

Job No. -G-22-145/G1-1

Reviewed by - JS



Site Report

STAND GOLF COURSE

92795

Issue: Final

Date: 30/05/22



SHIRE GEOTECHNICAL

THE CHAPEL

BARNSELY HALL ROAD

BROMSGROVE

WORCESTERSHIRE

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1.0

INTRODUCTION

1.1

Shire Geotechnical has been appointed by Beacon Comms to carry out a site investigation for a proposed telecommunication tower construction.

1.2

The investigation included a walk around survey of the site together with a Hand Augured Borehole to determine the depth of the underlying strata.

The strength of the soil was tested using a Dynamic Probe.

1.3

The purpose of the investigation is to highlight factors that need to be taken into account in the design of the tower base. If the constraints for the tower base design cannot be established during the initial investigation, then recommendations for further investigations are to be given.

1.4

The comments in this report are based on the observations made during the investigation. No warranty can be given that the ground conditions revealed are typical outside this location.

1.5

The site is located at Stand Golf Course, Ashbourne Grove, Manchester M45 7NL

The grid reference is E: 379289 N: 405887

The investigation was carried out on 23rd May 2022



2.0

DESKTOP STUDY

2.1

Geology

Drift Deposits: Glaciofluvial Deposits, Devensian - Sand and Gravel
Solid Deposits: Pennine Middle Coal Measures Formation - Mudstone, Siltstone and Sandstone

2.2

Coal Mining

The Coal Authority were contacted regarding any abandoned or live mine workings. There are no records of any mining in the area.

2.3

Statutory Authority Searches

Service	Authority	Comments
Gas	Cadent	N/A
Electric	Electricity Northwest	No mains shown in the vicinity of the site.
Water	United Utilities	N/A
Sewerage	United Utilities	N/A
BT	Openreach	N/A

3.0

SITE FINDINGS

The factors given below need to be taken into account when considering the foundations.

3.1

Services

Statutory Authority searches indicate no mains within the vicinity of the site.

3.2

Contamination

No visual evidence of contamination.

3.3

Mining

The site is not in a mining area.

3.4

Trees

There are trees within range of the site.

3.5

Ground Conditions and Bearing Pressure

The Borehole indicated 0.7m Made Ground over medium dense becoming dense slightly clayey sand and gravel to a depth of 1.0m. This is underlain by dense becoming very dense slightly clayey medium coarse gravelly sand to a maximum proven depth of 2.0m.

The Dynamic Probe test results indicate a ground bearing pressure of 150kN/m² can be achieved at a depth of 1.0m.

Groundwater was not encountered.

APPENDICES

Borehole Log
Dynamic Probe Results Sheet

SPT RESULTS							SOIL	DESCRIPTION
SOIL SAMPLES/TEST		SPT VALUE	FIELD RECORDS	WELL	SHEAR VANE kN/m ²	DEPTH (m)	SOIL REF	
DEPTH(m)	TYPE							
						0.7	A	MADE GROUND: Dense becoming medium dense brown sandy FILL with ash, brick, concrete, and sandstone fragments.
						1.0	B	Medium dense becoming dense light brown slightly clayey SAND and GRAVEL with black mineral flecks.
						2.0	C	Dense becoming very dense light brown slightly clayey medium coarse gravelly SAND.
						3.0		
						4.0		
						5.0		
						6.0		
Remarks: 1. Borehole carried out by Competitor 130 Window Sample Rig 2. 3. 4. 5.							Key:  - Water Strike D - Disturbed Sample B - Bulk Sample C - Cone (SPT Test) S - Split Spoon (SPT Test)	

92795

BEACON COMMS

Date
23/05/22Site Engineer
MH/JSJob No
G-22-145Drawn
JSChecked
RRDrawing No
HA1Issue
A

Address

**STAND GOLF COURSE
ASHBOURNE GROVE
MANCHESTER
M45 7NL**

Drawing Title

HAND AUGER No.1
Shiregeotechnical

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Dynamic Probe Test Results Sheet

Site: **STAND GOLF COURSE**
Job Number: **G-22-145**
Client: **BEACON COMMS**
Rig Type: **Pagani DPM 30**

DP No: **DP1**
Date: **23-May-22**
Test Type: **DPM**
Final Depth: **1.80**
Sheet 1 of 1

