

Drainage Report



Prepared For
Hampshire County Council

Site
Staunton Country Park farm

Havant

PO9 5HB



THE DRAIN EXPERTS
rob Williams
Info@thedrainexperts.co.uk
01425653889

Total Defects for Project



Total DRB Grades for Project



Staunton Country Park - CCTV Survey Report : 13/11/19

Name : THE DRAIN EXPERTS
 Contact : Rob Williams
 Location : Unit 4 The Glenmore Centre Sandleheath Ind Estate
 Town : Fordingbridge
 Region :
 Postcode : SP6 1TE
 Email : Info@thedrainexperts.co.uk
 Contact Number : 01425653889
 Surveyor : rob Williams
 Valid Certification No :

Client Information

Name : Hampshire County Council
 Contact : Andrew Turner
 Location :
 Town :
 Region :
 Postcode :
 Tel :
 Mobile :
 Email :
 Fax :

Site Information

Name : Staunton Country Park farm
 Contact :
 Location :
 Town : Havant
 Region :
 Postcode : PO9 5HB
 Tel :
 Mobile :
 Email :
 Fax :

Total Defects for Project



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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/recomendations 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 severity score, with more significant defects being given a higher score, using a scale from 1 to 5 as detailed below:

Severity 1 to 2: These defects may require remedial monitoring

Severity 3: These defects probably require some form of remedial works

Severity 4 to 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 severity system is based on significant experience in general practice 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 Defects for Project

Total DRB Grades for Project



Overview

Section: 1 From: FMH1 To: Gully	Grade A	DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 2 From: FMH1 To: SVP	Grade B	DRB Grade: B Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 3 From: FMH1 To: Floor gully	Grade C	DRB Grade: C Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 4 From: FMH1 To: FMH2	Grade B	DRB Grade: B Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 5 From: FMH2 To: SVP	Grade C	DRB Grade: C Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul

Total Defects for Project



Total DRB Grades for Project



Site: , Havant

Section 1

Client: Hampshire County Council	Location (Street Name):	City/Town/Village Havant	Cust Job Ref.	Surveyors Name: rob Williams	Date: 13/11/2019
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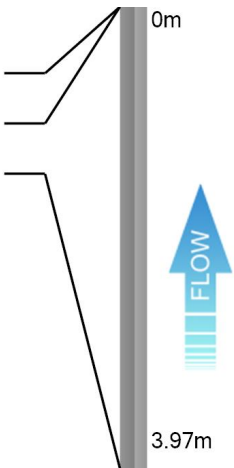
Start Node Ref: Start Node Depth: Start Node Coordinate:	FMH1 0.80	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	Gully 0.00	Direction: Use: Material:	U F VC	Height/Dia: Shape: Cleaned	100 C N
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Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	3.97	

Position	Code	Description
00.00m	MH	Start node type, manhole
00.00m	WL	Water level 0%
03.97m	GYF	Finish node type Gully

CD Pic Video Ref

0:00:00



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 1

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH1	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.97m		GYF	Finish node type Gully U/S Gully unused at present.	

Total Defects for section



DRB Grade for Section



Site: , Havant

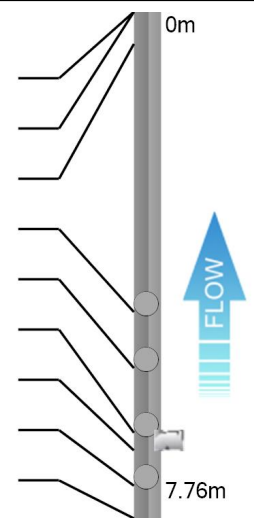
Section 2

Client: Hampshire County Council	Location (Street Name):	City/Town/Village Havant	Cust Job Ref.	Surveyors Name: rob Williams	Date: 13/11/2019
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Start Node Ref:	FMH1	Finish Node Ref:	SVP	Direction:	U	Height/Dia:	100
Start Node Depth:	0.80	Finish Node Depth:	0.00	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	7.76	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.49m	OJM	Open joint medium		1_2	0:00:21	
04.60m	JN	Junction 12 : 100mm Diameter		1_3	0:00:55	
05.46m	JN	Junction 12 : 100mm Diameter		1_4	0:01:08	
06.45m	JN	Junction 12 : 100mm Diameter		1_5	0:01:16	
06.72m	JN	Junction 09 : 100mm Diameter		1_6	0:01:24	
07.26m	JN	Junction 12 : 100mm Diameter		1_7	0:01:27	
07.76m	MHF	Finish node type, manhole				



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 2

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH1	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.49m	0:00:21	OJM	Open joint medium - Severity 3	Image Provided - Ref: 1_2 
04.60m	0:00:55	JN	Junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 1_3 
05.46m	0:01:08	JN	Junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 1_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
06.45m	0:01:16	JN	Junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 1_5 
06.72m	0:01:24	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 1_6 
07.26m	0:01:27	JN	Junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 1_7 
07.76m		MHF	Finish node type, manhole SVP	

Total Defects for section



DRB Grade for Section



Site: , Havant

Section 3

Client: Hampshire County Council	Location (Street Name):	City/Town/Village Havant	Cust Job Ref.	Surveyors Name: rob Williams	Date: 13/11/2019
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Start Node Ref: Start Node Depth: Start Node Coordinate:	FMH1 0.80	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	Floor gully 0.00	Direction: U Use: F Material: VC	Height/Dia: 100 Shape: C Cleaned: N
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Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	8.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
01.16m	CL	Crack, longitudinal 12		2_2	0:00:22	
01.37m	H	Hole in drain/sewer 12		2_3	0:00:33	
01.82m	R	Roots		2_4	0:00:55	
04.56m	JN	Junction 09 : 100mm Diameter		2_5	0:01:20	
08.30m	WRF	Finish node type, major connection without				

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 3

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH1	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.16m	0:00:22	CL	Crack, longitudinal at 12 o'clock - Severity 1	Image Provided - Ref: 2_2 
01.37m	0:00:33	H	Hole in drain/sewer at 12 o'clock - Severity 4	Image Provided - Ref: 2_3 
01.82m	0:00:55	R	Roots - Severity 3	Image Provided - Ref: 2_4 

Total Defects for section

DRB Grade for Section



Pos	Video Ref	Code	Description	Image
04.56m	0:01:20	JN	Junction at 09 o'clock: 100mm Diameter root ingress from junction	Image Provided - Ref: 2_5 
08.30m		WRF	Finish node type, major connection without manhole Manhole buried under floor.	

Total Defects for section



DRB Grade for Section



Site: , Havant

Section 4

Client: Hampshire County Council	Location (Street Name):	City/Town/Village Havant	Cust Job Ref.	Surveyors Name: rob Williams	Date: 13/11/2019
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Start Node Ref: Start Node Depth: Start Node Coordinate:	FMH1 0.80	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	FMH2 1.10	Direction: Use: Material:	D F VC	Height/Dia: Shape: Cleaned	100 C N
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Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	5.75	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
05.74m	JDM	Joint displaced medium		3_2	0:00:46
05.75m	MHF	Finish node type, manhole			

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 4

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH1	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
05.74m	0:00:46	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 3_2 
05.75m		MHF	Finish node type, manhole FMH2	

Total Defects for section



DRB Grade for Section



Site: , Havant

Section 5

Client: Hampshire County Council	Location (Street Name):	City/Town/Village Havant	Cust Job Ref.	Surveyors Name: rob Williams	Date: 13/11/2019
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Start Node Ref: Start Node Depth: Start Node Coordinate:	FMH2 1.10	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	SVP 0.00	Direction: Use: Material:	U F VC	Height/Dia: Shape: Cleaned	100 C N
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Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	19.25	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.16m	OJM	Open joint medium		4_2	0:00:12	
12.75m	CL	Crack, longitudinal 03		4_3	0:01:59	
13.40m	H	Hole in drain/sewer 12		4_4	0:02:27	
17.65m	JDM	Joint displaced medium		4_5	0:03:32	
18.35m	CL	Crack, longitudinal 12		4_6	0:03:47	
19.25m	MHF	Finish node type, manhole				

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 5

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH2	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.16m	0:00:12	OJM	Open joint medium - Severity 3	Image Provided - Ref: 4_2 
12.75m	0:01:59	CL	Crack, longitudinal at 03 o'clock - Severity 1	Image Provided - Ref: 4_3 
13.40m	0:02:27	H	Hole in drain/sewer at 12 o'clock - Severity 4 root ingress present at this point	Image Provided - Ref: 4_4 

Total Defects for section

DRB Grade for Section



Pos	Video Ref	Code	Description	Image
17.65m	0:03:32	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 4_5 
18.35m	0:03:47	CL	Crack, longitudinal at 12 o'clock - Severity 1	Image Provided - Ref: 4_6 
19.25m		MHF	Finish node type, manhole SVP	