

Drainage Report

Total Defects for Project



Total DRB Grades for Project



Prepared For

Site

Clarus Homes
Suites 5 & 6, The Thorne Business
Park
Bethersden, Ashford
Kent
TN26 3AF

Clarus Homes
Bears Green Plot 2 - Bears Lane
Great Chart, Bethersden, Ashford
Kent
TN23 3BZ



HOULIHAN & CO LTD

CCTVSurveys@Houlihans.co.uk
01784 250 650

Total Defects for Project



Total DRB Grades for Project



Clarus Homes Bears Lane PLOT 2 - CCTV Survey Report : 10/07/25

Name : HOULIHAN & CO LTD
Contact :
Location : Unit J2 Brooklands Close
Town : Sunbury-on-Thames
Region : Surrey
Postcode : TW16 7DX
Email : CCTVSurveys@Houlihans.co.uk
Contact Number : 01784 250 650
Surveyor :
Valid Certification No :

Client Information

Name : Clarus Homes
Contact :
Location : Suites 5 & 6, The Thorne Business Park
Town : Bethersden, Ashford
Region : Kent
Postcode : TN26 3AF
Tel :
Mobile :
Email :
Fax :

Site Information

Name : Clarus Homes
Contact :
Location : Bears Green Plot 2 - Bears Lane
Town : Great Chart, Bethersden, Ashford
Region : Kent
Postcode : TN23 3BZ
Tel :
Mobile :
Email :
Fax :

Total Defects for Project

Total DRB Grades for Project



Overview

Section: 1 From: F2.1 To: Kitchen/Cap	DRB Grade A	Structural Grade: 0 Service Grade: 0 DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 2 From: Kitchen Waste To: F2.1	DRB Grade A	Structural Grade: 0 Service Grade: 0 DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 3 From: F2.1 To: FW Gully	DRB Grade A	Structural Grade: 0 Service Grade: 0 DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 4 From: F2.1 To: Treatment Plant	DRB Grade A	Structural Grade: 0 Service Grade: 0 DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 5 From: F2.2 To: Internal 1	DRB Grade A	Structural Grade: 0 Service Grade: 0 DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 6 From: F2.2 To: Internal 2	DRB Grade A	Structural Grade: 0 Service Grade: 0 DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 7 From: F2.3 To: Internal 3	DRB Grade A	Structural Grade: 0 Service Grade: 0 DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul
Section: 8 From: F2.3 To: Internal 4 / WC	DRB Grade A	Structural Grade: 0 Service Grade: 0 DRB Grade: A Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Foul

Total Defects for Project



Total DRB Grades for Project



Scores

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
F2.1	Kitchen/Cap	100	Vitrified Clay (i.e. all clayware)	0	0	0	0	0

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
Kitchen Waste	F2.1	100	Vitrified Clay (i.e. all clayware)	0	0	0	0	0

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
F2.1	FW Gully	100	Vitrified Clay (i.e. all clayware)	0	0	0	0	0

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
F2.1	Treatment Plant	100	Vitrified Clay (i.e. all clayware)	0	0	0	0	0

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
F2.2	Internal 1	100	Vitrified Clay (i.e. all clayware)	0	0	0	0	0

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
F2.2	Internal 2	100	Vitrified Clay (i.e. all clayware)	0	0	0	0	0

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
F2.3	Internal 3	100	Vitrified Clay (i.e. all clayware)	0	0	0	0	0

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
F2.3	Internal 4 / WC	100	Vitrified Clay (i.e. all clayware)	0	0	0	0	0

Total Defects for Project

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Site: Besr Green Plot 2 - Bears Lane , Great Chart, Bethersden, Ashford

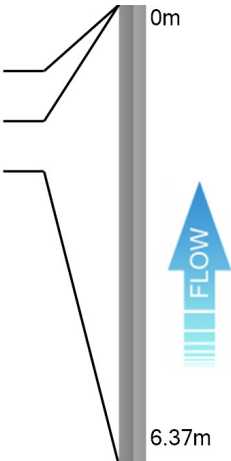
Section 1

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Clarus Homes	Besr Green Plot 2 - Bears Lane	Great Chart, Bethersden, Ashford			10/07/2025

Start Node Ref:	F2.1	Finish Node Ref:	Kitchen/Cap	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	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	6.37	

Structural Peak Grade	0	Operational Grade	0	DRB Grade	A
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Position	Code	Description	CD	Pic	Video Ref	
00.0	MH	Start node type, manhole		0_0	0:00:00	
00.0	WL	Water level 0%		0_1	0:00:00	
06.4	MHF	Finish node type, manhole		0_9		

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images
Section 1

Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	MH		Start node type, manhole, reference F2.1 F2.1	<p>Image Provided - Ref: 0_0</p> 
00.0m	0:00:00	WL		Water level: 0% Height/Diameter	<p>Image Provided - Ref: 0_1</p> 
06.4m		MHF		Finish node type, manhole, reference Kitchen/Cap Reached Kitchen/Capped Off	<p>Image Provided - Ref: 0_9999</p> 

Total Defects for section



DRB Grade for Section



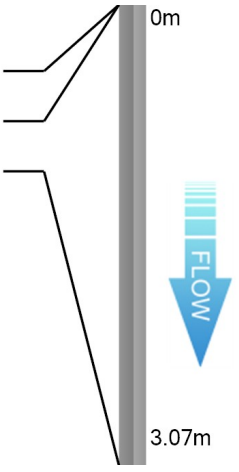
Site: Besr Green Plot 2 - Bears Lane , Great Chart, Bethersden, Ashford

Section 2



Client: Clarus Homes	Location (Street Name): Besr Green Plot 2 - Bears Lane	City/Town/Village Great Chart, Bethersden, Ashford	Cust Job Ref.	Surveyors Name:	Date: 10/07/2025
Start Node Ref: Start Node Depth: Start Node Coordinate:	Kitchen Waste 0.00	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	F2.1 0.00	Direction: Use: Material:	D F VC Height/Dia: 100 Shape: C Cleaned N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	3.07	

Structural Peak Grade	0	Operational Grade	0	DRB Grade	A
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Position	Code	Description	CD	Pic	Video Ref	
00.0	OF	Start node type, outfall		7_0	0:00:00	
00.0	WL	Water level 0%			0:00:00	
03.1	MHF	Finish node type, manhole		7_9		

Descriptive Report with Remarks and Observation Images
Section 2

Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	OF		Start node type, outfall, reference Kitchen Waste Kitchen Waste	<p>Image Provided - Ref: 7_0</p> 
00.0m	0:00:00	WL		Water level: 0% Height/Diameter	
03.1m		MHF		Finish node type, manhole, reference F2.1 F2.1	<p>Image Provided - Ref: 7_9999</p> 

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: Besr Green Plot 2 - Bears Lane , Great Chart, Bethersden, Ashford

Section 3

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Clarus Homes	Besr Green Plot 2 - Bears Lane	Great Chart, Bethersden, Ashford			10/07/2025

Start Node Ref:	F2.1	Finish Node Ref:	FW Gully	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	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	7.37	

Structural Peak Grade	0	Operational Grade	0	DRB Grade	A
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Position	Code	Description	CD	Pic	Video Ref	
00.0	MH	Start node type, manhole		1_0	0:00:00	
00.0	WL	Water level 0%		1_1	0:00:00	
07.4	GYF	Finish node type Gully		1_9		

0m

7.37m






Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images
Section 3

Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	MH		Start node type, manhole, reference F2.1 F2.1	<p>Image Provided - Ref: 1_0</p> 
00.0m	0:00:00	WL		Water level: 0% Height/Diameter	<p>Image Provided - Ref: 1_1</p> 
07.4m		GYF		Finish node type Gully, reference FW Gully Reached External FW Gully	<p>Image Provided - Ref: 1_9999</p> 

Total Defects for section



DRB Grade for Section



Site: Besr Green Plot 2 - Bears Lane , Great Chart, Bethersden, Ashford

Section 4

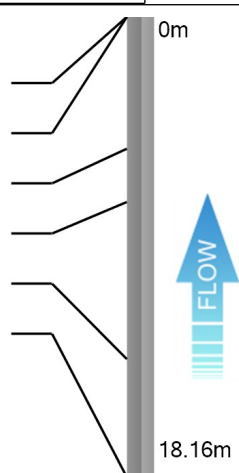
Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Clarus Homes	Besr Green Plot 2 - Bears Lane	Great Chart, Bethersden, Ashford			10/07/2025

Start Node Ref:	F2.1	Finish Node Ref:	Treatment Plant	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	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	18.16	

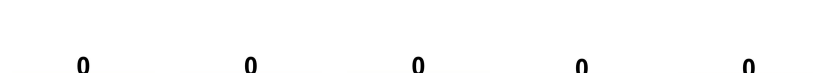
Structural Peak Grade	0	Operational Grade	0	DRB Grade	A
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Position	Code	Description	CD	Pic	Video Ref	
00.0	MH	Start node type, manhole		2_0	0:00:00	
00.0	WL	Water level 0%		2_1	0:00:00	
05.2	REM	General remark		2_2	0:00:20	
07.3	REM	General remark		2_3	0:00:28	
13.5	REM	General remark		2_4	0:00:52	
18.2	MHF	Finish node type, manhole		2_9		






Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images
Section 4



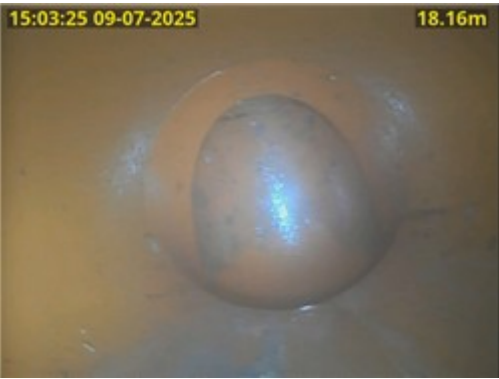
Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	MH		Start node type, manhole, reference F2.1 F2.1	<p>Image Provided - Ref: 2_0</p> 
00.0m	0:00:00	WL		Water level: 0% Height/Diameter	<p>Image Provided - Ref: 2_1</p> 
05.2m	0:00:20	REM		General remark Enters MH 2.2	<p>Image Provided - Ref: 2_2</p> 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Cont.	Description	Image
07.3m	0:00:28	REM		General remark Enters MH 2.3	<p>Image Provided - Ref: 2_3</p> 
13.5m	0:00:52	REM		General remark Enter MH 2.4	<p>Image Provided - Ref: 2_4</p> 
18.2m		MHF		Finish node type, manhole, reference Treatment Plant Treatment Plant	<p>Image Provided - Ref: 2_9999</p> 

Total Defects for section



DRB Grade for Section



Site: Besr Green Plot 2 - Bears Lane , Great Chart, Bethersden, Ashford

Section 5

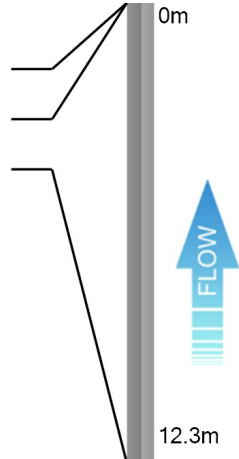
Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Clarus Homes	Besr Green Plot 2 - Bears Lane	Great Chart, Bethersden, Ashford			10/07/2025

Start Node Ref:	F2.2	Finish Node Ref:	Internal 1	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	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	12.3	

Structural Peak Grade	0	Operational Grade	0	DRB Grade	A
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Position	Code	Description	CD	Pic	Video Ref	
00.0	MH	Start node type, manhole		3_0	0:00:00	
00.0	WL	Water level 0%		3_1	0:00:00	
12.3	MHF	Finish node type, manhole		3_9		





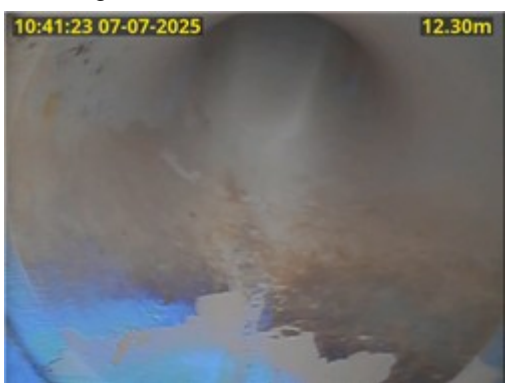
Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images
Section 5

Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	MH		Start node type, manhole, reference F2.2 F2.2	<p>Image Provided - Ref: 3_0</p> 
00.0m	0:00:00	WL		Water level: 0% Height/Diameter	<p>Image Provided - Ref: 3_1</p> 
12.3m		MHF		Finish node type, manhole, reference Internal 1 Reached SVP Kitchen	<p>Image Provided - Ref: 3_9999</p> 

Total Defects for section



DRB Grade for Section



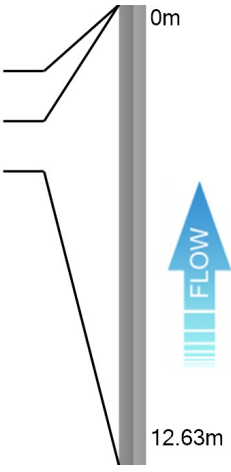
Site: Besr Green Plot 2 - Bears Lane , Great Chart, Bethersden, Ashford

Section 6




Client: Clarus Homes	Location (Street Name): Besr Green Plot 2 - Bears Lane	City/Town/Village Great Chart, Bethersden, Ashford	Cust Job Ref.	Surveyors Name:	Date: 10/07/2025
Start Node Ref: Start Node Depth: Start Node Coordinate:	F2.2 0.00	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	Internal 2 0.00	Direction: Use: Material:	U F VC Height/Dia: 100 Shape: C Cleaned: N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	12.63	

Structural Peak Grade	0	Operational Grade	0	DRB Grade	A
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Position	Code	Description	CD	Pic	Video Ref	
00.0	MH	Start node type, manhole		4_0	0:00:00	
00.0	WL	Water level 0%		4_1	0:00:00	
12.6	BRF	Finish node type, major connection without manhole		4_9		

Descriptive Report with Remarks and Observation Images
Section 6

Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	MH		Start node type, manhole, reference F2.2 F2.2	<p>Image Provided - Ref: 4_0</p> 
00.0m	0:00:00	WL		Water level: 0% Height/Diameter	<p>Image Provided - Ref: 4_1</p> 
12.6m		BRF		Finish node type, major connection without manhole, reference Internal 2 Reached SVP Utility	<p>Image Provided - Ref: 4_9999</p> 

Total Defects for section



DRB Grade for Section



Site: Besr Green Plot 2 - Bears Lane , Great Chart, Bethersden, Ashford

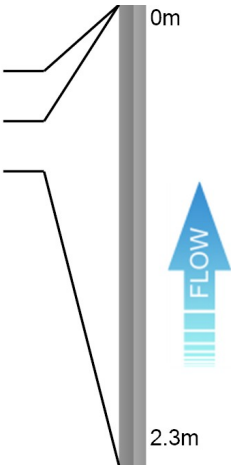
Section 7

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Clarus Homes	Besr Green Plot 2 - Bears Lane	Great Chart, Bethersden, Ashford			10/07/2025




Start Node Ref:	F2.3	Finish Node Ref:	Internal 3	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	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	2.3	

Structural Peak Grade	0	Operational Grade	0	DRB Grade	A
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Position	Code	Description	CD	Pic	Video Ref	
00.0	MH	Start node type, manhole		5_0	0:00:00	
00.0	WL	Water level 0%		5_1	0:00:00	
02.3	MHF	Finish node type, manhole		5_9		

Descriptive Report with Remarks and Observation Images
Section 7

Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	MH		Start node type, manhole, reference F2.3 F2.3	<p>Image Provided - Ref: 5_0</p> 
00.0m	0:00:00	WL		Water level: 0% Height/Diameter	<p>Image Provided - Ref: 5_1</p> 
02.3m		MHF		Finish node type, manhole, reference Internal 3 Internal 3 - Capped off	<p>Image Provided - Ref: 5_9999</p> 

Total Defects for section

0 0 0 0 0

DRB Grade for Section



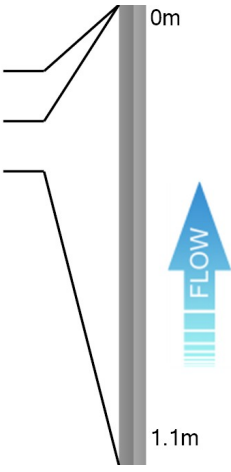
Site: Besr Green Plot 2 - Bears Lane , Great Chart, Bethersden, Ashford
 Section 8

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Clarus Homes	Besr Green Plot 2 - Bears Lane	Great Chart, Bethersden, Ashford			10/07/2025


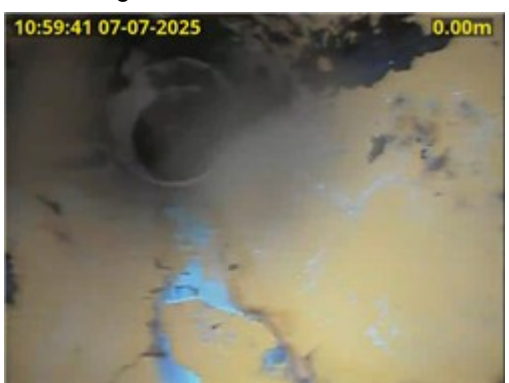
Start Node Ref:	F2.3	Finish Node Ref:	Internal 4 / WC	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	1.1	

Structural Peak Grade	0	Operational Grade	0	DRB Grade	A
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Position	Code	Description	CD	Pic	Video Ref	
00.0	MH	Start node type, manhole		6_0	0:00:00	
00.0	WL	Water level 0%		6_1	0:00:00	
01.1	MHF	Finish node type, manhole		6_9		

Descriptive Report with Remarks and Observation Images
Section 8

Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	MH		Start node type, manhole, reference F2.3 F2.3	<p>Image Provided - Ref: 6_0</p> 
00.0m	0:00:00	WL		Water level: 0% Height/Diameter	<p>Image Provided - Ref: 6_1</p> 
01.1m		MHF		Finish node type, manhole, reference Internal 4 / WC Reached WC	<p>Image Provided - Ref: 6_9999</p> 