

**CCTV REPORT FOR: 7 ROGERS RUFF
NORTHWOOD
MIDDLESEX
HA6 2FD**

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

Insured: Mrs B. M. Whitehead
Reference: Your Ref: DLG-SN-19-001049 Ins Ref: 067361337

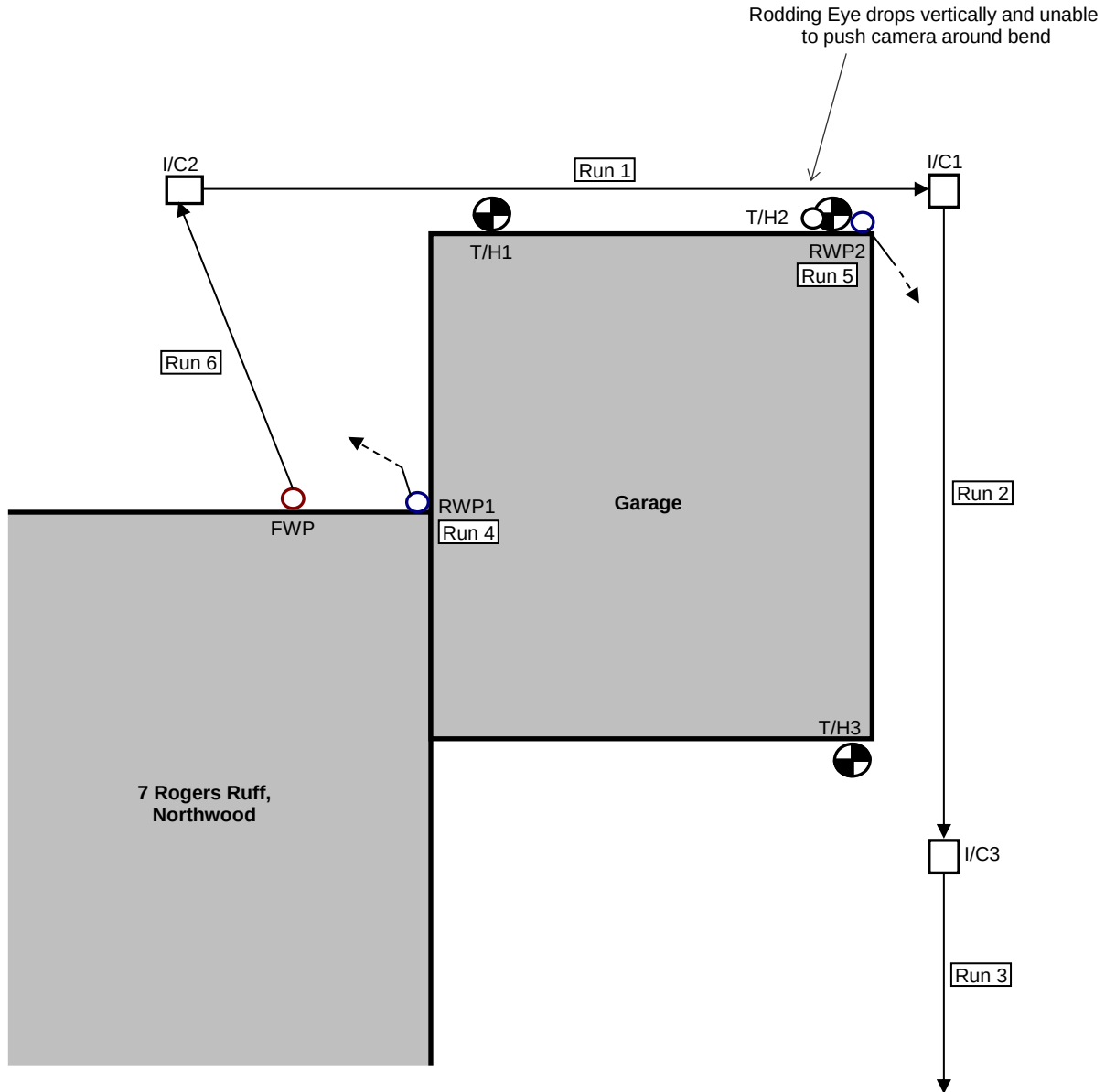
Site Visit: 14-Oct-19
Report Date: 21-Nov-19

Drainage
 Repair Company
SITE AND DRAINAGE LAYOUT

Site Crew: DJ

Date: 14-Oct-19

REAR



(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
 [Green wavy line] = Hedges & Shrubs [Green circle] = Trees & bushes [Red dotted oval] = Area of damage

Address: **7 ROGERS RUFF, NORTHWOOD, MIDDLESEX, HA6 2FD**

Drainage
Repair Company
CCTV SURVEY DETAILS

Site Crew: DJ Date: 14-Oct-19

RUN: 1 Pipe Dia. (mm): 100 System: Foul Water Made of: Pitch Fibre
From: I/C1 Inv (m): 1.50 Upstream To: I/C2 Inv (m): n/a

Metres	Faults / Defects	Remarks
0.2 - 3.5	Deformed Pipe 10%	
4.5 - 10.0	Deformed Pipe 5%	
10.00		Into I/C2
		End of survey

RUN: 2 Pipe Dia. (mm): 100 System: Foul Water Made of: Pitch Fibre
From: I/C1 Inv (m): 1.50 Downstream To: I/C3 Inv (m): 1.90

Metres	Faults / Defects	Remarks
0.1 - 6.0	Deformed Pipe 5 - 10%	
7.50		At I/C3
		End of survey

RUN: 3 Pipe Dia. (mm): 100 System: Foul Water Made of: Pitch Fibre
From: I/C3 Inv (m): 1.90 Downstream To: Boundary Inv (m): n/a

Metres	Faults / Defects	Remarks
5.00	No Visible Defects	At Boundary
		End of survey

RUN: 4 Pipe Dia. (mm): 100 System: Storm Water Made of: Glazed Clay
From: RWP1 Inv (m): n/a Downstream To: Unknown Inv (m): n/a

Metres	Faults / Defects	Remarks
0.40	Large Displaced Joint	Pipe bends left
		Unable to proceed
		End of survey

RUN: 5 Pipe Dia. (mm): 100 System: Storm Water Made of: Plastic
From: RWP2 Inv (m): n/a Downstream To: Unknown Inv (m): n/a

Metres	Faults / Defects	Remarks
0.35		Material changes to plastic
0.70	Debris (Silt) 100%	
	Root Ingress 50%	Unable to proceed
		End of survey

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

Address: **7 ROGERS RUFF, NORTHWOOD, MIDDLESEX, HA6 2FD**

Site Crew: DJ Date: 14-Oct-19

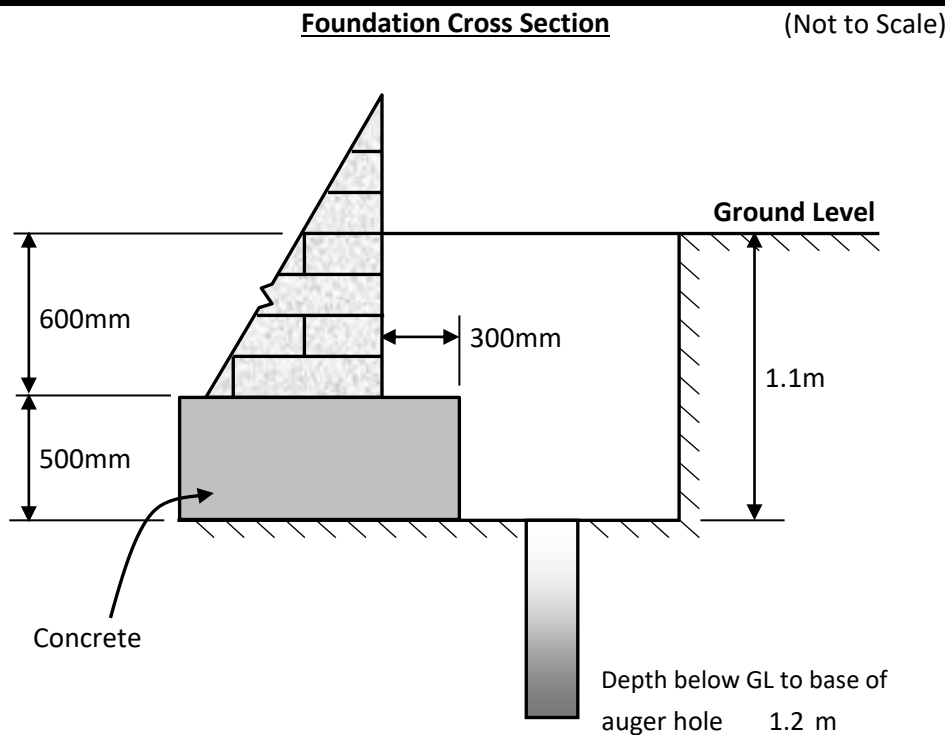
RUN: 6 Pipe Dia. (mm): 100 System: Foul Water Made of: Glazed Clay
From: FWP Inv (m): n/a Downstream To: I/C2 Inv (m): n/a

Metres	Faults / Defects	Remarks
3.20		Pipe bends down
3.90	No Visible Defects	At I/C2
		End of survey

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

Address: **7 ROGERS RUFF, NORTHWOOD, MIDDLESEX, HA6 2FD**

Location: Front Right Hand Corner of Garage		T/H No. 3
Ground Surface: Wet	Weather: Raining	Date: 14-Oct-19



Roots Depth & Diameter:
Down to 1.2m
up to 3mm diameter
Water Depth Hit & Rise:
None observed on site
Reason for Termination :
Hole at instructed depth

[illegible]

General Comments :
Trial pit only
Key: Mac=Macintosh Probe, V(n)=Natural Shear Vane, P.P. = Pocket Penetrometer
Address: 7 ROGERS RUFF, NORTHWOOD, MIDDLESEX, HA6 2FD

1.0 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 property.
System Access:	Drainage around the garage.
Visual Survey:	The rodding eye drops vertically and we were unable to negotiate the bend at the base of the vertical pipe.
Water Pressure Test:	No

2.0 SUMMARY OF FINDINGS

Defects requiring repair:	Yes
Is any damaged section shared:	No
No. of properties sharing:	N/A
Age of property / system:	Unknown
Cause of damage:	N/A

3.0 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:

Deformation of between 5% and 10% to pitch fibre pipework.

Run 2 - Foul - Private:

Deformation of between 5% and 10% to pitch fibre pipework.

Run 3 - Foul - Private:

No visible pipework defects.

Run 4 - Storm - Private:

Survey abandoned due to large displaced joint.

Run 5 - Storm - Private:

Survey abandoned due to roots and debris.

Run 6 - Foul - Private:

No visible pipework defects.

4.0 RECOMMENDATIONS

We would recommend returning the system to a watertight condition by repairing the defects as follows:

Run 1 & Run 2:

The WRc Drain Repair Book considers pitch fibre pipework with deformation of less than 20% to be serviceable.

As no other issues were reported to these runs no recommendations are required.

Run 4:

Excavate and replace rest bend to RWP1 allowing for up to 1.0m of pipework downstream. Then carry out a further CCTV survey downstream and report findings.

Run 5:

Excavate and replace rest bend to RWP2 allowing for up to 2.0m of pipework downstream. Then carry out a further CCTV survey downstream and report findings.

5.0 QUOTATION

Run 4:

- Excavate and replace rest bend to RWP1
- Excavate and replace up to 1.0m of pipework downstream
- Carry out a further CCTV survey downstream and report findings
- Backfill excavation
- Reinststate surface
- Remove excavated spoil from site

Run 5:

- Excavate and replace rest bend to RWP2
- Excavate and replace up to 2.0m of pipework downstream
- Carry out a further CCTV survey downstream and report findings
- Backfill excavation
- Reinststate surface
- Remove excavated spoil from site



I/C3



I/C1



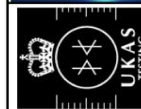
RWP2



(BS1377 : PART 2 : 1990)

**** : Liquid Limit and Plastic Limit Wet Sieved.**

SYMBOLS: NP : Non Plastic



TSR

Professional Soils Laboratory

4043

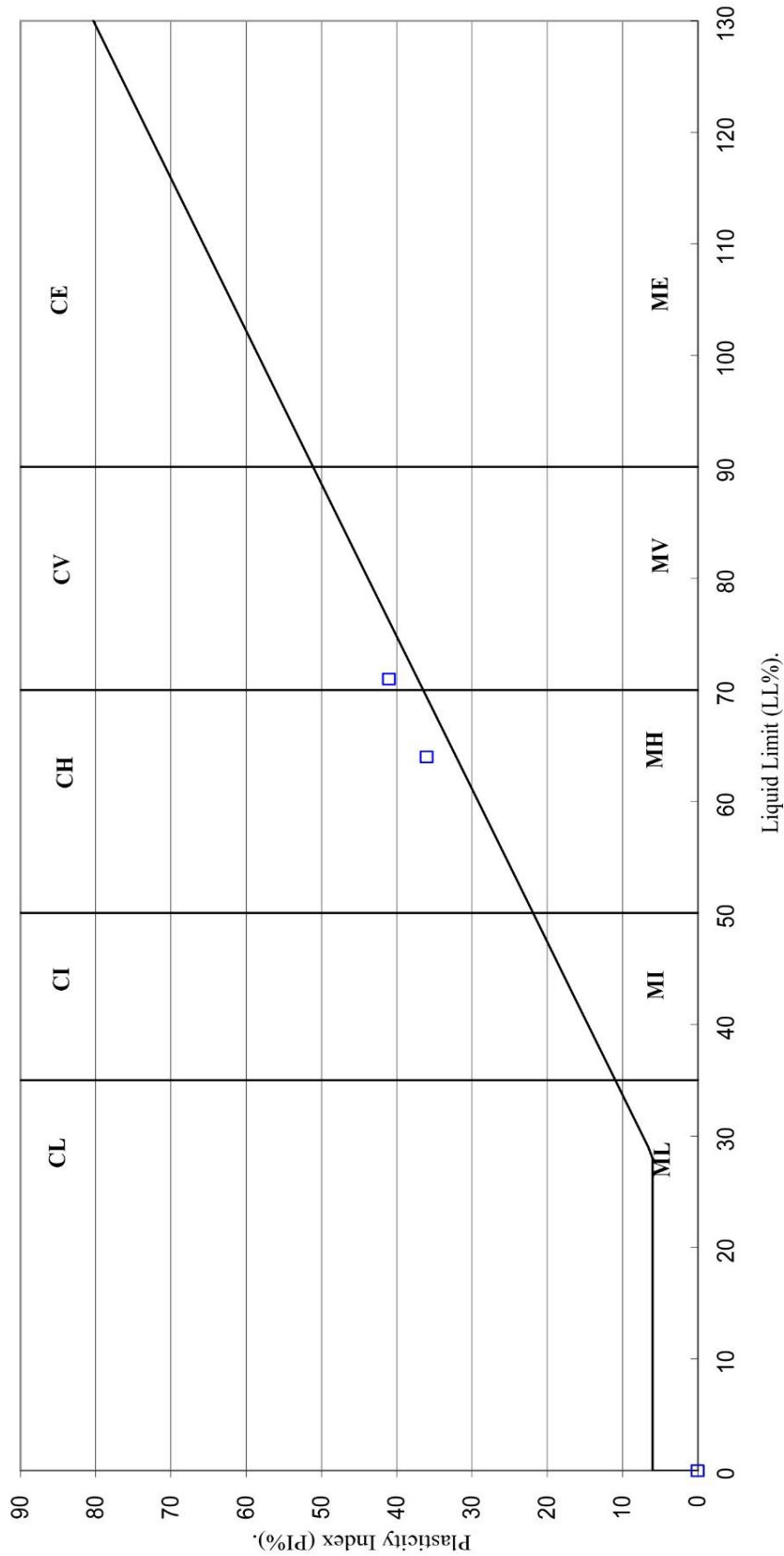
Contract No:

PSL19/6558

Client Ref:

7 Rogers Ruff, Northwood, Middlesex, HA6 2FD

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



 PSL Professional Soils Laboratory	Contract No:
	PSL19/6558
	Client Ref:
7 Rogers Ruff, Northwood, Middlesex, HA6 2FD	



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

04/11/2019

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: 78/8801

Dear Lisa

7 Rogers Ruff

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

TP1, 1.1-2.2m	
11 no.	Examined root: CARPINUS (Hornbeam).
TP2, 1.1-2.5m	
10 no.	Examined root: CARPINUS (Hornbeam).
1 no.	Microscopic examination showed insufficient cells for recognition.
TP3, u/s	
2 no.	Examined root: similar in many ways to ILEX (Holly).
2 no.	Examined root: most referable to PRUNUS species (Cherries, Plums and Damsons, Almonds, Peaches and Apricots, Blackthorn/Sloe, as well as the shrubby Cherry-laurel and Portugal-laurel).

Click here for more information: [CARPINUS](#) [ILEX](#) [PRUNUS](#)

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

Yours sincerely

Dr Ian B K Richardson

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

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.