

CCTV REPORT FOR: 1 IVYDENE GARDENS

DORRITA AVENUE WATERLOOVILLE

PO8 8NP

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CCTV SURVEY DETAILS FOUNDATION RECORD INVESTIGATION SUMMARY

RECOMMENDATIONS

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LABORATORY TESTING RESULTS

ROOT IDENTIFICATION LIMITATION OF REPORT



Client: 360GlobalNet

Regus House Herald Way

Pegasus Business Park

Castle Donington

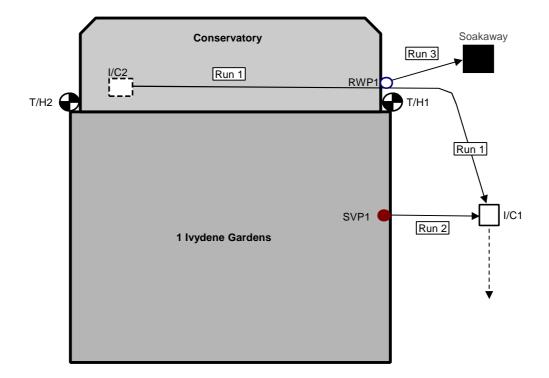
DE74 2TZ

Insured: Mr R Davison Reference: 084431824

Site Visit: 09-Mar-23 Report Date: 18-May-23



Site Crew: MF Date: 09-Mar-23



FRONT

(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.



Site Crew:	MF						Date:	09-Mar-23
<u>RUN:</u> 1	Pipe Dia. (mm):	100	System:	Foul Water		Made o	f: Plastic	
From:	I/C1		Inv (m): 0.90	Upstream	To:	I/C2		Inv (m):
Metres		Fau	Ilts / Defects			F	Remarks	
0.00					IC1			
3.30					Line le	eft full		
10.00	No Visible Defect	is .			IC2			
·		-			End of	survey		
DUN. 2	Dino Dio (mm).	100	Custom	Foul Water		Mada a	f. Diactic	
<u>RUN:</u> 2	Pipe Dia. (mm):	100	•	Foul Water	_		f: Plastic	
From:	I/C1		Inv (m): 0.90	Upstream	10:	SVP1		Inv (m):
Metres		Fau	ılts / Defects			<u> </u>	Remarks	
0.00					IC1			
1.90	No Visible Defect	iS			SVP1			
					End of	survey		
			<u> </u>	Storm Water		Made o	f: Plastic	
RUN: 3	Pipe Dia. (mm):	100	System:	otorni vvator				
	Pipe Dia. (mm): RWP1	100	System: Inv (m):	Downstream	To:	Soakaway		Inv (m):
·			System: Inv (m): Ilts / Defects		To:	Soakaway	Remarks	Inv (m):
From:			Inv (m):		To:	Soakaway	Remarks	Inv (m):
		Fau	Inv (m):			Soakaway F	Remarks	Inv (m):

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



Right hand side junction of house and conservatory Location: T/H No. 1a Ground Surface: Weather: Dry Date: 09-Mar-23 Dry Foundation Cross Section Conservatory (Not to Scale) Roots Depth & Diameter: From 0.4m Down to 2.0m up to 6mm diameter Water Depth Hit & Rise: None observed on site **Ground Level** 300mm 100mm 0.4m300mm Reason for Termination: Hole at instructed depth Concrete Depth below GL to base of auger hole 4.0 m Soil Descriptions Depth Test Depth (m) From (m) (NB: Field crew description only) Type To G.L. 0.40 0.400 Soft brown sandy CLAY V(n) 33 1.00 Soft/firm brown slightly gravelly slightly sandy CLAY V(n) 1.000 41 1.50 Firm brown slightly gravelly slightly sandy CLAY 1.500 V(n) 59 2.00 2.000 Firm grey mottled brown CLAY V(n) 65 4.00 **End of Borehole** 2.500 V(n) 65 3.000 V(n) 61 V(n) 3.500 63 65 4.000 Photograph V(n) General Comments: Key: Mac=Macintosh Probe, V(n)=Natural Shear Vane, P.P. = Pocket Penetrometer Address: 1 IVYDENE GARDENS, DORRITA AVENUE, WATERLOOVILLE, PO8 8NP



Location:	Right hand s	side junction of house and cons	servatory			T/H No.	1b
Ground Surfa			Weather:	-		Date:	09-Mar-23
		Foundation Cross Section Ho	ouse	(Not to Scale	e) Roots Deptl	h & Diam	neter:
		4			From 0.4m		
			_		Down to 2.0		
<u> </u>			(-	round Level	up to 6mm	diamete	r
Ţ			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
400m	ım	← 250mm			Water Dept	h Hit & F	Disa:
		250mm			None obser		
*				1.7m			
				,			
1300r	mm 📙	<u> </u>	\\				
	-						
<u> </u>				<u> </u>	Reason for		tion :
			(Trial hole or	nly	
Concre	/						
COLICI	ete						
<u>Depth</u>		Soil Description	ns		<u>Test</u>	De	epth (m)
(m)		(NB: Field crew descript			Туре	From	· .
G.L.							
		Photograph					
General Con	nmants ·						
General Con	mnents:						
	Key: N	Mac=Macintosh Probe, V(n)=N	atural Shea	ar Vane, P.P. = Po	cket Penetron	neter	
Address:	1 IVYDENI	e gardens, dorrita av	ENUE, W	ATERLOOVILLE	E, PO8 8NP		



Left hand side junction of main house and conservatory Location: T/H No. 2a Ground Surface: Weather: Dry Date: 09-Mar-23 Dry Foundation Cross Section Conservatory (Not to Scale) Roots Depth & Diameter: From 0.4m Down to 2.0m up to 6mm diameter Water Depth Hit & Rise: None observed on site **Ground Level** 300mm 100mm 0.4m300mm Reason for Termination: Hole at instructed depth Concrete Depth below GL to base of auger hole 4.0 m Soil Descriptions Depth Test Depth (m) From (m) (NB: Field crew description only) Type To G.L. 0.40 0.400 Soft brown gravelly sandy CLAY V(n) 32 1.50 Firm brown gravelly sandy CLAY V(n) 1.000 39 2.00 1.500 Firm grey mottled brown CLAY V(n) 57 4.00 2.000 End of Borehole V(n) 64 2.500 V(n) 65 3.000 V(n) 63 V(n) 3.500 66 Photograph 4.000 V(n) 66 General Comments: Key: Mac=Macintosh Probe, V(n)=Natural Shear Vane, P.P. = Pocket Penetrometer Address: 1 IVYDENE GARDENS, DORRITA AVENUE, WATERLOOVILLE, PO8 8NP



Left hand side junction of main house and conservatory Location: T/H No. 2b Ground Surface: Weather: Dry Date: 09-Mar-23 Dry **Foundation Cross Section House** (Not to Scale) Roots Depth & Diameter: From 0.4m Down to 2.0m up to 6mm diameter **Ground Level** 400mm Water Depth Hit & Rise: 250mm None observed on site 1.7m 1300mm ; Reason for Termination: Trial hole only Concrete <u>Depth</u> Soil Descriptions Test Depth (m) (m) (NB: Field crew description only) Type From To G.L. Photograph General Comments: Key: Mac=Macintosh Probe, V(n)=Natural Shear Vane, P.P. = Pocket Penetrometer Address: 1 IVYDENE GARDENS, DORRITA AVENUE, WATERLOOVILLE, PO8 8NP



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: Drainage to the rear

System Access: Inspection chambers at the property.

Visual Survey: N/A

Water Pressure Test: Passed

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



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 are evident within the run.

The current soakaway is located very close to the house at 2.0m downstream. Current Building Regulations require soakaways to be sited no closer than 5.0m to buildings.

RECOMMENDATIONS

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

Run 3:

The current soakaway is located very close to the house at 2.0m downstream. Current Building Regulations require soakaways to be sited no closer than 5.0m to buildings. We recommend that a new soakaway is installed that complies with Building Regulations, with new pipework installed to connect this to RWP1.

QUOTATION

Run 3 - Percolation Test:

- Identify suitable location for new soakaway
- Perform percolation tests in chosen location

Total ex.VAT	£1,200.00
VAT	£240.00
Total inc.VAT	£1,440.00

Run 3- New Soakaway

- Excavate and install new rest bend at base of RWP
- Excavate and install new modular soakaway in chosen location
- Install new pipework as required to connect new soakaway to Run 3
- Surface protections as required
- Backfill excavation
- Reinstate surface
- · Remove excavated spoil from site

Total ex.VAT	£2,634.92
VAT	£526.98
Total inc.VAT	£3,161.90
Grand Total - All Works ex.VAT	£3,834.92
VAT	£766.98

£4,601.90

Grand Total - All Works inc. VAT

Note: The cost of soakaway installation given here is for guidance only. Final quotation for the installation can only be given once the proposed location and results of the percolation tests are known.











SUMMARY OF LABORATORY SOIL DESCRIPTIONS

										7 8	10 (10			
Description of Sample	Brown sandy CLAY.	Brown slightly gravelly slightly sandy CLAY.	Brown slightly gravelly slightly sandy CLAY.	Grey mottled brown CLAY.										
Base Depth m	1.00	1.50	2.00	2.50	3.00	3.50	4.00				5	9		
Top Depth m	0.40	1.00	1.50	2.00	2.50	3.00	3.50							
Sample Type														
Sample Number														
Hole	TP/BH1	TP/BH1	TP/BH1	TP/BH1	TP/BH1	TP/BH1	TP/BH1							

1 Ivydene Gardens, Waterlooville, PO8 8NP

03/01/2022

Approved by: L Pavey

Issue No. 1

PSLRF105

Contract No: PSL23/2406 Client Ref: 084431824



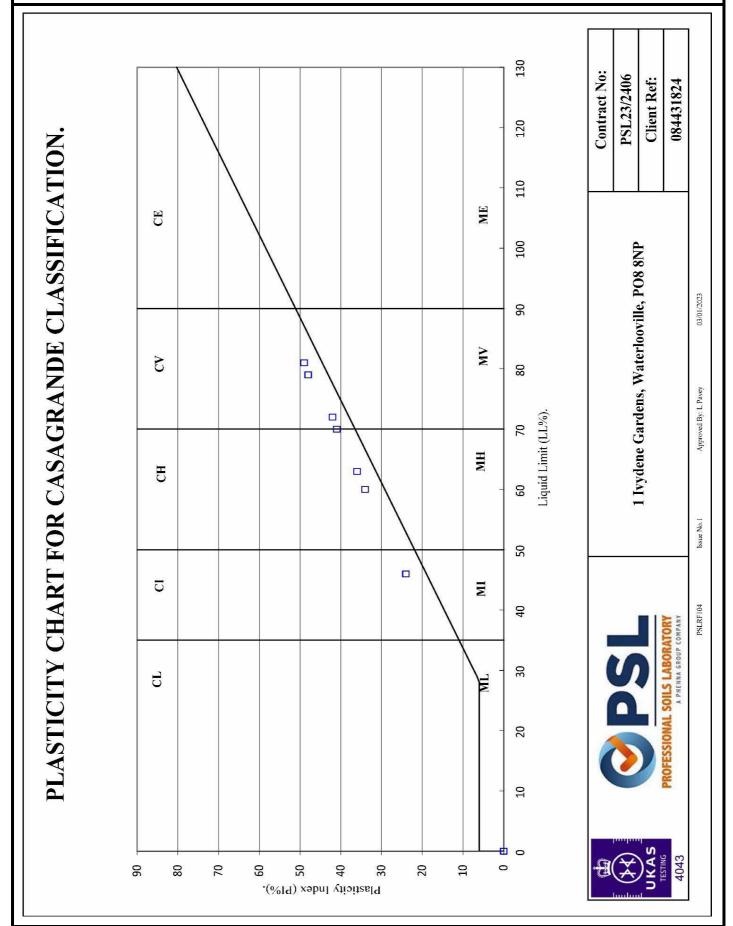


SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377: PART 2: 1990)

					Moisture	Linear	Particle	Liquid	Plastic	Plasticity	Passing	
Hole	Sample	Sample	Top	Base	Content	Shrinkage	Density	Limit o'	Limit o.	Index	.425mm	Remarks
Number	Number	lype	Deptu	Depth	% Clause 3.2	% Clause 6.5	Mg/m Clause 8.2	%0 Clause 4.3/4	% Clause 5.3	% Clause 5.4	%	
TP/BH1			0.40	1.00	22			46	22	24	100	Intermediate Plasticity CI
TP/BH1			1.00	1.50	29			09	56	34	26	High Plasticity CH
TP/BH1			1.50	2.00	28			63	72	36	86	High Plasticity CH
TP/BH1			2.00	2.50	31			79	31	48	100	Very High Plasticity CV
TP/BH1			2.50	3.00	31			20	67	41	100	Very High Plasticity CV
TP/BH1			3.00	3.50	30			81	32	6†	100	Very High Plasticity CV
TP/BH1			3.50	4.00	26			72	30	42	100	Very High Plasticity CV
					2 X			2 0				
MBOL	SYMBOLS: NP: Non Plastic	on Plastic			*: Liquid I	*: Liquid Limit and Plastic Limit Wet Sieved.	astic Limit V	Vet Sieved.				
-8												Contract No:
X	limbii			7		50	Turndona	W Sudonor	[ntomposition]	No one of	2	PSL23/2406
KAS						7	Tyyuene C	i ryguene Gardens, waterioovine, r Os sinf	aterioovii	IE, FUO OL	<u> </u>	Client Ref:
4043		PROFESSION	PROFESSIONAL SOILS LABORATOR	OILS LABORATORY A PHENNA GROUP COMPANY	3 -							084431824
				PSLR	PSLRF104	Issue No.1	Appr	Approved By: L Pavey	0/20	03/01/2023		
							2000	1564 556				





SUMMARY OF LABORATORY SOIL DESCRIPTIONS

Description of Sample	Brown gravelly sandy CLAY.		Grey mottled brown CLAY.										
Base Depth m	1.50	2.00	2.50	3.00	3.50	4.00					0		
Top Depth m	0.40	1.50	2.00	2.50	3.00	3.50							
Sample Type													
Sample Number													
Hole	TP/BH2	TP/BH2	TP/BH2	TP/BH2	TP/BH2	TP/BH2				C (12			

1 Ivydene Gardens, Waterlooville, PO8 8NP

03/01/2022

Approved by: L Pavey

Issue No. 1

Contract No: PSL23/2406 Client Ref: 084431824



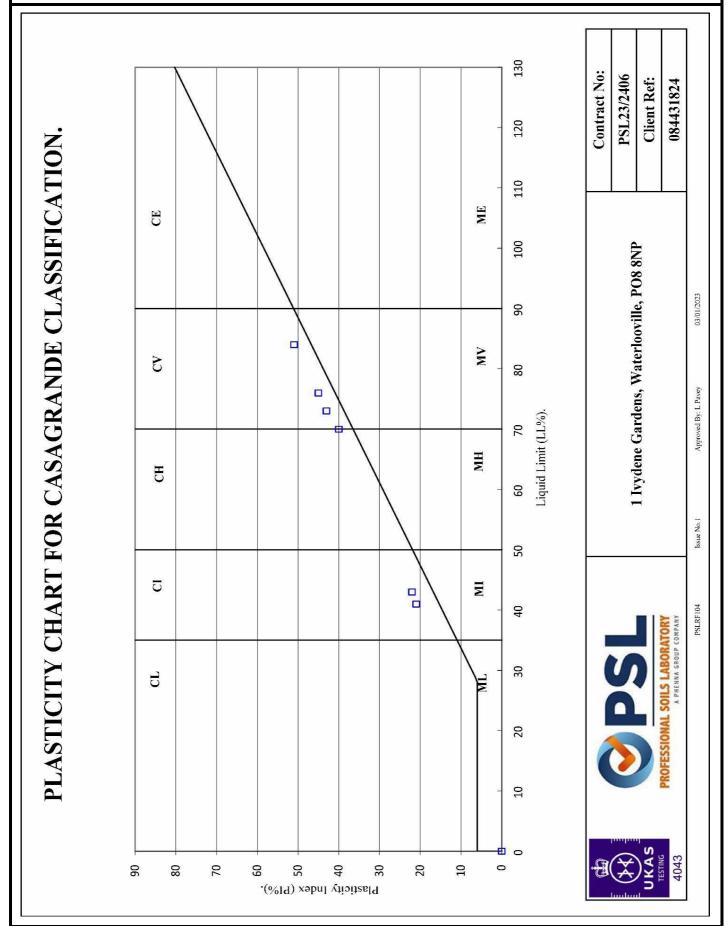


SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377: PART 2: 1990)

Density Limit Limit Index Mg/m³ % % % % Clause 8.2 Clause 4.3/4 Clause 5.3 Clause 5.4 41 20 21 43 21 22 84 33 51 70 30 40 70 30 40 73 30 440 73 30 440 73 30 440 73 30 483 143 51 Astric Limit Wet Sieved.						Moisture	Linear	Particle	Liquid	Plastic	Plasticity	Passing	
Clause 5.3 Clause 5.4 20 21 21 21 22 88 33 51 100 31 45 100 30 40 100 30 40 100 Waterlooville, PO8 8NP	Sample Sample Top Base Content Number Type Dorth Dorth %	Sample Top Base	Base		Conte	nt	Shrinkage	Density Ma/m ³	Limit %	Limit %	Index %	.425mm	Remarks
20 21 87 21 22 88 33 51 100 31 45 100 30 40 100 30 43 100 Waterlooville, PO8 8NP	m m Cla	mdag mdag addi	E E		Clause 3.2		Clause 6.5	Clause 8.2	Clause 4.3/4	Clause 5.3	Clause 5.4	₹	
21 22 88 33 51 100 31 45 100 30 40 100 30 43 100 	0.40 1.50 24	1.50	1.50		24	1		, ,	41	20	21	87	Intermediate Plasticity CI
33 51 100 30 40 100 30 43 100 30 43 100 Waterlooville, PO8 8NP	1.50 2.00 24	2.00	2.00		24				43	21	22	88	Intermediate Plasticity CI
30 40 100 30 40 100 30 43 100 Waterlooville, PO8 8NP	2.00 2.50 35	2.50	2.50		35				84	33	51	100	Very High Plasticity CV
30 40 100 30 43 100	2.50 3.00 31	3.00	3.00		31				92	31	45	100	Very High Plasticity CV
30 43 100 Waterlooville, PO8 8NP	3.00 3.50 30	3.50	3.50		30				70	30	40	100	Very High Plasticity CV
Waterlooville, PO8 8NP	3.50 4.00 27	4.00	4.00		27				73	30	43	100	Very High Plasticity CV
Waterlooville, PO8 8NP													
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Waterlooville, PO8 8NP			7			- 1							
	SYMBOLS: NP: Non Plastic *: Liquid		* : Liquid	*: Liquid	* : Liquid		imit and Pla	istic Limit W	/et Sieved.				
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The Drainage Repair Company Suite 15, Leatherline House 71 Narrow Lane **AYLESTONE** Leicester LE2 8NA

30/04/2023

Dr lan 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 86/3701 Our ref:

Dear Sirs

1 Ivydene Gardens PO8 8NP

The samples you sent in relation to the above on 20/03/2023 have been examined. Their structures were referable as follows:

TP/BH1, (0.4-2.0m	
3 no.	Examined root: QUERCUS (Oak).	Alive, recently*.
1 no.	Examined root: an herbaceous (non-woody) plant.	
P/BH2, (0.4-2.0m	
2 no.	Examined root: QUERCUS (Oak).	Dead*.
3 no.	All pieces of BARK only - not enough material 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 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.