

**CCTV REPORT FOR: 4 MILL DRIVE
FORTON HEATH
MONTFORD BRIDGE
SY4 1HP**

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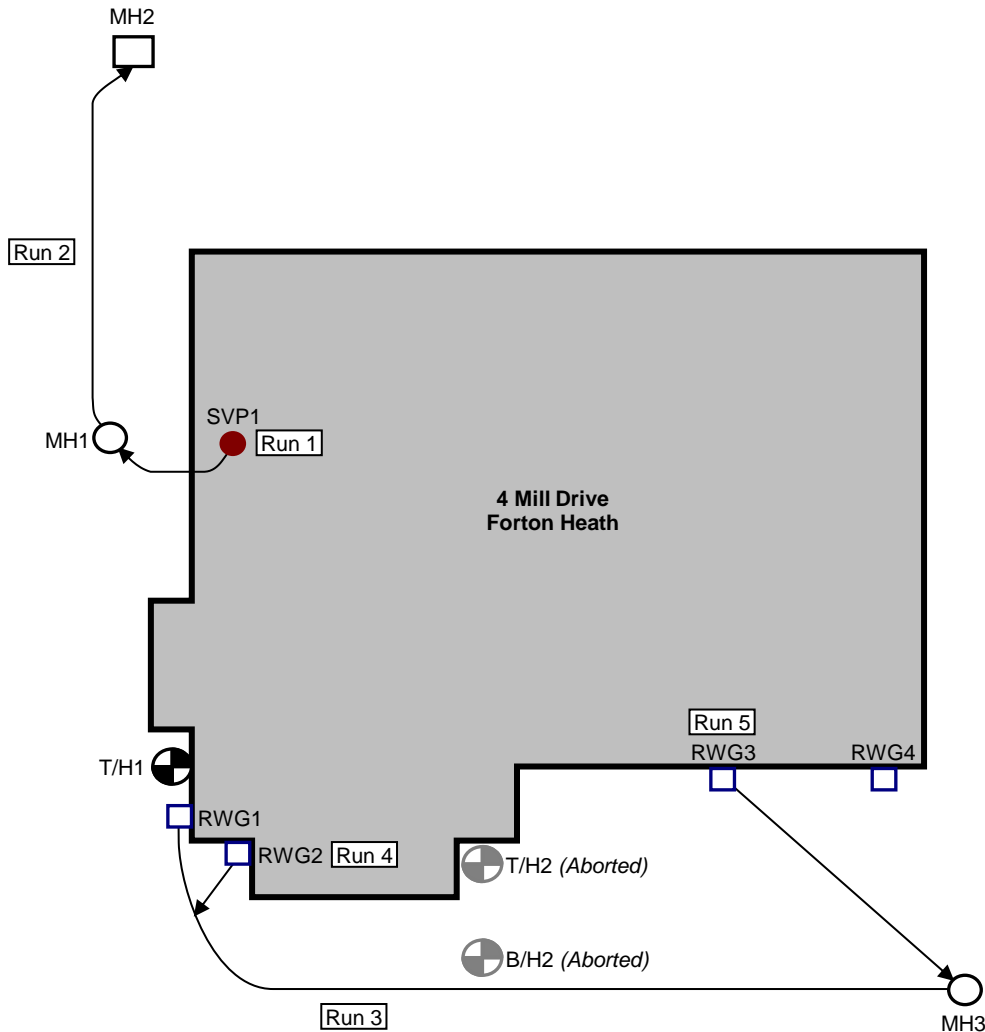
Client: 360GlobalNet
Regus House
Herald Way
Pegasus Business Park
Castle Donington
DE74 2TZ

Insured: Mr K and Mrs L Selman
Reference: 084474139

Site Visit: 22-Dec-22
Report Date: 27-Mar-23

Site Crew: SD

Date: 22-Dec-22



(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: 4 MILL DRIVE, FORTON HEATH, MONTFORD BRIDGE, SY4 1HP



Drainage
Repair Company
CCTV SURVEY DETAILS

Site Crew: SD Date: 22-Dec-22

RUN: 1 Pipe Dia. (mm): 100 System: Foul Water Made of: Plastic
From: MH1 Inv (m): 0.65 Upstream **To:** SVP1 Inv (m): -

Metres	Faults / Defects	Remarks
0.00		At MH1
0.04		Pipe bends left
0.87		Debris (Grease/Fat) 20%
1.10		Pipe bends left
1.33		Pipe bends up
1.86	No Visible Defects	At SVP1
		End of survey

RUN: 2 Pipe Dia. (mm): 100 System: Foul Water Made of: Plastic
From: MH1 Inv (m): 0.65 Downstream **To:** MH2 Inv (m): -

Metres	Faults / Defects	Remarks
0.00		At MH1
0.15		Pipe bends right
0.95		Water Level 10%
1.60		Water Level 20%
1.98		Debris (Grease/Fat) 20%
4.18		Water Level 20%
4.29		Pipe bends right
4.60	No Visible Defects	At MH2
		End of survey

RUN: 3 Pipe Dia. (mm): 100 System: Storm Water Made of: Plastic
From: RWG1 Inv (m): 0.20 Downstream **To:** MH3 Inv (m): -

Metres	Faults / Defects	Remarks
0.00		At RWG1
0.11		Pipe bends down + left
0.27		Pipe bends down
0.45		Pipe bends left
0.84		Inlet at 10 o'clock to RWG2
2.39		Pipe bends left
5.66		Water Level 5%
10.49		Pipe bends left
11.06	No Visible Defects	At MH3
		End of survey

*Defects shown in **RED** relate to runs adopted by the Local Water Authority*

Address: 4 MILL DRIVE, FORTON HEATH, MONTFORD BRIDGE, SY4 1HP



Drainage
Repair Company
CCTV SURVEY DETAILS

Site Crew: SD Date: 22-Dec-22

RUN: 4 **Pipe Dia. (mm):** 100 **System:** Storm Water **Made of:** Plastic
From: RWG2 **Inv (m):** 0.20 Downstream **To:** Run 3 **Inv (m):** -

Metres	Faults / Defects	Remarks
0.00		At RWG2
0.30		Pipe bends down
0.57		At junction to Run 3
0.95	No Visible Defects	Into Run 3
		End of survey

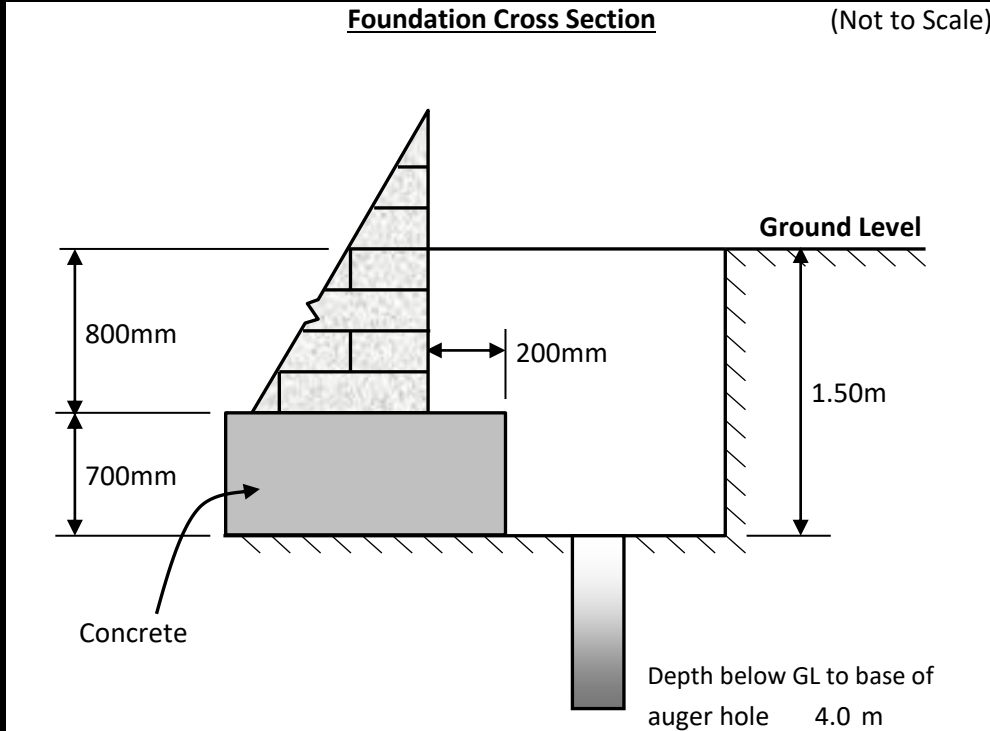
RUN: 5 **Pipe Dia. (mm):** 100 **System:** Storm Water **Made of:** Plastic
From: RWG3 **Inv (m):** 0.20 Downstream **To:** MH3 **Inv (m):** -

Metres	Faults / Defects	Remarks
0.00		At RWG3
0.15		Pipe bends right
3.57		Pipe bends left
3.80	No Visible Defects	At MH3
		End of survey

*Defects shown in **RED** relate to runs adopted by the Local Water Authority*

Address: 4 MILL DRIVE, FORTON HEATH, MONTFORD BRIDGE, SY4 1HP

Location: **Front Left Corner** T/H No. **1**
 Ground Surface: **Damp** Weather: **Dry** Date: **22-Dec-22**

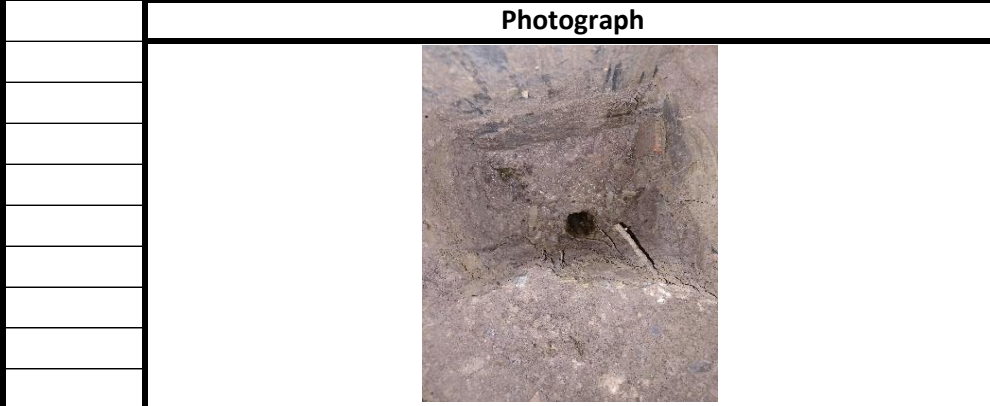


Roots Depth & Diameter:
 From 1.5m
 Down to 2.5m
 up to 2mm diameter

Water Depth Hit & Rise:
 Hit at 1.5m

Reason for Termination :
 Hole at instructed depth

Depth (m)	Soil Descriptions <i>(NB: Field crew description only)</i>	Test Type	Depth (m)	
			From	To
G.L.				
1.50	Soft/firm dark brown/brown CLAY with rare medium gravel & roots	V(n) 70	1.500	
2.00	Soft firm brown CLAY with rare medium gravel & roots	V(n) 80	2.000	
2.50	Soft/firm light grey/brown CLAY with rare medium gravel & roots	V(n) 91	2.500	
3.50	Soft/firm light grey/brown CLAY with rare medium gravel	V(n) 97	3.000	
4.00	End of Borehole	V(n) 105	3.500	



General Comments :

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

Address: **4 MILL DRIVE, FORTON HEATH, MONTFORD BRIDGE, SY4 1HP**

EXECUTIVE SUMMARY

Brief:	The Drainage Repair Company Ltd were commissioned to undertake a CCTV survey / inspection of the drainage at the property.
Specific Area of Interest:	Accessible drainage at the front and left of the property.
System Access:	Inspection chamber to left of property, RWG1, RWG2 and RWG4.
Visual Survey:	N/A
Water Pressure Test:	Pass - no leak detected on water supply.

SUMMARY OF FINDINGS

Defects requiring repair:	No
Is any damaged section shared:	N/A
No. of properties sharing:	N/A
Age of property / system:	Drainage is modern uPVC
Cause of damage:	N/A

GENERAL SUMMARY

The results of the CCTV / inspection survey to the underground drainage system at the above address are as follows:

Run 1 - Foul - Private:

No visible pipework defects.

Run 2 - Foul - Private:

No visible pipework defects.

Run 3 - Storm - Private:

No visible pipework defects.

Hydraulic Test: Pass - no loss of water observed.

Run 4 - Storm - Private:

No visible pipework defects.

Hydraulic Test: Pass - no loss of water observed.

Run 5 - Storm - Private:

No visible pipework defects.

Hydraulic Test: Pass - no loss of water observed.

RWG4:

No survey access through gully, however this is located away from area of damage.

T/H2:

On excavating T/H2 we encountered large breeze block fragments as well as ground water and the hole had to be abandoned. We stepped back and attempted a borehole in the front lawn area, however the ground conditions were the same and this also had to be abandoned.

Should a trial pit still be desired in this area then this will require a full day on site due to the ground conditions encountered as well as the possible depth of the footings as indicated in T/H1.

RECOMMENDATIONS

The surveyed pipework is in good condition with no observed defects.

No recommendations are required.



T/H1



T/H1



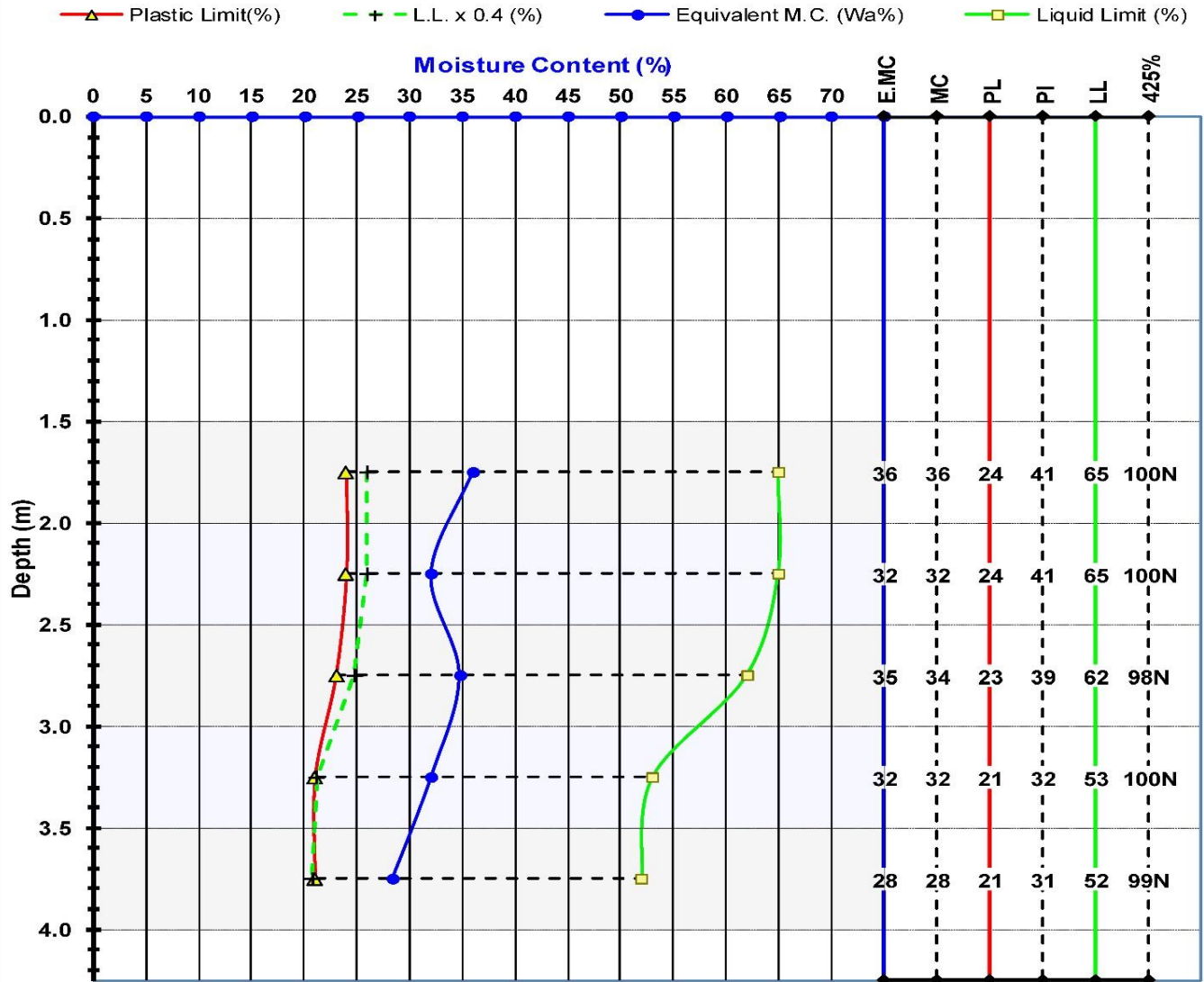
T/H2



T/H2

LABORATORY TESTING RESULTS

Depth T (m)	Depth B (m)	1 - LH elevation (below cracking)	Plasticity (BS 5930)	Volume Change (BRE 240)	
		Brief Soil Description		M.PI	(%)
1.5	2	Soft/firm dark brown/brown CLAY with rare medium gravel & roots	High CH	41%	High
2	2.5	Soft firm brown CLAY with rare medium gravel & roots	High CH	41%	High
2.5	3	Soft/firm light grey/brown CLAY with rare medium gravel & roots	High CH	38%	Medium
3	3.5	Soft/firm light grey/brown CLAY with rare medium gravel & roots	High CH	32%	Medium
3.5	4	Soft/firm light grey/brown CLAY with rare medium gravel	High CH	31%	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.

PL = Plastic Limit (%)
PI = Plasticity Index (%) = $LL - PL$
LL = Liquid Limit (%)
LL x 0.4 = 40% of the LL (%)
NP = Non Plastic

Comments:



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

21/01/2023

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: **85/2611**

Dear Sirs

4 Mill Drive, Forton Heath SY4 1HP

The samples you sent in relation to the above on 23/12/2022 have been examined. Their structures were referable as follows:

TP1, 1.5-2.0m		
3 no.	Examined root: QUERCUS (Oak).	Alive, recently* .
TP1, 2.0-2.5m		
4 no.	Examined root: QUERCUS (Oak).	Alive, recently* .
3 no.	Unfortunately all with insufficient cells for identification.	

Click here for more information: [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.

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We were commissioned to carry out an inspection of the accessible areas of the drainage to the property, identifying any major defects and recommending any repair works that may be necessary. It should be appreciated that the exact layout of the system cannot be confirmed without the exposure of inaccessible branches and connections etc.

The lack of any significant defects within the main drainage line should not be regarded as a guarantee of water tightness. Defects may be encountered upon exposure of inaccessible branches and gullies etc.

The contents of this report are strictly confined to comments concerning those terms outlined above. It is not a structural survey and must not be construed as such.

The views expressed in this report are based entirely upon a visual examination of the drainage, supported by information obtained from a CCTV inspection / water pressure test.