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Scoring Summary

Project Name :
Drummand ST CCTV

Project Number :

Date :
26/04/2017

Structural Defects

Section	Pipe Ref	Grade	Description
Acceptable Structural Condition			

Grade 3: Best practice suggests consideration should be given to repairs in the medium term.

Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.

Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure

Service / Operational Defects

Section	Pipe Ref	Grade	Description
Acceptable Service / Operational Condition			

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

Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.

Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Abandoned Surveys

Section	Pipe Ref	Description
3	MH.OUT OF AREAX	Survey abandoned CANT PASS DEBRIS
6	SVP1X	Survey abandoned LOSS OF VISION BLOCKED

Information

These summaries are based on the SRM grading from the WRC.



Project Information

Project Name
Drummand ST CCTV

Client's ref :
01

Date:
26/04/2017

Description WinCan Import in Miraculix WRc4 Standard

Client

Company or Site Name: Plat-form
Contact: Graeme Little
Department:
Street:
Town or City:
Phone:
Fax:
Mobile: 07435974233
Email: graeme@plat-form.co.uk

Site

Company or Site Name: SGA Consulting Ltd
Contact: DAVID AU-YEONG
Department:
Street: Drummand ST
Town or City: London
Phone: 020 7100 7197
Fax:
Mobile: 07984 802 241
Email:

Contractor

Company or Site Name: CadMap Studio
Contact: Simon Cheeseman
Department: Utilities
Street: Building 131, Dunsfold Park, Dunsfold Aerodrome
Town or City: Dunsfold, Surrey, GU6 8TB
Phone: 0208 1111220
Fax:
Mobile:
Email: simon@cadmapstudio.co.uk



Section Profile

Project Name
Drummand ST CCTV

Project Number:

Date:
26/04/2017

Sectio No.	Upstream Node	Downstream Node	Date	Road	Pipe Material	Expected Length [m]	Inspected Length [m]
7	SVP2	MH3.A	20/04/2017	DRUMMOND ST	Vitrified clay pipe (i.e. all clayware)	6.03	6.03
8	BASEMENT MH1	0	20/04/2017	DRUMMOND ST	Vitrified clay pipe (i.e. all clayware)	0.63	0.63
9	BASEMENT MH2	0	20/04/2017	DRUMMOND ST	Vitrified clay pipe (i.e. all clayware)	0.84	0.84

3 x 100 = 7.50 Expected Length [m] (7.50 Inspected Length [m])

Sectio No.	Upstream Node	Downstream Node	Date	Road	Pipe Material	Expected Length [m]	Inspected Length [m]
1	MH1	MH2	20/04/2017	DRUMMOND ST	Vitrified clay pipe (i.e. all clayware)	8.93	8.93
2	MH.OUT OF AREA	MH1.A	20/04/2017	DRUMMOND ST	Vitrified clay pipe (i.e. all clayware)	14.99	14.99
4	MH.OUT OF AREA	MH1.U	20/04/2017	DRUMMOND ST	Vitrified clay pipe (i.e. all clayware)	6.91	6.91
5	MH3	MH2	20/04/2017	DRUMMOND ST	Vitrified clay pipe (i.e. all clayware)	5.63	5.63

4 x 150 = 36.46 Expected Length [m] (36.46 Inspected Length [m])

Total: 7 = 43.96 Expected Length [m] (43.96 Inspected Length [m])



Section Summary

Project Name
Drummand ST CCTV

Project Number:

Date:
26/04/2017

Number of sections	9
Total length of sewer network	52.72 m
Inspected length of sewer network	52.72 m
Not inspected length of sewer network	0.00 m
Total abandoned inspections	2
Number of section inspection photos	25
Number of section inspection videos	9
Number of section inspection scans	0
Number of section inclination measurements	0

Section Summary

Project Name Drummand ST CCTV	Project Number:	Date: 26/04/2017
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PLR MH1X Town or Village EUSTON Road DRUMMOND ST Expected Length [m] 8.9	Upstream Node MH1 Downstream Node MH2 0.0 Pipe Material Vitrified clay pipe (i.e. all clayware)
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	m+	Code	Observation
1	0.08	MH	Start node type, manhole reference number: MH1
2	0.14	WL	Water level 10 % of the vertical dimension CONSTANT FLOW
3	1.46	CUW	Loss of vision, camera under water
4	8.93	MHF	Finish node type, manhole reference number: MH2

PLR MH.OUT OF AREA Town or Village EUSTON Road DRUMMOND ST Expected Length [m] 15.0	Upstream Node MH.OUT OF AREA Downstream Node MH1.A 0.0 Pipe Material Vitrified clay pipe (i.e. all clayware)
--	---

	m+	Code	Observation
1	0.08	MH	Start node type, manhole reference number: MH1.A A
2	0.28	WL	Water level 20 % of the vertical dimension
3	1.30	CUW	Loss of vision, camera under water
4	3.75	SZ	Surface damage, other from 4 O'Clock to 6 O'Clock DAMAGE ON PIPE
5	5.00	CUW	Loss of vision, camera under water HOLDING WATER
6	8.23	WL	Water level 0 % of the vertical dimension
7	14.99	MHF	Finish node type, manhole reference number: MH.OUT OF AREA

PLR MH.OUT OF AREA Town or Village EUSTON Road DRUMMOND ST Expected Length [m] 6.9	Upstream Node MH.OUT OF AREA Downstream Node MH1.B 0.0 Pipe Material Vitrified clay pipe (i.e. all clayware)
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	m+	Code	Observation
1	0.06	MH	Start node type, manhole reference number: MH1.B B
2	0.06	WL	Water level 0 % of the vertical dimension
3	0.72	LL	Line deviates left
4	4.98	JN	Junction from 10 O'Clock diameter: 100 mm
5	6.19	SA	Survey abandoned CANT PASS DEBRIS
6	6.88	GP	General photograph taken at this point DEBRIS IN PIPE

PLR MH.OUT OF AREA Town or Village EUSTON Road DRUMMOND ST Expected Length [m] 6.9	Upstream Node MH.OUT OF AREA Downstream Node MH1.U 0.0 Pipe Material Vitrified clay pipe (i.e. all clayware)
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	m+	Code	Observation
1	0.03	MH	Start node type, manhole reference number: MH1.U UPSTREAM
2	0.03	WL	Water level 5 % of the vertical dimension
3	1.14	LL	Line deviates left VERY SLIGHT
4	2.17	WL	Water level 20 % of the vertical dimension
5	4.26	WL	Water level 0 % of the vertical dimension
6	6.91	MHF	Finish node type, manhole reference number: MH.OUT OF AREA

PLR MH3X Town or Village EUSTON Road DRUMMOND ST Expected Length [m] 5.6	Upstream Node MH3 Downstream Node MH2 0.0 Pipe Material Vitrified clay pipe (i.e. all clayware)
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	m+	Code	Observation

Section Summary

Project Name Drummand ST CCTV	Project Number:	Date: 26/04/2017
---	-----------------	----------------------------

	m+		Code	Observation
1		0.04	WL	Water level 0 % of the vertical dimension
2		0.27	MH	Start node type, manhole reference number: MH3
3		5.63	MHF	Finish node type, manhole reference number: MH2

PLR Town or Village Road Expected Length [m]	SVP1X EUSTON DRUMMOND ST 1.9	Upstream Node Downstream Node 0.0 Pipe Material	SVP1 MH3.U 0.0 Vitrified clay pipe (i.e. all clayware)
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	m+		Code	Observation
1		0.26	MH	Start node type, manhole reference number: MH3.U UPSTREAM
2		0.44	WL	Water level 65 % of the vertical dimension LINE IS BLOCKED
3		1.88	SA	Survey abandoned LOSS OF VISION BLOCKED

PLR Town or Village Road Expected Length [m]	SVP2X EUSTON DRUMMOND ST 6.0	Upstream Node Downstream Node 0.0 Pipe Material	SVP2 MH3.A 0.0 Vitrified clay pipe (i.e. all clayware)
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	m+		Code	Observation
1		0.04	MH	Start node type, manhole reference number: MH3.A A
2		0.04	WL	Water level 0 % of the vertical dimension
3		6.03	OFF	Finish node type, outfall reference number: SVP2 TOP FLAT

PLR Town or Village Road Expected Length [m]	BASEMENT MH1X EUSTON DRUMMOND ST 0.6	Upstream Node Downstream Node 0.0 Pipe Material	BASEMENT MH1 0 0.0 Vitrified clay pipe (i.e. all clayware)
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	m+		Code	Observation
1		0.63	MH	Start node type, manhole reference number: BASEMENT MH1

PLR Town or Village Road Expected Length [m]	BASEMENT MH2X EUSTON DRUMMOND ST 0.8	Upstream Node Downstream Node 0.0 Pipe Material	BASEMENT MH2 0 0.0 Vitrified clay pipe (i.e. all clayware)
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	m+		Code	Observation
1		0.84	MH	Start node type, manhole reference number: BASEMENT MH2

Section Inspection - 20/04/2017 - MH1X

Section: 1	Inspection: 1	Date: 20/04/17	Time: 10:05	Client's Ref : 01	Weather:	Pre Cleaned: No	PLR: MH1X
Operator: Adam Page		Vehicle:		Camera:	Preset Length [m]:	Criticality Grade:	Type of Pipe: Gravity drain/sewer

Town or Village: Euston	Insp Dir: MH1 → MH2	US MH: MH1
Road: Drummond St	Inspected Length: 8.93 m	US Depth: 2.15 m
Location:	Total Length: 8.93 m	DS MH: MH2
Surface Cover:	Pipe Length: 0.00 m	DS Depth:

Use: Foul	Pipe Shape:
Lining Type:	Height / Width: 150 / 0 mm
Inspection Purpose:	Pipe Material: Vitrified clay pipe (i.e. all clayware)
Year Constructed: 1900	Flow Control: No flow control

Comment:
 Recommendation:

1:76	Position m	Code	Observation	MPEG	Photo	Grade																								
<div style="display: flex; align-items: center;"> <div style="flex: 1;"> <p>Depth: 2.15</p> <p>MH1</p> </div> <table border="1" style="margin-left: 10px; border-collapse: collapse;"> <tr> <td style="width: 10%;">0.08</td> <td style="width: 10%;">MH</td> <td style="width: 45%;">Start node type, manhole reference number: MH1</td> <td style="width: 10%;">00:00:12</td> <td></td> <td></td> </tr> <tr> <td>0.14</td> <td>WL</td> <td>Water level 10 % of the vertical dimension CONSTANT FLOW: CONSTANT FLOW</td> <td>00:00:15</td> <td></td> <td></td> </tr> <tr> <td>1.46</td> <td>CUW</td> <td>Loss of vision, camera under water</td> <td>00:00:36</td> <td></td> <td></td> </tr> <tr> <td>8.93</td> <td>MHF</td> <td>Finish node type, manhole reference number: MH2</td> <td>00:02:38</td> <td></td> <td></td> </tr> </table> </div>							0.08	MH	Start node type, manhole reference number: MH1	00:00:12			0.14	WL	Water level 10 % of the vertical dimension CONSTANT FLOW: CONSTANT FLOW	00:00:15			1.46	CUW	Loss of vision, camera under water	00:00:36			8.93	MHF	Finish node type, manhole reference number: MH2	00:02:38		
0.08	MH	Start node type, manhole reference number: MH1	00:00:12																											
0.14	WL	Water level 10 % of the vertical dimension CONSTANT FLOW: CONSTANT FLOW	00:00:15																											
1.46	CUW	Loss of vision, camera under water	00:00:36																											
8.93	MHF	Finish node type, manhole reference number: MH2	00:02:38																											

Structural defects	Constructional features
Service and maintenance defects	Miscellaneous features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 20/04/2017 - MH1X

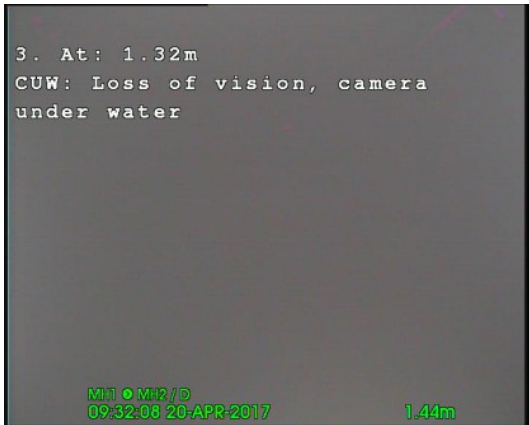
Section Number : 1	Survey Direction : MH1 → MH2	PLR : MH1X	Client's Ref : 01	Contractor's Ref :
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, 00:00:12, 0.08m
 Start node type, manhole reference number: MH1



, 00:02:38, 8.93m
 Finish node type, manhole reference number: MH2



, 00:00:36, 1.46m
 Loss of vision, camera under water



, 00:00:15, 0.14m
 Water level 10 % of the vertical dimension CONSTANT FLOW

Section Inspection - 20/04/2017 - MH.OUT OF AREAX

Section: 2	Inspection: 1	Date: 20/04/17	Time: 10:14	Client's Ref : 01	Weather:	Pre Cleaned: No	PLR: MH.OUT OF AREAX
Operator: Adam Page		Vehicle:		Camera:	Preset Length [m]:	Criticality Grade:	Type of Pipe: Gravity drain/sewer

Town or Village: Euston	Insp Dir: MH1.A ← MH.OUT OF AREA	US MH: MH.OUT OF AREA
Road: Drummond St	Inspected Length: 14.99 m	US Depth:
Location:	Total Length: 14.99 m	DS MH: MH1.A
Surface Cover:	Pipe Length: 0.00 m	DS Depth: 2.02 m

Use: Foul	Pipe Shape:
Lining Type:	Height / Width: 150 / 0 mm
Inspection Purpose:	Pipe Material: Vitrified clay pipe (i.e. all clayware)
Year Constructed: 1900	Flow Control: No flow control

Comment:
 Recommendation:

1:127	Position m	Code	Observation	MPEG	Photo	Grade																																										
<div style="display: flex; align-items: flex-start;"> <div style="width: 20%; text-align: center;"> <p>Depth: 2.02</p> <p>MH1.A</p> <p>MH.OUT OF AREA</p> <p>Depth:</p> </div> <table style="width: 80%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">0.08</td> <td style="width: 5%; text-align: center;">MH</td> <td style="width: 45%;">Start node type, manhole reference number: MH1.A A: A</td> <td style="width: 10%; text-align: center;">00:00:01</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">0.28</td> <td style="text-align: center;">WL</td> <td style="color: green;">Water level 20 % of the vertical dimension</td> <td style="text-align: center;">00:00:10</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">1.30</td> <td style="text-align: center;">CUW</td> <td>Loss of vision, camera under water</td> <td style="text-align: center;">00:00:13</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">3.75</td> <td style="text-align: center;">SZ</td> <td style="color: red;">Surface damage, other from 4 O'Clock to 6 O'Clock DAMAGE ON PIPE: DAMAGE ON PIPE</td> <td style="text-align: center;">00:00:30</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">5.00</td> <td style="text-align: center;">CUW</td> <td>Loss of vision, camera under water HOLDING WATER: HOLDING WATER</td> <td style="text-align: center;">00:00:38</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">8.23</td> <td style="text-align: center;">WL</td> <td style="color: green;">Water level 0 % of the vertical dimension</td> <td style="text-align: center;">00:01:08</td> <td colspan="2"></td> </tr> <tr> <td style="text-align: center;">14.99</td> <td style="text-align: center;">MHF</td> <td style="color: blue;">Finish node type, manhole reference number: MH.OUT OF AREA</td> <td style="text-align: center;">00:01:26</td> <td colspan="2"></td> </tr> </table> </div>							0.08	MH	Start node type, manhole reference number: MH1.A A: A	00:00:01			0.28	WL	Water level 20 % of the vertical dimension	00:00:10			1.30	CUW	Loss of vision, camera under water	00:00:13			3.75	SZ	Surface damage, other from 4 O'Clock to 6 O'Clock DAMAGE ON PIPE: DAMAGE ON PIPE	00:00:30			5.00	CUW	Loss of vision, camera under water HOLDING WATER: HOLDING WATER	00:00:38			8.23	WL	Water level 0 % of the vertical dimension	00:01:08			14.99	MHF	Finish node type, manhole reference number: MH.OUT OF AREA	00:01:26		
0.08	MH	Start node type, manhole reference number: MH1.A A: A	00:00:01																																													
0.28	WL	Water level 20 % of the vertical dimension	00:00:10																																													
1.30	CUW	Loss of vision, camera under water	00:00:13																																													
3.75	SZ	Surface damage, other from 4 O'Clock to 6 O'Clock DAMAGE ON PIPE: DAMAGE ON PIPE	00:00:30																																													
5.00	CUW	Loss of vision, camera under water HOLDING WATER: HOLDING WATER	00:00:38																																													
8.23	WL	Water level 0 % of the vertical dimension	00:01:08																																													
14.99	MHF	Finish node type, manhole reference number: MH.OUT OF AREA	00:01:26																																													

Structural defects					Constructional features				
Service and maintenance defects					Miscellaneous features				
Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.									
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 20/04/2017 - MH.OUT OF AREA X

Section Number : 2	Survey Direction : MH1.A ← MH.OUT OF	PLR : MH.OUT OF AREA X	Client's Ref : 01	Contractor's Ref :
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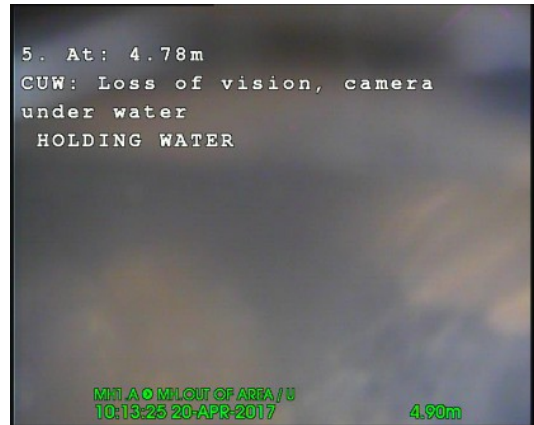
, 00:00:10, 0.28m
 Water level 20 % of the vertical dimension



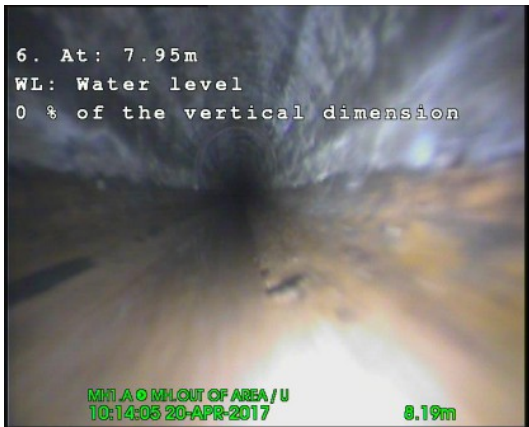
, 00:00:13, 1.30m
 Loss of vision, camera under water



, 00:00:30, 3.75m
 Surface damage, other from 4 O'Clock to 6 O'Clock DAMAGE ON PIPE



, 00:00:38, 5.00m
 Loss of vision, camera under water HOLDING WATER



, 00:01:08, 8.23m
 Water level 0 % of the vertical dimension



, 00:01:26, 14.99m
 Finish node type, manhole reference number: MH.OUT OF AREA

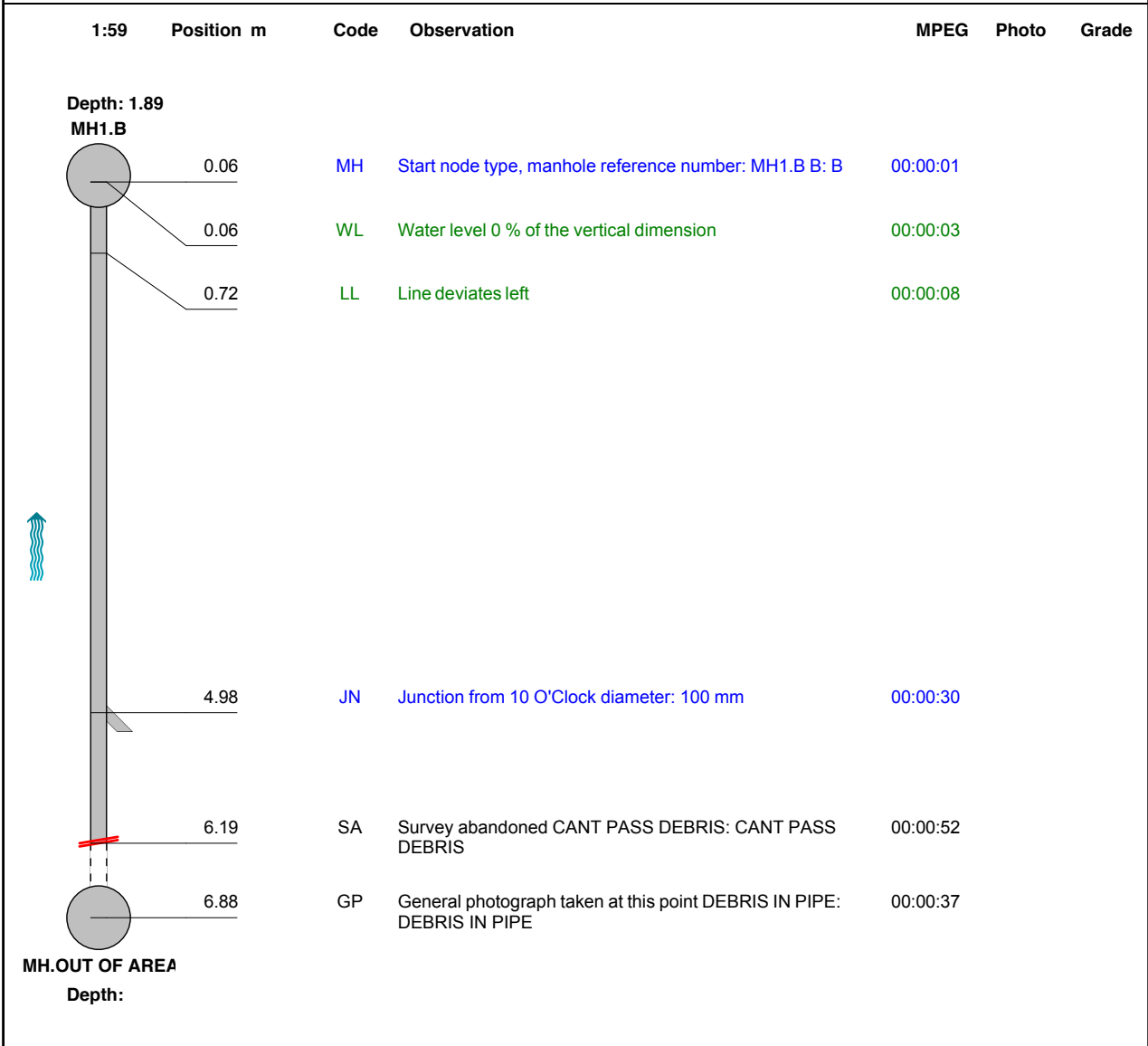
Section Inspection - 20/04/2017 - MH.OUT OF AREA

Section: 3	Inspection: 1	Date: 20/04/17	Time: 10:19	Client's Ref : 01	Weather:	Pre Cleaned: No	PLR: MH.OUT OF AREA
Operator: Adam Page		Vehicle:		Camera:	Preset Length [m]:	Criticality Grade:	Type of Pipe: Gravity drain/sewer

Town or Village: Euston	Insp Dir: MH1.B ← MH.OUT OF AREA	US MH: MH.OUT OF AREA
Road: Drummond St	Inspected Length: 6.88 m	US Depth:
Location:	Total Length: 6.88 m	DS MH: MH1.B
Surface Cover:	Pipe Length: 0.00 m	DS Depth: 1.89 m

Use: Foul	Pipe Shape:
Lining Type:	Height / Width: 100 / 0 mm
Inspection Purpose:	Pipe Material: Vitrified clay pipe (i.e. all clayware)
Year Constructed: 1900	Flow Control: No flow control

Comment:
 Recommendation:



Structural defects	Constructional features
Service and maintenance defects	Miscellaneous features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 20/04/2017 - MH.OUT OF AREA X

Section Number : 3	Survey Direction : MH1.B ← MH.OUT OF	PLR : MH.OUT OF AREA X	Client's Ref : 01	Contractor's Ref :
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, 00:00:08, 0.72m
Line deviates left



, 00:00:37, 6.88m
General photograph taken at this point DEBRIS IN PIPE



, 00:00:52, 6.19m
Survey abandoned CANT PASS DEBRIS



, 00:00:30, 4.98m
Junction from 10 O'Clock diameter: 100 mm

Section Inspection - 20/04/2017 - MH.OUT OF AREA

Section: 4	Inspection: 1	Date: 20/04/17	Time: 10:22	Client's Ref : 01	Weather:	Pre Cleaned: No	PLR: MH.OUT OF AREA
Operator: Adam Page		Vehicle:		Camera:	Preset Length [m]:	Criticality Grade:	Type of Pipe: Gravity drain/sewer

Town or Village: Euston	Insp Dir: MH1.U ← MH.OUT OF AREA	US MH: MH.OUT OF AREA
Road: Drummond St	Inspected Length: 6.91 m	US Depth:
Location:	Total Length: 6.91 m	DS MH: MH1.U
Surface Cover:	Pipe Length: 0.00 m	DS Depth: 2.01 m

Use: Foul	Pipe Shape:
Lining Type:	Height / Width: 150 / 0 mm
Inspection Purpose:	Pipe Material: Vitrified clay pipe (i.e. all clayware)
Year Constructed: 1900	Flow Control: No flow control

Comment:
 Recommendation:

1:59	Position m	Code	Observation	MPEG	Photo	Grade																																				
<div style="display: flex; align-items: center;"> <div style="width: 20%; text-align: center;"> <p>Depth: 2.01</p> <p>MH1.U</p> </div> <table style="width: 80%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center;">0.03</td> <td style="width: 5%; text-align: center;">MH</td> <td style="width: 50%;">Start node type, manhole reference number: MH1.U UPSTREAM: UPSTREAM</td> <td style="width: 10%; text-align: center;">00:00:01</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">0.03</td> <td style="text-align: center;">WL</td> <td>Water level 5 % of the vertical dimension</td> <td style="text-align: center;">00:00:01</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">1.14</td> <td style="text-align: center;">LL</td> <td>Line deviates left VERY SLIGHT: VERY SLIGHT</td> <td style="text-align: center;">00:00:16</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">2.17</td> <td style="text-align: center;">WL</td> <td>Water level 20 % of the vertical dimension</td> <td style="text-align: center;">00:00:20</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">4.26</td> <td style="text-align: center;">WL</td> <td>Water level 0 % of the vertical dimension</td> <td style="text-align: center;">00:00:26</td> <td></td> <td></td> </tr> <tr> <td style="text-align: center;">6.91</td> <td style="text-align: center;">MHF</td> <td>Finish node type, manhole reference number: MH.OUT OF AREA</td> <td style="text-align: center;">00:00:42</td> <td></td> <td></td> </tr> </table> </div>							0.03	MH	Start node type, manhole reference number: MH1.U UPSTREAM: UPSTREAM	00:00:01			0.03	WL	Water level 5 % of the vertical dimension	00:00:01			1.14	LL	Line deviates left VERY SLIGHT: VERY SLIGHT	00:00:16			2.17	WL	Water level 20 % of the vertical dimension	00:00:20			4.26	WL	Water level 0 % of the vertical dimension	00:00:26			6.91	MHF	Finish node type, manhole reference number: MH.OUT OF AREA	00:00:42		
0.03	MH	Start node type, manhole reference number: MH1.U UPSTREAM: UPSTREAM	00:00:01																																							
0.03	WL	Water level 5 % of the vertical dimension	00:00:01																																							
1.14	LL	Line deviates left VERY SLIGHT: VERY SLIGHT	00:00:16																																							
2.17	WL	Water level 20 % of the vertical dimension	00:00:20																																							
4.26	WL	Water level 0 % of the vertical dimension	00:00:26																																							
6.91	MHF	Finish node type, manhole reference number: MH.OUT OF AREA	00:00:42																																							

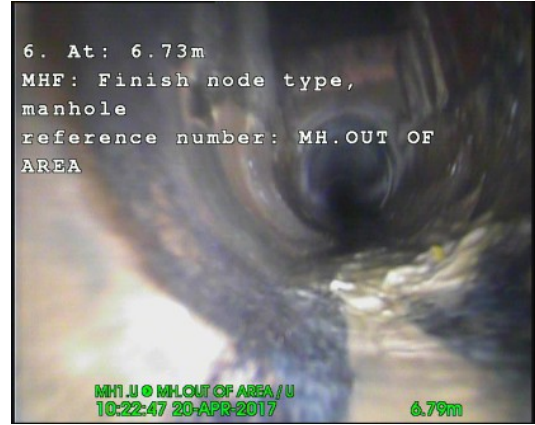
Structural defects					Constructional features				
Service and maintenance defects					Miscellaneous features				
Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.									
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 20/04/2017 - MH.OUT OF AREA

Section Number : 4	Survey Direction : MH1.U ← MH.OUT OF	PLR : MH.OUT OF AREA	Client's Ref : 01	Contractor's Ref :
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, 00:00:16, 1.14m
 Line deviates left VERY SLIGHT



, 00:00:42, 6.91m
 Finish node type, manhole reference number: MH.OUT OF AREA



, 00:00:26, 4.26m
 Water level 0 % of the vertical dimension



, 00:00:20, 2.17m
 Water level 20 % of the vertical dimension

Section Inspection - 20/04/2017 - MH3X

Section: 5	Inspection: 1	Date: 20/04/17	Time: 10:47	Client's Ref : 01	Weather:	Pre Cleaned: No	PLR: MH3X
Operator: Adam Page		Vehicle:		Camera:	Preset Length [m]:	Criticality Grade:	Type of Pipe: Gravity drain/sewer

Town or Village: Euston	Insp Dir: MH3 → MH2	US MH: MH3
Road: Drummond St	Inspected Length: 5.63 m	US Depth: 1.56 m
Location:	Total Length: 5.63 m	DS MH: MH2
Surface Cover:	Pipe Length: 0.00 m	DS Depth:

Use: Foul	Pipe Shape:
Lining Type:	Height / Width: 150 / 0 mm
Inspection Purpose:	Pipe Material: Vitrified clay pipe (i.e. all clayware)
Year Constructed: 1900	Flow Control: No flow control

Comment:
 Recommendation:

1:50	Position m	Code	Observation	MPEG	Photo	Grade														
<div style="display: flex; align-items: flex-start;"> <div style="margin-right: 20px;"> <p>Depth: 1.56</p> <p>MH3</p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 15%;">0.04</td> <td style="width: 10%;">WL</td> <td style="width: 45%;">Water level 0 % of the vertical dimension</td> <td style="width: 10%;">00:00:17</td> <td></td> <td></td> </tr> <tr> <td></td> <td>0.27</td> <td>MH</td> <td>Start node type, manhole reference number: MH3</td> <td>00:00:05</td> <td></td> <td></td> </tr> </table> </div>								0.04	WL	Water level 0 % of the vertical dimension	00:00:17				0.27	MH	Start node type, manhole reference number: MH3	00:00:05		
	0.04	WL	Water level 0 % of the vertical dimension	00:00:17																
	0.27	MH	Start node type, manhole reference number: MH3	00:00:05																
	5.63	MHF	Finish node type, manhole reference number: MH2	00:01:05																
			MH2			Depth:														

Structural defects	Constructional features
Service and maintenance defects	Miscellaneous features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

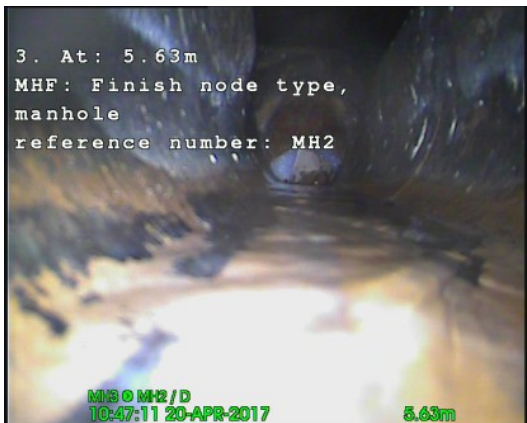
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 20/04/2017 - MH3X

Section Number : 5	Survey Direction : MH3 → MH2	PLR : MH3X	Client's Ref : 01	Contractor's Ref :
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, 00:00:05, 0.27m
Start node type, manhole reference number: MH3



, 00:01:05, 5.63m
Finish node type, manhole reference number: MH2

Section Inspection - 20/04/2017 - SVP1X

Section: 6	Inspection: 1	Date: 20/04/17	Time: 10:53	Client's Ref : 01	Weather:	Pre Cleaned: No	PLR: SVP1X
Operator: Adam Page		Vehicle:		Camera:	Preset Length [m]:	Criticality Grade:	Type of Pipe: Gravity drain/sewer

Town or Village: Euston	Insp Dir: MH3.U ← SVP1	US MH: SVP1
Road: Drummond St	Inspected Length: 1.88 m	US Depth:
Location:	Total Length: 1.88 m	DS MH: MH3.U
Surface Cover:	Pipe Length: 0.00 m	DS Depth: 1.55 m

Use: Foul	Pipe Shape:
Lining Type:	Height / Width: 100 / 0 mm
Inspection Purpose:	Pipe Material: Vitrified clay pipe (i.e. all clayware)
Year Constructed: 1900	Flow Control: No flow control

Comment:
 Recommendation:

1:50	Position m	Code	Observation	MPEG	Photo	Grade																					
<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>Depth: 1.55 MH3.U</p> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 15%; text-align: center;">0.26</td> <td style="width: 10%;">MH</td> <td style="width: 45%;">Start node type, manhole reference number: MH3.U UPSTREAM: UPSTREAM</td> <td style="width: 10%; text-align: center;">00:00:01</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">0.44</td> <td>WL</td> <td>Water level 65 % of the vertical dimension LINE IS BLOCKED: LINE IS BLOCKED</td> <td style="text-align: center;">00:00:03</td> <td></td> <td></td> </tr> <tr> <td></td> <td style="text-align: center;">1.88</td> <td>SA</td> <td>Survey abandoned LOSS OF VISION BLOCKED: LOSS OF VISION BLOCKED</td> <td style="text-align: center;">00:02:48</td> <td></td> <td></td> </tr> </table> </div>								0.26	MH	Start node type, manhole reference number: MH3.U UPSTREAM: UPSTREAM	00:00:01				0.44	WL	Water level 65 % of the vertical dimension LINE IS BLOCKED: LINE IS BLOCKED	00:00:03				1.88	SA	Survey abandoned LOSS OF VISION BLOCKED: LOSS OF VISION BLOCKED	00:02:48		
	0.26	MH	Start node type, manhole reference number: MH3.U UPSTREAM: UPSTREAM	00:00:01																							
	0.44	WL	Water level 65 % of the vertical dimension LINE IS BLOCKED: LINE IS BLOCKED	00:00:03																							
	1.88	SA	Survey abandoned LOSS OF VISION BLOCKED: LOSS OF VISION BLOCKED	00:02:48																							

Structural defects	Constructional features
Service and maintenance defects	Miscellaneous features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 20/04/2017 - SVP1X

Section Number : 6	Survey Direction : MH3.U ← SVP1	PLR : SVP1X	Client's Ref : 01	Contractor's Ref :
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, 00:00:03, 0.44m
 Water level 65 % of the vertical dimension LINE IS BLOCKED



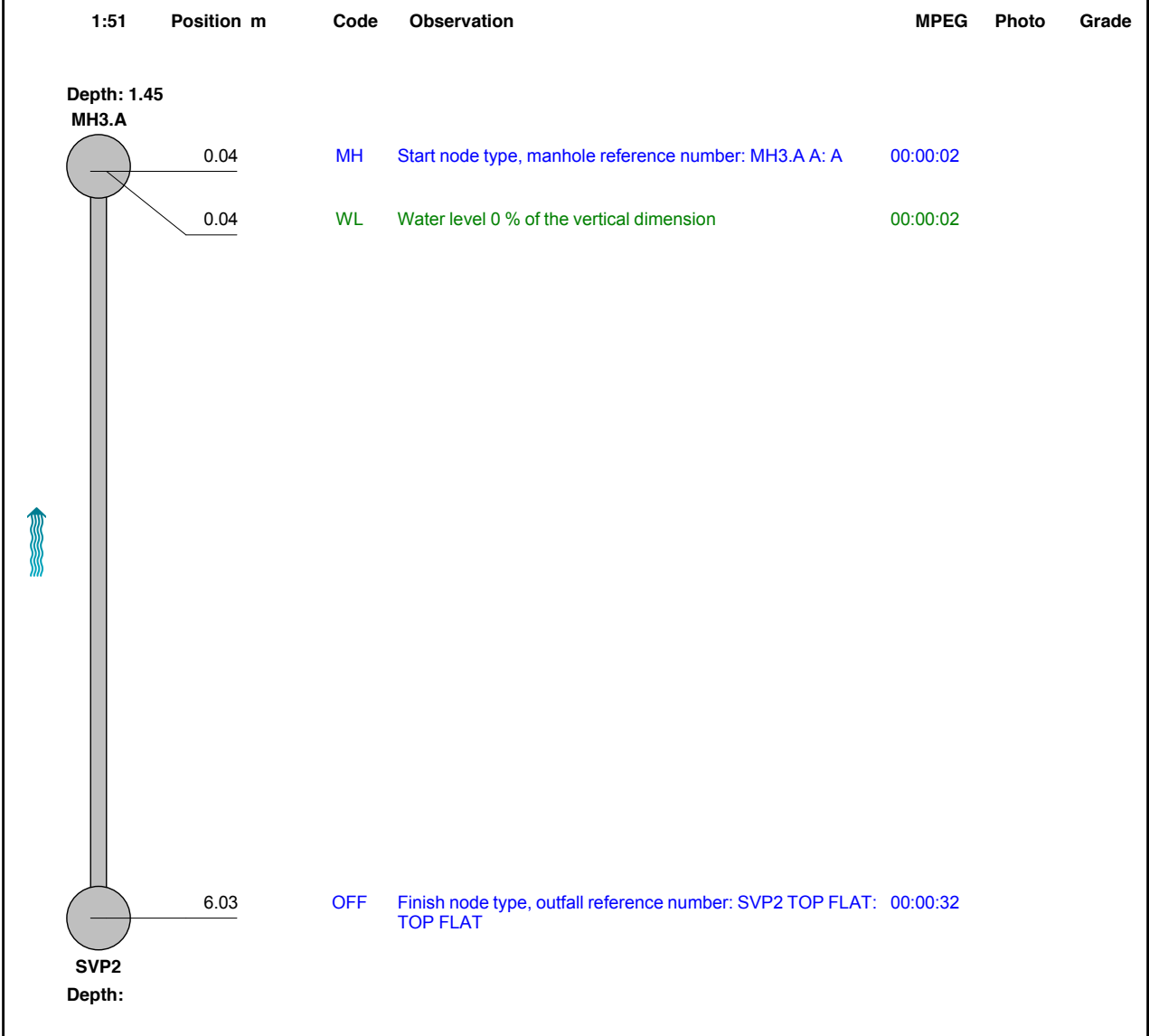
, 00:02:48, 1.88m
 Survey abandoned LOSS OF VISION BLOCKED

Section Inspection - 20/04/2017 - SVP2X

Section: 7	Inspection: 1	Date: 20/04/17	Time: 11:03	Client's Ref : 01	Weather:	Pre Cleaned: No	PLR: SVP2X
Operator: Adam Page		Vehicle:		Camera:	Preset Length [m]:	Criticality Grade:	Type of Pipe: Gravity drain/sewer

Town or Village: Euston	Insp Dir: MH3.A ← SVP2	US MH: SVP2
Road: Drummond St	Inspected Length: 6.03 m	US Depth:
Location:	Total Length: 6.03 m	DS MH: MH3.A
Surface Cover:	Pipe Length: 0.00 m	DS Depth: 1.45 m
Use: Foul	Pipe Shape:	
Lining Type:	Height / Width: 100 / 0 mm	
Inspection Purpose:	Pipe Material: Vitrified clay pipe (i.e. all clayware)	
Year Constructed: 1900	Flow Control: No flow control	

Comment:
 Recommendation:



Structural defects					Constructional features				
Service and maintenance defects					Miscellaneous features				
Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.									
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 20/04/2017 - SVP2X

Section Number : 7	Survey Direction : MH3.A ← SVP2	PLR : SVP2X	Client's Ref : 01	Contractor's Ref :
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, 00:00:32, 6.03m
Finish node type, outfall reference number: SVP2 TOP FLAT

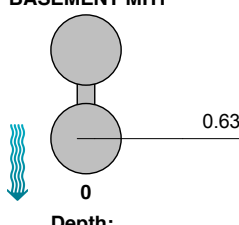
Section Inspection - 20/04/2017 - BASEMENT MH1X

Section: 8	Inspection: 1	Date: 20/04/17	Time: 11:30	Client's Ref : 01	Weather:	Pre Cleaned: No	PLR: BASEMENT MH1X
Operator: Adam Page		Vehicle:		Camera:	Preset Length [m]:	Criticality Grade:	Type of Pipe: Gravity drain/sewer

Town or Village: Euston	Insp Dir: BASEMENT MH1 → 0	US MH: BASEMENT MH1
Road: Drummond St	Inspected Length: 0.63 m	US Depth: 2.75 m
Location:	Total Length: 0.63 m	DS MH: 0
Surface Cover:	Pipe Length: 0.00 m	DS Depth:

Use: Foul	Pipe Shape:
Lining Type:	Height / Width: 100 / 0 mm
Inspection Purpose:	Pipe Material: Vitrified clay pipe (i.e. all clayware)
Year Constructed: 1900	Flow Control: No flow control

Comment: **2.750 TO FLOOR SLAB .90 FURTHER CONFIND SPACE ACCESS MAY BE NEEDED**
 Recommendation:

1:50	Position m	Code	Observation	MPEG	Photo	Grade
<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>Depth: 2.75 BASEMENT MH1</p>  </div> <div> <p>MH Start node type, manhole reference number: BASEMENT MH1</p> </div> <div style="margin-left: 20px;"> <p>00:00:07</p> </div> </div>						
Structural defects				Constructional features		
Service and maintenance defects				Miscellaneous features		
Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.						

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 20/04/2017 - BASEMENT MH1X

Section Number : 8	Survey Direction : BASEMENT → 0	PLR : BASEMENT MH1X	Client's Ref : 01	Contractor's Ref :
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, 00:00:07, 0.63m
Start node type, manhole reference number: BASEMENT MH1

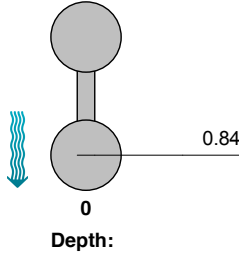
Section Inspection - 20/04/2017 - BASEMENT MH2X

Section: 9	Inspection: 1	Date: 20/04/17	Time: 11:39	Client's Ref : 01	Weather:	Pre Cleaned: No	PLR: BASEMENT MH2X
Operator: Adam Page		Vehicle:		Camera:	Preset Length [m]:	Criticality Grade:	Type of Pipe: Gravity drain/sewer

Town or Village: Euston	Insp Dir: BASEMENT MH2 → 0	US MH: BASEMENT MH2
Road: Drummond St	Inspected Length: 0.84 m	US Depth: 2.60 m
Location:	Total Length: 0.84 m	DS MH: 0
Surface Cover:	Pipe Length: 0.00 m	DS Depth:

Use: Foul	Pipe Shape:
Lining Type:	Height / Width: 100 / 0 mm
Inspection Purpose:	Pipe Material: Vitrified clay pipe (i.e. all clayware)
Year Constructed: 1900	Flow Control: No flow control

Comment: **2.6 TO FLOOR SLAB .74 FURTHER CONFIND SPACE ACCESS MAY BE NEEDED**
 Recommendation:

1:50	Position m	Code	Observation	MPEG	Photo	Grade
<div style="display: flex; align-items: center;"> <div style="margin-right: 20px;"> <p>Depth: 2.60 BASEMENT MH2</p>  <p>0.84</p> <p>0</p> <p>Depth:</p> </div> <div> <p>MH Start node type, manhole reference number: BASEMENT MH2 00:00:07</p> </div> </div>						
Structural defects				Constructional features		
Service and maintenance defects				Miscellaneous features		
Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.						

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 20/04/2017 - BASEMENT MH2X

Section Number : 9	Survey Direction : BASEMENT → 0	PLR : BASEMENT MH2X	Client's Ref : 01	Contractor's Ref :
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, 00:00:07, 0.84m
Start node type, manhole reference number: BASEMENT MH2



CadMap Studio
Building 131, Dunsfold Park, Dunsfold Aerodrome, Dunsfold, Surrey, GU6 8TB
Tel. 0208 1111220
simon@cadmapstudio.co.uk

Damage overview

Project name: Drummand ST CCTV	Project number:	Contact:	Date: 26/04/2017
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Group	Count
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Section Synthesis report

Project name: Drummand ST CCTV	Project number:	Contact:	Date: 26/04/2017
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Node from:
Node to:
Section height:
Section length:
Inspected length:
Abandoned: