

# Drainage Report

Prepared For  
**Cardbury Developments**  
**Unit 1A, Horton Ind Est**  
**New Town**  
**Sussex**  
**XX0 0XX**

Site  
**24 Albemarle Terrace**  
**Taunton**  
**Somerset**  
**XX0 0XX**



**ACCELERATED DRAIN SERVICES**  
**Martin Beattie**  
**Info@london-drainage.co.uk**  
**0800 955 72 42**

Total Observation Grades for Project



Total DRB Grades for Project





## 24 Albemarle Road - CCTV Survey Report : 17/07/18

Name : ACCELERATED DRAIN SERVICES  
Contact : Martin Beattie  
Location : Unit 95 Waterside Close  
Town : Barking  
Region : Essex  
Postcode : IG11 9EL  
Email : Info@london-drainage.co.uk  
Contact Number : 0800 955 72 42  
Surveyor : Martin Beattie  
Valid Certification No : L 301

### Client Information

Name : Cardbury Developments  
Contact : Jon Stephens  
Location : Unit 1A, Horton Ind Est  
Town : New Town  
Region : Sussex  
Postcode : XX0 0XX  
Tel : 01234 7778888  
Mobile : 0712 4356789  
Email : jon@cardbury.co.uk  
Fax :

### Site Information

Name :  
Contact : Mrs Jones  
Location : 24 Albemarle Terrace  
Town : Taunton  
Region : Somerset  
Postcode : XX0 0XX  
Tel : 0987 654321  
Mobile : 0712 3456789  
Email : angie123@somewhere.co.uk  
Fax :

Total Observation Grades for Project



Total DRB Grades for Project





## Report interpretation.

### Overview:

Each section of the drainage system is allocated a score indicating areas that require attention. These areas are detailed in the Overview section on the following page and also at the bottom right of the first few pages. We use colour coding as an indicator of severity. Additional information concerning rehabilitation options/recommendations is included in the Overview page, which can also be used as an, "at a glance" indication of system condition. More in depth information for each section, including images can be found later in the report. Grade indicators are as follows:

**Grade A:** Drain is serviceable no recommendations required

**Grade B:** There is an issue that might require remedial works

**Grade C:** There is a defect that requires remedial works, the drain is not serviceable.

### Observations:

Each section of drainage reported on (manhole to manhole for example), contains detailed information about that drain and any observations made concerning condition are detailed below the header section. The observations are colour coded and given a score, with more significant defects being given a higher score, using a scale from 1 to 5 as detailed below:

**Grades 1 to 2:** These defects may require remedial monitoring

**Grades 3 to 4:** These defects probably require some form of remedial works

**Grade 5:** Defects that will require remedial repair or replacement

### General:

The information provided is relevant at the time of survey. The coding system in this report is based on the Manual of Sewer Condition Classification, 5th edition (MSCC5) domestic codes ( BS EN 13508-1:2003 ). This is the official standard for the water industry.

The grading system is based on the Drain Repair Book 4th edition recommendations provided by the WRC and the 1 -5 grades represent the severity of individual defects: 5 representing a more serious defect.

Please feel free to contact us for further explanation or pricing for remedial works required.

Total Observation Grades for Project



Total DRB Grades for Project





## Overview

<b>Section: 1</b>  From: MH C1 To: MH C2	Mass Roots at 08.51m downstream of MHF1. We would recommend removal and prevention of further root growth. The drain is just serviceable.	<b>DRB Grade: B</b> <b>Pipe Size: 100</b> <b>Material: Vitrified Clay (i.e. all clayware)</b> <b>Use: Foul</b>
<b>Section: 2</b>  From: MH C2 To: G3	The JDL at 7.60m is likely to cause blockages. Our recommendation would be repair this defect by replacement. Patch lining the defect to smooth, if more cost effective, is another option.	<b>DRB Grade: C</b> <b>Pipe Size: 100</b> <b>Material: Vitrified Clay (i.e. all clayware)</b> <b>Use: Foul</b>
<b>Section: 3</b>  From: MH C2 To: MH C3	Grade A	<b>DRB Grade: A</b> <b>Pipe Size: 100</b> <b>Material: Vitrified Clay (i.e. all clayware)</b> <b>Use: Foul</b>

Total Observation Grades for Project



Total DRB Grades for Project





Site: 24 Albemarle Terrace, Taunton

Section 1

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Cardbury Developments	24 Albemarle Terrace	Taunton	12345	Martin Beattie	17/07/2018

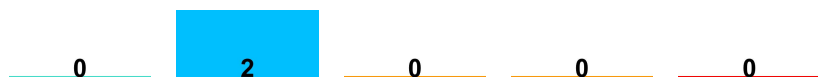
Start Node Ref:	MH C1	Finish Node Ref:	MH C2	Direction:	D	Height/Dia:	100
Start Node Depth:	1.57	Finish Node Depth:	1.75	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	11.6	

Position	Code	Description	CD	Pic	Grade
00.00m	MH	Start node type, manhole			0
00.00m	WL	Water level 0%			0
05.10m	DES	Settled deposits fine 20%		0_2	2
08.51m	RJ	Roots at joint		0_4	2
11.59m	LRH	Line of drain/sewer deviates right [half]			0
11.60m	MHF	Finish node type, manhole			0

Total Graded Defects for section



DRB Grade for Section





Descriptive Report with Remarks and Observation Images

Section 1

Pos	Code	Description	Image
00.00m	MH	Start node type, manhole MH F1	
00.00m	WL	Water level: 0% Height/Diameter	
05.10m	DES	Settled deposits fine: 20% Cross sectional area loss - Grade 2	Image Provided - Ref: 0_2 
08.51m	RJ	Roots at joint - Grade 2 Mass 40%	Image Provided - Ref: 0_4 
11.59m	LRH	Line of drain/sewer deviates right [half]	
11.60m	MHF	Finish node type, manhole MH F2	

Total Graded Defects for section



DRB Grade for Section





Site: 24 Albemarle Terrace, Taunton

Section 2

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Cardbury Developments	24 Albemarle Terrace	Taunton	12345	Martin Beattie	17/07/2018

Start Node Ref:	MH C2	Finish Node Ref:	G3	Direction:	D	Height/Dia:	100
Start Node Depth:	1.75	Finish Node Depth:	0.10	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	7.6	

Position	Code	Description	CD	Pic	Grade
00.00m	MH	Start node type, manhole			0
00.00m	WL	Water level 0%			0
01.06m	JN	Junction 09 : 100mm Diameter		1_2	0
07.60m	MC	Material of drain/sewer changes			0
07.60m	JDL	Joint displaced large		1_4	3
07.60m	OB	Other obstacles 15%		1_5	3
07.60m	SA	Survey abandoned			0

Total Graded Defects for section

DRB Grade for Section


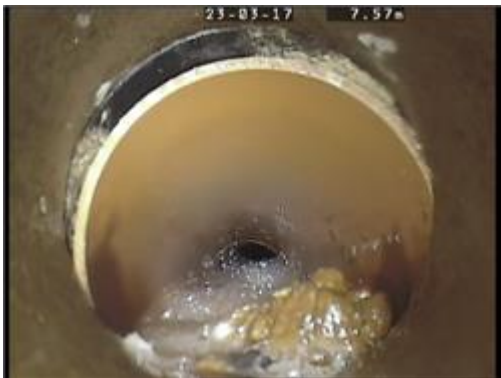
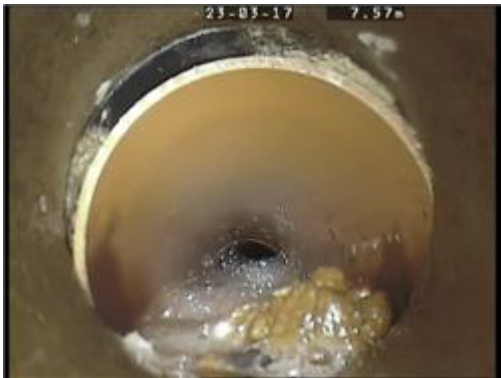






Descriptive Report with Remarks and Observation Images

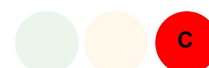
Section 2

Pos	Code	Description	Image
00.00m	MH	Start node type, manhole F2	
00.00m	WL	Water level: 0% Height/Diameter	
01.06m	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 1_2 
07.60m	MCPVC	Material of pipe changes to Polyvinyl Chloride	
07.60m	JDL	Joint displaced large - Grade 3 Causing blockage.	Image Provided - Ref: 1_4 
07.60m	OB	Other obstacles: 15% Cross sectional area loss - Grade 3 Partial blockage due to displacement.	Image Provided - Ref: 1_5 
07.60m	SA	Survey abandoned Unable to pass safely.	

Total Graded Defects for section



DRB Grade for Section







Site: 24 Albemarle Terrace, Taunton

Section 3

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Cardbury Developments	24 Albemarle Terrace	Taunton	12345	Martin Beattie	17/07/2018

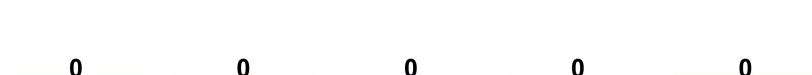
Start Node Ref:	MH C2	Finish Node Ref:	MH C3	Direction:	D	Height/Dia:	100
Start Node Depth:	1.70	Finish Node Depth:	1.80	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	9	

Position	Code	Description	CD	Pic	Grade
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			
09.00m	MHF	Finish node type, manhole			

Total Graded Defects for section

DRB Grade for Section





**Descriptive Report with Remarks and Observation Images**

**Section 3**

Pos	Code	Description	Image
00.00m	MH	Start node type, manhole MH F3	
00.00m	WL	Water level: 0% Height/Diameter	
09.00m	MHF	Finish node type, manhole MH F4	

Total Graded Defects for section

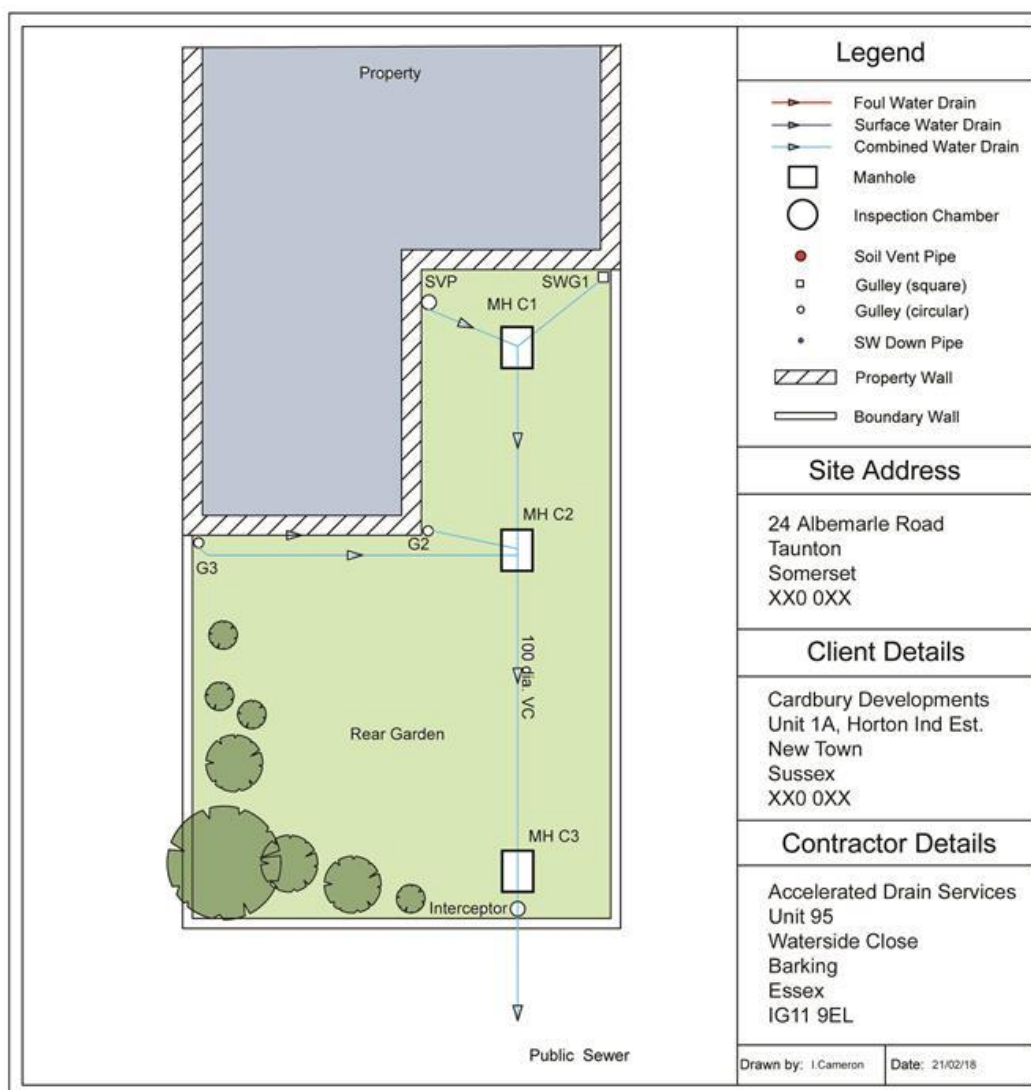


DRB Grade for Section





## Plan of Site





## Surveyor Certificate

**National Association of Drainage Contractors**

EUSR  
Energy & Utility Skills Register

**N.A.D.C.**  
Drainage Contractors

**Certified Contractor**

Registration No: L301

Issued On: 23.07.17

**Martin Beattie**

For Confirmation of Holders Identity call: 01508 570501

**N.A.D.C.**  
Drainage Contractors

This is to certify that

**Martin Beattie**

has passed The National Association of Drainage Contractors  
**CERTIFIED DRAINAGE SURVEYOR COURSE**

Identity number: L301

Date passed: 23rd July 2017  
Expiry date: 23rd July 2022

This course has been developed by the WRc and NADC with input from the Environment Agency.  
Completing this course does not constitute a defence against any criminal liability.

  
PETER STACEY  
CHAIRMAN  
National Association of Drainage Contractors

  
MARTIN BEATTIE  
VICE CHAIRMAN  
National Association of Drainage Contractors

 Environment Agency

 ENERGY & UTILITY SKILLS  
ATTRACT > DEVELOP > ASSURE

 WRc

