

CCTV REPORT FOR: 75 ALBERT STREET

CAMPDEN TOWN

LONDON NW1 7LX

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ROOT IDENTIFICATION LIMITATION OF REPORT



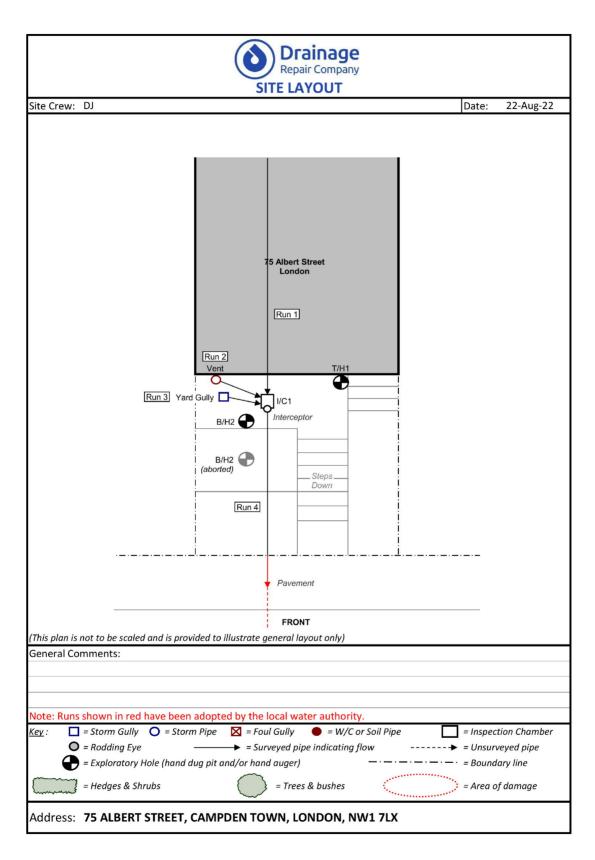
Client: 360GlobalNet

Regus House Herald Way

Pegasus Business Park Castle Donnington

DE74 2TZ

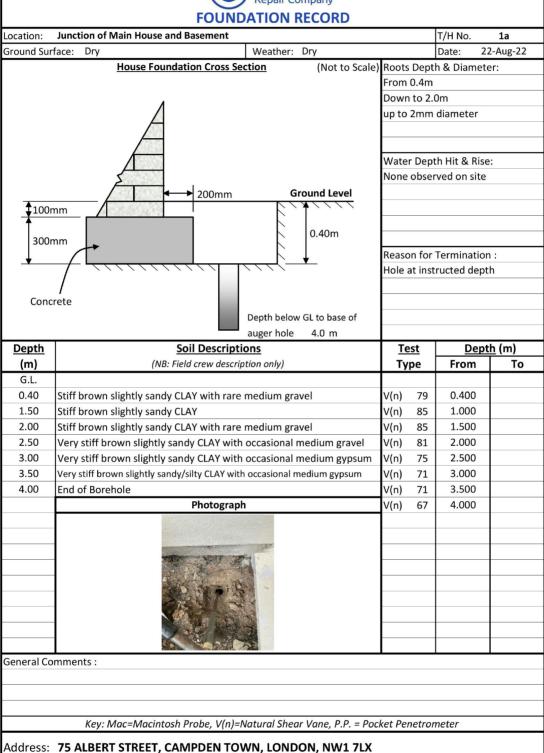
Site Visit: 22-Aug-22 Report Date: 14-Oct-22

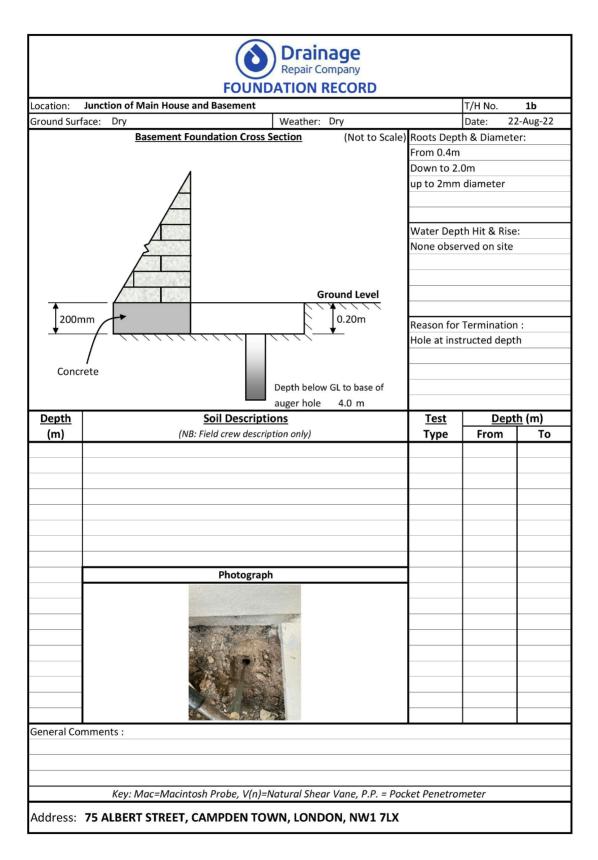




		CCTV S	URVEY DETA	AILS		
Site Crew:	DJ				Date:	22-Aug-22
<u>RUN:</u> 1	Pipe Dia. (mm): 150	System:	Foul Water	Made of:	Glazed	Clay
From:	I/C1	Inv (m): 1.00	Upstream	To: I/C2		Inv (m):
Metres	Fa	ults / Defects		Rei	marks	
0.00				At I/C1		
				Start of liner repair		
6.70				End of liner repair		
8.50	No Visible Defects			At I/C2		
				End of survey		
RUN: 2	Pipe Dia. (mm): 100	System:	Foul Water	Made of:	Glazed	Clay
From:	I/C1	Inv (m): 1.00	Upstream	To: Vent		Inv (m):
Metres	Fa	ults / Defects		Rei	marks	
0.00				At I/C1		
0.40	Medium Displaced Joint					
0.70	Circumferential Crack 1	2 to 12 o'clock				
0.80	Medium Displaced Joint	:				
				At top of rest bend to	vent	
1.10				1		
1.10	Pur	a is for yent nine	only and takes no	End of survey		
1.10	Rui	n is for vent pipe	only and takes no			
				direct services.		
RUN: 3	Pipe Dia. (mm): 100	System:	Storm Water	o direct services. Made of:	Glazed	
RUN: 3 From:	Pipe Dia. (mm): 100	System: Inv (m): 1.00	Storm Water	o direct services. Made of: To: Yard Gully		Clay Inv (m):
RUN: 3 From: Metres	Pipe Dia. (mm): 100	System:	Storm Water	Made of: To: Yard Gully Rei	Glazed marks	
RUN: 3 From: Metres	Pipe Dia. (mm): 100	System: Inv (m): 1.00	Storm Water	Made of: To: Yard Gully Rei At I/C1	marks	
RUN: 3 From: Metres 0.00 0.90	Pipe Dia. (mm): 100 I/C1 Fa	System: Inv (m): 1.00	Storm Water	Made of: To: Yard Gully Rei At I/C1 Material changes to pl	marks	
RUN: 3 From: Metres	Pipe Dia. (mm): 100	System: Inv (m): 1.00	Storm Water	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully	marks	
RUN: 3 From: Metres 0.00 0.90	Pipe Dia. (mm): 100 I/C1 Fa	System: Inv (m): 1.00	Storm Water	Made of: To: Yard Gully Rei At I/C1 Material changes to pl	marks	
RUN: 3 From: Metres 0.00 0.90	Pipe Dia. (mm): 100 I/C1 Fa	System: Inv (m): 1.00	Storm Water	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully	marks	
RUN: 3 From: Metres 0.00 0.90 1.00	Pipe Dia. (mm): 100 I/C1 Fa	System: Inv (m): 1.00 ults / Defects System:	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey Made of:	marks lastic	Inv (m):
RUN: 3 From: Metres 0.00 0.90 1.00	Pipe Dia. (mm): 100 I/C1 Fa No Visible Defects Pipe Dia. (mm): 150 I/C1	System: Inv (m): 1.00 ults / Defects System: Inv (m): 1.00	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey	marks lastic	Inv (m):
RUN: 3 From: Metres 0.00 0.90 1.00	Pipe Dia. (mm): 100 I/C1 Fa No Visible Defects Pipe Dia. (mm): 150 I/C1	System: Inv (m): 1.00 ults / Defects System:	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey Made of: To: Boundary	marks lastic	Inv (m):
RUN: 3 From: Metres 0.00 0.90 1.00 RUN: 4 From: Metres 0.00	Pipe Dia. (mm): 100 I/C1 Fa No Visible Defects Pipe Dia. (mm): 150 I/C1 Fa	System: Inv (m): 1.00 ults / Defects System: Inv (m): 1.00	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey Made of: To: Boundary Rei At I/C1	marks lastic Glazed marks	Inv (m):
RUN: 3 From: Metres 0.00 0.90 1.00 RUN: 4 From: Metres	Pipe Dia. (mm): 100 I/C1 Fa No Visible Defects Pipe Dia. (mm): 150 I/C1	System: Inv (m): 1.00 ults / Defects System: Inv (m): 1.00	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey Made of: To: Boundary Rei	marks lastic Glazed marks	Inv (m):
RUN: 3 From: Metres 0.00 0.90 1.00 RUN: 4 From: Metres 0.00 0.20 0.40	Pipe Dia. (mm): 100 I/C1 Fa No Visible Defects Pipe Dia. (mm): 150 I/C1 Fa Large Displaced Joint Circumferential Crack 13	System: Inv (m): 1.00 ults / Defects System: Inv (m): 1.00 ults / Defects 2 to 12 o'clock	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey Made of: To: Boundary Rei At I/C1	marks lastic Glazed marks	Inv (m):
RUN: 3 From: Metres 0.00 0.90 1.00 RUN: 4 From: Metres 0.00 0.20	Pipe Dia. (mm): 100 I/C1 Fa No Visible Defects Pipe Dia. (mm): 150 I/C1 Fa Large Displaced Joint Circumferential Crack 1: Medium Displaced Joint	System: Inv (m): 1.00 ults / Defects System: Inv (m): 1.00 ults / Defects 2 to 12 o'clock	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey Made of: To: Boundary Rei At I/C1	marks lastic Glazed marks	Inv (m):
RUN: 3 From: Metres 0.00 0.90 1.00 RUN: 4 From: Metres 0.00 0.20 0.40 1.40 2.20	Pipe Dia. (mm): 100 I/C1 Fa No Visible Defects Pipe Dia. (mm): 150 I/C1 Fa Large Displaced Joint Circumferential Crack 13	System: Inv (m): 1.00 ults / Defects System: Inv (m): 1.00 ults / Defects 2 to 12 o'clock	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey Made of: To: Boundary Rei At I/C1	marks lastic Glazed marks	Inv (m):
RUN: 3 From: Metres 0.00 0.90 1.00 RUN: 4 From: Metres 0.00 0.20 0.40 1.40 2.20 3.20	Pipe Dia. (mm): 100 I/C1 Fa No Visible Defects Pipe Dia. (mm): 150 I/C1 Fa Large Displaced Joint Circumferential Crack 1: Medium Displaced Joint	System: Inv (m): 1.00 ults / Defects System: Inv (m): 1.00 ults / Defects 2 to 12 o'clock	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey Made of: To: Boundary Rei At I/C1 At bottom of intercept	marks lastic Glazed marks	Inv (m):
RUN: 3 From: Metres 0.00 0.90 1.00 RUN: 4 From: Metres 0.00 0.20 0.40 1.40 2.20	Pipe Dia. (mm): 100 I/C1 Fa No Visible Defects Pipe Dia. (mm): 150 I/C1 Fa Large Displaced Joint Circumferential Crack 1: Medium Displaced Joint	System: Inv (m): 1.00 ults / Defects System: Inv (m): 1.00 ults / Defects 2 to 12 o'clock	Storm Water Upstream	Made of: To: Yard Gully Rei At I/C1 Material changes to pl At yard gully End of survey Made of: To: Boundary Rei At I/C1 At bottom of intercept	marks lastic Glazed marks	Inv (m):









		DATUM RECORD			
Location:	Lower Level of Front Garden			B/H No.	2
Ground Surfa	ace: Dry	Weather: Dry		Date: 22	2-Aug-22
				th & Diamete rved on site	er:
	<u>Borehole Only</u>			th Hit & Rise rved on site	:
				Termination	
				tructed depti called at 5m	
<u>Depth</u>	Soil Descript	tions	<u>Test</u>	Dept	<u>h</u> (m)
(m)	(NB: Field crew descr		Type	From	То
	Photograp	oh.	_		
General Con	nments :				
	everal attempts to install the datum in tl datum was installed at the bottom level				a hard
	Key: Mac=Macintosh Probe, V(n)=	-Natural Shear Vane P.P.	- Docket Penetro	motor	
* I T				HELEI	
Address:	75 ALBERT STREET, CAMPDEN TO	WN, LONDON, NW1	7LX		



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 of the property.

System Access: Inspection chamber in front garden.

Visual Survey: N/A

Water Pressure Test: Pass - no drop in pressure observed during testing.

SUMMARY OF FINDINGS

Defects requiring repair: Yes

Is any damaged section shared: No

No. of properties sharing: N/A

Age of property / system: Drainage system appears to be of mixed age.

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:

The pipework has previously been repaired through structural lining. No visible pipework defects.

Run 2 - Foul - Private:

Medium displaced joints, circumferential crack. Run is for vent pipe only and takes no direct services.

Run 3 - Storm - Private:

No visible pipework defects.

Run 4 - Foul - Private to Boundary:

Large displaced joint on interceptor, medium displaced joints, circumferential crack.



RECOMMENDATIONS

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

Run 2:

This run serves a vent pipe only, however if works are required in this area we would recommend installing a flexible structural liner from I/C1 upstream and around the vent pipe rest bend.

Run 3:

Break out interceptor from within chamber and replace with straight section of pipework. Renew chamber masonry, invert channel and benching as required once interceptor removed.

Carry out high pressure water jetting to prepare pipework for lining. Install a \emptyset 150mm structural liner from I/C1 downstream for up to 3.0m.

QUOTATION

Run 2

- Carry out high pressure water jetting
- Install a 100mm flexible structural liner from I/C1 upstream to vent

Run 3:

- Break out interceptor from within chamber
- Replace with straight section of pipework
- Renew chamber masonry, invert channel and benching as required
- · Carry out high pressure water jetting
- Install a 150mm structural liner from I/C1 downstream for up to 3.0m
- · Remove all spoil from site









I/C1, vent & yard gully

I/C1





T/H1 T/H1





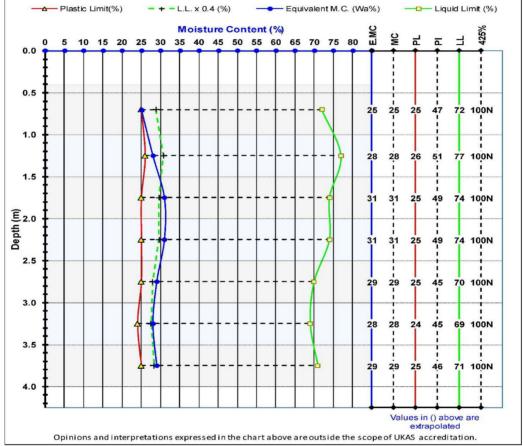


B/H2 B/H2



LABORATORY TESTING RESULTS

Depth	Depth	1 - JNC of house & basement	Plasticity	Volu	me Change
T (m)	B (m)	Brief Soil Description	(BS 5930)	M.PI	(BRE 240)
0.4	1	Stiff brown slightly sandy CLAY with rare medium gravel	V. high CV	47%	High
1	1.5	Stiff brown slightly sandy CLAY with rare medium gravel	V. high CV	51%	High
1.5	2	Stiff brown slightly sandy CLAY	V. high CV	49%	High
2	2.5	Stiff brown slightly sandy CLAY with rare medium gravel	V. high CV	49%	High
2.5	3	Very stiff brown slightly sandy CLAY with occasional medium gravel	High CH	45%	High
3	3.5	Very stiff brown slightly sandy CLAY with occasional medium gypsum	High CH	45%	High
3.5	4	Very stiff brown slightly sandy/silty CLAY with occasional medium gypsum	V. high CV	46%	High



PL = Plastic Limit (%)

LL = Liquid Limit (%)

NP = Non Plastic

 $LL \times 0.4 = 40\%$ of the LL (%)

PI = Plasticity Index (%) = LL - PL

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 425 μ m 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:





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

13/10/2022

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

Enterprise House 49-51 Whiteknights Road Reading RG6 7BB



Dear Lisa

74 Albert Street, Camden Town NW1 7LX

The samples you sent in relation to the above on 26/08/2022 have been examined. Their structures were referable as follows:

l no.	Examined root: a very THIN sample, with NO BARK. Could be either FRAXINUS (Ash) - or, in its absence - the family LEGUMINOSAE (a group of closely related trees: Robinia (False Acacia), Laburnum, Sophora (Pagoda tree), Gleditsia (Honey Locust), Cercis (Judas tree/Redbud), Albizia (Silk tree), Acacia (Mimosa), as well as such shrubs as Wisteria, Lupins, Gorse and Brooms).	Alive, recently*.
1 no.	Examined root: as above, although more like the family LEGUMINOSAE.	Alive, recently*.
1 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*.
1 no.	Although examined microscopically, this was found to be only a section of either twig, stem or sucker - NOT a root. Not identified.	
9 no.	Unfortunately all with insufficient cells for identification.	

Click here for more information: FRAXINUS LEGUMINOSAE POMOIDEAE 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

Based mainly on the lodine 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.





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.