

Drainage Verification Report (Phase 1)

Merry England, Dappers Lane, Angmering

For

GD Group

Rev -

Reference **C1249**

Date **12th August 2021**

By Christopher Slade

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1. Introduction

- 1.1. CGS Civils Ltd have been appointed to undertake a drainage verification report to confirm that the 'as built' drainage for the above development of 18 residential dwellings has been installed as per the agreed plans and that it functions adequately.
- 1.2. This report will be split into two phases. This initial phase will provide preliminary comment with general recommendations based on the results of a CCTV survey. The second phase will provide comment on the final 'as built' design to include any remedial works identified as being required as part of this process. This second phase will also include some runs which had not been installed at the time of the survey as erected scaffolding was preventing this.
- 1.3. The report, once finalised, is required to clear Condition 5 of the planning Conditions. The exact wording of the condition is noted below:

5 Immediately following implementation of the approved SuDS scheme and prior to occupation of any part of the development, the developer/applicant shall provide the local planning authority with as-built drawings of the implemented scheme together with a completion report prepared by an independent engineer that confirms that the scheme was built in accordance with the approved drawing/s and is fit for purpose. There shall be no deviation to the approved scheme other than with the written consent of the Local Planning Authority. The scheme shall thereafter be maintained in perpetuity.

Reason: To ensure that the proposed development is satisfactorily drained in accordance with policies LAN DM1, of the Arun Council Plan. It is considered necessary for this to be a pre-commencement condition because it would not be possible to implement a surface drainage scheme once development had commenced.

2. Information Verified

To undertake a meaningful assessment of the drainage, it has been necessary to obtain, review and verify the following:

- i. Full CCTV drainage survey of the 'as built' surface water system

3. CCTV Survey

- 3.1. A drainage CCTV survey was undertaken on 3rd June 2021 of the 'as built' foul and surface water drainage system. Due to scaffolding being present, not all of the drainage could be surveyed.
- 3.2. The CCTV survey confirmed that the system is generally in good working order however various issues have been identified that require further review and if necessary additional cleaning, repair, or replacement along with a further CCTV survey to confirm adequate installation and functioning.
- 3.3. A review of the survey identified several structural defects which will require remediating prior to handover.

An extract of this is below:

Structural Defects

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.

Section	PLR	Grade	Description
10	D2	5	Deformed section of drain, 40%

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.

Section	PLR	Grade	Description
16	F15X	4	Settled deposits, coarse, 30% cross-sectional area loss, finish
20	F15X	4	Multiple defects
33	SP24X	5	Settled deposits, hard or compacted, 100% cross-sectional area loss
45	F21X	4	Multiple defects
50	F23X	3	Settled deposits, fine, 40% cross-sectional area loss, finish
60	F27X	3	Settled deposits, coarse, 15% cross-sectional area loss
66	RGX	4	Settled deposits, fine, 30% cross-sectional area loss, finish
74	S22X	3	Multiple defects
75	RGX	4	Settled deposits, coarse, 15% cross-sectional area loss, change
78	RE12X	4	Sealing ring intruding, loop hanging above centre from 12 o'clock to 3 o'clock
97	LDX	5	Settled deposits, coarse, 100% cross-sectional area loss
89	S29X	3	Multiple defects
99	S32X	3	Settled deposits, coarse, 10% cross-sectional area loss
106	S9X	4	Settled deposits, fine, 20% cross-sectional area loss, finish
111	S33X	5	Other materials, pipe material is broken from 4 o'clock to 7 o'clock, 5% cross-sectional area loss
114	CAPX	3	Settled deposits, fine, 5% cross-sectional area loss
128	S10X	3	Settled deposits, fine, 15% cross-sectional area loss, finish

3.4. In addition to the above, some of the system was noted as holding water. It is not known whether this is the result of blockages or issues with the pipework. These areas are to be reviewed in more detail and resolved prior to the final report being issued.

3.5. All SuDS features i.e., attenuation tank, hydrobrake flow control and porous areas appeared to be functioning satisfactorily.

3.6. Some minor deviations in pipework are noted however this only appears to be round plot drainage which would have no bearing on the agreed drainage strategy.

3.7. The CCTV survey can be found in **Appendix A**.

4. Conclusion and Recommendations

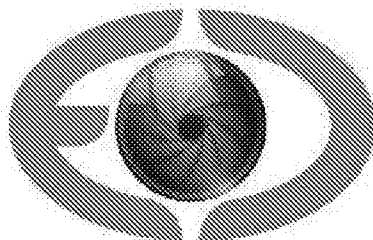
- 4.1. A phase 1 drainage verification report has been undertaken for the surface water drainage for the site at Merry England, Dappers Lane, Angmering.
- 4.2. An 'as built' CCTV survey was completed in June 2021 which identified most of the system to be in good working order however several defects and pipes holding water were identified. Due to scaffolding being present, not all of the drainage could be surveyed.
- 4.3. All SuDS features appeared to be working satisfactorily.
- 4.4. It is recommended that in accordance with the CCTV survey, sections of pipe are cleansed and repaired/replaced and that a secondary survey is undertaken to confirm that all of the drainage system is in sound working order prior to handover.
- 4.5. Upon confirmation of this, the phase 2 report shall be issued for approval so that condition 5 can be cleared.

Appendix A

CCTV Drainage Survey

**Project**

Project Name: Dappers Lane
Project Description: CCTV Survey, Trace & Plot
Project Status: Pending
Project Date: 03/06/2021
Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)



EYES ON DRAINAGE

SPECIALIST CCTV SURVEYING

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**Project Information**Project Name
Dappers Lane

Project Number

Project Date
03/06/2021**Client**

Company: G D Homes
Contact: Glen Gasson
Department: Basepoint
Street: Little High Street
Town or City: Shoreham
County: East Sussex
Post Code: BN43 5EG

Site

Contact: Shane
Department: Merry England
Street: Dappers Lane
Town or City: Angmering
County: West Sussex
Post Code: BN16 4EN

Contractor

Company: Eyes On Drainage Services Ltd
Contact: Jay Young
Street: Merrion House
Town or City: Partridge Green
County: West Sussex
Post Code: RH13 8EH

Scoring Summary

 Project Name
 Dappers Lane

Project Number

 Project Date
 03/06/2021

Structural Defects

- 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.

Section	PLR	Grade	Description
110	LDX	5	Deformed sewer or drain, 40%

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.

Section	PLR	Grade	Description
18	F18X	4	Settled deposits, coarse, 30% cross-sectional area loss, finish
20	F15X	4	Multiple defects
33	SP24X	5	Settled deposits, hard or compacted, 100% cross-sectional area loss
45	F21X	4	Multiple defects
50	F23X	3	Settled deposits, fine, 40% cross-sectional area loss, finish
60	F27X	3	Settled deposits, coarse, 15% cross-sectional area loss
68	RGX	4	Settled deposits, fine, 30% cross-sectional area loss, finish
74	S22X	3	Multiple defects
75	RGX	4	Settled deposits, coarse, 15% cross-sectional area loss, change
78	RE12X	4	Sealing ring intruding, loop hanging above centre from 12 o'clock to 3 o'clock
87	LDX	5	Settled deposits, coarse, 100% cross-sectional area loss
89	S29X	3	Multiple defects
99	S32X	3	Settled deposits, coarse, 10% cross-sectional area loss
109	S9X	4	Settled deposits, fine, 20% cross-sectional area loss, finish
111	S33X	5	Other obstacles, pipe material in invert from 4 o'clock to 7 o'clock, 5% cross-sectional area loss
114	CAPX	3	Settled deposits, fine, 5% cross-sectional area loss
128	S10X	3	Settled deposits, fine, 15% cross-sectional area loss, finish

Information

These scoring summaries are based on the SRM grading from the WRc.

Section Profile

 Project Name
 Dappers Lane

Project Number

 Project Date
 03/06/2021

Circular, 100 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	SP1	F18	25/05/2021	Dappers Lane	Polyvinyl chloride	14.40 m	14.40 m
2	SP2	F18	25/05/2021	Dappers Lane	Polyvinyl chloride	6.20 m	6.20 m
3	SP3	F18	25/05/2021	Dappers Lane	Polyvinyl chloride	10.90 m	10.90 m
4	F18	F3	25/05/2021	Dappers Lane	Polyvinyl chloride	12.60 m	12.60 m
5	SP4	F17	25/05/2021	Dappers Lane	Polyvinyl chloride	12.00 m	12.00 m
6	SP5	F17	25/05/2021	Dappers Lane	Polyvinyl chloride	4.40 m	4.40 m
7	SP6	F17	25/05/2021	Dappers Lane	Polyvinyl chloride	11.50 m	11.50 m
8	F17	F3	25/05/2021	Dappers Lane	Polyvinyl chloride	10.20 m	10.20 m
9	SP7	F19	25/05/2021	Dappers Lane	Polyvinyl chloride	13.60 m	13.60 m
10	SP8	F19	25/05/2021	Dappers Lane	Polyvinyl chloride	12.10 m	12.10 m
11	SP9	F19	25/05/2021	Dappers Lane	Polyvinyl chloride	2.50 m	2.50 m
12	F19	F3	25/05/2021	Dappers Lane	Polyvinyl chloride	12.00 m	12.00 m
13	SP10	F16	25/05/2021	Dappers Lane	Polyvinyl chloride	11.40 m	11.40 m
14	SP11	F16	25/05/2021	Dappers Lane	Polyvinyl chloride	4.20 m	4.20 m
15	SP12	F16	25/05/2021	Dappers Lane	Polyvinyl chloride	10.80 m	10.80 m
16	F16	F4	25/05/2021	Dappers Lane	Polyvinyl chloride	15.90 m	15.90 m
17	SP13	F15	25/05/2021	Dappers Lane	Polyvinyl chloride	11.10 m	11.10 m
18	SP14	F15	25/05/2021	Dappers Lane	Polyvinyl chloride	3.90 m	3.90 m
19	SP15	F15	25/05/2021	Dappers Lane	Polyvinyl chloride	11.00 m	11.00 m
20	F15	F2	25/05/2021	Dappers Lane	Polyvinyl chloride	10.40 m	10.40 m
21	SP16	F13	26/05/2021	Dappers Lane	Polyvinyl chloride	13.00 m	13.00 m
22	SP17	F13	26/05/2021	Dappers Lane	Polyvinyl chloride	8.90 m	8.90 m
23	SP18	F13	26/05/2021	Dappers Lane	Polyvinyl chloride	12.70 m	12.70 m
24	F13	F1	26/05/2021	Dappers Lane	Polyvinyl chloride	10.80 m	10.80 m
25	F33	F12	20/07/2021	Dappers Lane	Polyvinyl chloride	8.30 m	8.30 m
26	SP19	F12	26/05/2021	Dappers Lane	Polyvinyl chloride	7.40 m	7.40 m
27	SP20	F12	26/05/2021	Dappers Lane	Polyvinyl chloride	8.80 m	8.80 m
28	F12	F1	26/05/2021	Dappers Lane	Polyvinyl chloride	13.50 m	13.50 m
29	SP21	F11	26/05/2021	Dappers Lane	Polyvinyl chloride	6.20 m	6.20 m
30	SP22	F11	26/05/2021	Dappers Lane	Polyvinyl chloride	13.10 m	13.10 m
31	F11	F1	26/05/2021	Dappers Lane	Polyvinyl chloride	10.00 m	10.00 m
32	SP23	F32	26/05/2021	Dappers Lane	Polyvinyl chloride	0.80 m	0.80 m
33	SP24	F32	26/05/2021	Dappers Lane	Polyvinyl chloride	3.20 m	3.20 m
34	F32	F31	26/05/2021	Dappers Lane	Polyvinyl chloride	7.70 m	7.70 m
35	F31	F14	26/05/2021	Dappers Lane	Polyvinyl chloride	5.30 m	5.30 m
36	F14	F2	26/05/2021	Dappers Lane	Polyvinyl chloride	1.00 m	1.00 m
37	SP25	F14	26/05/2021	Dappers Lane	Polyvinyl chloride	7.80 m	7.80 m
38	SP26	F22	26/05/2021	Dappers Lane	Polyvinyl chloride	15.10 m	15.10 m
39	SP27	F22	26/05/2021	Dappers Lane	Polyvinyl chloride	7.40 m	7.40 m
40	SP28	F22	26/05/2021	Dappers Lane	Polyvinyl chloride	11.70 m	11.70 m
42	SP29	F20	26/05/2021	Dappers Lane	Polyvinyl chloride	15.00 m	14.80 m
43	SP30	F21	26/05/2021	Dappers Lane	Polyvinyl chloride	11.90 m	11.90 m
44	SP31	F21	26/05/2021	Dappers Lane	Polyvinyl chloride	4.20 m	4.20 m
45	F21	FA	26/05/2021	Dappers Lane	Polyvinyl chloride	9.70 m	9.70 m
46	SP32	F21	26/05/2021	Dappers Lane	Polyvinyl chloride	11.40 m	11.40 m
47	SP33	F23	26/05/2021	Dappers Lane	Polyvinyl chloride	7.40 m	7.40 m
48	SP34	F23	26/05/2021	Dappers Lane	Polyvinyl chloride	7.20 m	7.20 m
49	SP35	F23	26/05/2021	Dappers Lane	Polyvinyl chloride	2.50 m	2.50 m
50	F23	F25	26/05/2021	Dappers Lane	Polyvinyl chloride	7.20 m	7.20 m
51	SP36	F24	26/05/2021	Dappers Lane	Polyvinyl chloride	4.00 m	4.00 m
52	SP37	F24	26/05/2021	Dappers Lane	Polyvinyl chloride	7.50 m	7.50 m
53	SP38	F24	26/05/2021	Dappers Lane	Polyvinyl chloride	6.00 m	6.00 m

Dappers Lane

P-3

Section Profile

Project Name Dappers Lane				Project Number		Project Date 03/06/2021	
54	F24	F25	26/05/2021	Dappers Lane	Polyvinyl chloride	4.10 m	4.10 m
55	SP39	F26	26/05/2021	Dappers Lane	Polyvinyl chloride	2.20 m	2.20 m
56	SP40	F26	26/05/2021	Dappers Lane	Polyvinyl chloride	8.00 m	8.00 m
57	F26	JN	26/05/2021	Dappers Lane	Polyvinyl chloride	2.40 m	2.40 m
58	SP41	F27	26/05/2021	Dappers Lane	Polyvinyl chloride	2.00 m	2.00 m
59	SP42	F27	26/05/2021	Dappers Lane	Polyvinyl chloride	8.20 m	8.20 m
60	F27	JN	26/05/2021	Dappers Lane	Polyvinyl chloride	2.50 m	2.50 m
61	SP43	F28	26/05/2021	Dappers Lane	Polyvinyl chloride	1.90 m	1.90 m
62	SP44	F28	26/05/2021	Dappers Lane	Polyvinyl chloride	8.10 m	8.10 m
63	F28	JN	26/05/2021	Dappers Lane	Polyvinyl chloride	2.70 m	2.70 m
64	RE4	S15	27/05/2021	Dappers Lane	Polyvinyl chloride	10.10 m	10.10 m
65	S17	S1	27/05/2021	Dappers Lane	Polyvinyl chloride	11.90 m	11.90 m
66	RE6	S1	27/05/2021	Dappers Lane	Polyvinyl chloride	26.20 m	26.20 m
67	S19	S1	27/05/2021	Dappers Lane	Polyvinyl chloride	12.40 m	12.40 m
68	RG	S1	27/05/2021	Dappers Lane	Polyvinyl chloride	2.20 m	2.20 m
70	LD	S22	27/05/2021	Dappers Lane	Polyvinyl chloride	14.60 m	14.60 m
71	RE8	S22	27/05/2021	Dappers Lane	Polyvinyl chloride	11.50 m	11.50 m
72	RE9	S22	27/05/2021	Dappers Lane	Polyvinyl chloride	13.30 m	13.30 m
73	LD 2	S22	27/05/2021	Dappers Lane	Polyvinyl chloride	14.40 m	14.40 m
74	S22	S2	27/05/2021	Dappers Lane	Polyvinyl chloride	21.80 m	21.80 m
75	RG	S2	27/05/2021	Dappers Lane	Polyvinyl chloride	2.90 m	2.90 m
76	S21	S2	20/07/2021	Dappers Lane	Polyvinyl chloride	12.40 m	12.40 m
78	RE12	S26	27/05/2021	Dappers Lane	Polyvinyl chloride	17.70 m	17.70 m
79	LD	S26	27/05/2021	Dappers Lane	Polyvinyl chloride	14.10 m	14.10 m
80	S26	S27	27/05/2021	Dappers Lane	Polyvinyl chloride	7.10 m	7.10 m
81	S27	S3	27/05/2021	Dappers Lane	Polyvinyl chloride	11.70 m	11.70 m
82	RWP	S25	27/05/2021	Dappers Lane	Polyvinyl chloride	2.50 m	2.50 m
83	RE11	S25	27/05/2021	Dappers Lane	Polyvinyl chloride	12.20 m	12.20 m
84	S25	S27	27/05/2021	Dappers Lane	Polyvinyl chloride	10.10 m	10.10 m
86	S30	S29	27/05/2021	Dappers Lane	Polyvinyl chloride	16.50 m	16.50 m
87	LD	S29	27/05/2021	Dappers Lane	Polyvinyl chloride	16.00 m	16.00 m
88	RWP	S29	27/05/2021	Dappers Lane	Polyvinyl chloride	8.60 m	8.60 m
89	S29	S31	27/05/2021	Dappers Lane	Polyvinyl chloride	12.60 m	12.60 m
90	RWP	S30	27/05/2021	Dappers Lane	Polyvinyl chloride	2.60 m	2.60 m
91	ACO	S31	27/05/2021	Dappers Lane	Polyvinyl chloride	3.10 m	3.10 m
92	S31	S3	27/05/2021	Dappers Lane	Polyvinyl chloride	7.40 m	7.40 m
93	S14	S31	27/05/2021	Dappers Lane	Polyvinyl chloride	18.00 m	18.00 m
94	RWP	S14	28/05/2021	Dappers Lane	Polyvinyl chloride	4.50 m	4.50 m
95	RWP2	S14	28/05/2021	Dappers Lane	Polyvinyl chloride	4.20 m	4.20 m
96	LD	S32	28/05/2021	Dappers Lane	Polyvinyl chloride	14.50 m	14.50 m
97	RE14	S32	28/05/2021	Dappers Lane	Polyvinyl chloride	14.60 m	14.60 m
98	RWP	S32	28/05/2021	Dappers Lane	Polyvinyl chloride	1.40 m	1.40 m
99	S32	S32A	28/05/2021	Dappers Lane	Polyvinyl chloride	12.60 m	12.60 m
100	S32A	S6	28/05/2021	Dappers Lane	Polyvinyl chloride	2.30 m	2.30 m
103	S36	S6	28/05/2021	Dappers Lane	Polyvinyl chloride	7.00 m	7.00 m
110	LD	S34	28/05/2021	Dappers Lane	Polyvinyl chloride	31.60 m	31.60 m
111	S33	S34	28/05/2021	Dappers Lane	Polyvinyl chloride	21.70 m	21.70 m
112	S34	S10A	28/05/2021	Dappers Lane	Polyvinyl chloride	10.70 m	10.70 m
114	CAP	S10	28/05/2021	Dappers Lane	Polyvinyl chloride	22.00 m	22.00 m
115	RWP	S37A	28/05/2021	Dappers Lane	Polyvinyl chloride	2.30 m	2.30 m
116	S37A	S37	28/05/2021	Dappers Lane	Polyvinyl chloride	9.50 m	9.50 m
117	S37	S37B	28/05/2021	Dappers Lane	Polyvinyl chloride	14.40 m	14.40 m
118	S37B	S9	28/05/2021	Dappers Lane	Polyvinyl chloride	0.90 m	0.90 m
119	SP	F29A	28/05/2021	Dappers Lane	Polyvinyl chloride	2.60 m	2.60 m
120	F29A	F29B	28/05/2021	Dappers Lane	Polyvinyl chloride	5.10 m	5.10 m
121	F29B	F29C	28/05/2021	Dappers Lane	Polyvinyl chloride	2.30 m	2.30 m

Dappers Lane

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Section Profile

Project Name Dappers Lane	Project Number	Project Date 03/06/2021
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122	SP	F29C	28/05/2021	Dappers Lane	Polyvinyl chloride	2.60 m	2.60 m
123	F29C	F29D	28/05/2021	Dappers Lane	Polyvinyl chloride	7.30 m	7.30 m
124	SP	F29D	28/05/2021	Dappers Lane	Polyvinyl chloride	2.80 m	2.80 m
125	F29D	F29E	28/05/2021	Dappers Lane	Polyvinyl chloride	3.00 m	3.00 m
126	F29E	F29	28/05/2021	Dappers Lane	Polyvinyl chloride	7.60 m	7.60 m
127	F29	JN	28/05/2021	Dappers Lane	Polyvinyl chloride	3.10 m	3.10 m
130	RWP1	S14	20/07/2021	Dappers Lane	Polyvinyl chloride	5.60 m	5.60 m
131	RWP2	S14	20/07/2021	Dappers Lane	Polyvinyl chloride	5.80 m	5.80 m
132	S14	S16	20/07/2021	Dappers Lane	Polyvinyl chloride	10.80 m	10.80 m
133	A	S16	20/07/2021	Dappers Lane	Polyvinyl chloride	1.90 m	1.90 m
134	RWP	S16	20/07/2021	Dappers Lane	Polyvinyl chloride	6.20 m	6.20 m
135	S17	S16	20/07/2021	Dappers Lane	Polyvinyl chloride	3.40 m	3.40 m
136	S17.1	S17	20/07/2021	Dappers Lane	Polyvinyl chloride	15.00 m	15.00 m
137	RE	S17.1	20/07/2021	Dappers Lane	Polyvinyl chloride	13.30 m	13.30 m
138	LD	S17.1	20/07/2021	Dappers Lane	Polyvinyl chloride	0.10 m	0.10 m
139	SP45	F33.1	20/07/2021	Dappers Lane	Polyvinyl chloride	1.50 m	1.50 m
140	F33.1	F33	20/07/2021	Dappers Lane	Polyvinyl chloride	9.10 m	9.10 m
141	S15	JN	20/07/2021	Dappers Lane	Polyvinyl chloride	13.50 m	13.50 m
142	LD	S18	20/07/2021	Dappers Lane	Polyvinyl chloride	1.20 m	1.20 m
143	RE	S18	20/07/2021	Dappers Lane	Polyvinyl chloride	15.50 m	15.50 m
144	RWP	S18	20/07/2021	Dappers Lane	Polyvinyl chloride	0.80 m	0.80 m
145	S18	S19	20/07/2021	Dappers Lane	Polyvinyl chloride	14.00 m	14.00 m
146	RWP	S19	20/07/2021	Dappers Lane	Polyvinyl chloride	3.80 m	3.80 m
147	RE	S20	20/07/2021	Dappers Lane	Polyvinyl chloride	13.50 m	13.50 m
148	RWP	S20	20/07/2021	Dappers Lane	Polyvinyl chloride	1.00 m	1.00 m
149	S20	S21	20/07/2021	Dappers Lane	Polyvinyl chloride	15.70 m	15.70 m
150	ACO	S21	20/07/2021	Dappers Lane	Polyvinyl chloride	4.50 m	4.50 m
151	A	S21	20/07/2021	Dappers Lane	Polyvinyl chloride	2.10 m	2.10 m
152	SP46	F14	20/07/2021	Dappers Lane	Polyvinyl chloride	14.40 m	14.40 m
153	SP47	F20	20/07/2021	Dappers Lane	Polyvinyl chloride	9.40 m	9.40 m
154	SP48	F20	20/07/2021	Dappers Lane	Polyvinyl chloride	12.00 m	12.00 m
155	RE	S23	20/07/2021	Dappers Lane	Polyvinyl chloride	13.00 m	13.00 m
156	RWP	S23	20/07/2021	Dappers Lane	Polyvinyl chloride	1.00 m	1.00 m
157	S23	S36	20/07/2021	Dappers Lane	Polyvinyl chloride	13.20 m	13.20 m
158	ACO	S36	20/07/2021	Dappers Lane	Polyvinyl chloride	12.00 m	12.00 m
159	RWP	S36	20/07/2021	Dappers Lane	Polyvinyl chloride	18.10 m	18.10 m
160	RE24	JN	20/07/2021	Dappers Lane	Polyvinyl chloride	25.20 m	25.20 m
161	S41	S12	20/07/2021	Dappers Lane	Polyvinyl chloride	2.50 m	2.50 m
162	RE10	S12	20/07/2021	Dappers Lane	Polyvinyl chloride	17.90 m	17.90 m

Total: 147 Inspections x Circular 100 mm = 1331.40 m Total Length and 1331.20 m Inspected Length

Circular, 150 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
41	F22	F6	26/05/2021	Dappers Lane	Polyvinyl chloride	8.60 m	8.60 m
69	S1	S2	27/05/2021	Dappers Lane	Polyvinyl chloride	15.40 m	15.40 m
77	S2	S4	27/05/2021	Dappers Lane	Polyvinyl chloride	8.50 m	8.50 m
85	S3	S4	27/05/2021	Dappers Lane	Polyvinyl chloride	20.50 m	20.50 m
105	RG	S8	28/05/2021	Dappers Lane	Polyvinyl chloride	6.70 m	6.70 m
106	RG2	S8	28/05/2021	Dappers Lane	Polyvinyl chloride	11.60 m	11.60 m
113	S10A	S10	28/05/2021	Dappers Lane	Polyvinyl chloride	5.30 m	5.30 m

Total: 7 Inspections x Circular 150 mm = 76.60 m Total Length and 76.60 m Inspected Length



Section Profile

Project Name
Dappers Lane

Project Number

Project Date
03/06/2021

Circular, 225 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
101	S4	S5	28/05/2021	Dappers Lane	Polyvinyl chloride	21.50 m	21.50 m
102	S5	S6	28/05/2021	Dappers Lane	Polyvinyl chloride	14.10 m	14.10 m
104	S7	S8	28/05/2021	Dappers Lane	Polyvinyl chloride	10.00 m	10.00 m
129	S11		28/05/2021	Dappers Lane	Polyvinyl chloride	0.00 m	0.00 m

Total: 4 Inspections x Circular 225 mm = 45.60 m Total Length and 45.60 m Inspected Length

Circular, 300 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
107	S8	S9	28/05/2021	Dappers Lane	Polyvinyl chloride	13.20 m	13.20 m
108	S9	AT2	28/05/2021	Dappers Lane	Polyvinyl chloride	4.60 m	4.60 m
109	S9	S10	28/05/2021	Dappers Lane	Polyvinyl chloride	19.70 m	19.70 m
128	S10	S11	28/05/2021	Dappers Lane	Polyvinyl chloride	18.20 m	18.20 m

Total: 4 Inspections x Circular 300 mm = 55.70 m Total Length and 55.70 m Inspected Length

Total: 162 Inspections = 1509.30 m Total Length and 1509.10 m Inspected Length

Section Summary

 Project Name
 Dappers Lane

Project Number

 Project Date
 03/06/2021

Number of sections	162
Total length of sections	1509.30 m
Total length of inspected sections	1509.10 m
Total length of abandoned inspections	0.00 m
Number of abandoned inspections	8
Number of section inspection photos	735
Number of section inspection videos	161
Number of section inspection scans	0
Number of section inclination measurements	0

PLR:	SP1X	Upstream Node:	SP1
Inspection Direction:	Upstream	Downstream Node:	F18
Inspected Length:	14.40 m	Dia/Height:	100 mm
Total Length:	14.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F18
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	1.00	WL	Water level, 5% of the vertical dimension
5	4.50	WL	Water level, 0% of the vertical dimension
6	6.50	LL	Line deviates left
7	7.20	LU	Line deviates up
8	11.70	WL	Water level, 5% of the vertical dimension
9	11.90	WL	Water level, 10% of the vertical dimension
10	12.30	WL	Water level, 20% of the vertical dimension
11	13.20	WL	Water level, 10% of the vertical dimension
12	13.30	WL	Water level, 5% of the vertical dimension
13	13.50	WL	Water level, 0% of the vertical dimension
14	14.10	LU	Line deviates up
15	14.40	MHF	Finish node, manhole, reference: SP1

PLR:	SP2X	Upstream Node:	SP2
Inspection Direction:	Upstream	Downstream Node:	F18
Inspected Length:	6.20 m	Dia/Height:	100 mm
Total Length:	6.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F18

Section Summary

Project Name Dappers Lane	Project Number	Project Date 03/06/2021
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No.	m+	Code	Observation
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	4.80	LL	Line deviates left
5	5.70	LU	Line deviates up
6	6.20	MHF	Finish node, manhole, reference: SP2

PLR:	SP3X	Upstream Node:	SP3
Inspection Direction:	Upstream	Downstream Node:	F18
Inspected Length:	10.90 m	Dia/Height:	100 mm
Total Length:	10.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F18
2	0.00	WL	Water level, 0% of the vertical dimension
3	10.30	LU	Line deviates up
4	10.90	MHF	Finish node, manhole, reference: SP3

PLR:	F18X	Upstream Node:	F18
Inspection Direction:	Downstream	Downstream Node:	F3
Inspected Length:	12.60 m	Dia/Height:	100 mm
Total Length:	12.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F18
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.80	LL	Line deviates left
4	12.60	MHF	Finish node, manhole, reference: F3

PLR:	SP4X	Upstream Node:	SP4
Inspection Direction:	Upstream	Downstream Node:	F17
Inspected Length:	12.00 m	Dia/Height:	100 mm
Total Length:	12.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F17
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.60	LL	Line deviates left
4	11.50	LU	Line deviates up
5	12.00	MHF	Finish node, manhole, reference: SP4

PLR:	SP5X	Upstream Node:	SP5
Inspection Direction:	Upstream	Downstream Node:	F17
Inspected Length:	4.40 m	Dia/Height:	100 mm
Total Length:	4.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F17
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.80	LU	Line deviates up
4	4.40	MHF	Finish node, manhole, reference: SP5

Section Summary

Project Name Dappers Lane	Project Number	Project Date 03/06/2021
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PLR:	SP6X	Upstream Node:	SP6
Inspection Direction:	Upstream	Downstream Node:	F17
Inspected Length:	11.50 m	Dia/Height:	100 mm
Total Length:	11.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F17
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LR	Line deviates right
4	10.90	LU	Line deviates up
5	11.50	MHF	Finish node, manhole, reference: SP6

PLR:	F17X	Upstream Node:	F17
Inspection Direction:	Downstream	Downstream Node:	F3
Inspected Length:	10.20 m	Dia/Height:	100 mm
Total Length:	10.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F17
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.50	LR	Line deviates right
4	5.90	LR	Line deviates right
5	8.50	LD	Line deviates down
6	10.00	LR	Line deviates right
7	10.20	MHF	Finish node, manhole, reference: F3

PLR:	SP7X	Upstream Node:	SP7
Inspection Direction:	Upstream	Downstream Node:	F19
Inspected Length:	13.60 m	Dia/Height:	100 mm
Total Length:	13.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F19
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.10	LL	Line deviates left
4	11.10	LL	Line deviates left
5	13.10	LU	Line deviates up
6	13.60	MHF	Finish node, manhole, reference: SP7

PLR:	SP8X	Upstream Node:	SP8
Inspection Direction:	Upstream	Downstream Node:	F19
Inspected Length:	12.10 m	Dia/Height:	100 mm
Total Length:	12.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F19
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	2.40	LL	Line deviates left
5	7.90	LL	Line deviates left

Section Summary

Project Name Dappers Lane	Project Number	Project Date 03/06/2021
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No.	m+	Code	Observation
6	11.50	LU	Line deviates up
7	12.10	MHF	Finish node, manhole, reference: SP8

PLR:	SP9X	Upstream Node:	SP9
Inspection Direction:	Upstream	Downstream Node:	F19
Inspected Length:	2.50 m	Dia/Height:	100 mm
Total Length:	2.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F19
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LU	Line deviates up
4	1.50	MCVC	Pipe material changes to vitrified clay at this point
5	1.70	LU	Line deviates up
6	2.50	MHF	Finish node, manhole, reference: SP9

PLR:	F19X	Upstream Node:	F19
Inspection Direction:	Downstream	Downstream Node:	F3
Inspected Length:	12.00 m	Dia/Height:	100 mm
Total Length:	12.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F19
2	0.00	WL	Water level, 0% of the vertical dimension
3	10.60	LL	Line deviates left
4	11.60	LL	Line deviates left
5	12.00	MHF	Finish node, manhole, reference: F3

PLR:	SP10X	Upstream Node:	SP10
Inspection Direction:	Upstream	Downstream Node:	F16
Inspected Length:	11.40 m	Dia/Height:	100 mm
Total Length:	11.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F16
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	3.70	LL	Line deviates left
5	11.20	LU	Line deviates up
6	11.40	MHF	Finish node, manhole, reference: SP10

PLR:	SP11X	Upstream Node:	SP11
Inspection Direction:	Upstream	Downstream Node:	F16
Inspected Length:	4.20 m	Dia/Height:	100 mm
Total Length:	4.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F16
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.60	LL	Line deviates left

Section Summary

Project Name Dappers Lane	Project Number	Project Date 03/06/2021
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No.	m+	Code	Observation
4	3.60	LU	Line deviates up
5	4.20	MHF	Finish node, manhole, reference: SP11

PLR:	SP12X	Upstream Node:	SP12
Inspection Direction:	Upstream	Downstream Node:	F16
Inspected Length:	10.80 m	Dia/Height:	100 mm
Total Length:	10.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F16
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.30	LU	Line deviates up
4	10.30	LU	Line deviates up
5	10.80	MHF	Finish node, manhole, reference: SP12

PLR:	F16X	Upstream Node:	F16
Inspection Direction:	Downstream	Downstream Node:	F4
Inspected Length:	15.90 m	Dia/Height:	100 mm
Total Length:	15.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F16
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.40	LR	Line deviates right
4	7.40	LL	Line deviates left
5	8.00	LL	Line deviates left
6	11.20	DER	Settled deposits, coarse, 30% cross-sectional area loss, start
7	12.80	DER	Settled deposits, coarse, 30% cross-sectional area loss, finish
8	12.80	CUD	Loss of vision, silt, start
9	15.90	CUD	Loss of vision, silt, finish
10	15.90	MHF	Finish node, manhole, reference: F4

PLR:	SP13X	Upstream Node:	SP13
Inspection Direction:	Upstream	Downstream Node:	F15
Inspected Length:	11.10 m	Dia/Height:	100 mm
Total Length:	11.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F15
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.40	LL	Line deviates left
4	4.40	LR	Line deviates right
5	11.00	LU	Line deviates up
6	11.10	MHF	Finish node, manhole, reference: SP13

PLR:	SP14X	Upstream Node:	SP14
Inspection Direction:	Upstream	Downstream Node:	F15
Inspected Length:	3.90 m	Dia/Height:	100 mm
Total Length:	3.90 m	Material:	Polyvinyl chloride

Section Summary

Project Name Dappers Lane	Project Number	Project Date 03/06/2021
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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F15
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.30	LU	Line deviates up
4	3.90	MHF	Finish node, manhole, reference: SP14

PLR:	SP15X	Upstream Node:	SP15
Inspection Direction:	Upstream	Downstream Node:	F15
Inspected Length:	11.00 m	Dia/Height:	100 mm
Total Length:	11.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F15
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	4.10	LU	Line deviates up
5	10.50	LU	Line deviates up
6	11.00	MHF	Finish node, manhole, reference: SP15

PLR:	F15X	Upstream Node:	F15
Inspection Direction:	Downstream	Downstream Node:	F2
Inspected Length:	10.40 m	Dia/Height:	100 mm
Total Length:	10.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F15
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.30	LR	Line deviates right
4	5.80	LL	Line deviates left
5	9.90	DER	Settled deposits, coarse, 20% cross-sectional area loss, start
6	10.30	GP	General photograph taken at this point
7	10.40	DER	Settled deposits, coarse, 20% cross-sectional area loss, finish
8	10.40	MHF	Finish node, manhole, reference: F2

PLR:	SP16X	Upstream Node:	SP16
Inspection Direction:	Upstream	Downstream Node:	F13
Inspected Length:	13.00 m	Dia/Height:	100 mm
Total Length:	13.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F13
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	12.50	LU	Line deviates up
5	13.00	MHF	Finish node, manhole, reference: SP16

PLR:	SP17X	Upstream Node:	SP17
Inspection Direction:	Upstream	Downstream Node:	F13
Inspected Length:	8.90 m	Dia/Height:	100 mm
Total Length:	8.90 m	Material:	Polyvinyl chloride

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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F13
2	0.00	WL	Water level, 0% of the vertical dimension
3	8.20	LU	Line deviates up
4	8.90	MHF	Finish node, manhole, reference: SP17

PLR:	SP18X	Upstream Node:	SP18
Inspection Direction:	Upstream	Downstream Node:	F13
Inspected Length:	12.70 m	Dia/Height:	100 mm
Total Length:	12.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F13
2	0.00	WL	Water level, 0% of the vertical dimension
3	5.10	LR	Line deviates right
4	12.10	LU	Line deviates up
5	12.70	MHF	Finish node, manhole, reference: SP18

PLR:	F13X	Upstream Node:	F13
Inspection Direction:	Downstream	Downstream Node:	F1
Inspected Length:	10.80 m	Dia/Height:	100 mm
Total Length:	10.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F13
2	0.00	WL	Water level, 0% of the vertical dimension
3	9.50	LL	Line deviates left
4	10.10	WL	Water level, 5% of the vertical dimension
5	10.20	WL	Water level, 10% of the vertical dimension
6	10.30	WL	Water level, 30% of the vertical dimension
7	10.40	WL	Water level, 40% of the vertical dimension
8	10.70	WL	Water level, 10% of the vertical dimension
9	10.80	MHF	Finish node, manhole, reference: F1

PLR:	F33X	Upstream Node:	F33
Inspection Direction:	Upstream	Downstream Node:	F12
Inspected Length:	8.30 m	Dia/Height:	100 mm
Total Length:	8.30 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F12
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	8.30	MHF	Finish node, manhole, reference: F33

PLR:	SP19X	Upstream Node:	SP19
Inspection Direction:	Upstream	Downstream Node:	F12
Inspected Length:	7.40 m	Dia/Height:	100 mm
Total Length:	7.40 m	Material:	Polyvinyl chloride

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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F12
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.10	LU	Line deviates up
4	6.90	LU	Line deviates up
5	7.40	MHF	Finish node, manhole, reference: SP19

PLR:	SP20X	Upstream Node:	SP20
Inspection Direction:	Upstream	Downstream Node:	F12
Inspected Length:	6.80 m	Dia/Height:	100 mm
Total Length:	8.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F12
2	0.00	WL	Water level, 0% of the vertical dimension
3	8.30	LU	Line deviates up
4	8.80	MHF	Finish node, manhole, reference: SP20

PLR:	F12X	Upstream Node:	F12
Inspection Direction:	Downstream	Downstream Node:	F1
Inspected Length:	13.50 m	Dia/Height:	100 mm
Total Length:	13.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F12
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.10	LD	Line deviates down
4	6.10	LR	Line deviates right
5	9.50	WL	Water level, 5% of the vertical dimension
6	9.90	WL	Water level, 10% of the vertical dimension
7	10.20	WL	Water level, 30% of the vertical dimension
8	10.50	WL	Water level, 40% of the vertical dimension
9	10.60	CUW	Loss of vision, camera under water
10	13.50	MHF	Finish node, manhole, reference: F1

PLR:	SP21X	Upstream Node:	SP21
Inspection Direction:	Upstream	Downstream Node:	F11
Inspected Length:	6.20 m	Dia/Height:	100 mm
Total Length:	6.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F11
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.90	WL	Water level, 5% of the vertical dimension
4	1.30	WL	Water level, 10% of the vertical dimension
5	2.30	WL	Water level, 5% of the vertical dimension
6	4.60	LL	Line deviates left
7	5.60	LU	Line deviates up
8	6.20	MHF	Finish node, manhole, reference: SP21

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PLR:	SP22X	Upstream Node:	SP22
Inspection Direction:	Upstream	Downstream Node:	F11
Inspected Length:	13.10 m	Dia/Height:	100 mm
Total Length:	13.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F11
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.50	LR	Line deviates right
4	10.10	LL	Line deviates left
5	12.40	LU	Line deviates up
6	13.10	MHF	Finish node, manhole, reference: SP22

PLR:	F11X	Upstream Node:	F11
Inspection Direction:	Downstream	Downstream Node:	F1
Inspected Length:	10.00 m	Dia/Height:	100 mm
Total Length:	10.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F11
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.30	LL	Line deviates left
4	6.90	LR	Line deviates right
5	9.20	WL	Water level, 5% of the vertical dimension
6	9.30	WL	Water level, 10% of the vertical dimension
7	9.40	WL	Water level, 20% of the vertical dimension
8	10.00	MHF	Finish node, manhole, reference: F1

PLR:	SP23X	Upstream Node:	SP23
Inspection Direction:	Upstream	Downstream Node:	F32
Inspected Length:	0.80 m	Dia/Height:	100 mm
Total Length:	0.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F32
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.40	LU	Line deviates up
4	0.80	MHF	Finish node, manhole, reference: SP23

PLR:	SP24X	Upstream Node:	SP24
Inspection Direction:	Upstream	Downstream Node:	F32
Inspected Length:	3.20 m	Dia/Height:	100 mm
Total Length:	3.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F32
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	2.30	LR	Line deviates right
5	3.10	DEC	Settled deposits, hard or compacted, 100% cross-sectional area loss

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No.	m+	Code	Observation
6	3.20	SA	Survey abandoned
PLR: F32X Inspection Direction: Downstream Inspected Length: 7.70 m Total Length: 7.70 m Upstream Node: F32 Downstream Node: F31 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F32
2	0.00	WL	Water level, 0% of the vertical dimension
3	7.60	LR	Line deviates right
4	7.70	MHF	Finish node, manhole, reference: F31
PLR: F31X Inspection Direction: Downstream Inspected Length: 5.30 m Total Length: 5.30 m Upstream Node: F31 Downstream Node: F14 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F31
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	1.40	WL	Water level, 5% of the vertical dimension
5	3.80	WL	Water level, 15% of the vertical dimension
6	4.30	WL	Water level, 20% of the vertical dimension
7	4.60	WL	Water level, 40% of the vertical dimension
8	5.10	LR	Line deviates right
9	5.30	MHF	Finish node, manhole, reference: F14
PLR: F14X Inspection Direction: Downstream Inspected Length: 1.00 m Total Length: 1.00 m Upstream Node: F14 Downstream Node: F2 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	GP	General photograph taken at this point
2	0.00	MH	Start node, manhole, reference: F14
3	0.00	CUW	Loss of vision, camera under water
4	1.00	SA	Survey abandoned
PLR: SP25X Inspection Direction: Upstream Inspected Length: 7.80 m Total Length: 7.80 m Upstream Node: SP25 Downstream Node: F14 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	GP	General photograph taken at this point
2	0.00	CUW	Loss of vision, camera under water
3	0.00	MH	Start node, manhole, reference: F14
4	0.90	WL	Water level, 30% of the vertical dimension

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No.	m+	Code	Observation
5	1.00	WL	Water level, 10% of the vertical dimension
6	1.00	WL	Water level, 5% of the vertical dimension
7	1.20	WL	Water level, 0% of the vertical dimension
8	7.50	LU	Line deviates up
9	7.80	MHF	Finish node, manhole, reference: SP25
PLR: SP26X Inspection Direction: Upstream Inspected Length: 15.10 m Total Length: 15.10 m Upstream Node: SP26 Downstream Node: F22 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F22
2	0.00	WL	Water level, 0% of the vertical dimension
3	7.20	LL	Line deviates left
4	14.60	LU	Line deviates up
5	15.10	MHF	Finish node, manhole, reference: SP26
PLR: SP27X Inspection Direction: Upstream Inspected Length: 7.40 m Total Length: 7.40 m Upstream Node: SP27 Downstream Node: F22 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F22
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	6.80	LR	Line deviates right
5	6.90	LU	Line deviates up
6	7.40	MHF	Finish node, manhole, reference: SP27
PLR: SP28X Inspection Direction: Upstream Inspected Length: 11.70 m Total Length: 11.70 m Upstream Node: SP28 Downstream Node: F22 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F22
2	0.00	WL	Water level, 0% of the vertical dimension
3	11.30	LU	Line deviates up
4	11.70	MHF	Finish node, manhole, reference: SP28
PLR: F22X Inspection Direction: Downstream Inspected Length: 8.60 m Total Length: 8.60 m Upstream Node: F22 Downstream Node: F8 Dia/Height: 150 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F22
2	0.00	WL	Water level, 0% of the vertical dimension

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No.	m+	Code	Observation
3	0.50	LD	Line deviates down
4	6.50	LL	Line deviates left
5	8.60	MHF	Finish node, manhole, reference: F6

PLR:	SP29X	Upstream Node:	SP29
Inspection Direction:	Upstream	Downstream Node:	F20
Inspected Length:	14.80 m	Dia/Height:	100 mm
Total Length:	15.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	REM	General remark
2	0.00	MH	Start node, manhole, reference: F20
3	0.00	CUW	Loss of vision, camera under water
4	6.20	WL	Water level, 50% of the vertical dimension
5	6.30	WL	Water level, 30% of the vertical dimension
6	6.50	WL	Water level, 20% of the vertical dimension
7	6.90	WL	Water level, 10% of the vertical dimension
8	7.30	LL	Line deviates left
9	14.50	LU	Line deviates up
10	14.80	MHF	Finish node, manhole, reference: SP29

PLR:	SP30X	Upstream Node:	SP30
Inspection Direction:	Upstream	Downstream Node:	F21
Inspected Length:	11.90 m	Dia/Height:	100 mm
Total Length:	11.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F21
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.80	LL	Line deviates left
4	4.00	LR	Line deviates right
5	7.00	LL	Line deviates left
6	11.40	LU	Line deviates up
7	11.90	MHF	Finish node, manhole, reference: SP30

PLR:	SP31X	Upstream Node:	SP31
Inspection Direction:	Upstream	Downstream Node:	F21
Inspected Length:	4.20 m	Dia/Height:	100 mm
Total Length:	4.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F21
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.60	LU	Line deviates up
4	4.20	MHF	Finish node, manhole, reference: SP31

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PLR:	F21X	Upstream Node:	F21
Inspection Direction:	Downstream	Downstream Node:	FA
Inspected Length:	9.70 m	Dia/Height:	100 mm
Total Length:	9.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F21
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.80	LL	Line deviates left
4	6.30	DER	Settled deposits, coarse, 20% cross-sectional area loss, start
5	8.90	DER	Settled deposits, coarse, 20% cross-sectional area loss, finish
6	8.90	DER	Settled deposits, coarse, 50% cross-sectional area loss
7	9.70	MHF	Finish node, manhole, reference: FA

PLR:	SP32X	Upstream Node:	SP32
Inspection Direction:	Upstream	Downstream Node:	F21
Inspected Length:	11.40 m	Dia/Height:	100 mm
Total Length:	11.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F21
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	10.00	LR	Line deviates right
5	10.70	LU	Line deviates up
6	11.40	MHF	Finish node, manhole, reference: SP32

PLR:	SP33X	Upstream Node:	SP33
Inspection Direction:	Upstream	Downstream Node:	F23
Inspected Length:	7.40 m	Dia/Height:	100 mm
Total Length:	7.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F23
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	6.70	LU	Line deviates up
5	7.40	MHF	Finish node, manhole, reference: SP33

PLR:	SP34X	Upstream Node:	SP34
Inspection Direction:	Upstream	Downstream Node:	F23
Inspected Length:	7.20 m	Dia/Height:	100 mm
Total Length:	7.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F23
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	6.90	LU	Line deviates up
5	7.20	MHF	Finish node, manhole, reference: SP34

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PLR:	SP35X	Upstream Node:	SP35
Inspection Direction:	Upstream	Downstream Node:	F23
Inspected Length:	2.50 m	Dia/Height:	100 mm
Total Length:	2.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F23
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.40	LU	Line deviates up
4	2.50	MHF	Finish node, manhole, reference: SP35

PLR:	F23X	Upstream Node:	F23
Inspection Direction:	Downstream	Downstream Node:	F25
Inspected Length:	7.20 m	Dia/Height:	100 mm
Total Length:	7.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F23
2	0.00	WL	Water level, 0% of the vertical dimension
3	6.60	DES	Settled deposits, fine, 15% cross-sectional area loss, start
4	6.80	DES	Settled deposits, fine, 40% cross-sectional area loss, change
5	7.00	DES	Settled deposits, fine, 40% cross-sectional area loss, finish
6	7.00	CUD	Loss of vision, silt
7	7.20	MHF	Finish node, manhole, reference: F25

PLR:	SP36X	Upstream Node:	SP36
Inspection Direction:	Upstream	Downstream Node:	F24
Inspected Length:	4.00 m	Dia/Height:	100 mm
Total Length:	4.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F24
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.80	LL	Line deviates left
4	3.60	LU	Line deviates up
5	4.00	MHF	Finish node, manhole, reference: SP36

PLR:	SP37X	Upstream Node:	SP37
Inspection Direction:	Upstream	Downstream Node:	F24
Inspected Length:	7.50 m	Dia/Height:	100 mm
Total Length:	7.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F24
2	0.00	WL	Water level, 0% of the vertical dimension
3	6.60	LU	Line deviates up
4	7.50	MHF	Finish node, manhole, reference: SP37

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PLR:	SP38X	Upstream Node:	SP38
Inspection Direction:	Upstream	Downstream Node:	F24
Inspected Length:	6.00 m	Dia/Height:	100 mm
Total Length:	6.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F24
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	5.40	LU	Line deviates up
5	6.00	MHF	Finish node, manhole, reference: SP38

PLR:	F24X	Upstream Node:	F24
Inspection Direction:	Downstream	Downstream Node:	F25
Inspected Length:	4.10 m	Dia/Height:	100 mm
Total Length:	4.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F24
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	0.10	LD	Line deviates down
5	1.30	WL	Water level, 5% of the vertical dimension
6	1.50	WL	Water level, 15% of the vertical dimension
7	1.60	WL	Water level, 20% of the vertical dimension
8	1.70	WL	Water level, 50% of the vertical dimension
9	2.00	CUW	Loss of vision, camera under water
10	4.10	MHF	Finish node, manhole, reference: F25

PLR:	SP39X	Upstream Node:	SP39
Inspection Direction:	Upstream	Downstream Node:	F26
Inspected Length:	2.20 m	Dia/Height:	100 mm
Total Length:	2.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F26
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	0.60	LL	Line deviates left
5	1.50	LU	Line deviates up
6	2.20	MHF	Finish node, manhole, reference: SP39

PLR:	SP40X	Upstream Node:	SP40
Inspection Direction:	Upstream	Downstream Node:	F26
Inspected Length:	8.00 m	Dia/Height:	100 mm
Total Length:	8.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F26
2	0.00	WL	Water level, 0% of the vertical dimension



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No.	m+	Code	Observation
3	1.60	LR	Line deviates right
4	2.50	LR	Line deviates right
5	7.60	LU	Line deviates up
6	8.00	MHF	Finish node, manhole, reference: SP40

PLR:	F26X	Upstream Node:	F26
Inspection Direction:	Downstream	Downstream Node:	JN
Inspected Length:	2.40 m	Dia/Height:	100 mm
Total Length:	2.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F26
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LD	Line deviates down
4	0.10	LL	Line deviates left
5	2.20	LL	Line deviates left
6	2.20	LD	Line deviates down
7	2.40	BRF	Finish node, major connection without manhole, reference: JN

PLR:	SP41X	Upstream Node:	SP41
Inspection Direction:	Upstream	Downstream Node:	F27
Inspected Length:	2.00 m	Dia/Height:	100 mm
Total Length:	2.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F27
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LU	Line deviates up
4	1.60	LU	Line deviates up
5	2.00	MHF	Finish node, manhole, reference: SP41

PLR:	SP42X	Upstream Node:	SP42
Inspection Direction:	Upstream	Downstream Node:	F27
Inspected Length:	8.20 m	Dia/Height:	100 mm
Total Length:	8.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F27
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.70	LR	Line deviates right
4	2.00	LR	Line deviates right
5	7.80	LU	Line deviates up
6	8.20	MHF	Finish node, manhole, reference: SP42

PLR:	F27X	Upstream Node:	F27
Inspection Direction:	Downstream	Downstream Node:	JN
Inspected Length:	2.50 m	Dia/Height:	100 mm
Total Length:	2.50 m	Material:	Polyvinyl chloride

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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F27
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LD	Line deviates down
4	1.80	DER	Settled deposits, coarse, 15% cross-sectional area loss
5	2.40	LL	Line deviates left
6	2.50	BRF	Finish node, major connection without manhole, reference: JN

PLR:	SP43X	Upstream Node:	SP43
Inspection Direction:	Upstream	Downstream Node:	F28
Inspected Length:	1.90 m	Dia/Height:	100 mm
Total Length:	1.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F28
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.40	LU	Line deviates up
4	1.90	MHF	Finish node, manhole, reference: SP43

PLR:	SP44X	Upstream Node:	SP44
Inspection Direction:	Upstream	Downstream Node:	F28
Inspected Length:	8.10 m	Dia/Height:	100 mm
Total Length:	8.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F28
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.90	LR	Line deviates right
4	7.60	LU	Line deviates up
5	8.10	MHF	Finish node, manhole, reference: SP44

PLR:	F28X	Upstream Node:	F28
Inspection Direction:	Downstream	Downstream Node:	JN
Inspected Length:	2.70 m	Dia/Height:	100 mm
Total Length:	2.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F28
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LD	Line deviates down
4	2.50	LL	Line deviates left
5	2.50	LD	Line deviates down
6	2.70	BRF	Finish node, major connection without manhole, reference: JN

PLR:	RE4X	Upstream Node:	RE4
Inspection Direction:	Upstream	Downstream Node:	S15
Inspected Length:	10.10 m	Dia/Height:	100 mm
Total Length:	10.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S15

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No.	m+	Code	Observation
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LR	Line deviates right
4	1.20	JN	Junction at 3 o'clock, 100mm dia
5	1.60	WL	Water level, 5% of the vertical dimension
6	5.60	JN	Junction at 3 o'clock, 100mm dia
7	9.70	JN	Junction at 3 o'clock, 100mm dia
8	9.90	LU	Line deviates up
9	10.10	MHF	Finish node, manhole, reference: RE4

PLR:	S17X	Upstream Node:	S17
Inspection Direction:	Downstream	Downstream Node:	S1
Inspected Length:	11.90 m	Dia/Height:	100 mm
Total Length:	11.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S17
2	0.00	WL	Water level, 0% of the vertical dimension
3	7.30	WL	Water level, 5% of the vertical dimension
4	8.80	WL	Water level, 0% of the vertical dimension
5	11.90	MHF	Finish node, manhole, reference: S1

PLR:	RE6X	Upstream Node:	RE6
Inspection Direction:	Upstream	Downstream Node:	S1
Inspected Length:	26.20 m	Dia/Height:	100 mm
Total Length:	26.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S1
2	0.00	WL	Water level, 0% of the vertical dimension
3	8.60	JN	Junction at 3 o'clock, 100mm dia
4	13.10	JN	Junction at 10 o'clock, 100mm dia
5	15.10	JN	Junction at 3 o'clock, 100mm dia
6	15.60	JN	Junction at 3 o'clock, 100mm dia
7	16.20	WL	Water level, 5% of the vertical dimension
8	17.30	WL	Water level, 10% of the vertical dimension
9	19.00	WL	Water level, 5% of the vertical dimension
10	19.80	WL	Water level, 0% of the vertical dimension
11	22.80	JN	Junction at 9 o'clock, 100mm dia
12	23.50	JN	Junction at 9 o'clock, 100mm dia
13	25.80	LU	Line deviates up
14	26.20	MHF	Finish node, manhole, reference: RE6

PLR:	S19X	Upstream Node:	S19
Inspection Direction:	Upstream	Downstream Node:	S1
Inspected Length:	12.40 m	Dia/Height:	100 mm
Total Length:	12.40 m	Material:	Polyvinyl chloride

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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S1
2	0.00	WL	Water level, 0% of the vertical dimension
3	5.30	LL	Line deviates left
4	12.10	LR	Line deviates right
5	12.40	MHF	Finish node, manhole, reference: S19

PLR:	RGX	Upstream Node:	RG
Inspection Direction:	Upstream	Downstream Node:	S1
Inspected Length:	2.20 m	Dia/Height:	100 mm
Total Length:	2.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S1
2	0.00	DES	Settled deposits, fine, 30% cross-sectional area loss, start
3	0.50	CUD	Loss of vision, silt, start
4	0.50	DES	Settled deposits, fine, 30% cross-sectional area loss, finish
5	2.20	CUD	Loss of vision, silt, finish
6	2.20	MHF	Finish node, manhole, reference: RG

PLR:	S1X	Upstream Node:	S1
Inspection Direction:	Downstream	Downstream Node:	S2
Inspected Length:	15.40 m	Dia/Height:	150 mm
Total Length:	15.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S1
2	0.00	WL	Water level, 0% of the vertical dimension
3	6.60	WL	Water level, 5% of the vertical dimension
4	6.60	WL	Water level, 10% of the vertical dimension
5	8.20	WL	Water level, 5% of the vertical dimension
6	14.00	WL	Water level, 0% of the vertical dimension
7	15.40	MHF	Finish node, manhole, reference: S2

PLR:	LDX	Upstream Node:	LD
Inspection Direction:	Upstream	Downstream Node:	S22
Inspected Length:	14.60 m	Dia/Height:	100 mm
Total Length:	14.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S22
2	0.00	WL	Water level, 0% of the vertical dimension
3	14.60	REF	Finish node, rodding eye, reference: LD

PLR:	RE8X	Upstream Node:	RE8
Inspection Direction:	Upstream	Downstream Node:	S22
Inspected Length:	11.50 m	Dia/Height:	100 mm
Total Length:	11.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S22

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No.	m+	Code	Observation
2	0.00	WL	Water level, 0% of the vertical dimension
3	5.60	JN	Junction at 9 o'clock, 100mm dia
4	11.40	JN	Junction at 9 o'clock, 100mm dia
5	11.50	SA	Survey abandoned

PLR:	RE9X	Upstream Node:	RE9
Inspection Direction:	Upstream	Downstream Node:	S22
Inspected Length:	13.30 m	Dia/Height:	100 mm
Total Length:	13.30 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S22
2	0.00	WL	Water level, 10% of the vertical dimension
3	2.40	JN	Junction at 3 o'clock, 100mm dia
4	3.70	WL	Water level, 5% of the vertical dimension
5	6.00	WL	Water level, 0% of the vertical dimension
6	8.10	JN	Junction at 3 o'clock, 100mm dia
7	13.20	JN	Junction at 3 o'clock, 100mm dia
8	13.30	SA	Survey abandoned

PLR:	LD 2X	Upstream Node:	LD 2
Inspection Direction:	Upstream	Downstream Node:	S22
Inspected Length:	14.40 m	Dia/Height:	100 mm
Total Length:	14.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S22
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	14.30	LU	Line deviates up
5	14.40	MHF	Finish node, manhole, reference: LD 2

PLR:	S22X	Upstream Node:	S22
Inspection Direction:	Downstream	Downstream Node:	S2
Inspected Length:	21.80 m	Dia/Height:	100 mm
Total Length:	21.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S22
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.10	JN	Junction at 3 o'clock, 100mm dia
4	8.50	DER	Settled deposits, coarse, 5% cross-sectional area loss
5	9.20	WL	Water level, 10% of the vertical dimension
6	10.20	WL	Water level, 20% of the vertical dimension
7	10.70	JN	Junction at 1 o'clock, 100mm dia
8	11.30	WL	Water level, 10% of the vertical dimension
9	12.50	DER	Settled deposits, coarse, 10% cross-sectional area loss, start
10	17.00	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish

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No.	m+	Code	Observation
11	17.60	WL	Water level, 5% of the vertical dimension
12	19.90	LL	Line deviates left
13	21.80	MHF	Finish node, manhole, reference: S2

PLR:	RGX	Upstream Node:	RG
Inspection Direction:	Upstream	Downstream Node:	S2
Inspected Length:	2.90 m	Dia/Height:	100 mm
Total Length:	2.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S2
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.00	DER	Settled deposits, coarse, 10% cross-sectional area loss, start
4	1.40	DER	Settled deposits, coarse, 15% cross-sectional area loss, change
5	2.90	DER	Settled deposits, coarse, 15% cross-sectional area loss, finish
6	2.90	MHF	Finish node, manhole, reference: RG

PLR:	S21X	Upstream Node:	S21
Inspection Direction:	Downstream	Downstream Node:	S2
Inspected Length:	12.40 m	Dia/Height:	100 mm
Total Length:	12.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S21
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	6.90	LR	Line deviates right
5	7.00	WL	Water level, 10% of the vertical dimension
6	7.20	JN	Junction at 2 o'clock, 100mm dia
7	12.40	MHF	Finish node, manhole, reference: S2

PLR:	S2X	Upstream Node:	S2
Inspection Direction:	Downstream	Downstream Node:	S4
Inspected Length:	8.50 m	Dia/Height:	150 mm
Total Length:	8.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S2
2	0.00	WL	Water level, 0% of the vertical dimension
3	8.50	MHF	Finish node, manhole, reference: S4

PLR:	RE12X	Upstream Node:	RE12
Inspection Direction:	Upstream	Downstream Node:	S26
Inspected Length:	17.70 m	Dia/Height:	100 mm
Total Length:	17.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S26
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right

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No.	m+	Code	Observation
4	0.40	WL	Water level, 5% of the vertical dimension
5	0.50	JN	Junction at 3 o'clock, 100mm dia
6	0.60	SR	Sealing ring intruding, loop hanging above centre from 12 o'clock to 3 o'clock
7	2.00	WL	Water level, 0% of the vertical dimension
8	4.60	JN	Junction at 3 o'clock, 100mm dia
9	4.70	WL	Water level, 10% of the vertical dimension
10	10.00	WL	Water level, 0% of the vertical dimension
11	10.30	JN	Junction at 3 o'clock, 100mm dia
12	15.80	JN	Junction at 3 o'clock, 100mm dia
13	16.90	LU	Line deviates up
14	17.70	MHF	Finish node, manhole, reference: RE12

PLR:	LDX	Upstream Node:	LD
Inspection Direction:	Upstream	Downstream Node:	S26
Inspected Length:	14.10 m	Dia/Height:	100 mm
Total Length:	14.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S26
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	14.10	MHF	Finish node, manhole, reference: LD

PLR:	S26X	Upstream Node:	S26
Inspection Direction:	Downstream	Downstream Node:	S27
Inspected Length:	7.10 m	Dia/Height:	100 mm
Total Length:	7.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S26
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	7.10	MHF	Finish node, manhole, reference: S27

PLR:	S27X	Upstream Node:	S27
Inspection Direction:	Downstream	Downstream Node:	S3
Inspected Length:	11.70 m	Dia/Height:	100 mm
Total Length:	11.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S27
2	0.00	MH	Start node, manhole, reference: S27
3	0.10	DER	Settled deposits, coarse, 15% cross-sectional area loss, start
4	1.50	JN	Junction at 10 o'clock, 100mm dia
5	7.00	DER	Settled deposits, coarse, 15% cross-sectional area loss, finish
6	7.20	LL	Line deviates left
7	11.70	MHF	Finish node, manhole, reference: S3



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PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S25
Inspected Length:	2.50 m	Dia/Height:	100 mm
Total Length:	2.50 m	Material:	Polyvinyl chloride
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S25
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	2.00	LU	Line deviates up
5	2.50	MHF	Finish node, manhole, reference: RWP
PLR:	RE11X	Upstream Node:	RE11
Inspection Direction:	Upstream	Downstream Node:	S25
Inspected Length:	12.20 m	Dia/Height:	100 mm
Total Length:	12.20 m	Material:	Polyvinyl chloride
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S25
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	5.60	JN	Junction at 9 o'clock, 100mm dia
5	12.00	JN	Junction at 9 o'clock, 100mm dia
6	12.20	SA	Survey abandoned
PLR:	S25X	Upstream Node:	S25
Inspection Direction:	Downstream	Downstream Node:	S27
Inspected Length:	10.10 m	Dia/Height:	100 mm
Total Length:	10.10 m	Material:	Polyvinyl chloride
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S25
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	9.90	LR	Line deviates right
5	10.10	MHF	Finish node, manhole, reference: S27
PLR:	S3X	Upstream Node:	S3
Inspection Direction:	Upstream	Downstream Node:	S4
Inspected Length:	20.50 m	Dia/Height:	150 mm
Total Length:	20.50 m	Material:	Polyvinyl chloride
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S4
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.60	WL	Water level, 5% of the vertical dimension
4	6.40	JN	Junction at 12 o'clock, 100mm dia
5	10.00	WL	Water level, 10% of the vertical dimension
6	10.30	JN	Junction at 10 o'clock, 100mm dia
7	11.40	WL	Water level, 5% of the vertical dimension

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No.	m+	Code	Observation
8	20.50	MHF	Finish node, manhole, reference: S3
PLR: S30X Inspection Direction: Upstream Inspected Length: 16.50 m Total Length: 16.50 m Upstream Node: S30 Downstream Node: S29 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S29
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.20	JN	Junction at 3 o'clock, 100mm dia
4	6.70	JN	Junction at 3 o'clock, 100mm dia
5	12.50	JN	Junction at 3 o'clock, 100mm dia
6	16.50	MHF	Finish node, manhole, reference: S30
PLR: LDX Inspection Direction: Upstream Inspected Length: 16.00 m Total Length: 16.00 m Upstream Node: LD Downstream Node: S29 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S29
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.80	LR	Line deviates right
4	15.60	DER	Settled deposits, coarse, 100% cross-sectional area loss
5	16.00	MHF	Finish node, manhole, reference: LD
PLR: RWPX Inspection Direction: Upstream Inspected Length: 8.60 m Total Length: 8.60 m Upstream Node: RWP Downstream Node: S29 Dia/Height: 100 mm Material: Polyvinyl chloride			
No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S29
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	0.10	WL	Water level, 5% of the vertical dimension
5	0.60	LL	Line deviates left
6	1.10	WL	Water level, 10% of the vertical dimension
7	2.80	WL	Water level, 5% of the vertical dimension
8	3.50	WL	Water level, 0% of the vertical dimension
9	7.00	LR	Line deviates right
10	8.20	LU	Line deviates up
11	8.60	MHF	Finish node, manhole, reference: RWP
PLR: S29X Inspection Direction: Downstream Inspected Length: 12.60 m Total Length: 12.60 m Upstream Node: S29 Downstream Node: S31 Dia/Height: 100 mm Material: Polyvinyl chloride			

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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S29
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	8.40	DER	Settled deposits, coarse, 10% cross-sectional area loss, start
5	8.90	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish
6	9.00	JN	Junction at 10 o'clock, 100mm dia
7	11.40	DES	Settled deposits, fine, 10% cross-sectional area loss, start
8	12.20	LR	Line deviates right
9	12.60	DES	Settled deposits, fine, 10% cross-sectional area loss, finish
10	12.60	MHF	Finish node, manhole, reference: S31

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S30
Inspected Length:	2.60 m	Dia/Height:	100 mm
Total Length:	2.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S30
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	JN	Junction at 3 o'clock, 100mm dia
4	0.40	WL	Water level, 5% of the vertical dimension
5	1.60	WL	Water level, 10% of the vertical dimension
6	1.90	LR	Line deviates right
7	2.20	LU	Line deviates up
8	2.60	MHF	Finish node, manhole, reference: RWP

PLR:	ACOX	Upstream Node:	ACO
Inspection Direction:	Upstream	Downstream Node:	S31
Inspected Length:	3.10 m	Dia/Height:	100 mm
Total Length:	3.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S31
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.50	LU	Line deviates up
4	3.10	MHF	Finish node, manhole, reference: ACO

PLR:	S31X	Upstream Node:	S31
Inspection Direction:	Downstream	Downstream Node:	S3
Inspected Length:	7.40 m	Dia/Height:	100 mm
Total Length:	7.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S31
2	0.00	WL	Water level, 10% of the vertical dimension
3	0.30	WL	Water level, 30% of the vertical dimension
4	1.00	CUW	Loss of vision, camera under water
5	4.50	WL	Water level, 30% of the vertical dimension

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No.	m+	Code	Observation
6	5.00	WL	Water level, 10% of the vertical dimension
7	7.00	WL	Water level, 0% of the vertical dimension
8	7.40	MHF	Finish node, manhole, reference: S3

PLR:	S14X	Upstream Node:	S14
Inspection Direction:	Upstream	Downstream Node:	S31
Inspected Length:	18.00 m	Dia/Height:	100 mm
Total Length:	18.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S31
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	WL	Water level, 5% of the vertical dimension
4	0.30	WL	Water level, 10% of the vertical dimension
5	0.90	WL	Water level, 15% of the vertical dimension
6	2.00	WL	Water level, 10% of the vertical dimension
7	6.00	WL	Water level, 5% of the vertical dimension
8	14.20	JN	Junction at 9 o'clock, 100mm dia
9	17.90	LL	Line deviates left
10	18.00	MHF	Finish node, manhole, reference: S14

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S14
Inspected Length:	4.50 m	Dia/Height:	100 mm
Total Length:	4.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S14
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	4.10	LU	Line deviates up
5	4.50	MHF	Finish node, manhole, reference: RWP

PLR:	RWP2X	Upstream Node:	RWP2
Inspection Direction:	Upstream	Downstream Node:	S14
Inspected Length:	4.20 m	Dia/Height:	100 mm
Total Length:	4.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S14
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.20	WL	Water level, 10% of the vertical dimension
4	1.50	WL	Water level, 5% of the vertical dimension
5	1.60	WL	Water level, 0% of the vertical dimension
6	3.70	LU	Line deviates up
7	4.20	MHF	Finish node, manhole, reference: RWP2

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PLR:	LDX	Upstream Node:	LD
Inspection Direction:	Upstream	Downstream Node:	S32
Inspected Length:	14.50 m	Dia/Height:	100 mm
Total Length:	14.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S32
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	4.10	WL	Water level, 5% of the vertical dimension
5	4.70	WL	Water level, 0% of the vertical dimension
6	5.60	WL	Water level, 5% of the vertical dimension
7	6.70	WL	Water level, 10% of the vertical dimension
8	6.90	WL	Water level, 30% of the vertical dimension
9	7.30	WL	Water level, 50% of the vertical dimension
10	7.50	CUW	Loss of vision, camera under water
11	8.10	WL	Water level, 50% of the vertical dimension
12	8.20	WL	Water level, 30% of the vertical dimension
13	8.50	WL	Water level, 50% of the vertical dimension
14	8.60	CUW	Loss of vision, camera under water
15	10.40	WL	Water level, 30% of the vertical dimension
16	10.60	WL	Water level, 10% of the vertical dimension
17	10.80	WL	Water level, 0% of the vertical dimension
18	13.50	WL	Water level, 5% of the vertical dimension
19	14.00	WL	Water level, 20% of the vertical dimension
20	14.50	MHF	Finish node, manhole, reference: Land Drain

PLR:	RE14X	Upstream Node:	RE14
Inspection Direction:	Upstream	Downstream Node:	S32
Inspected Length:	14.60 m	Dia/Height:	100 mm
Total Length:	14.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S32
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	3.60	JN	Junction at 9 o'clock, 100mm dia
5	8.30	JN	Junction at 9 o'clock, 100mm dia
6	13.60	JN	Junction at 9 o'clock, 100mm dia
7	13.60	LU	Line deviates up
8	14.60	MHF	Finish node, manhole, reference: RE14

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S32
Inspected Length:	1.40 m	Dia/Height:	100 mm
Total Length:	1.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S32

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No.	m+	Code	Observation
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.60	LU	Line deviates up
4	1.40	MHF	Finish node, manhole, reference: RWP

PLR:	S32X	Upstream Node:	S32
Inspection Direction:	Downstream	Downstream Node:	S32A
Inspected Length:	12.60 m	Dia/Height:	100 mm
Total Length:	12.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S32
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LR	Line deviates right
4	0.60	DER	Settled deposits, coarse, 10% cross-sectional area loss
5	1.60	JN	Junction at 3 o'clock, 100mm dia
6	8.90	JN	Junction at 3 o'clock, 100mm dia
7	12.60	MHF	Finish node, manhole, reference: S32A

PLR:	S32AX	Upstream Node:	S32A
Inspection Direction:	Downstream	Downstream Node:	S6
Inspected Length:	2.30 m	Dia/Height:	100 mm
Total Length:	2.30 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S32A
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.30	MHF	Finish node, manhole, reference: S6

PLR:	S4X	Upstream Node:	S4
Inspection Direction:	Downstream	Downstream Node:	S5
Inspected Length:	21.50 m	Dia/Height:	225 mm
Total Length:	21.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S4
2	0.00	WL	Water level, 0% of the vertical dimension
3	10.30	WL	Water level, 5% of the vertical dimension
4	15.10	WL	Water level, 0% of the vertical dimension
5	21.50	MHF	Finish node, manhole, reference: S5

PLR:	S5X	Upstream Node:	S5
Inspection Direction:	Downstream	Downstream Node:	S6
Inspected Length:	14.10 m	Dia/Height:	225 mm
Total Length:	14.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S5
2	0.00	WL	Water level, 0% of the vertical dimension
3	5.80	WL	Water level, 5% of the vertical dimension
4	7.90	WL	Water level, 0% of the vertical dimension



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No.	m+	Code	Observation
5	10.50	WL	Water level, 5% of the vertical dimension
6	10.90	WL	Water level, 10% of the vertical dimension
7	11.20	WL	Water level, 20% of the vertical dimension
8	11.50	WL	Water level, 30% of the vertical dimension
9	12.10	CUW	Loss of vision, camera under water
10	14.10	MHF	Finish node, manhole, reference: S6

PLR:	S36X	Upstream Node:	S36
Inspection Direction:	Upstream	Downstream Node:	S6
Inspected Length:	7.00 m	Dia/Height:	100 mm
Total Length:	7.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S6
2	0.00	WL	Water level, 0% of the vertical dimension
3	7.00	MHF	Finish node, manhole, reference: S36

PLR:	S7X	Upstream Node:	S7
Inspection Direction:	Upstream	Downstream Node:	S8
Inspected Length:	10.00 m	Dia/Height:	225 mm
Total Length:	10.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S8
2	0.70	LR	Line deviates right
3	1.30	WL	Water level, 10% of the vertical dimension
4	3.00	WL	Water level, 5% of the vertical dimension
5	3.40	LR	Line deviates right
6	3.70	WL	Water level, 0% of the vertical dimension
7	7.10	WL	Water level, 10% of the vertical dimension
8	7.40	WL	Water level, 15% of the vertical dimension
9	7.90	CUW	Loss of vision, camera under water
10	10.00	MHF	Finish node, manhole, reference: S7

PLR:	RGX	Upstream Node:	RG
Inspection Direction:	Upstream	Downstream Node:	S8
Inspected Length:	6.70 m	Dia/Height:	150 mm
Total Length:	6.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S8
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.90	DES	Settled deposits, fine, 10% cross-sectional area loss, start
4	1.50	LR	Line deviates right
5	3.40	DES	Settled deposits, fine, 20% cross-sectional area loss, change
6	6.70	DES	Settled deposits, fine, 20% cross-sectional area loss, finish
7	6.70	MHF	Finish node, manhole, reference: RG

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PLR:	RG2X	Upstream Node:	RG2
Inspection Direction:	Upstream	Downstream Node:	S8
Inspected Length:	11.60 m	Dia/Height:	150 mm
Total Length:	11.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S8
2	0.00	WL	Water level, 0% of the vertical dimension
3	11.60	MHF	Finish node, manhole, reference: RG2

PLR:	S8X	Upstream Node:	S8
Inspection Direction:	Downstream	Downstream Node:	S9
Inspected Length:	13.20 m	Dia/Height:	300 mm
Total Length:	13.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S8
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.00	WL	Water level, 5% of the vertical dimension
4	2.40	WL	Water level, 10% of the vertical dimension
5	13.20	MHF	Finish node, manhole, reference: S9

PLR:	S9X	Upstream Node:	S9
Inspection Direction:	Downstream	Downstream Node:	AT2
Inspected Length:	4.60 m	Dia/Height:	300 mm
Total Length:	4.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S9
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.70	WL	Water level, 5% of the vertical dimension
4	3.40	LL	Line deviates left
5	4.60	MHF	Finish node, manhole, reference: AT2

PLR:	S9X	Upstream Node:	S9
Inspection Direction:	Downstream	Downstream Node:	S10
Inspected Length:	19.70 m	Dia/Height:	300 mm
Total Length:	19.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S9
2	7.60	WL	Water level, 10% of the vertical dimension
3	8.20	CUW	Loss of vision, camera under water
4	15.10	WL	Water level, 20% of the vertical dimension
5	16.30	WL	Water level, 5% of the vertical dimension
6	16.40	DES	Settled deposits, fine, 20% cross-sectional area loss, start
7	19.50	DES	Settled deposits, fine, 20% cross-sectional area loss, finish
8	19.70	MHF	Finish node, manhole, reference: S10

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PLR:	LDX	Upstream Node:	LD
Inspection Direction:	Upstream	Downstream Node:	S34
Inspected Length:	31.60 m	Dia/Height:	100 mm
Total Length:	31.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S34
2	0.00	WL	Water level, 0% of the vertical dimension
3	11.00	JN	Junction at 12 o'clock, 100mm dia
4	31.20	D	Deformed sewer or drain, 40%
5	31.60	SA	Survey abandoned

PLR:	S33X	Upstream Node:	S33
Inspection Direction:	Upstream	Downstream Node:	S34
Inspected Length:	21.70 m	Dia/Height:	100 mm
Total Length:	21.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S34
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.40	LL	Line deviates left
4	2.60	JN	Junction at 9 o'clock, 100mm dia
5	8.60	OBM	Other obstacles, pipe material in invert from 4 o'clock to 7 o'clock, 5% cross-sectional area loss
6	8.70	JN	Junction at 9 o'clock, 100mm dia
7	13.90	DER	Settled deposits, coarse, 15% cross-sectional area loss
8	14.10	JN	Junction at 9 o'clock, 100mm dia
9	19.70	JN	Junction at 9 o'clock, 100mm dia
10	20.90	LU	Line deviates up
11	21.70	REF	Finish node, rodding eye, reference: S33

PLR:	S34X	Upstream Node:	S34
Inspection Direction:	Downstream	Downstream Node:	S10A
Inspected Length:	10.70 m	Dia/Height:	100 mm
Total Length:	10.70 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S34
2	0.00	WL	Water level, 10% of the vertical dimension
3	0.10	LR	Line deviates right
4	0.20	WL	Water level, 20% of the vertical dimension
5	2.00	WL	Water level, 40% of the vertical dimension
6	2.80	CUW	Loss of vision, camera under water
7	9.10	WL	Water level, 30% of the vertical dimension
8	9.40	WL	Water level, 20% of the vertical dimension
9	10.10	WL	Water level, 10% of the vertical dimension
10	10.70	MHF	Finish node, manhole, reference: S10A

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PLR:	S10AX	Upstream Node:	S10A
Inspection Direction:	Downstream	Downstream Node:	S10
Inspected Length:	5.30 m	Dia/Height:	150 mm
Total Length:	5.30 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S10A
2	0.00	WL	Water level, 10% of the vertical dimension
3	0.30	LR	Line deviates right
4	5.30	MHF	Finish node, manhole, reference: S10

PLR:	CAPX	Upstream Node:	CAP
Inspection Direction:	Upstream	Downstream Node:	S10
Inspected Length:	22.00 m	Dia/Height:	100 mm
Total Length:	22.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S10
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	0.40	DES	Settled deposits, fine, 5% cross-sectional area loss
5	2.60	JN	Junction at 3 o'clock, 100mm dia
6	8.50	JN	Junction at 3 o'clock, 100mm dia
7	13.90	JN	Junction at 3 o'clock, 100mm dia
8	20.00	JN	Junction at 3 o'clock, 100mm dia
9	21.50	LU	Line deviates up
10	22.00	MHF	Finish node, manhole, reference: CAP

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S37A
Inspected Length:	2.30 m	Dia/Height:	100 mm
Total Length:	2.30 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S37A
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	2.10	LU	Line deviates up
5	2.30	MHF	Finish node, manhole, reference: RWP

PLR:	S37AX	Upstream Node:	S37A
Inspection Direction:	Downstream	Downstream Node:	S37
Inspected Length:	9.50 m	Dia/Height:	100 mm
Total Length:	9.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S37A
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.30	LL	Line deviates left
4	3.90	JN	Junction at 10 o'clock, 100mm dia

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No.	m+	Code	Observation
5	6.70	JN	Junction at 10 o'clock, 100mm dia
6	9.30	LL	Line deviates left
7	9.50	MHF	Finish node, manhole, reference: S37

PLR:	S37X	Upstream Node:	S37
Inspection Direction:	Downstream	Downstream Node:	S37B
Inspected Length:	14.40 m	Dia/Height:	100 mm
Total Length:	14.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S37
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	9.40	JN	Junction at 10 o'clock, 100mm dia
5	10.90	WL	Water level, 10% of the vertical dimension
6	14.40	MHF	Finish node, manhole, reference: S37B

PLR:	S37BX	Upstream Node:	S37B
Inspection Direction:	Downstream	Downstream Node:	S9
Inspected Length:	0.90 m	Dia/Height:	100 mm
Total Length:	0.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S37B
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.90	MHF	Finish node, manhole, reference: S9

PLR:	SPX	Upstream Node:	SP
Inspection Direction:	Upstream	Downstream Node:	F29A
Inspected Length:	2.60 m	Dia/Height:	100 mm
Total Length:	2.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F29A
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	2.30	LU	Line deviates up
5	2.60	MHF	Finish node, manhole, reference: SP

PLR:	F29AX	Upstream Node:	F29A
Inspection Direction:	Downstream	Downstream Node:	F29B
Inspected Length:	5.10 m	Dia/Height:	100 mm
Total Length:	5.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F29A
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	5.00	LR	Line deviates right
5	5.10	MHF	Finish node, manhole, reference: F29B

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PLR:	F29BX	Upstream Node:	F29B
Inspection Direction:	Downstream	Downstream Node:	F29C
Inspected Length:	2.30 m	Dia/Height:	100 mm
Total Length:	2.30 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F29B
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LR	Line deviates right
4	2.30	MHF	Finish node, manhole, reference: F29C

PLR:	SPX	Upstream Node:	SP
Inspection Direction:	Upstream	Downstream Node:	F29C
Inspected Length:	2.60 m	Dia/Height:	100 mm
Total Length:	2.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F29C
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LU	Line deviates up
4	1.80	LL	Line deviates left
5	2.10	LU	Line deviates up
6	2.60	MHF	Finish node, manhole, reference: SP

PLR:	F29CX	Upstream Node:	F29C
Inspection Direction:	Downstream	Downstream Node:	F29D
Inspected Length:	7.30 m	Dia/Height:	100 mm
Total Length:	7.30 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F29C
2	0.00	WL	Water level, 0% of the vertical dimension
3	7.30	MHF	Finish node, manhole, reference: F29D

PLR:	SPX	Upstream Node:	SP
Inspection Direction:	Upstream	Downstream Node:	F29D
Inspected Length:	2.80 m	Dia/Height:	100 mm
Total Length:	2.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F29D
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LU	Line deviates up
4	0.60	LL	Line deviates left
5	1.80	LL	Line deviates left
6	2.60	LU	Line deviates up
7	2.80	MHF	Finish node, manhole, reference: SP

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PLR:	F29DX	Upstream Node:	F29D
Inspection Direction:	Downstream	Downstream Node:	F29E
Inspected Length:	3.00 m	Dia/Height:	100 mm
Total Length:	3.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F29D
2	0.00	WL	Water level, 0% of the vertical dimension
3	2.40	LR	Line deviates right
4	3.00	MHF	Finish node, manhole, reference: F29E

PLR:	F29EX	Upstream Node:	F29E
Inspection Direction:	Downstream	Downstream Node:	F29
Inspected Length:	7.60 m	Dia/Height:	100 mm
Total Length:	7.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F29E
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	7.40	LL	Line deviates left
5	7.60	MHF	Finish node, manhole, reference: F29

PLR:	F29X	Upstream Node:	F29
Inspection Direction:	Downstream	Downstream Node:	JN
Inspected Length:	3.10 m	Dia/Height:	100 mm
Total Length:	3.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F29
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	2.40	LR	Line deviates right
5	3.10	BRF	Finish node, major connection without manhole, reference: JN

PLR:	S10X	Upstream Node:	S10
Inspection Direction:	Downstream	Downstream Node:	S11
Inspected Length:	18.20 m	Dia/Height:	300 mm
Total Length:	18.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S10
2	0.00	WL	Water level, 5% of the vertical dimension
3	10.80	WL	Water level, 10% of the vertical dimension
4	15.70	DES	Settled deposits, fine, 15% cross-sectional area loss, start
5	17.90	DES	Settled deposits, fine, 15% cross-sectional area loss, finish
6	18.20	CPF	Finish node, catchpit, reference: S11

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PLR:	S11X	Upstream Node:	S11
Inspection Direction:	Downstream	Downstream Node:	
Inspected Length:	0.00 m	Dia/Height:	225 mm
Total Length:		Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S11
2	0.00	SA	Survey abandoned

PLR:	RWP1X	Upstream Node:	RWP1
Inspection Direction:	Upstream	Downstream Node:	S14
Inspected Length:	5.60 m	Dia/Height:	100 mm
Total Length:	5.60 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S14
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	5.40	LU	Line deviates up
5	5.60	MHF	Finish node, manhole, reference: RWP1

PLR:	RWP2X	Upstream Node:	RWP2
Inspection Direction:	Upstream	Downstream Node:	S14
Inspected Length:	5.80 m	Dia/Height:	100 mm
Total Length:	5.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S14
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	2.00	LR	Line deviates right
5	5.50	LU	Line deviates up
6	5.80	MHF	Finish node, manhole, reference: RWP2

PLR:	S14X	Upstream Node:	S14
Inspection Direction:	Downstream	Downstream Node:	S16
Inspected Length:	10.80 m	Dia/Height:	100 mm
Total Length:	10.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S14
2	0.00	WL	Water level, 0% of the vertical dimension
3	10.60	LL	Line deviates left
4	10.80	MHF	Finish node, manhole, reference: S16

PLR:	AX	Upstream Node:	A
Inspection Direction:	Upstream	Downstream Node:	S16
Inspected Length:	1.90 m	Dia/Height:	100 mm
Total Length:	1.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S16

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No.	m+	Code	Observation
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	0.10	LU	Line deviates up
5	1.60	LL	Line deviates left
6	1.90	OCF	Finish node, other special chamber, reference: A

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S16
Inspected Length:	6.20 m	Dia/Height:	100 mm
Total Length:	6.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S16
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	5.60	LU	Line deviates up
5	6.20	MHF	Finish node, manhole, reference: RWP

PLR:	S17X	Upstream Node:	S17
Inspection Direction:	Upstream	Downstream Node:	S16
Inspected Length:	3.40 m	Dia/Height:	100 mm
Total Length:	3.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S16
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.30	LL	Line deviates left
4	3.40	MHF	Finish node, manhole, reference: S17

PLR:	S17.1X	Upstream Node:	S17.1
Inspection Direction:	Upstream	Downstream Node:	S17
Inspected Length:	15.00 m	Dia/Height:	100 mm
Total Length:	15.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S17
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	3.70	JN	Junction at 3 o'clock, 100mm dia
5	14.80	LL	Line deviates left
6	15.00	MHF	Finish node, manhole, reference: S17.1

PLR:	REX	Upstream Node:	RE
Inspection Direction:	Upstream	Downstream Node:	S17.1
Inspected Length:	13.30 m	Dia/Height:	100 mm
Total Length:	13.30 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S17.1
2	0.00	WL	Water level, 0% of the vertical dimension

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No.	m+	Code	Observation
3	0.10	LL	Line deviates left
4	0.40	JN	Junction at 9 o'clock, 100mm dia
5	4.70	JN	Junction at 9 o'clock, 100mm dia
6	8.50	JN	Junction at 9 o'clock, 100mm dia
7	12.80	JN	Junction at 9 o'clock, 100mm dia
8	12.90	LU	Line deviates up
9	13.30	REF	Finish node, rodding eye, reference: RE

PLR:	LDX	Upstream Node:	LD
Inspection Direction:	Upstream	Downstream Node:	S17.1
Inspected Length:	0.10 m	Dia/Height:	100 mm
Total Length:	0.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S17.1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	MHF	Finish node, manhole, reference: LD

PLR:	SP45X	Upstream Node:	SP45
Inspection Direction:	Upstream	Downstream Node:	F33.1
Inspected Length:	1.50 m	Dia/Height:	100 mm
Total Length:	1.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F33.1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	1.00	LU	Line deviates up
5	1.50	MHF	Finish node, manhole, reference: SP45

PLR:	F33.1X	Upstream Node:	F33.1
Inspection Direction:	Downstream	Downstream Node:	F33
Inspected Length:	9.10 m	Dia/Height:	100 mm
Total Length:	9.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: F33.1
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	8.90	LR	Line deviates right
5	9.10	MHF	Finish node, manhole, reference: F33

PLR:	S15X	Upstream Node:	S15
Inspection Direction:	Downstream	Downstream Node:	JN
Inspected Length:	13.50 m	Dia/Height:	100 mm
Total Length:	13.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S15
2	0.00	WL	Water level, 0% of the vertical dimension

Section Summary

Project Name Dappers Lane	Project Number	Project Date 03/06/2021
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No.	m+	Code	Observation
3	0.10	LL	Line deviates left
4	12.00	JN	Junction at 9 o'clock, 100mm dia
5	13.40	LR	Line deviates right
6	13.50	BRF	Finish node, major connection without manhole, reference: JN

PLR:	LDX	Upstream Node:	LD
Inspection Direction:	Upstream	Downstream Node:	S18
Inspected Length:	1.20 m	Dia/Height:	100 mm
Total Length:	1.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S18
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.20	MHF	Finish node, manhole, reference: LD

PLR:	REX	Upstream Node:	RE
Inspection Direction:	Upstream	Downstream Node:	S18
Inspected Length:	15.50 m	Dia/Height:	100 mm
Total Length:	15.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S18
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	4.00	JN	Junction at 3 o'clock, 100mm dia
5	9.90	JN	Junction at 3 o'clock, 100mm dia
6	15.40	JN	Junction at 3 o'clock, 100mm dia
7	15.50	LU	Line deviates up
8	15.50	SA	Survey abandoned

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S18
Inspected Length:	0.80 m	Dia/Height:	100 mm
Total Length:	0.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S18
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.50	LU	Line deviates up
4	0.80	MHF	Finish node, manhole, reference: RWP

PLR:	S18X	Upstream Node:	S18
Inspection Direction:	Downstream	Downstream Node:	S19
Inspected Length:	14.00 m	Dia/Height:	100 mm
Total Length:	14.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S18
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left



Section Summary

Project Name
Dappers Lane

Project Number

Project Date
03/06/2021

No.	m+	Code	Observation
4	1.50	LL	Line deviates left
5	3.20	JN	Junction at 9 o'clock, 100mm dia
6	3.60	JN	Junction at 3 o'clock, 100mm dia
7	9.60	JN	Junction at 11 o'clock, 100mm dia
8	14.00	MHF	Finish node, manhole, reference: S19

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S19
Inspected Length:	3.80 m	Dia/Height:	100 mm
Total Length:	3.80 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S19
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.60	LU	Line deviates up
4	3.60	GYF	Finish node, gully, reference: ACO

PLR:	REX	Upstream Node:	RE
Inspection Direction:	Upstream	Downstream Node:	S20
Inspected Length:	13.50 m	Dia/Height:	100 mm
Total Length:	13.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S20
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	5.10	JN	Junction at 3 o'clock, 100mm dia
5	8.70	JN	Junction at 3 o'clock, 100mm dia
6	12.90	JN	Junction at 3 o'clock, 100mm dia
7	13.00	LU	Line deviates up
8	13.50	REF	Finish node, rodding eye, reference: RE

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S20
Inspected Length:	1.00 m	Dia/Height:	100 mm
Total Length:	1.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S20
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	0.70	LU	Line deviates up
5	1.00	MHF	Finish node, manhole, reference: RWP

PLR:	S20X	Upstream Node:	S20
Inspection Direction:	Downstream	Downstream Node:	S21
Inspected Length:	15.70 m	Dia/Height:	100 mm
Total Length:	15.70 m	Material:	Polyvinyl chloride

Section Summary

Project Name Dappers Lane	Project Number	Project Date 03/06/2021
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No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S20
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	1.40	JN	Junction at 9 o'clock, 100mm dia
5	10.30	LL	Line deviates left
6	15.70	MHF	Finish node, manhole, reference: S21

PLR:	ACOX	Upstream Node:	ACO
Inspection Direction:	Upstream	Downstream Node:	S21
Inspected Length:	4.50 m	Dia/Height:	100 mm
Total Length:	4.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S21
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.70	LU	Line deviates up
4	4.50	GYF	Finish node, gully, reference: ACO

PLR:	AX	Upstream Node:	A
Inspection Direction:	Upstream	Downstream Node:	S21
Inspected Length:	2.10 m	Dia/Height:	100 mm
Total Length:	2.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S21
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	2.10	MHF	Finish node, manhole, reference: A

PLR:	SP46X	Upstream Node:	SP46
Inspection Direction:	Downstream	Downstream Node:	F14
Inspected Length:	14.40 m	Dia/Height:	100 mm
Total Length:	14.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SP46
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.50	REM	General remark
4	8.70	LL	Line deviates left
5	14.40	MHF	Finish node, manhole, reference: F14

PLR:	SP47X	Upstream Node:	SP47
Inspection Direction:	Downstream	Downstream Node:	F20
Inspected Length:	9.40 m	Dia/Height:	100 mm
Total Length:	9.40 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SP47
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.60	REM	General remark

Section Summary

Project Name Dappers Lane	Project Number	Project Date 03/06/2021
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No.	m+	Code	Observation
4	0.80	WL	Water level, 5% of the vertical dimension
5	1.10	LL	Line deviates left
6	5.80	LL	Line deviates left
7	9.40	MHF	Finish node, manhole, reference: F20

PLR:	SP48X	Upstream Node:	SP48
Inspection Direction:	Downstream	Downstream Node:	F20
Inspected Length:	12.00 m	Dia/Height:	100 mm
Total Length:	12.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: SP48
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.30	REM	General remark
4	12.00	MHF	Finish node, manhole, reference: F20

PLR:	REX	Upstream Node:	RE
Inspection Direction:	Upstream	Downstream Node:	S23
Inspected Length:	13.00 m	Dia/Height:	100 mm
Total Length:	13.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S23
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	3.50	JN	Junction at 2 o'clock, 100mm dia
5	7.80	JN	Junction at 3 o'clock, 100mm dia
6	12.00	JN	Junction at 3 o'clock, 100mm dia
7	12.20	LU	Line deviates up
8	13.00	REF	Finish node, rodding eye, reference: RE

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S23
Inspected Length:	1.00 m	Dia/Height:	100 mm
Total Length:	1.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S23
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LR	Line deviates right
4	0.40	JN	Junction at 3 o'clock, 100mm dia
5	0.80	LU	Line deviates up
6	1.00	MHF	Finish node, manhole, reference: RWP

PLR:	S23X	Upstream Node:	S23
Inspection Direction:	Downstream	Downstream Node:	S36
Inspected Length:	13.20 m	Dia/Height:	100 mm
Total Length:	13.20 m	Material:	Polyvinyl chloride

Section Summary

Project Name
Dappers Lane

Project Number
Project Date
03/06/2021

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S23
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	13.00	LR	Line deviates right
5	13.20	MHF	Finish node, manhole, reference: S36

PLR:	ACOX	Upstream Node:	ACO
Inspection Direction:	Upstream	Downstream Node:	S36
Inspected Length:	12.00 m	Dia/Height:	100 mm
Total Length:	12.00 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S36
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.10	LL	Line deviates left
4	7.60	JN	Junction at 9 o'clock, 100mm dia
5	9.50	JN	Junction at 3 o'clock, 100mm dia
6	11.80	LU	Line deviates up
7	12.00	GYF	Finish node, gully, reference: ACO

PLR:	RWPX	Upstream Node:	RWP
Inspection Direction:	Upstream	Downstream Node:	S36
Inspected Length:	18.10 m	Dia/Height:	100 mm
Total Length:	18.10 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S36
2	0.00	WL	Water level, 0% of the vertical dimension
3	3.40	JN	Junction at 3 o'clock, 100mm dia
4	15.80	LR	Line deviates right
5	17.60	LU	Line deviates up
6	18.10	MHF	Finish node, manhole, reference: RWP

PLR:	RE24X	Upstream Node:	RE24
Inspection Direction:	Downstream	Downstream Node:	JN
Inspected Length:	25.20 m	Dia/Height:	100 mm
Total Length:	25.20 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: RE24
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.50	REM	General remark
4	3.00	JN	Junction at 9 o'clock, 100mm dia
5	4.00	JN	Junction at 9 o'clock, 100mm dia
6	4.00	LL	Line deviates left
7	7.00	JN	Junction at 3 o'clock, 100mm dia
8	7.60	JN	Junction at 3 o'clock, 100mm dia
9	10.90	LR	Line deviates right



Section Summary

Project Name
Dappers Lane

Project Number

Project Date
03/06/2021

No.	m+	Code	Observation
10	10.90	SC	Pipe size changes, new size(s), 150mm high
11	11.00	JN	Junction at 10 o'clock, 100mm dia
12	14.20	JN	Junction at 3 o'clock, 100mm dia
13	18.40	LR	Line deviates right
14	25.00	LD	Line deviates down
15	25.20	BRF	Finish node, major connection without manhole, reference: JN

PLR:	S41X	Upstream Node:	S41
Inspection Direction:	Upstream	Downstream Node:	S12
Inspected Length:	2.50 m	Dia/Height:	100 mm
Total Length:	2.50 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S12
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.20	LR	Line deviates right
4	2.50	MHF	Finish node, manhole, reference: S41

PLR:	RE10X	Upstream Node:	RE10
Inspection Direction:	Upstream	Downstream Node:	S12
Inspected Length:	17.90 m	Dia/Height:	100 mm
Total Length:	17.90 m	Material:	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: S12
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.60	WL	Water level, 10% of the vertical dimension
4	1.90	JN	Junction at 1 o'clock, 100mm dia
5	6.80	JN	Junction at 3 o'clock, 100mm dia
6	12.60	JN	Junction at 3 o'clock, 100mm dia
7	17.00	JN	Junction at 3 o'clock, 10mm dia
8	17.20	LU	Line deviates up
9	17.90	REF	Finish node, rodding eye, reference: RE10



Section Inspection - 25/05/2021 - SP1X

Item No. 1	Insp. No. 1	Date 25/05/21	Time 10:24	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SP1X
Operator Luke		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Angmering	Inspection Direction:	Upstream	Upstream Node:	SP1
Road:	Dappers Lane	Inspected Length:	14.40 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	14.40 m	Downstream Node:	F18
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:125	Position [m]	Code	Observation	Grade
Depth: m				
F18	0.00	MH	Start node, manhole, reference: F18	
	0.00	WL	Water level, 0% of the vertical dimension	
	0.10	LL	Line deviates left	
	1.00	WL	Water level, 5% of the vertical dimension	
	4.50	WL	Water level, 0% of the vertical dimension	
	6.50	LL	Line deviates left	
	7.20	LU	Line deviates up	
	11.70	WL	Water level, 5% of the vertical dimension	
	11.90	WL	Water level, 10% of the vertical dimension	
	12.30	WL	Water level, 20% of the vertical dimension	
	13.20	WL	Water level, 10% of the vertical dimension	
	13.30	WL	Water level, 5% of the vertical dimension	
	13.50	WL	Water level, 0% of the vertical dimension	
	14.10	LU	Line deviates up	
SP1	14.40	MHF	Finish node, manhole, reference: SP1	
Depth: m				

Construction Features

Structural Defects

Miscellaneous Features

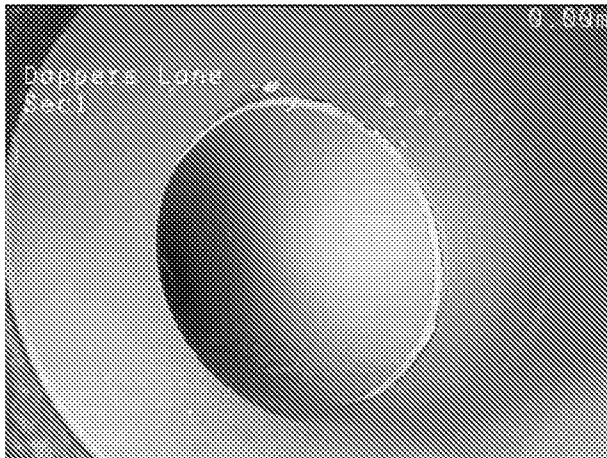
Service & Operational Observations

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
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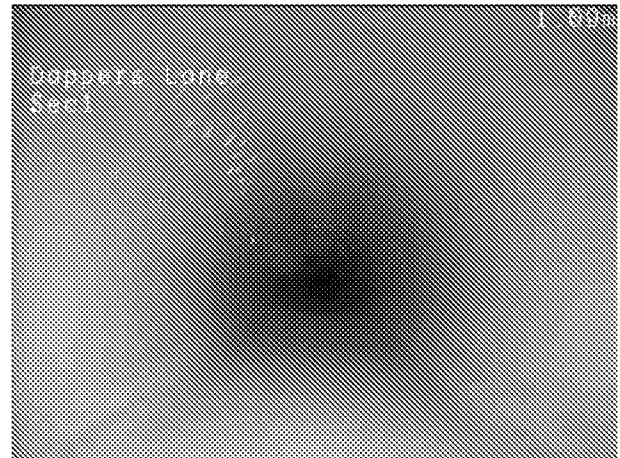
Dappers Lane

Section Pictures - 25/05/2021 - SP1X

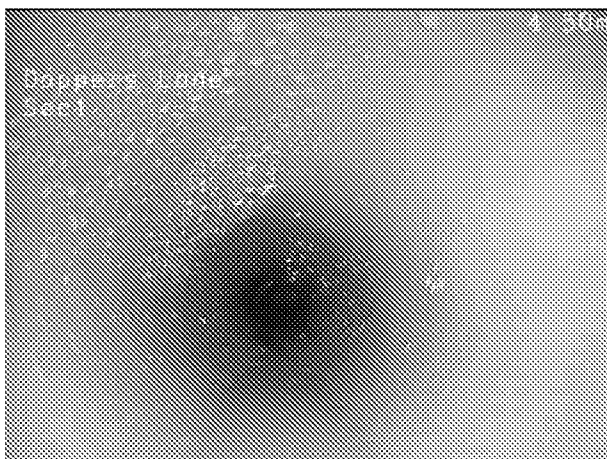
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	SP1X		



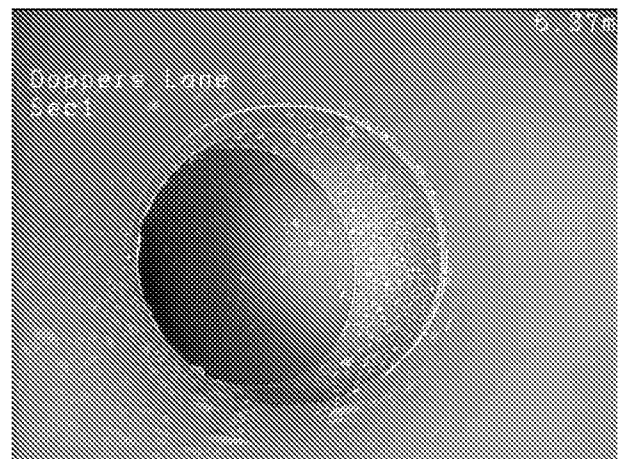
1, 00:00:00, 0.00 m
Start node, manhole, reference: F18



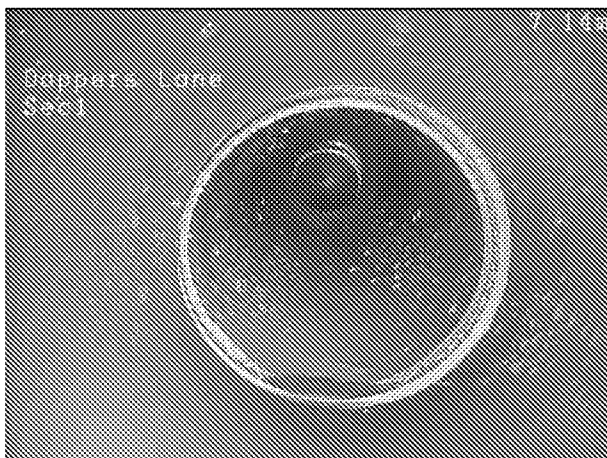
2, 00:00:11, 1.00 m
Water level, 5% of the vertical dimension



3, 00:00:28, 4.50 m
Water level, 0% of the vertical dimension



4, 00:00:37, 6.50 m
Line deviates left



5, 00:00:42, 7.20 m
Line deviates up



6, 00:00:58, 11.90 m
Water level, 10% of the vertical dimension



Section Pictures - 25/05/2021 - SP1X

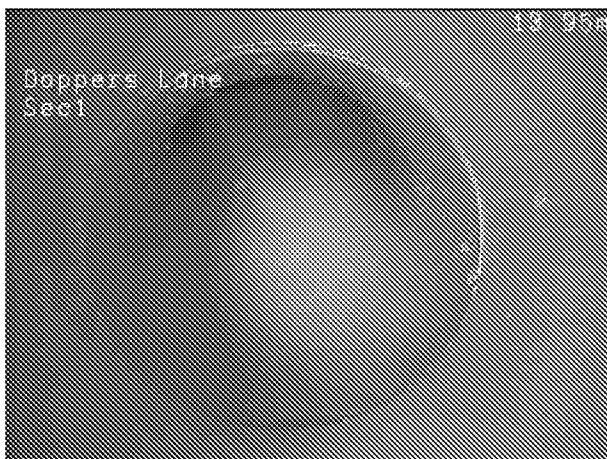
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	SP1X		



7, 00:01:10, 12.30 m
Water level, 20% of the vertical dimension



8, 00:01:28, 13.50 m
Water level, 0% of the vertical dimension



9, 00:01:30, 14.10 m
Line deviates up



10, 00:01:34, 14.40 m
Finish node, manhole, reference: SP1



Section Inspection - 25/05/2021 - SP2X

Item No. 2	Insp. No. 1	Date 25/05/21	Time 10:26	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SP2X
Operator Luke		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Angmering	Inspection Direction:	Upstream	Upstream Node:	SP2
Road:	Dappers Lane	Inspected Length:	6.20 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	6.20 m	Downstream Node:	F18
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:54 Position [m] Code Observation Grade

Depth: m

F18



0.00

MH Start node, manhole, reference: F18

0.00

WL Water level, 0% of the vertical dimension

0.10

LL Line deviates left

4.80

LL Line deviates left

5.70

LU Line deviates up

6.20

MHF Finish node, manhole, reference: SP2

SP2

Depth: m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

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

Dappers Lane



Section Pictures - 25/05/2021 - SP2X

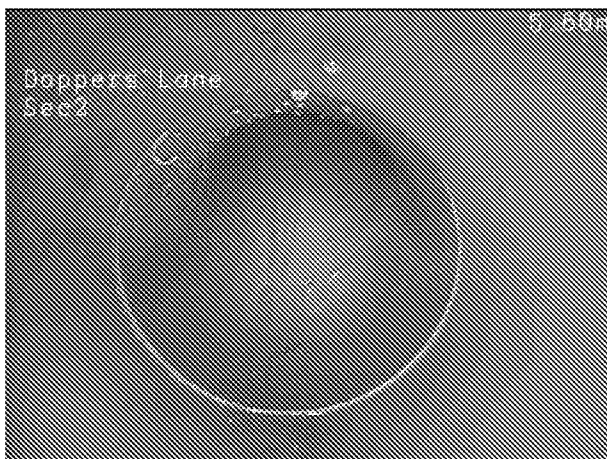
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream	SP2X		



1, 00:00:00, 0.00 m
Start node, manhole, reference: F18



2, 00:00:25, 4.80 m
Line deviates left



3, 00:00:29, 5.70 m
Line deviates up



4, 00:00:36, 6.20 m
Finish node, manhole, reference: SP2



Section Inspection - 25/05/2021 - SP3X

Item No. 3	Insp. No. 1	Date 25/05/21	Time 10:27	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SP3X
Operator Luke		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Angmering	Inspection Direction:	Upstream	Upstream Node:	SP3
Road:	Dappers Lane	Inspected Length:	10.90 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.90 m	Downstream Node:	F18
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:94 Position [m] Code Observation Grade

Depth: m

F18

0.00

MH

Start node, manhole, reference: F18

0.00

WL

Water level, 0% of the vertical dimension

10.30

LU

Line deviates up

10.90

MHF

Finish node, manhole, reference: SP3

SP3

Depth: m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

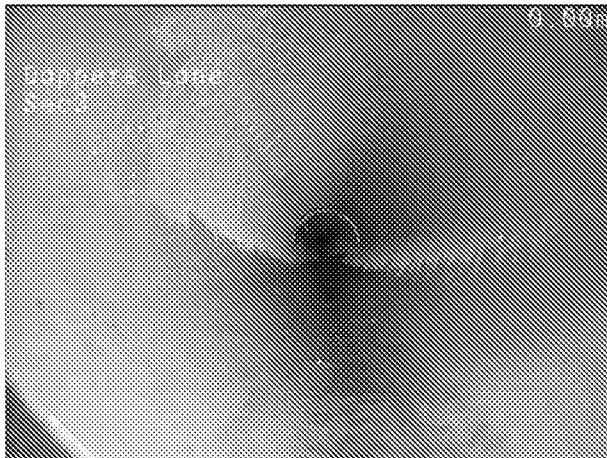
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Dappers Lane

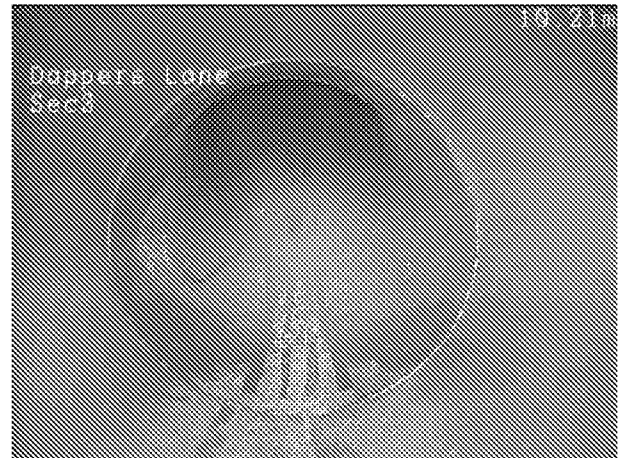


Section Pictures - 25/05/2021 - SP3X

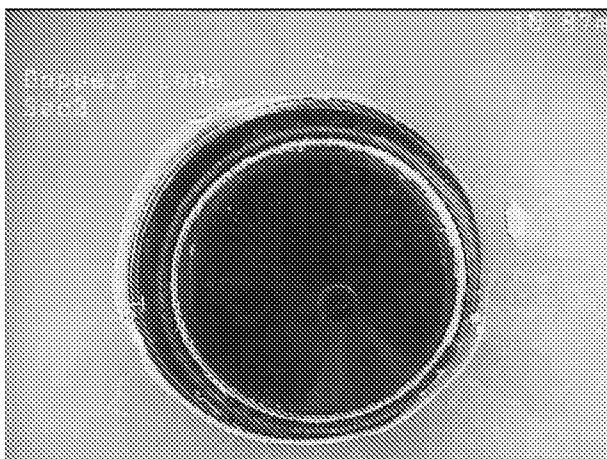
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream	SP3X		



1, 00:00:00, 0.00 m
Start node, manhole, reference: F18



2, 00:00:40, 10.30 m
Line deviates up



3, 00:00:45, 10.90 m
Finish node, manhole, reference: SP3



Section Inspection - 25/05/2021 - F18X

Item No. 4	Insp. No. 1	Date 25/05/21	Time 10:43	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR F18X
Operator Luke		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Angmering	Inspection Direction:	Downstream	Upstream Node:	F18
Road:	Dappers Lane	Inspected Length:	12.60 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	12.60 m	Downstream Node:	F3
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:109 Position [m] Code Observation Grade

Depth: m

F18



0.00

MH

Start node, manhole, reference: F18

0.00

WL

Water level, 0% of the vertical dimension

2.80

LL

Line deviates left

12.60

MHF

Finish node, manhole, reference: F3: Not accessible

F3

Depth: m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

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

Dappers Lane

Section Pictures - 25/05/2021 - F18X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	F18X		



1, 00:00:04, 0.00 m
Water level, 0% of the vertical dimension



2, 00:00:17, 2.80 m
Line deviates left



3, 00:00:44, 12.60 m
Finish node, manhole, reference: F3, Not accessible



Section Inspection - 25/05/2021 - SP4X

Item No. 5	Insp. No. 1	Date 25/05/21	Time 10:56	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SP4X
Operator Luke		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Angmering	Inspection Direction:	Upstream	Upstream Node:	SP4
Road:	Dappers Lane	Inspected Length:	12.00 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	12.00 m	Downstream Node:	F17
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:104 Position [m] Code Observation Grade

Depth: m

F17



0.00

MH

Start node, manhole, reference: F17

0.00

WL

Water level, 0% of the vertical dimension

3.60

LL

Line deviates left

11.50

LU

Line deviates up

12.00

MHF

Finish node, manhole, reference: SP4

SP4

Depth: m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

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

Dappers Lane

10



Section Pictures - 25/05/2021 - SP4X

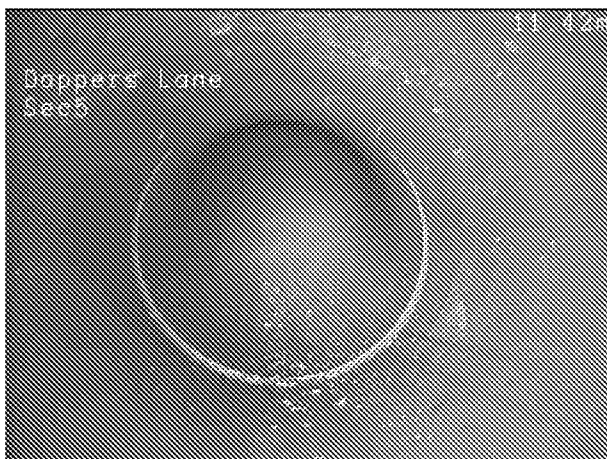
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Upstream	SP4X		



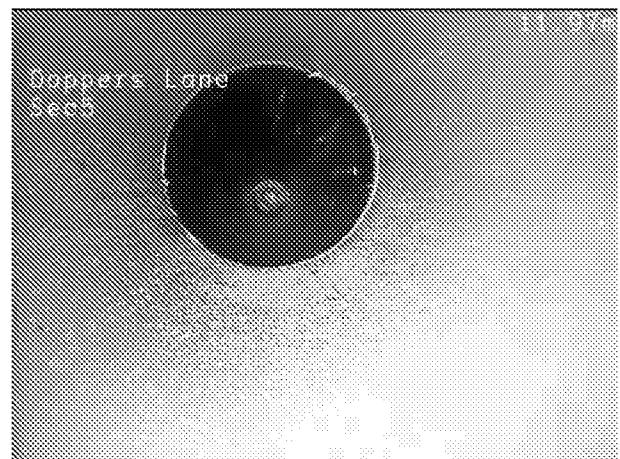
1, 00:00:05, 0.00 m
Water level, 0% of the vertical dimension



2, 00:00:20, 3.60 m
Line deviates left



3, 00:00:42, 11.50 m
Line deviates up



4, 00:00:49, 12.00 m
Finish node, manhole, reference: SP4



Section Inspection - 25/05/2021 - SP5X

Item No. 6	Insp. No. 1	Date 25/05/21	Time 10:58	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned Yes	PLR SP5X
Operator Luke		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Private Drain	Alternative ID Not Specified

Town or Village:	Angmering	Inspection Direction:	Upstream	Upstream Node:	SP5
Road:	Dappers Lane	Inspected Length:	4.40 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	4.40 m	Downstream Node:	F17
Surface Type:	Block Paved	Joint Length:		Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Routine inspection	Lining Material:	No Lining		

Comments:

Recommendations:

Scale: 1:50 Position [m] Code Observation Grade

Depth: m

F17



0.00

MH

Start node, manhole, reference: F17

0.00

WL

Water level, 0% of the vertical dimension

3.80

LU

Line deviates up

4.40

MHF

Finish node, manhole, reference: SP5

SP5

Depth: m

Construction Features

Structural Defects

Miscellaneous Features

Service & Operational Observations

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

Dappers Lane