



Project Information

Job Number
512806

Surveyed by (Operator)
MARTIN NEWMAN

Base Unit
N52RBEG27

Date
11/04/2018

Client Details:

ADCMS LIMITED

Client Contact Name: Andrew De Croos
Client Contact Tel: 01452 309727

Site Details:

RELIANCE HOUSE
LONG STREET
DURSLEY
GL11 4HR

Contractor Details:

Metro Rod (Bristol)
Unit 5 Dunkirk Business Park
Southwick
Trowbridge
Wiltshire
BA14 9NL

Office Contact Name: Gareth Newport
Office Contact Number: 01225 344511

Purpose of Survey:

CCTV SURVEY

Contents Page

Job Number 512806	Surveyed by (Operator) MARTIN NEWMAN	Base Unit N52RBEYG27	Date 11/04/2018
-----------------------------	--	--------------------------------	---------------------------

Report Contents

Page 1	Job Overview
Page 2	Contents Page
Page 4	Run List
Page 5	Site Drawings
Page 6	Survey Run Sheet(Survey 1 - MHF1 to CONNECTION)
Page 7	Survey Run Sheet(Survey 2 - MHC1 to MHC2 INTERNAL NO ACCESS)
Page 8	Survey Run Sheet(Survey 3 - MHC5 to MHC4)
Page 10	Survey Run Sheet(Survey 4 - MHC1 to MHC4)
Page 12	Survey Run Sheet(Survey 5 - MHC5 to RWP2 START OF LINE)
Page 14	Survey Run Sheet(Survey 6 - MHC5 BR A to RWP3)
Page 16	Survey Run Sheet(Survey 7 - MHC6 BR A to RWP4)
Page 17	Survey Run Sheet(Survey 8 - MHC6 to RWP6)
Page 18	Survey Run Sheet(Survey 9 - MHC6 BR B to SOURCE C6 BR B)
Page 19	Survey Run Sheet(Survey 10 - MHC6 BR C to RWP7)
Page 20	Survey Run Sheet(Survey 11 - MHC6 BR D to GULLY NOT KNOWN)
Page 22	Survey Run Sheet(Survey 12 - MHC6 to MHC7)
Page 24	Survey Run Sheet(Survey 13 - MHC8 to SOURCE C7 UP)
Page 25	Survey Run Sheet(Survey 14 - MHC8 BR B to SOURCE C8 BR B)

Contents Page

Job Number 512806	Surveyed by (Operator) MARTIN NEWMAN	Base Unit N52RBEG27	Date 11/04/2018
-----------------------------	--	-------------------------------	---------------------------

Report Contents

Page 27	Survey Run Sheet(Survey 15 - MHC8 BR A to SOURCE C8 BR A)
Page 28	Survey Run Sheet(Survey 16 - MHC8 to MHC2 INTERNAL)
Page 30	Survey Run Sheet(Survey 17 - MHC4 OFF PROPERTY to SOURCE C4 DOWN)
Page 31	Job Summary
Page 34	Defect Summary

Main Sections

Job Number 512806	Surveyed by (Operator) MARTIN NEWMAN	Base Unit N52RBEYG27	Date 11/04/2018
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No.	US MH	DS MH	Date	Road	Material	m
1	MHF1	CONNECTION	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	11.1
2	MHC2 INTERNAL NO ACCESS	MHC1	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	14.93
3	MHC5	MHC4	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	18.98
4	MHC1	MHC4	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	18.6
5	RWP2 START OF LINE	MHC5	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	26.18
6	RWP3	MHC5 BR A	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	6.55
7	RWP4	MHC6 BR A	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	2.34
8	RWP6	MHC6	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	10.1
9	SOURCE C6 BR B	MHC6 BR B	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	0.23
10	RWP7	MHC6 BR C	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	1.47
11	GULLY NOT KNOWN	MHC6 BR D	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	0.82
12	MHC6	MHC7	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	21.58
13	SOURCE C7 UP	MHC8	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	2.55
14	SOURCE C8 BR B	MHC8 BR B	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	1.89
15	SOURCE C8 BR A	MHC8 BR A	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	0.85
16	MHC8	MHC2 INTERNAL	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	11.88
17	MHC4 OFF PROPERTY	SOURCE C4 DOWN	11/04/2018	RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR	Vitrified clay	36.72

Pipe size: 225 = 100.33m

Pipe size: 100 = 64.86m

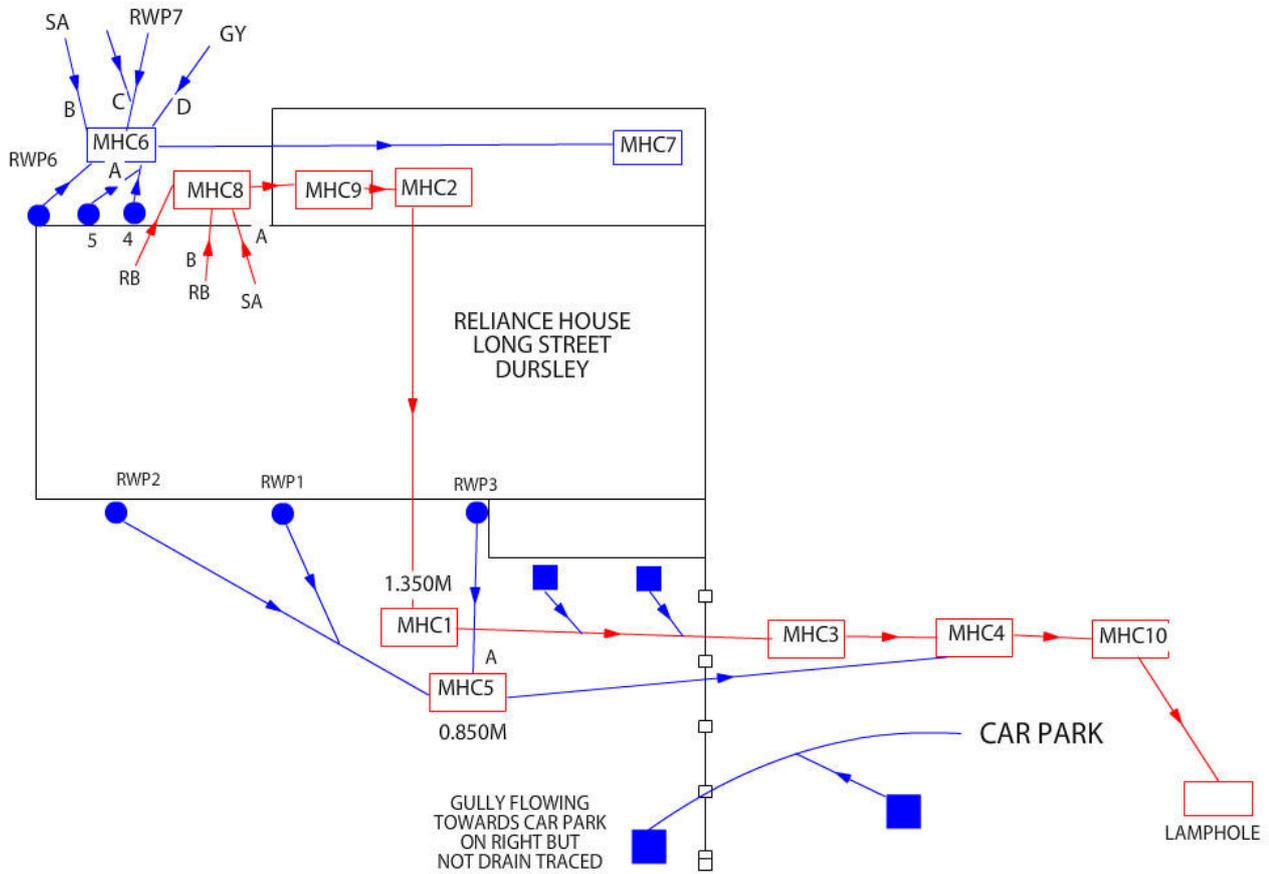
Pipe size: 150 = 21.58m

All sections = 186.77m

Site Drawings/Photos

Job Number 512806	Surveyed by (Operator) MARTIN NEWMAN	Base Unit N52RBEYG27	Date 11/04/2018
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This sketch is not to scale and does not represent the exact routing of the drainage system



CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) MHF1 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/0	Base Unit N52RBEYG27	Section Number 1

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Tarmac Code List Drain and Sewer Codes (5th Edition) Location Details
--	--

Shape/Size 225mm Material Vitrified clay Duty Foul	Start MH MHF1 End MH CONNECTION Total length 11.1 metres
---	---

Scale 1:0.58 Direction Downstream
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M/H Ref:MHF1 | I/L : metres | M/H Depth: 1.350 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHF1	2473209	Comment / 0
0.00	WL	Water level 5% height/diameter	2473211	Comment / 0
10.70	WL	Water level 10% height/diameter	2490967	Comment / 0
10.98	SA	Survey abandoned - Remark: UNABLE TO PASS DEBRIS	2473225	Comment / 0
11.10	CN	Connection other than junction at 9 o'clock, diameter 150mm	2473217	Comment / 0

M/H Ref:CONNECTION | I/L : metres

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) MHC2 INTERX	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/0	Base Unit N52RBEYG27	Section Number 2

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Tarmac Code List Drain and Sewer Codes (5th Edition) Location Details
--	--

Shape/Size 225mm Material Vitrified clay Duty Combined	Start MH MHC1 End MH MHC2 INTERNAL NO ACCESS Total length 14.93 metres
---	---

Scale **1:0.73**
 Direction **Upstream**

M/H Ref:MHC1 | I/L : metres | M/H Depth: 1.350 metres



M/H Ref:MHC2 INTERNAL NO ACCESS | I/L : metres

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) MHC5 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/3	Base Unit N52RBEYG27	Section Number 3

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Tarmac Code List Drain and Sewer Codes (5th Edition) Location Details
--	--

Shape/Size 225mm Material Vitrified clay Duty Combined	Start MH MHC5 End MH MHC4 Total length 18.98 metres
---	--

Scale 1:0.94 Direction Downstream
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M/H Ref:MHC5 | I/L : metres | M/H Depth: 0.850 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC5	2473329	Comment / 0
0.00	WL	Water level 5% height/diameter	2473330	Comment / 0
1.52	CN	Connection other than junction at 9 o'clock, diameter 150mm	2473337	Comment / 0
4.81	CN	Connection other than junction at 9 o'clock, diameter 150mm	2473339	Comment / 0
10.65	CN	Connection other than junction at 9 o'clock, diameter 150mm	2473387	Comment / 0
13.09	CN	Connection other than junction at 10 o'clock, diameter 150mm	2473394	Comment / 0
13.09	CMJ	Cracks multiple from 10 to 12 o'clock at joint	2492290	Structural / 3
15.38	LL	Line of drain/sewer deviates left	2492293	Comment / 0
18.98	MHF	Finish node type, manhole, reference ENTERING MHC4 OFF PROPERTY IN CAR PARK	2473413	Comment / 0

M/H Ref:MHC4 | I/L : metres

CCTV Inspection Photos

Job Number
512806

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Base Unit
N52RBEYG27

Date
11/04/2018



Cracks multiple from 10 to 12 o'clock at joint

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) MHC1 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 3/0	Base Unit N52RBEYG27	Section Number 4

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Tarmac Code List Drain and Sewer Codes (5th Edition) Location Details
--	--

Shape/Size 225mm Material Vitrified clay Duty Combined	Start MH MHC1 End MH MHC4 Total length 18.6 metres
---	---

Scale 1:0.94 Direction Downstream
--

M/H Ref:MHC1 | I/L : metres | M/H Depth: 1.350 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC1	2473514	Comment / 0
0.00	WL	Water level 0% height/diameter	2473516	Comment / 0
10.53	WL	Water level 5% height/diameter	2492332	Comment / 0
11.10	CN	Connection other than junction at 9 o'clock, diameter 150mm	2473517	Comment / 0
11.10	DER	Settled deposits coarse 10% cross-sectional area loss	2492335	Service / 3
12.25	REM	ENTERING BURIED MHC3 OFF PROPERTY	2473529	Comment / 0
17.56	LR	Line of drain/sewer deviates right	2492336	Comment / 0
18.60	MHF	Finish node type, manhole, reference ENTERING MHC4 OFF PROPERTY	2473535	Comment / 0

M/H Ref:MHC4 | I/L : metres

CCTV Inspection Photos

Job Number
512806

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Base Unit
N52RBEG27

Date
11/04/2018



Settled deposits coarse 10% cross-sectional area loss

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) RWP2 STARTX	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 2/0	Base Unit N52RBEYG27	Section Number 5

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Tarmac Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC5 End MH RWP2 START OF LINE Total length 26.18 metres
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Scale **1:1.36**
 Direction **Upstream**

M/H Ref:MHC5 | I/L : metres | M/H Depth: 0.850 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC5	2473552	Comment / 0
0.00	WL	Water level 0% height/diameter	2473556	Comment / 0
7.35	CN	Connection other than junction at 3 o'clock, diameter 100mm	2473558	Comment / 0
7.35	REM	CONNECTION SERVING RWP	2473559	Comment / 0
7.35	REM	CONNECTION SERVING RWP1	2473695	Comment / 0
23.43	RF	Roots fine	2492375	Service / 2
26.18	GYF	Finish node type, gully, reference GULLY SERVING RWP START OF LINE	2473610	Comment / 0
26.18	REM	RWP2	2473696	Comment / 0

M/H Ref:RWP2 START OF LINE | I/L : metres

CCTV Inspection Photos

Job Number
512806

Surveyed by (Operator)
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Base Unit
N52RBEYG27

Date
11/04/2018



Roots fine

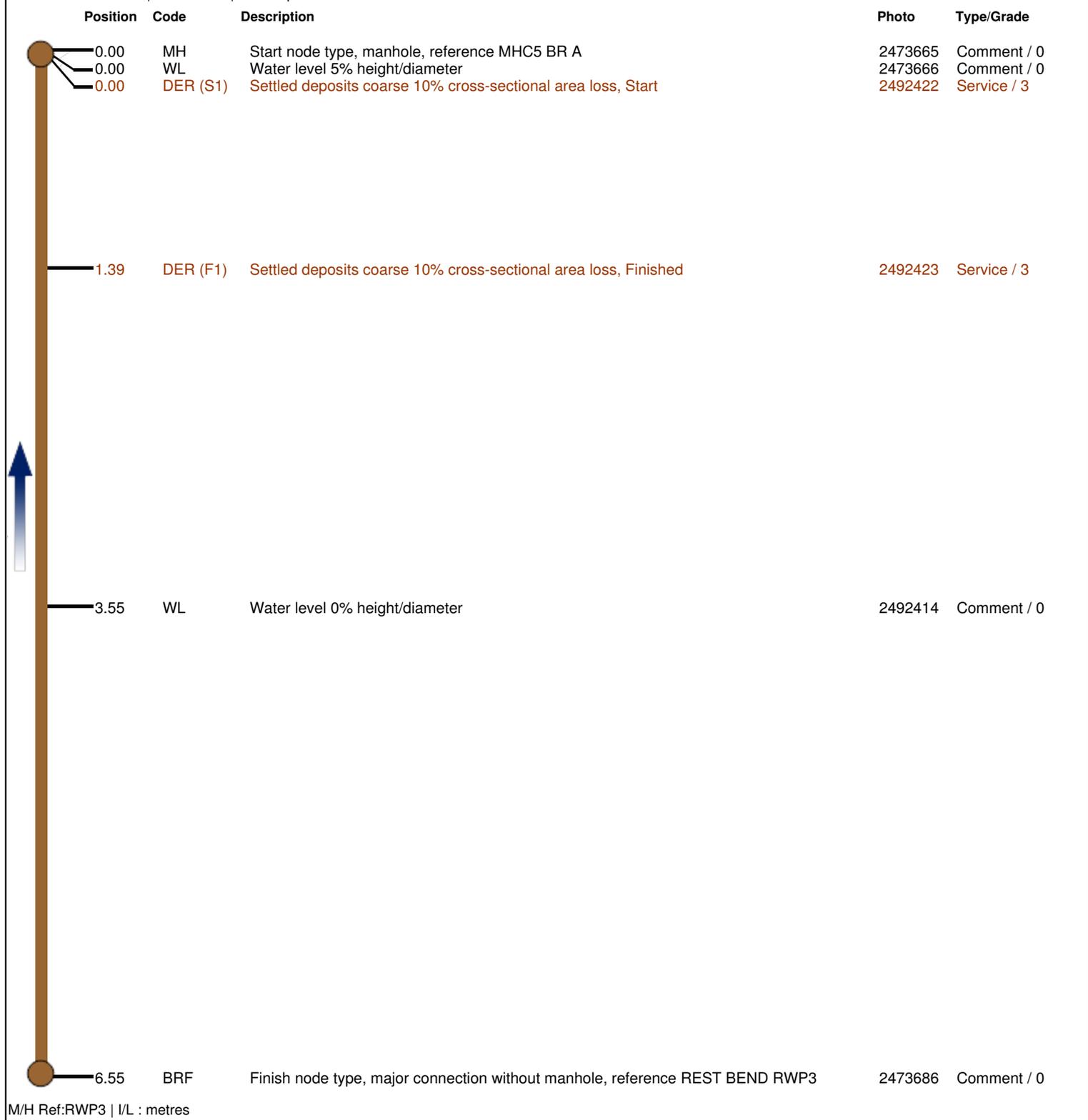
Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) RWP3 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 3/0	Base Unit N52RBEYG27	Section Number 6

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Tarmac Code List Drain and Sewer Codes (5th Edition) Location Details
--	--

Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC5 BR A End MH RWP3 Total length 6.55 metres
---	--

Scale **1:0.31**
Direction **Upstream**

M/H Ref:MHC5 BR A | I/L : metres | M/H Depth: 0.850 metres



M/H Ref:RWP3 | I/L : metres

CCTV Inspection Photos

Job Number
512806

Surveyed by (Operator)
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Base Unit
N52RBEYG27

Date
11/04/2018



Settled deposits coarse 10% cross-sectional area loss, Start



Settled deposits coarse 10% cross-sectional area loss, Finished

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) RWP4 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/0	Base Unit N52RBEYG27	Section Number 7

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC6 BR A End MH RWP4 Total length 2.34 metres
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Scale **1:0.10**
Direction **Upstream**

M/H Ref:MHC6 BR A | I/L : metres | M/H Depth: 0.6 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC6 BR A	2474273	Comment / 0
0.00	WL	Water level 0% height/diameter	2474274	Comment / 0
0.88	CN	Connection other than junction at 3 o'clock, diameter 100mm	2474275	Comment / 0
0.88	REM	CONNECTION SERVING RWP5	2474276	Comment / 0
2.34	BRF	Finish node type, major connection without manhole, reference REST BEND SERVING RWP4	2474279	Comment / 0

M/H Ref:RWP4 | I/L : metres

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) RWP6 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/0	Base Unit N52RBEYG27	Section Number 8

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC6 End MH RWP6 Total length 10.1 metres
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Scale **1:0.52**
 Direction **Upstream**

M/H Ref:MHC6 | I/L : metres | M/H Depth: 0.6 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC6	2474281	Comment / 0
0.00	WL	Water level 0% height/diameter	2474282	Comment / 0
10.10	BRF	Finish node type, major connection without manhole, reference REST BEND SERVING RWP6	2474312	Comment / 0

M/H Ref:RWP6 | I/L : metres

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) SOURCE C6 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/0	Base Unit N52RBEYG27	Section Number 9

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC6 BR B End MH SOURCE C6 BR B Total length 0.23 metres
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Scale 1:0.00 Direction Upstream
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M/H Ref:MHC6 BR B | I/L : metres | M/H Depth: 0.6 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC6 BR B	2474346	Comment / 0
0.00	WL	Water level 5% height/diameter	2474347	Comment / 0
0.23	SA	Survey abandoned - Remark: MASS DEBRIS	2474357	Comment / 0

M/H Ref:SOURCE C6 BR B | I/L : metres

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) RWP7 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/0	Base Unit N52RBEYG27	Section Number 10

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
--	--

Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC6 BR C End MH RWP7 Total length 1.47 metres
---	--

Scale **1:0.05**
Direction **Upstream**

M/H Ref:MHC6 BR C | I/L : metres | M/H Depth: 0.6 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC6 BR C	2474359	Comment / 0
0.00	WL	Water level 0% height/diameter	2474360	Comment / 0
0.62	LD	Line of drain/sewer deviates down	2492562	Comment / 0
1.47	BRF	Finish node type, major connection without manhole, reference REST BEND RWP7	2474361	Comment / 0

M/H Ref:RWP7 | I/L : metres

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) GULLY NOT X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 2/0	Base Unit N52RBEYG27	Section Number 11

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC6 BR D End MH GULLY NOT KNOWN Total length 0.82 metres
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Scale 1:0.00 Direction Upstream
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M/H Ref:MHC6 BR D | I/L : metres | M/H Depth: 0.6 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC6 BR D	2474362	Comment / 0
0.00	WL	Water level 0% height/diameter	2474363	Comment / 0
0.00	CN	Connection other than junction at 3 o'clock, diameter 100mm	2474374	Comment / 0
0.00	RF	Roots fine	2492564	Service / 2
0.82	GYF	Finish node type, gully, reference GULLY NOT KNOWN	2474375	Comment / 0

M/H Ref:GULLY NOT KNOWN | I/L : metres

CCTV Inspection Photos

Job Number
512806

Surveyed by (Operator)
MARTIN NEWMAN

Base Unit
N52RBEYG27

Date
11/04/2018



Roots fine

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) MHC6 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 3/0	Base Unit N52RBEYG27	Section Number 12

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
--	--

Shape/Size 150mm Material Vitrified clay Duty Combined	Start MH MHC6 End MH MHC7 Total length 21.58 metres
---	--

Scale **1:1.10**
 Direction **Downstream**

M/H Ref:MHC6 | I/L : metres | M/H Depth: 0.6 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC6	2474395	Comment / 0
0.00	WL	Water level 5% height/diameter	2474397	Comment / 0
0.00	CN	Connection other than junction at 3 o'clock, diameter 150mm	2474398	Comment / 0
2.89	DER (S1)	Settled deposits coarse 10% cross-sectional area loss, Start	2493416	Service / 3
7.84	DER (F1)	Settled deposits coarse 10% cross-sectional area loss, Finished	2493418	Service / 3
21.58	MHF	Finish node type, manhole, reference ENTERING MHC7	2474403	Comment / 0

M/H Ref:MHC7 | I/L : metres

CCTV Inspection Photos

Job Number
512806

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Base Unit
N52RBEYG27

Date
11/04/2018



Settled deposits coarse 10% cross-sectional area loss, Start



Settled deposits coarse 10% cross-sectional area loss, Finished

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) SOURCE C7 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/0	Base Unit N52RBEYG27	Section Number 13

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC8 End MH SOURCE C7 UP Total length 2.55 metres
---	---

Scale **1:0.10**
 Direction **Upstream**

M/H Ref:MHC8 | I/L : metres | M/H Depth: 0.7 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC8	2474428	Comment / 0
0.00	WL	Water level 0% height/diameter	2474429	Comment / 0
0.00	LL	Line of drain/sewer deviates left	2493424	Comment / 0
2.55	BRF	Finish node type, major connection without manhole, reference REST BEND	2474430	Comment / 0

M/H Ref:SOURCE C7 UP | I/L : metres

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) SOURCE C8 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 2/0	Base Unit N52RBEYG27	Section Number 14

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
--	--

Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC8 BR B End MH SOURCE C8 BR B Total length 1.89 metres
---	--

Scale 1:0.05 Direction Upstream
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M/H Ref:MHC8 BR B | I/L : metres | M/H Depth: 0.7 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC8 BR B	2474438	Comment / 0
0.00	WL	Water level 0% height/diameter	2474439	Comment / 0
0.00	RF (S1)	Roots fine, Start	2493428	Service / 2
1.88	RF (F1)	Roots fine, Finished	2493430	Service / 2
1.89	BRF	Finish node type, major connection without manhole, reference REST BEND	2474442	Comment / 0

M/H Ref:SOURCE C8 BR B | I/L : metres

CCTV Inspection Photos

Job Number
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Base Unit
N52RBEYG27

Date
11/04/2018



Roots fine, Start



Roots fine, Finished

CCTV Inspection Report

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Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/0	Base Unit N52RBEYG27	Section Number 15

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC8 BR A End MH SOURCE C8 BR A Total length 0.85 metres
---	--

Scale **1:0.00**
 Direction **Upstream**

M/H Ref:MHC8 BR A | I/L : metres | M/H Depth: 0.7 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC8 BR A	2474459	Comment / 0
0.00	WL	Water level 0% height/diameter	2474460	Comment / 0
0.85	SA	Survey abandoned - Remark: MASS DEBRIS	2474464	Comment / 0

M/H Ref:SOURCE C8 BR A | I/L : metres

CCTV Inspection Report

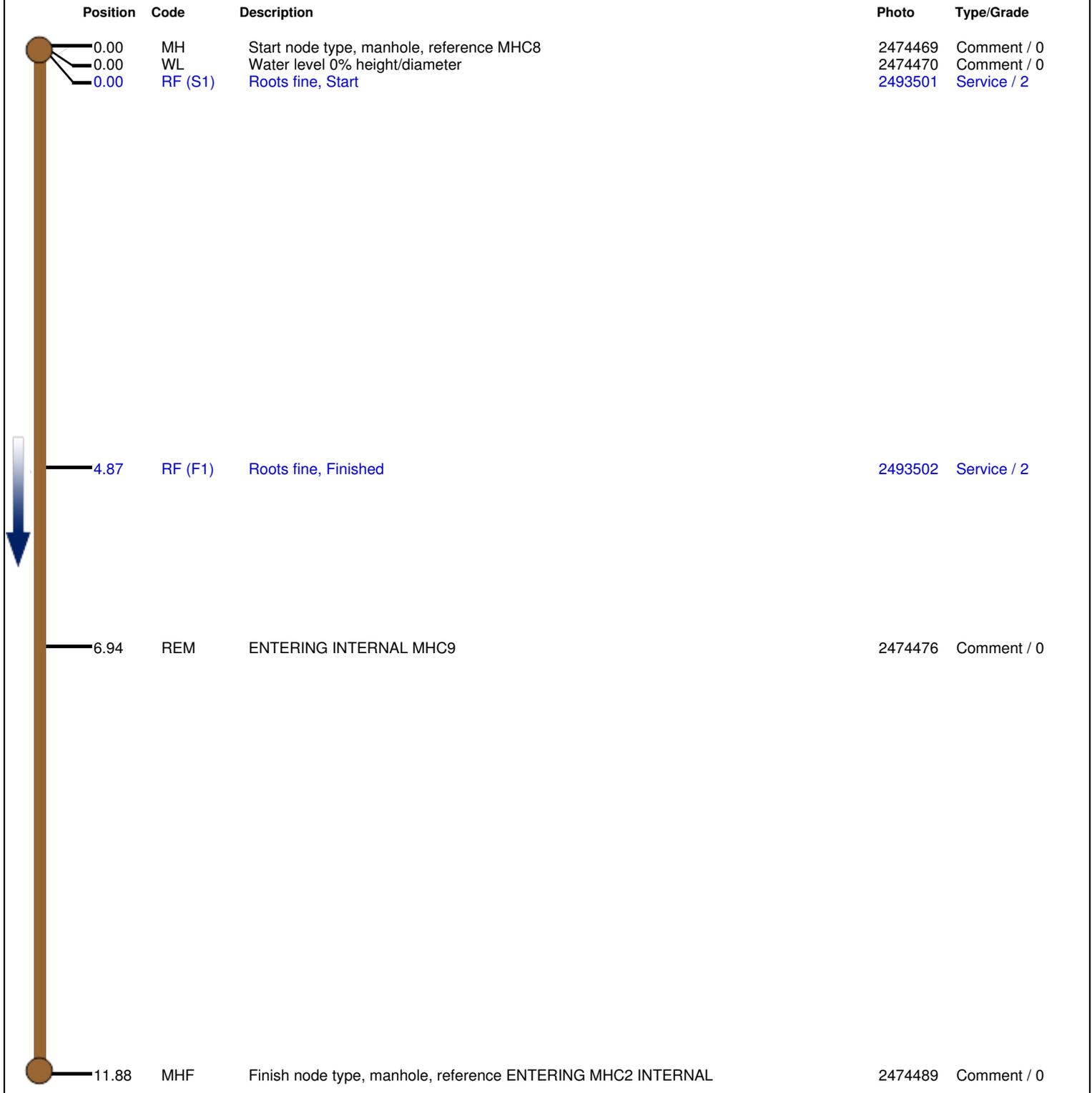
Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) MHC8 X	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 2/0	Base Unit N52RBEYG27	Section Number 16

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Concrete Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 100mm Material Vitrified clay Duty Combined	Start MH MHC8 End MH MHC2 INTERNAL Total length 11.88 metres
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Scale **1:0.58**
 Direction **Downstream**

M/H Ref:MHC8 | I/L : metres | M/H Depth: 0.7 metres



M/H Ref:MHC2 INTERNAL | I/L : metres

CCTV Inspection Photos

Job Number
512806

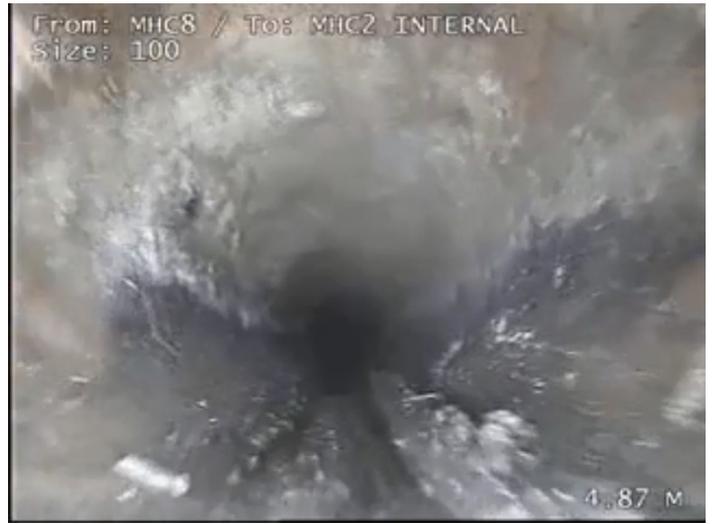
Surveyed by (Operator)
MARTIN NEWMAN

Base Unit
N52RBEYG27

Date
11/04/2018



Roots fine, Start



Roots fine, Finished

CCTV Inspection Report

Surveyed by (Operator) MARTIN NEWMAN	Job Number 512806	Pipe Length Reference(PLR) MHC4 OFF PX	Date 11/04/2018	Pre Cleaned Not Cleaned
Weather 3 - Light Rain	Customer Present	Service Grade/Structural Grade 0/0	Base Unit N52RBEYG27	Section Number 17

Road RELIANCE HOUSE LONG STREET DURSLEY GL11 4HR Place Location	Ground Surface Tarmac Code List Drain and Sewer Codes (5th Edition) Location Details
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Shape/Size 225mm Material Vitrified clay Duty Combined	Start MH MHC4 OFF PROPERTY End MH SOURCE C4 DOWN Total length 36.72 metres
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Scale **1:1.89**
Direction **Downstream**

M/H Ref:MHC4 OFF PROPERTY | I/L : metres | M/H Depth: 1.150 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference MHC4 OFF PROPERTY	2474671	Comment / 0
0.00	WL	Water level 5% height/diameter	2474672	Comment / 0
0.00	REM	MANHOLE IN CAR PARK BEYOND FENCE LINE OF BUILDING	2474673	Comment / 0
0.49	CN	Connection other than junction at 12 o'clock, diameter 100mm	2474674	Comment / 0
10.22	CN	Connection other than junction at 1 o'clock, diameter 100mm	2474677	Comment / 0
20.73	REM	ENTERING MHC10 IN CAR PARK UNDER CAR	2474681	Comment / 0
20.73	LR	Line of drain/sewer deviates right	2493509	Comment / 0
23.83	CN	Connection other than junction at 11 o'clock, diameter 150mm	2474682	Comment / 0
36.72	LHF	Finish node type, lamphole, reference MAIN LAMPHOLE DROP DOWN INTO MAIN SEWER	2474689	Comment / 0

M/H Ref:SOURCE C4 DOWN | I/L : metres

Report Summary

Job Number 512806	Surveyed by (Operator) MARTIN NEWMAN	Base Unit N52RBEYG27	Date 11/04/2018
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Job Information

Total Distance Surveyed: **186.77 metres**
 Engineer: **MARTIN NEWMAN**
 Number of Surveys: **17**
 Number of Surveys grade 4 or above: **0**

Job Comments

RECOMMEND 4 HOURS 2 MEN WITH WARTHOG TO FURTHER HPWJ GULLY IN BOTTOM OF CAR PARK WITH SONAR TRACE AND CCTV TO GIVE ACCURATE POSITION AND LINE OF PIPEWORK .

Section 1 Overview (11/04/2018)

Manholes: **MHF1 to CONNECTION**
 Pipe Length: **11.1 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Vitrified clay**
 Pipe Size: **225mm**
 Use: **Foul**

Section 2 Overview (11/04/2018)

Manholes: **MHC1 to MHC2 INTERNAL**
NO ACCESS
 Pipe Length: **14.93 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Vitrified clay**
 Pipe Size: **225mm**
 Use: **Combined**

Section 3 Overview (11/04/2018)

Manholes: **MHC5 to MHC4**
 Pipe Length: **18.98 metres**
 Structural Grade: **3**
 Service Grade: **0**
 Material: **Vitrified clay**
 Pipe Size: **225mm**
 Use: **Combined**

Section 4 Overview (11/04/2018)

Manholes: **MHC1 to MHC4**
 Pipe Length: **18.6 metres**
 Structural Grade: **0**
 Service Grade: **3**
 Material: **Vitrified clay**
 Pipe Size: **225mm**
 Use: **Combined**

Section 5 Overview (11/04/2018)

Manholes: **MHC5 to RWP2 START OF**
LINE
 Pipe Length: **26.18 metres**
 Structural Grade: **0**
 Service Grade: **2**
 Material: **Vitrified clay**
 Pipe Size: **100mm**
 Use: **Combined**

Report Summary

Job Number 512806	Surveyed by (Operator) MARTIN NEWMAN	Base Unit N52RBEG27	Date 11/04/2018
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Section 6 Overview (11/04/2018)

Manholes: **MHC5 BR A to RWP3**
 Pipe Length: **6.55 metres**
 Structural Grade: **0**
 Service Grade: **3**
 Material: **Vitrified clay**
 Pipe Size: **100mm**
 Use: **Combined**

Section 7 Overview (11/04/2018)

Manholes: **MHC6 BR A to RWP4**
 Pipe Length: **2.34 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Vitrified clay**
 Pipe Size: **100mm**
 Use: **Combined**

Section 8 Overview (11/04/2018)

Manholes: **MHC6 to RWP6**
 Pipe Length: **10.1 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Vitrified clay**
 Pipe Size: **100mm**
 Use: **Combined**

Section 9 Overview (11/04/2018)

Manholes: **MHC6 BR B to SOURCE
 C6 BR B**
 Pipe Length: **0.23 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Vitrified clay**
 Pipe Size: **100mm**
 Use: **Combined**

Section 10 Overview (11/04/2018)

Manholes: **MHC6 BR C to RWP7**
 Pipe Length: **1.47 metres**
 Structural Grade: **0**
 Service Grade: **0**
 Material: **Vitrified clay**
 Pipe Size: **100mm**
 Use: **Combined**

Section 11 Overview (11/04/2018)

Manholes: **MHC6 BR D to GULLY
 NOT KNOWN**
 Pipe Length: **0.82 metres**
 Structural Grade: **0**
 Service Grade: **2**
 Material: **Vitrified clay**
 Pipe Size: **100mm**
 Use: **Combined**

Report Summary

Job Number
512806

Surveyed by (Operator)
MARTIN NEWMAN

Base Unit
N52RBEG27

Date
11/04/2018

Section 12 Overview (11/04/2018)

Manholes: **MHC6 to MHC7**
Pipe Length: **21.58 metres**
Structural Grade: **0**
Service Grade: **3**
Material: **Vitrified clay**
Pipe Size: **150mm**
Use: **Combined**

Section 13 Overview (11/04/2018)

Manholes: **MHC8 to SOURCE C7 UP**
Pipe Length: **2.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Vitrified clay**
Pipe Size: **100mm**
Use: **Combined**

Section 14 Overview (11/04/2018)

Manholes: **MHC8 BR B to SOURCE C8 BR B**
Pipe Length: **1.89 metres**
Structural Grade: **0**
Service Grade: **2**
Material: **Vitrified clay**
Pipe Size: **100mm**
Use: **Combined**

Section 15 Overview (11/04/2018)

Manholes: **MHC8 BR A to SOURCE C8 BR A**
Pipe Length: **0.85 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Vitrified clay**
Pipe Size: **100mm**
Use: **Combined**

Section 16 Overview (11/04/2018)

Manholes: **MHC8 to MHC2 INTERNAL**
Pipe Length: **11.88 metres**
Structural Grade: **0**
Service Grade: **2**
Material: **Vitrified clay**
Pipe Size: **100mm**
Use: **Combined**

Section 17 Overview (11/04/2018)

Manholes: **MHC4 OFF PROPERTY to SOURCE C4 DOWN**
Pipe Length: **36.72 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Vitrified clay**
Pipe Size: **225mm**
Use: **Combined**

Grade 3,4 & 5 Summary

Job Number 512806	Surveyed by (Operator) MARTIN NEWMAN	Base Unit N52RBEYG27	Date 11/04/2018
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STRUCTURAL DEFECTS

Grade 3; Best practice suggests consideration to be given to repair in the medium term.

Grade 4; Best practice suggests consideration to be given to repair to avoid potential collapse.

Grade 5; Best practice suggests this pipe is at risk of collapse at any time; urgent consideration should be given to repair to avoid collapse.

Structural Defects			
Section	PLR	Grade	Fault Description
3	MHC5 X	3	Cracks multiple from 10 to 12 o'clock at joint

SERVICE / OPERATIONAL DEFECTS

Grade 3; Best practice suggests consideration to be given to maintenance activities in the medium term.

Grade 4; Best practice suggests consideration to be given to maintenance to avoid potential blockage.

Grade 5; Best practice suggests this pipe is at risk of backing up / causing flooding.

Service Defects			
Section	PLR	Grade	Fault Description
4	MHC1 X	3	Settled deposits coarse 10% cross-sectional area loss
6	RWP3 X	3	Settled deposits coarse 10% cross-sectional area loss, Start
			Settled deposits coarse 10% cross-sectional area loss, Finished
12	MHC6 X	3	Settled deposits coarse 10% cross-sectional area loss, Start
			Settled deposits coarse 10% cross-sectional area loss, Finished

ABANDONED SURVEYS

Camera no access		
Section	PLR	Fault Description
1	MHF1 X	Survey abandoned - Remark: UNABLE TO PASS DEBRIS
9	SOURCE C6 X	Survey abandoned - Remark: MASS DEBRIS
15	SOURCE C8 X	Survey abandoned - Remark: MASS DEBRIS

INFORMATION

These summaries are based on the SRM grading from the WRC