

**CCTV REPORT FOR: 16 GREEN SPRING AVENUE
BIRDWELL
BARNSELEY
S70 5RW**

CONTENTS: SITE LAYOUT
FOUNDATION RECORD
PHOTOGRAPHS
LABORATORY TESTING RESULTS
ROOT IDENTIFICATION



Client: 360Globalnet
Regus House
Herald Way
Pegasus Business Park
Castle Donington
DE74 2TZ

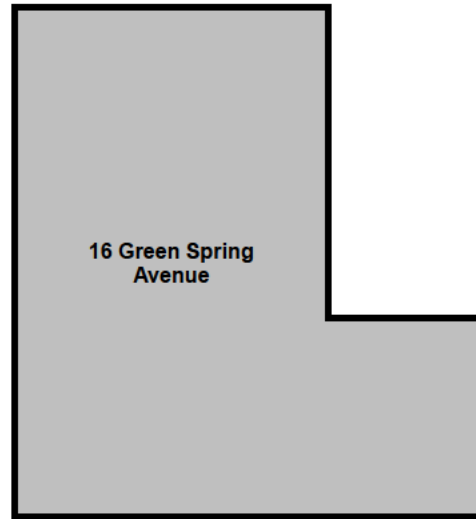
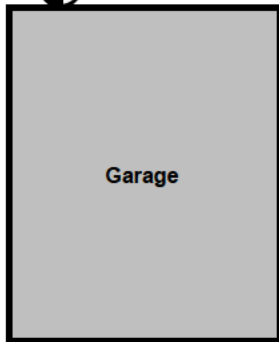
Insured: Mr R Flavell
Reference: LIV-SN-22-006594

Site Visit: 13-Apr-23
Report Date: 19-May-23

Site Crew: SD

Date: 13-Apr-23

T/H1

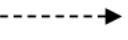
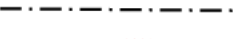


(This plan is not to be scaled and is provided to illustrate general layout only)

General Comments:

Note: Runs shown in red have been adopted by the local water authority.

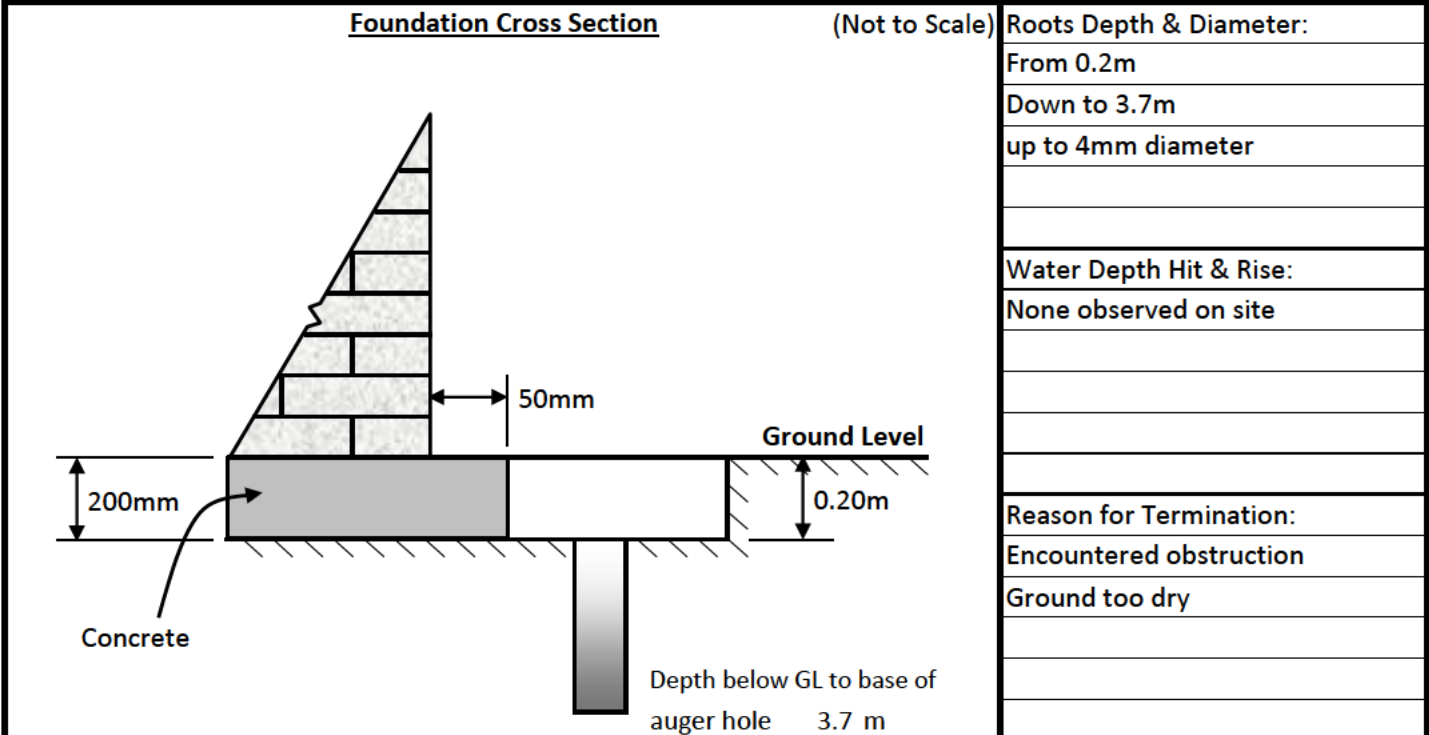
Key :

 = Storm Gully	 = Storm Pipe	 = Foul Gully	 = W/C or Soil Pipe	 = Inspection Chamber
 = Rodding Eye	 = Surveyed pipe indicating flow	 = Unsurveyed pipe		
 = Exploratory Hole (hand dug pit and/or hand auger)	 = Boundary line			
 = Hedges & Shrubs	 = Trees & bushes	 = Area of damage		

Address: **16 GREEN SPRING AVENUE, BIRDWELL, BARNSLEY, S70 5RW**

Drainage
 Repair Company
FOUNDATION RECORD

Location: Rear of garage	T/H No. 1
Ground Surface: Wet	Weather: Raining
Date: 13-Apr-23	

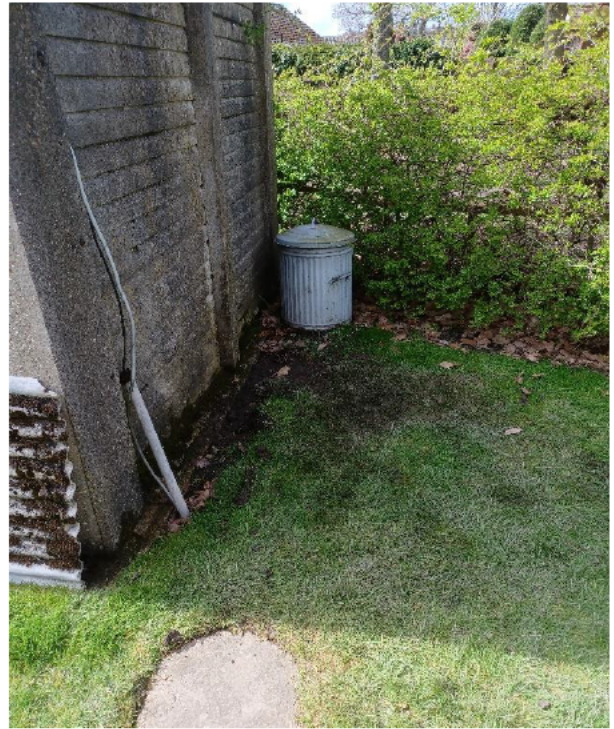


Depth (m)	Soil Descriptions <i>(NB: Field crew description only)</i>	Test Type	Depth (m)	
			From	To
G.L.				
0.20	Soft/firm light brown silty CLAY with rare medium gravel & roots	V(n) 75	0.200	
0.70	Soft/firm light brown/grey silty CLAY with rare medium gravel & roots	V(n) 80	0.700	
3.20	Firm/friable grey silty CLAY with rare roots	V(n) 91	1.200	
3.70	End of Borehole	V(n) 95	1.700	
		V(n) 98	2.200	
		V(n) 109	2.700	
		V(n) 118	3.200	
	Photograph			
				

General Comments :

Key: Mac=Macintosh Probe, V(n)=Natural Shear Vane, P.P. = Pocket Penetrometer

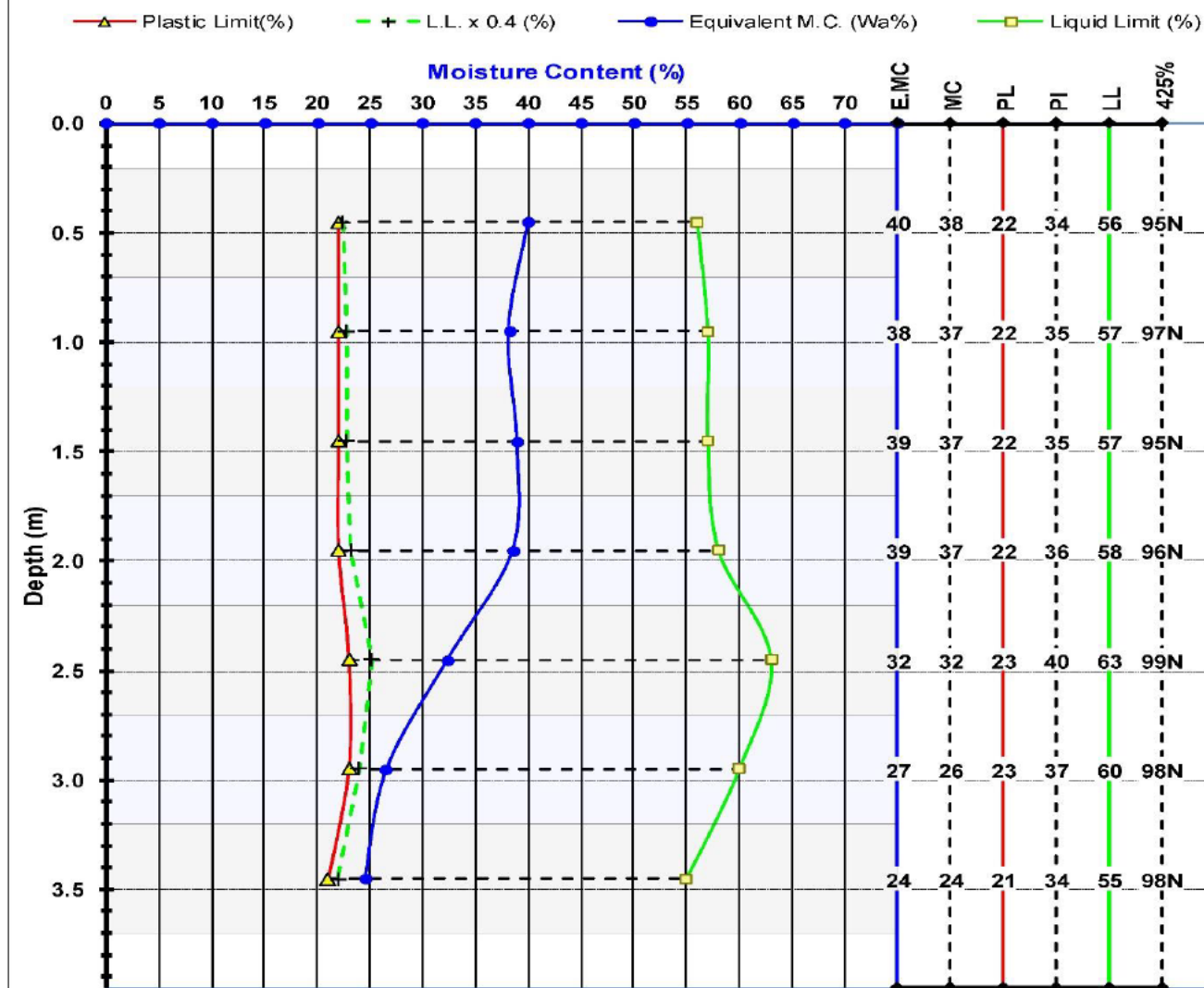
Address: 16 GREEN SPRING AVENUE, BIRDWELL, BARNSELY, S70 5RW





LABORATORY TESTING RESULTS

Depth T (m)	Depth B (m)	1 - Rear elevation of garage Brief Soil Description	Plasticity (BS 5930)	Volume Change M.PI (BRE 240)
0.2	0.7	Soft/firm light brown silty CLAY with rare medium gravel & roots	High CH	32% Medium
0.7	1.2	Soft/firm light brown/grey silty CLAY with rare medium gravel & roots	High CH	34% Medium
1.2	1.7	Soft/firm light brown/grey silty CLAY with rare medium gravel & roots	High CH	33% Medium
1.7	2.2	Soft/firm light brown/grey silty CLAY with rare medium gravel & roots	High CH	35% Medium
2.2	2.7	Soft/firm light brown/grey silty CLAY with rare medium gravel & roots	High CH	40% High
2.7	3.2	Soft/firm light brown/grey silty CLAY with rare medium gravel & roots	High CH	36% Medium
3.2	3.7	Firm/friable grey silty CLAY with rare roots	High CH	33% Medium



Values in () above are extrapolated

Opinions and interpretations expressed in the chart above are outside the scope of UKAS accreditation.

Key:

MC = Natural Moisture Content (%)

E.MC = Equivalent Moisture Content (%) = $MC \times 100 / 425\%$

M.PI = Modified Plasticity Index (%) = $PI \times 425\% / 100$

425% = Material passing the 425µm sieve (%) + (N = Natural or S = Sieved)

Notes: All samples received as Disturbed unless noted below in the comments.

Samples prepared in accordance to BS1377:Part 1:1990 Section 7 & described in general accordance with BS5930:1999.

Samples tested in accordance to BS1377:Part 2:1990 Section 3.2, 4.4 & 5.

Comments:

PL = Plastic Limit (%)

PI = Plasticity Index (%) = $LL - PL$

LL = Liquid Limit (%)

LL x 0.4 = 40% of the LL (%)

NP = Non Plastic



Root identification
Vegetation surveys
Tree/Building investigations
Plant taxonomy

Richardson's Botanical Identifications

The Drainage Repair Company
Suite 15, Leatherline House
71 Narrow Lane
AYLESTONE
Leicester LE2 8NA

19/05/2023

Dr Ian B K Richardson
BSc, MSc, PhD, MRSB, FLS
James Richardson
BSc (Hons. Biology)

Enterprise House
49-51 Whiteknights Road
Reading
RG6 7BB

Tel: (0118) 986 9552 (Direct line)
E-mail: richardsons@botanical.net
Web: www.botanical.net

Your ref: **Root ID**

Our ref: **86/6106**

Dear Sirs

16 Green Spring Avenue S70 5RW

The samples you sent in relation to the above on 17/04/2023 have been examined. Their structures were referable as follows:

TP/BH1, 0.2-3.7m		
6 no.	Examined root: QUERCUS (Oak).	Alive, recently*.
5 no.	Examined root: the family Rosaceae, subfamily POMOIDEAE (a group of closely related trees: Malus (Apple), Pyrus (Pear), Crataegus (Hawthorn), Sorbus (Rowan, Whitebeam, Service tree), Mespilus (Medlar), and some shrubs (Pyracantha (Firethorn), Chaenomeles (Japonica), Cydonia (Quince), Amelanchier, Cotoneaster)).	Alive, recently*.
2 no.	Examined root: FRAXINUS (Ash).	Alive, recently*.
1 no.	Examined sample: a section of TWIG only, not a root. Could also be FRAXINUS (Ash).	
4 no.	All pieces of BARK only - not enough material for identification.	
18 no.	Unfortunately all with insufficient cells for identification.	

Click here for more information: [FRAXINUS](#) [POMOIDEAE](#) [QUERCUS](#)

I trust this is of help. Please call us if you have any queries; our Invoice is enclosed.

Yours faithfully,



Dr Ian B K Richardson

* Based mainly on the Iodine test for starch. Starch is present in some cells of a living woody root, but is more or less rapidly broken down by soil micro-organisms on death of the root, sometimes before decay is evident. This result need not reflect the state of the parent tree.

** Try out our web site on www.botanical.net **

Identified with no information on vegetation, on or off site.

Report commissioned by



Address: 16 GREEN SPRING AVENUE, BIRDWELL, BARNSELY, S70 5RW