CCTV REPORT FOR: 28 DAMASK GARDENS
WATERLOOVILLE
PO7 8QZ

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

Insured: Mrs. Hayley Psaila
Reference: LIV-SN-23-006703 Ins Ref: 800-16-008022

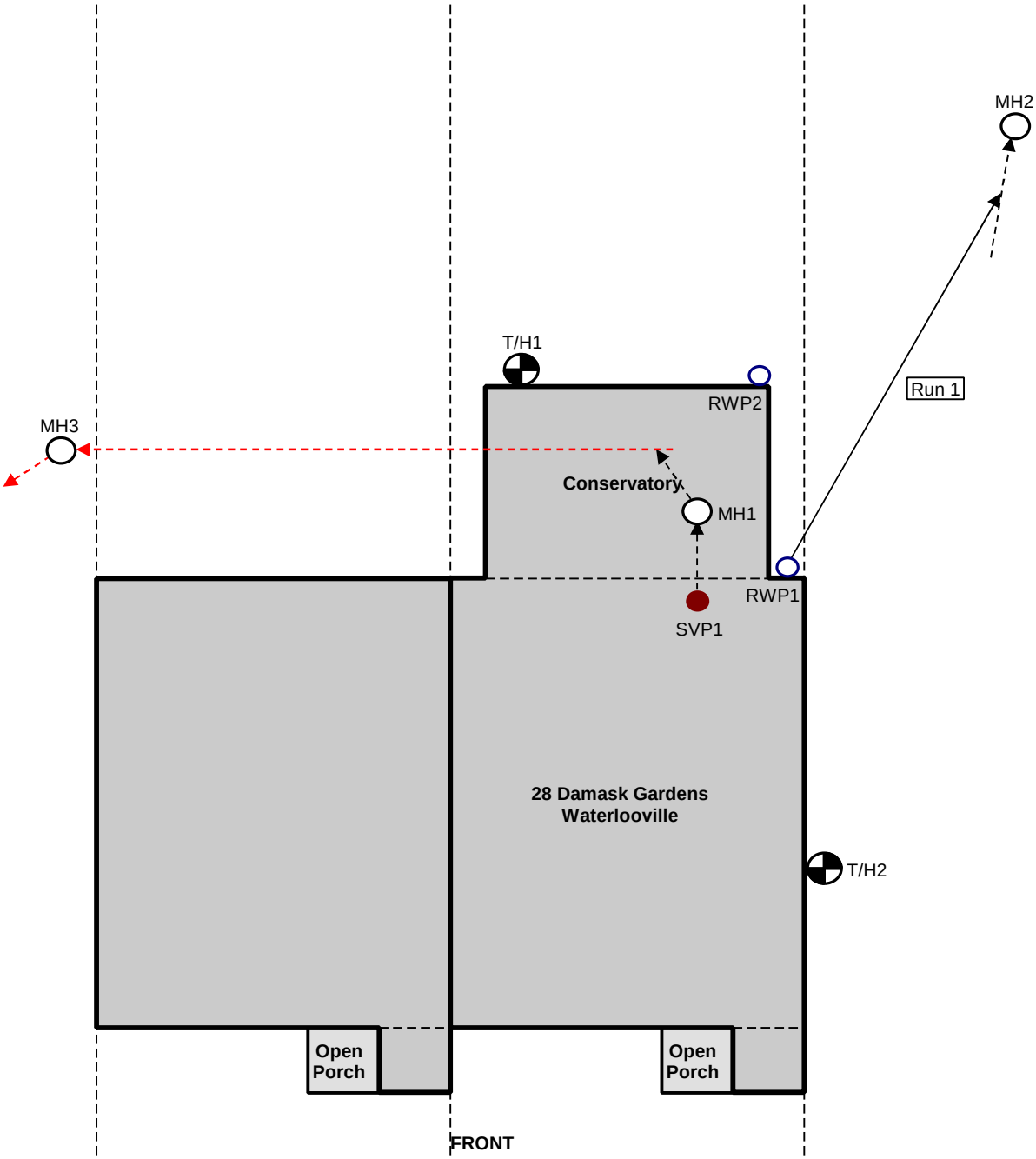
1st Site Visit: 25-May-23
1st Report Date: 28-Jun-23

2nd Site Visit: 21-Aug-23
2nd Report Date: 31-Aug-23

Drainage Repair Company

SITE LAYOUT

Site Crew: AJE	Date: 21-Aug-23



(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: 28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ

Drainage Repair Company

CCTV SURVEY DETAILS

Site Crew:	AJE			Date:	21-Aug-23
RUN: 1	Pipe Dia. (mm): 100	System: Storm Water		Made of:	Plastic
From:	RWP1	Inv (m): -	Downstream	To: MH2	Inv (m): -

Metres	Faults / Defects	Remarks
0.00		At RWP1
7.30	No Visible Defects	At connection to unknown run
		Past area of concern
		End of survey

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

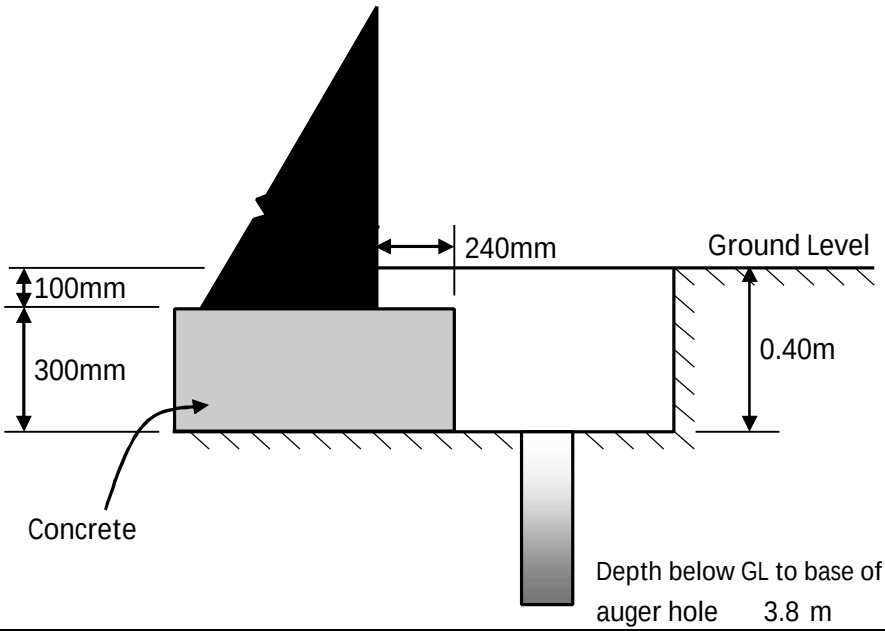
Address: 28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ

Drainage Repair Company

FOUNDATION RECORD

Location: Rear Left Corner of Conservatory		T/H No. 1
Ground Surface: Dry	Weather: Dry	Date: 25-May-23

Foundation Cross Section (Not to Scale)



Roots Depth & Diameter:
From 0.4m
Down to 3.4m
up to 10mm diameter

Water Depth Hit & Rise:
None observed on site

Reason for Termination:
Encountered obstruction
Stone / rock

Depth (m)	Soil Descriptions (NB: Field crew description only)	Test Type		Depth (m) From	Depth (m) To
G.L.					
0.40	Soft/firm brown CLAY with rare medium gravel (inc. brick) & roots	V(n)	34	0.400	
1.00	Soft/firm brown CLAY with rare medium gravel & roots	V(n)	52	0.500	
1.50	Soft/firm light grey/brown CLAY with rare medium gravel & rootlets	V(n)	70	1.000	
2.00	Firm/stiff grey/brown CLAY with rare medium gravel & rootlets	V(n)	88	1.500	
3.00	Firm/stiff grey/brown CLAY with rare medium gravel	V(n)	126	2.000	
3.80	End of Borehole	V(n)	140+	2.500	
		V(n)	140+	3.000	
	Photograph	V(n)	140+	3.500	

General Comments :

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

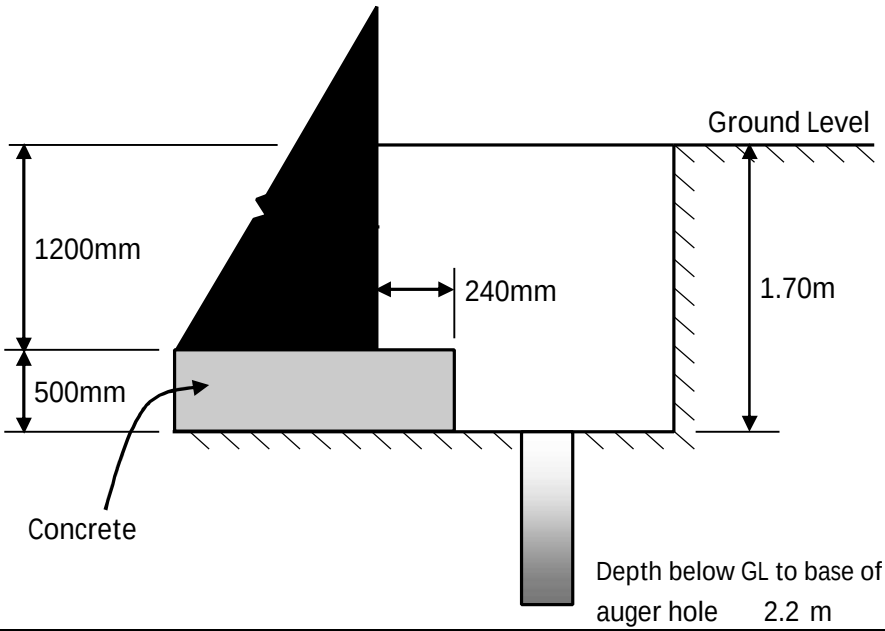
Address: 28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ

Drainage Repair Company

FOUNDATION RECORD

Location: Right Hand Side of House		T/H No. 2
Ground Surface: Dry	Weather: Dry	Date: 25-May-23

Foundation Cross Section (Not to Scale)



Roots Depth & Diameter:
None observed on site

Water Depth Hit & Rise:
Hit at 0.6m

Reason for Termination:
Suction

Depth (m)	Soil Descriptions (NB: Field crew description only)	Test Type	Depth (m) From	Depth (m) To
G.L.				
1.70	Soft brown CLAY with rare medium gravel			
2.20	End of Borehole			

Photograph

General Comments :
Difficult sample recovery due to suction pulling soils from auger.

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

Address: 28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ

Drainage Repair Company

INVESTIGATION SUMMARY

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 rear of the property.
System Access:	Inspection chamber in conservatory, RWP1.
Visual Survey:	N/A
Water Pressure Test:	Pass - no leak on water supply detected during acoustic testing.

SUMMARY OF FINDINGS

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

Drainage Repair Company

INVESTIGATION SUMMARY

GENERAL SUMMARY

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

Run 1 - Storm - Private:
Pipework runs from RWP1 downstream off the property boundary and connects to an unknown run and 7.3m before running into a chamber (MH2) set into the tarmac parking area.

No visible pipework defects.

RWP2:
The down pipe is located at the rear right corner of the conservatory. It serves the conservatory only and discharges onto the ground against the boundary fence.

MH1:
We carried out high pressure water jetting from MH1 to attempt to clear the build up of grease/fat prior to carrying out a CCTV survey. We jetted the pipework upstream and downstream but we were not able to clear the debris from the pipework.

Tracing the pipework downstream we located a chamber (MH3) set in the grass verge to the left of the neighbouring property. When we lifted the cover to this we found that this was also holding water backing up from pipework further downstream. We attempted to jet from the chamber but were still not able to clear the debris and water.

Unfortunately the high levels of water and debris in the shared pipework prevented a CCTV survey.

RECOMMENDATIONS

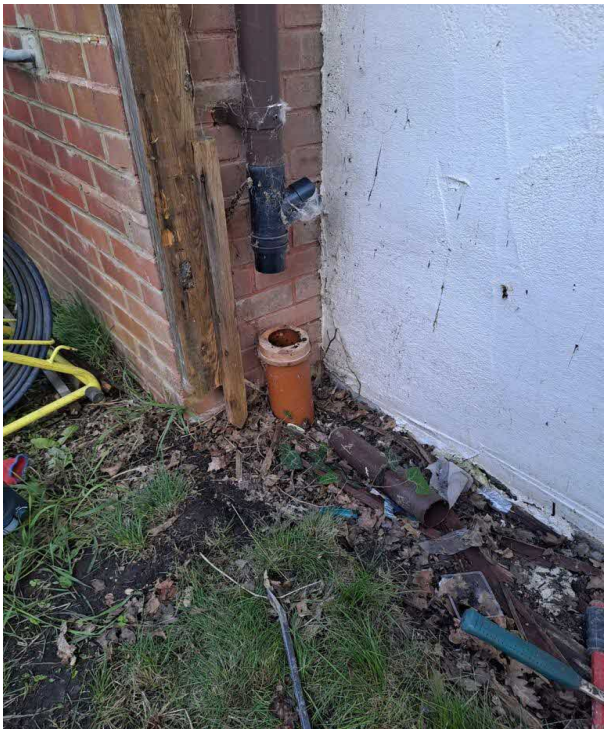
We would recommend returning the system to a watertight condition by repairing the defects as follows:

Run 1:
No recommendations are required.

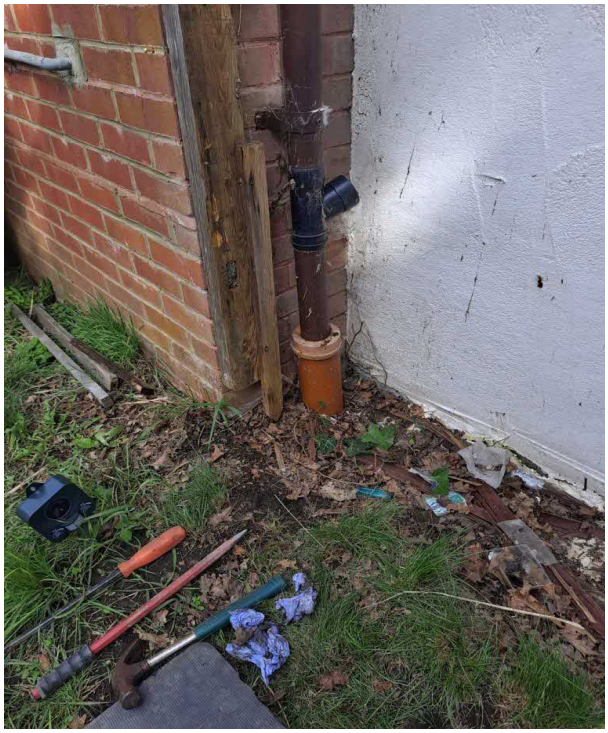
MH3 / Shared Pipework:
There are high levels of debris and standing water in the shared pipework serving MH3. As this pipework is believed to be the responsibility of the local water authority we recommend that they are contacted so that they may clear the blockages from the pipework.

Drainage Repair Company

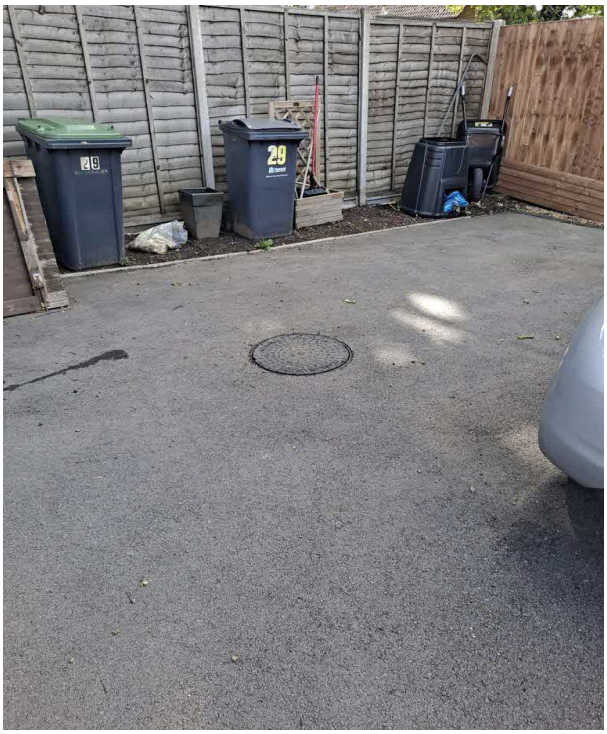
PHOTOGRAPHS



RWP1 access



RWP1 reinstated



MH2 in tarmac parking area

MH2 in tarmac parking area

Address: 28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ

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PHOTOGRAPHS

MH3 in grass verge

MH3 in grass verge

MH3 blocked downstream

MH3

Address: 28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ

Drainage Repair Company

PHOTOGRAPHS

MH1 jetting in progress

MH1 unable to clear

T/H1

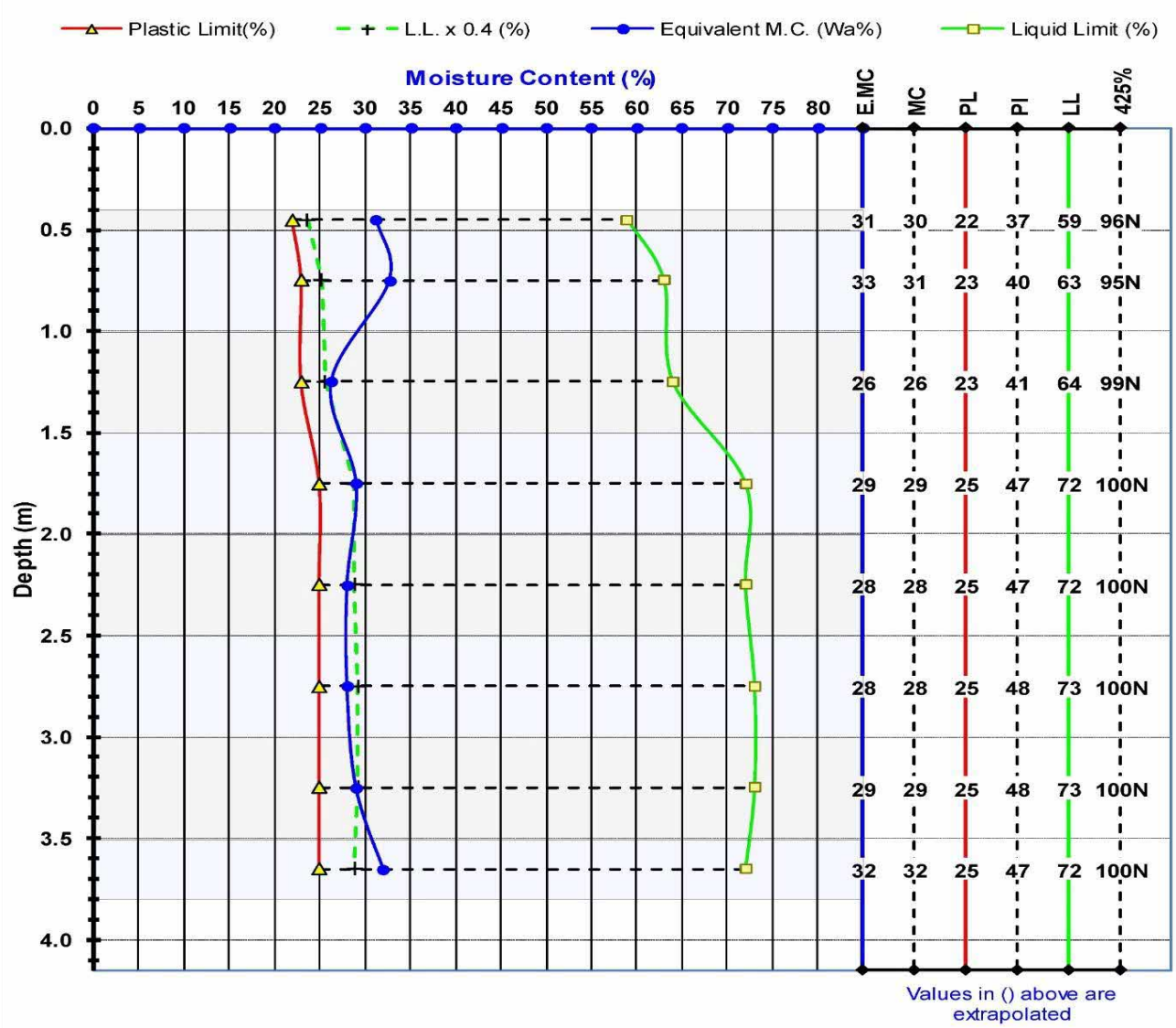
T/H2

Address: 28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ

Drainage Repair Company

LABORATORY TESTING RESULTS

Depth T (m)	Depth B (m)	1 - Rear LHC of conservatory Brief Soil Description	Plasticity (BS 5930)	Volume Change M.PI	Volume Change (BRE 240)
0.4	0.5	Soft/firm brown CLAY with rare medium gravel (inc. brick) & roots	High CH	36%	Medium
0.5	1	Soft/firm brown CLAY with rare medium gravel & roots	High CH	38%	Medium
1	1.5	Soft/firm light grey/brown CLAY with rare medium gravel & rootlets	High CH	41%	High
1.5	2	Firm/stiff grey/brown CLAY with rare medium gravel & rootlets	V. high CV	47%	High
2	2.5	Firm/stiff grey/brown CLAY with rare medium gravel & rootlets	V. high CV	47%	High
2.5	3	Firm/stiff grey/brown CLAY with rare medium gravel & rootlets	V. high CV	48%	High
3	3.5	Firm/stiff grey/brown CLAY with rare medium gravel	V. high CV	48%	High
3.5	3.8	Firm/stiff grey/brown CLAY with rare medium gravel	V. high CV	47%	High



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** x 100 / **425%**
M.PI = Modified Plasticity Index (%) = **PI** x **425%** / 100
425% = Material passing the 425µm sieve (%) + (**N** = Natural or **S** = Sieved)
PL = Plastic Limit (%)
PI = Plasticity Index (%) = **LL - PL**
LL = Liquid Limit (%)
LL x 0.4 = 40% of the **LL** (%)
NP = Non Plastic

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.*

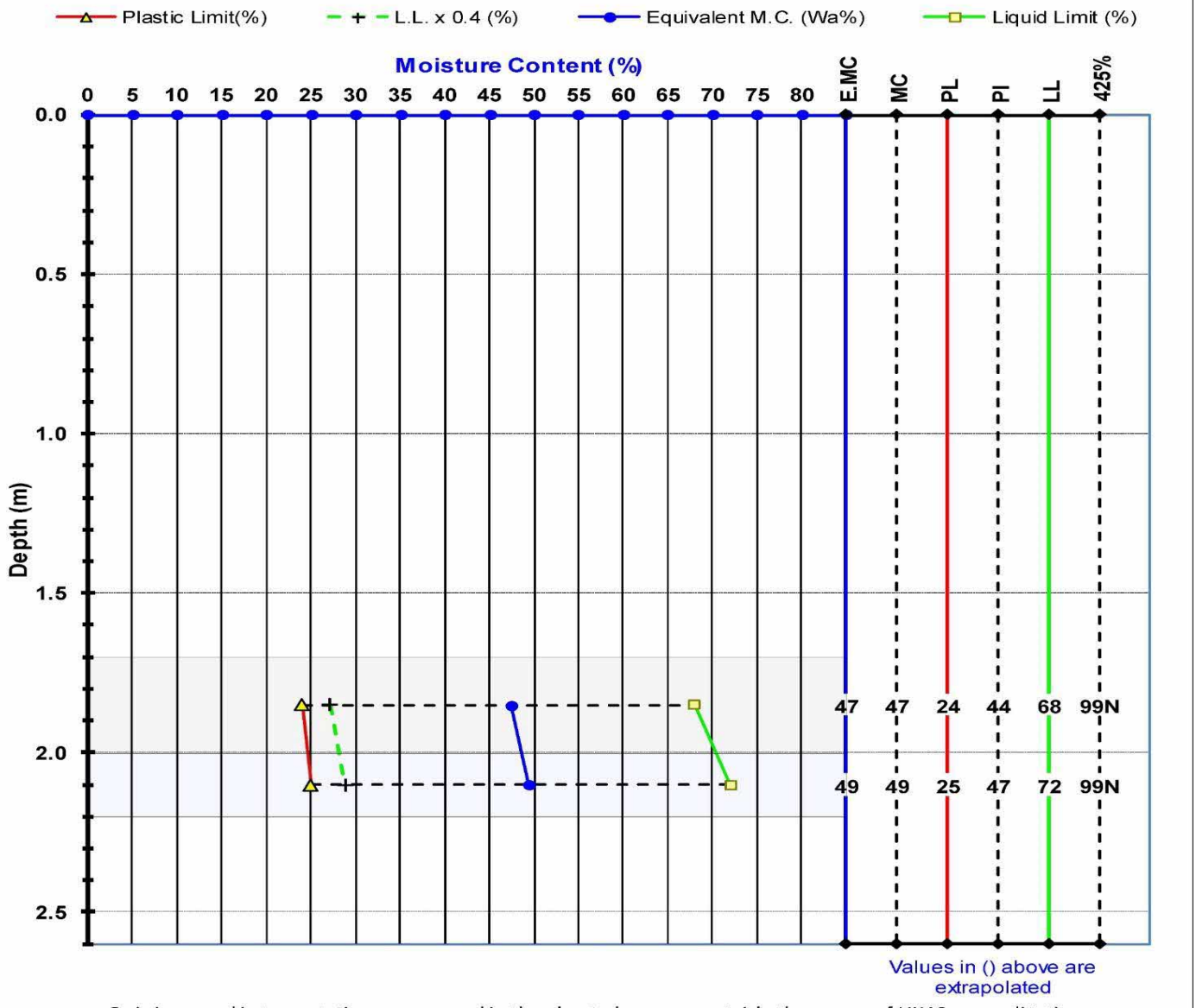
Comments:

Address: 28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ

Drainage Repair Company

LABORATORY TESTING RESULTS

Depth T (m)	Depth B (m)	2 - R/H side of property Brief Soil Description	Plasticity (BS 5930)	Volume Change M.PI	Volume Change (BRE 240)
1.7	2	Soft brown CLAY with rare medium gravel	High CH	44%	High
2	2.2	Soft brown CLAY with rare medium gravel	V. high CV	47%	High



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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:

Address: 28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ

Drainage Repair Company

ROOT IDENTIFICATION

Richardson's Botanical Identifications

Root identification
Vegetation surveys
Tree/Building investigations
Plant taxonomy

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

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Reading
RG6 7BB

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E-mail: richardsons@botanical.net
Web: www.botanical.net

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

Your ref: -

Our ref: 87/0710

27/06/2023

Dear Sirs

28 Damask Gardens, Waterlooville PO7 8QZ

The samples you sent in relation to the above on 25/05/2023 have been examined. Their structures were referable as follows:

TP/BH1, 0.4-1.4m		
18 no.	Examined root: QUERCUS (Oak).	Alive, recently*.
4 no.	All pieces of BARK only - not enough material for identification.	
10 no.	Unfortunately all with insufficient cells for identification.	
TP/BH1, 1.4-2.4m		
20 no.	Examined root: QUERCUS (Oak).	Alive, recently*.
3 no.	All pieces of BARK only - not enough material for identification.	
20 no.	Unfortunately all with insufficient cells for identification.	
TP/BH1, 2.4-3.4m		
6 no.	Examined root: could also be QUERCUS (Oak). This was a very IMMATURE sample.	Alive, recently*.

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

[redacted]

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 Drainage Repair Company

Address: **28 DAMASK GARDENS, WATERLOOVILLE, PO7 8QZ**

Drainage Repair Company

LIMITATION OF REPORT

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.