

Drainage Report



Prepared For
CJ Construction
The Builders Yard, Somerset Lane
Port Talbot
West Glamorgan
SA13 1UA

Site
CJ Construction
Sonalyt
Baglan
Neat Port Talbot
SA12 7DJ

RHB DRAIN SERVICES

rhb-drains@hotmail.co.uk
01639 630607

Total Defects for Project



Total DRB Grades for Project



Sonalyst Baglan CCTV Survey - CCTV Survey Report : 25/02/20

Name : RHB DRAIN SERVICES
 Contact : Scott Black
 Location : 14 Blaenavon Terrace
 Town : Tonmawr
 Region : Port Talbot
 Postcode : SA12 9US
 Email : rhb-drains@hotmail.co.uk
 Contact Number : 01639 630607
 Surveyor :
 Valid Certification No :

Client Information

Name : CJ Construction
 Contact : Chris Jones
 Location : The Builders Yard, Somerset Lane
 Town : Port Talbot
 Region : West Glamorgan
 Postcode : SA13 1UA
 Tel : 01639 898743
 Mobile : 07971619901
 Email :
 Fax :

Site Information

Name : CJ Construction
 Contact : Brian Jones
 Location : Sonalyst
 Town : Baglan
 Region : Neat Port Talbot
 Postcode : SA12 7DJ
 Tel :
 Mobile : 07958909045
 Email :
 Fax :

Total Defects 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/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.

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Overview

Section: 1 From: MH S1 To: MH S2	Survey between MHS1 to MHS2 was abandoned due to water level in pipe and settled deposits. Water level in MHS2 is 50% height/diameter of pipe, checked downstream manhole (MHS3) which has a 1050mm diameter pipe in and the water level is 60% height/diameter. The pipe connecting from MHS2 is below the water level so we were unable to survey. Water level in MHS5 is 60% height/diameter, unable to survey from MHS4 to MHS5 due to water level in pipe.	DRB Grade: B Pipe Size: 400 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
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Site: Sonalyst, Baglan

Section 1

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
CJ Construction	Sonalyst	Baglan			25/02/2020

Start Node Ref:	MH S1	Finish Node Ref:	MH S2	Direction:	D	Height/Dia:	400
Start Node Depth:	1.61	Finish Node Depth:	0.00	Use:	S	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	40.3	

Position	Code	Description	CD	Plc	Video Ref	
00.00m	MH	Start node type, manhole		0_0		
00.00m	WL	Water level 5%				
02.20m	WL	Water level 10%			0:00:31	
03.70m	DER	S1 Settled deposits coarse 15%	S1	0_4	0:00:41	
07.80m	CN	Connection other than junction 02 : 100mm		0_5	0:01:12	
10.08m	WL	Water level 5%			0:03:26	
10.70m	DER	F1 Settled deposits coarse 15%	F1	0_-4	0:00:41	
16.40m	CN	Connection other than junction 12 : 150mm		0_6	0:02:28	
18.90m	CN	Connection other than junction 02 : 100mm		0_7	0:02:21	
22.10m	CN	Connection other than junction 03 : 100mm		0_8	0:03:14	
24.00m	WL	Water level 15%			0:03:26	
27.60m	CN	Connection other than junction 09 : 150mm		0_11	0:03:43	
30.00m	WL	Water level 25%			0:04:01	
34.00m	REM	General remark			0:05:14	
36.00m	CN	Connection other than junction 02 : 100mm		0_14	0:06:45	
40.30m	SA	Survey abandoned				

Total Defects for section



DRB Grade for Section

B

Descriptive Report with Remarks and Observation Images

Section 1

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH1	Image Provided - Ref: 0_0 
00.00m		WL	Water level: 5% Height/Diameter	
02.20m	0:00:31	WL	Water level: 10% Height/Diameter	
03.70m	0:00:41	S1 DER	Settled deposits coarse 3.7m - 10.7m: 15% Cross sectional area loss - Severity 3	Image Provided - Ref: 0_4 
07.80m	0:01:12	CN	Connection other than junction at 02 o'clock: 100mm Diameter	Image Provided - Ref: 0_5 
10.08m	0:03:26	WL	Water level: 5% Height/Diameter	

Total Defects for section

DRB Grade for Section



B

Pos	Video Ref	Code	Description	Image
10.70m	0:00:41	F1 DER	Settled deposits coarse Defect End: 15% Cross sectional area loss - Severity 3	
16.40m	0:02:28	CN	Connection other than junction at 12 o'clock: 150mm Diameter	Image Provided - Ref: 0_6 
18.90m	0:02:21	CN	Connection other than junction at 02 o'clock: 100mm Diameter	Image Provided - Ref: 0_7 
22.10m	0:03:14	CN	Connection other than junction at 03 o'clock: 100mm Diameter	Image Provided - Ref: 0_8 
24.00m	0:03:26	WL	Water level: 15% Height/Diameter	

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
27.60m	0:03:43	CN	Connection other than junction at 09 o'clock: 150mm Diameter	Image Provided - Ref: 0_11 
30.00m	0:04:01	WL	Water level: 25% Height/Diameter	
34.00m	0:05:14	REM	General remark Camera having difficulty traveling through pipe due to debris under water	
36.00m	0:06:45	CN	Connection other than junction at 02 o'clock: 100mm Diameter	Image Provided - Ref: 0_14 
40.30m		SA	Survey abandoned Survey abandoned due to water level and settled deposit in pipe.	Image Provided - Ref: 0_9999 

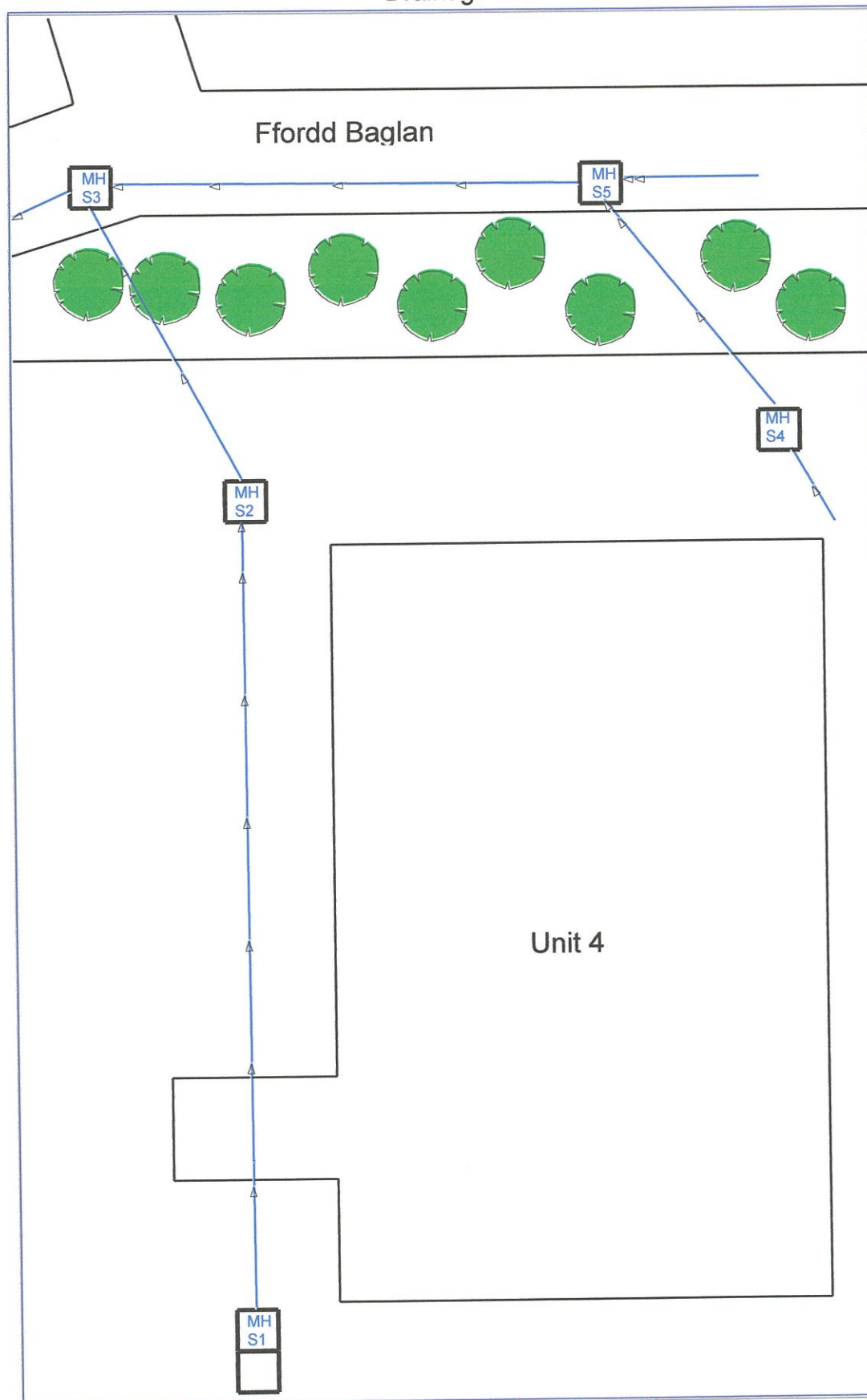
Total Defects for section



DRB Grade for Section

B

Drainage Plan



Legend

- ▶ Foul Water Drain
- ▶ Surface Water Drain
- ▶ Combined Drain
- Manhole, Rect.
- Manhole, Circ.
- Manhole, Square
- Gully, Square
- Gully, Circ.
- Soil Vent Pipe
- Buchan Trap
- Windsor Trap (MH)
- Channel Drain
- Septic Tank
- Bush/Shrub

Not to Scale

Site Address

Sonalyst
Unit 4
Baglan Industrial Park
Aberavon Road
Port Talbot
SA12 7DJ

Client Details

CJ Construction Ltd
The Builders Yard
Port Talbot
SA13 1UA

Contractor Details

RHB Drain Services Ltd

Scott Black

25 Feb 2020