CONDITION 7(c) DRAINAGE VERIFICATION REPORT

Victoria Riverside, Dantzic Street

for

Far East Consortium



12/09/2024

COMPLEX CHALLENGES ...
MADE SIMPLE

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Far East Consortium

TITLE	NAME	SIGNATURE	DATE
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COMPLEX CHALLENGES ...
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COMPLEX CHALLENGES ...
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PLANNING REFERENCE: 126944/FO/2020

Condition 7c - Prior to the first occupation of a phase (save for the enabling works phase), a verification report for that phase shall be submitted, including relevant photographic evidence, that the scheme has been implemented in accordance with the previously approved details.

Reason - To promote sustainable development, secure proper drainage and to manage the risk of flooding and pollution pursuant to policies SP1, EN14 and DM1 of the Manchester Core Strategy (2012).

1.0 INTRODUCTION

This document has been prepared in support of a Condition Discharge application with respect to the consented development referenced above, which is currently under construction, at Dantzic Street Manchester.

The purpose of this report is to review and comment on the as-built drainage prior to occupation in line with Condition 7(c). This will consist of a review of the CCTV survey information and as built record data provided by the contractor and comparison against the construction issued drawings and specifications. The report will also address requirements for future ongoing management & maintenance requirements of the below ground drainage network.

A copy of the planning decision notice is provided in Appendix A.

1.1 Surface Water Strategy

The proposed drainage scheme has been developed around the two separate and distinct parts of the site with each area, north and south, having its own attenuation requirement and flow control.

These two networks then combine in Bromley Street and flow northward towards the River Irk. A further flow control is provided at the boundary of the site to ensure that the total consented site discharge rate of 38.9 l/s is not exceeded.

Some hardstanding areas are drained via non-infiltration-based SuDS solutions such as permeable pavements and rain gardens. In particular, both podium levels are provided with a permeable surface which drains rainfall generated run-off through a series of rainwater outlets and discharges directly into the below ground drainage system.

A soakaway is also included below a planter at the front of the site on Dantzic Street to deal with a small amount of hardstanding area which could not be connected into the wider drainage system. Permeability testing undertaken as part of the Phase 2 Site Investigation (LK Consult Ref: LKC 19 1267) returned a worst-case soil infiltration rate of 9.50×10^{-5} m/s at 2.0 mbgl. An extract from the report showing the test results is included in Appendix H.

The above measures are primarily employed to provide water quality and amenity benefits with the majority of the attenuation storage required being delivered within below ground geocelular attenuation tanks located beneath the building footprints due to space constraints within the site.

As there are some areas of the site which cannot be drained through infiltration-based SuDS measures, a hydrodynamic separator has been provided prior to the outfall to the River Irk. This is to help remove any final silts and hydrocarbons that may be present in the surface water run-off.

On the basis that water levels in the river will fluctuate, a non-return valve has been provided on the inlet to the flow control manhole. This is to prevent any backflow entering the site drainage system and was specified in lieu of a flap valve on the river outfall due to Environment Agency restrictions.

An Environmental Permit Application was submitted to and approved by the Environment Agency for the river outfall under reference EPR/UB3350MD. A copy of the permit is included in Appendix E.

A copy of the final as constructed drainage drawings are provided in Appendix B.

1.2 Foul Water Strategy

Similarly to surface water drainage, the proposed foul water scheme has also been developed around the two separate and distinct parts of the site with each area, north and south, having its own separate network and outfall to the public sewer system.

The south of the site drains in a south westerly towards Gould Street where it connects into the existing 880mm diameter combined sewer which flows towards Dantzic Street.

The north of the site drains in a north westerly direction where it connects directly onto the 1470 diameter combined sewer in Dantzic Street.

S106 applications for the two foul water outfalls were submitted to, and approved by, United Utilities under reference EC5654 & EC5626. A copy of the inspection notices are included in Appendix G.

A copy of the final construction issue drainage drawings are provided in Appendix B.

2.0 CCTV REVIEW

A post-construction CCTV survey was undertaken by Buxton Water on the 12th September 2023 to confirm construction accuracy. A copy of the survey report can be found in Appendix J.

The findings and recommendations from the survey are summarised below.

Survey	Survey Start	Survey End	Diameter	Material	Comments
1	S1.9	Unknown	150	PVC	No defects
2	S1.9	S.10	150	PVC	No defects
3	Hopper 1	S1.9-S1.10	150	PVC	No defects
4	S1.10	S.12	150	PVC	No defects
5	S1.10 (1)	Uknown	150	PVC	No defects
6	S1.10 (2)	Uknown	150	PVC	No defects
7	Hopper 2	S1.10-S1.12	150	PVC	No defects
8	Hopper 3	S1.10-S1.12	150	PVC	No defects
9	Hopper 4	S1.10-S1.12	150	PVC	No defects
10	S1.11	Uknown	150	PVC	Residual standing Water from 6.43m to 8.69m
11	S1.11	S1.12	150	PVC	Residual standing Water from 5.71m to 7.55m
12	Hopper 6	S1.11-S1.12	150	PVC	No defects
13	Hopper 7	S1.11-S1.12	150	PVC	No defects
14	Hopper 8	S1.11-S1.12	150	PVC	No defects
15	Hopper 9	S1.11-S1.12	150	PVC	No defects
16	Hopper 10	S1.11-S1.12	150	PVC	No defects
17	Hopper 11	S1.11-S1.12	150	PVC	No defects
18	Hopper 12	S1.11-S1.12	150	PVC	No defects
19	Hopper 12	S1.11-S1.12	150	PVC	No defects
20	F2.0	Uknown	150	PVC	No defects
21	F2.0 (1)	Uknown	150	PVC	No defects
22	F2.0 (2)	Uknown	150	PVC	No defects

Survey	Survey Start	Survey End	Diameter	Material	Comments
23	F2.0	F2.1	150	PVC	No defects
24	F2.1 (1)	Restbend	150	PVC	Residual standing water at 0.26m
25	F2.1 (2)	Restbend	150	PVC	No defects
26	F2.1	F2.2	150	PVC	No defects
27	F2.2 (1)	Restbend	100	PVC	No defects
28	F2.2 (2)	Restbend	150	PVC	No defects
29	F2.2	F2.3	150	PVC	No defects
30	F2.3 (1)	Restbend	100	PVC	No defects
31	F2.3 (2)	Restbend	150	PVC	No defects
32	F2.3	F2.8	150	PVC	No defects
33	F2.5	F2.7	150	PVC	No defects
34	F2.7	F2.8	150	PVC	No defects
35	F2.5	F2.5	150	PVC	No defects
36	F2.4	Restbend	100	PVC	No defects
37	F2.4 (1)	Restbend	100	PVC	No defects
38	F2.4 (2)	Restbend	100	PVC	No defects
39	F2.4 (3)	Restbend	100	PVC	No defects
40	F2.6A	Restbend	100	PVC	No defects
41	F2.6A (1)	Restbend	100	PVC	No defects
42	F2.6A (2)	Restbend	100	PVC	No defects
43	F2.6A	F2.6	100	PVC	No defects
44	F2.6A (3)	Restbend	100	PVC	No defects
45	F2.6A (4)	Restbend	100	PVC	No defects
46	F2.6A (1)	Restbend	100	PVC	No defects
47	F2.6 (2)	Restbend	150	PVC	No defects
48	F2.6	F2.7	150	PVC	No defects
49	F2.9	F2.11	225	PVC	No defects
50	F2.11	F2.8	150	PVC	No defects
51	F2.9 (1)	Restbend	100	PVC	No defects

Survey	Survey Start	Survey End	Diameter	Material	Comments
52	F2.9 (1)	Restbend	100	PVC	No defects
53	F2.9 (3)	Restbend	100	PVC	No defects
54	F2.9 (4)	Restbend	100	PVC	No defects
55	F2.9 (5)	Restbend	100	PVC	No defects
56	F2.9 (6)	Restbend	100	PVC	No defects
57	F2.10A	F2.10B	150	PVC	No defects
58	F2.10A (1)	F2.10B	150	PVC	No defects
59	F2.10A	F2.10	150	PVC	No defects
60	F2.16A (1)	Restbend	150	PVC	No defects
61	F2.16A (2)	Restbend	150	PVC	No defects
62	F2.16A	F2.16	150	PVC	No defects
63	F2.16	F2.17	225	PVC	No defects
64	F2.16 (1)	F2.15	150	PVC	No defects
65	F2.16 (2)	Restbend	150	PVC	No defects
66	F2.16B	Restbend	150	PVC	No defects
67	F2.16B	F2.16-F2.17	150	PVC	No defects
68	F2.16B (1)	Restbend	150	PVC	No defects
69	F2.16B (2)	Restbend	150	PVC	No defects
70	F2.17	F2.20	300	PVC	No defects
71	F2.17 (1)	Restbend	150	PVC	No defects
72	F2.17A (1)	Restbend	150	PVC	No defects
73	F2.17A	F2.17-F2.20	150	PVC	No defects
74	F2.17A (2)	Restbend	150	PVC	No defects
75	F2.17A (3)	Restbend	150	PVC	No defects
76	F2.10	F2.11	150	PVC	No defects
77	F2.10 (1)	Restbend	150	PVC	No defects
78	F2.10 (2)	Unknown	150	PVC	No defects
79	F2.10 (3)	Restbend	100	PVC	No defects

Survey	Survey Start	Survey End	Diameter	Material	Comments
80	F2.11	F2.13	225	PVC	No defects
81	F2.13	F2.16	225	PVC	No defects
82	F2.13 (1)	Restbend	150	PVC	No defects
83	F2.13	F2.12	150	PVC	No defects
84	F2.15	F2.14A	150	PVC	No defects
85	F2.15 (1)	Restbend	150	PVC	No defects
86	F2.15 (2)	Restbend	150	PVC	No defects
87	S1.2	S1.1	150	PVC	No defects
88	S1.2	S1.2A	150	PVC	No defects
89	S1.2 (1)	Restbend	150	PVC	No defects
90	S1.2A	S1.3	150	PVC	No defects
91	F1.17	F1.16	150	PVC	No defects
92	F1.17 (1)	Restbend	100	PVC	No defects
93	F1.17 (2)	Restbend	100	PVC	No defects
94	F1.17	F1.28	225	PVC	No defects
95	F1.17 (3)	Restbend	100	PVC	No defects
96	F1.17 (4)	Restbend	100	PVC	No defects
97	F1.17 (5)	Restbend	100	PVC	No defects
98	F1.28 (1)	F1.19	150	PVC	No defects
99	F1.28	F1.21	225	PVC	No defects
100	F1.28 (2)	Restbend	150	PVC	No defects
101	F1.28 (3)	Restbend	150	PVC	No defects
102	F1.28 (4)	Restbend	150	PVC	No defects
103	F1.21	F1.22	225	PVC	No defects
104	F1.21 (1)	Restbend	100	PVC	No defects
105	F1.21 (2)	Restbend	100	PVC	No defects
106	F1.21 (3)	Restbend	100	PVC	No defects
107	F1.22	F1.23	225	PVC	No defects
108	F1.22 (1)	F1.15	225	PVC	No defects
109	F1.13	F1.15	225	PVC	No defects

Survey	Survey Start	Survey End	Diameter	Material	Comments
110	F1.13 (1)	F1.12	225	PVC	No defects
111	F1.13	F1.11	225	PVC	No defects
112	F1.4	Restbend	225	PVC	No defects
113	F1.4 (1)	Restbend	100	PVC	No defects
114	F1.4 (2)	F1.25	150	PVC	No defects
115	F1.4	F1.6	150	PVC	No defects
116	F1.4	F1.3	100	PVC	No defects
117	F1.4 (4)	F1.24	100	PVC	No defects
118	F1.6	F1.5	225	PVC	No defects
119	F1.6	F1.9	225	PVC	No defects
120	F1.8	Restbend	150	PVC	No defects
121	F1.8 (1)	Restbend	150	PVC	No defects
122	F1.8	F1.9	150	PVC	No defects
123	F1.8 (2)	Restbend	150	PVC	No defects
124	F1.8 (3)	Restbend	100	PVC	No defects
125	F1.26 (1)	Restbend	100	PVC	No defects
126	F1.26 (2)	Restbend	100	PVC	No defects
127	F1.26	F.13	100	PVC	No defects
128	F1.0 (1)	Restbend	100	PVC	No defects
129	F1.0	F1.1	150	PVC	No defects
130	F1.0 (2)	Restbend	150	PVC	No defects
131	F1.1 (1)	Restbend	150	PVC	No defects
132	F1.1 (2)	Restbend	100	PVC	No defects
133	F1.1	F1.2	150	PVC	No defects
134	F1.53	Restbend	150	PVC	No defects
135	F1.53 (1)	F1.52	150	PVC	No defects
136	F1.53	F1.54	150	PVC	No defects
137	F1.53 (2)	Restbend	150	PVC	No defects
138	F1.51	Restbend	150	PVC	No defects
139	F1.51 (1)	Restbend	150	PVC	No defects

Survey	Survey Start	Survey End	Diameter	Material	Comments
140	F1.51	F1.52	150	PVC	No defects
141	F1.52	Restbend	150	PVC	No defects
142	F1.52 (1)	Restbend	150	PVC	No defects
143	F1.54	F1.56	150	PVC	No defects
144	S1.21B	Restbend	150	PVC	No defects
145	S1.21B (1)	Restbend	150	PVC	No defects
146	S1.21B	S1.21	225	PVC	No defects
147	S1.21B (2)	Restbend	150	PVC	No defects
148	S1.21 (1)	Restbend	225	PVC	No defects
149	S1.21	S1.22	225	PVC	No defects
150	F1.26	F1.27	150	PVC	No defects
151	F1.56 (1)	Restbend	150	PVC	No defects
152	S1.22	S1.23	225	PVC	No defects
153	S1.22 (1)	Restbend	150	PVC	No defects
154	S1.23	S1.25	225	PVC	No defects
155	S1.23 (1)	Restbend	225	PVC	No defects
156	Hopper 1	F1.7	100	PVC	No defects
157	Hopper 2	S1.23-S1.25	150	PVC	No defects
158	Hopper 3	S1.23-S1.25	150	PVC	No defects
159	Hopper 4	S1.23-S1.25	150	PVC	No defects
160	Hopper 5	S1.23-S1.25	150	PVC	No defects
161	Hopper 6	S1.23-S1.25	150	PVC	No defects
162	Hopper 7	F1.7	100	PVC	No defects
163	Hopper 8	S1.24-S1.25	150	PVC	No defects
164	Hopper 9	S1.24-S1.25	150	PVC	No defects
165	Hopper 10	F1.10	100	PVC	Concrete in line.
166	Hopper 11	S1.24-S1.25	150	PVC	No defects
167	Hopper 12	S1.24-S1.25	150	PVC	No defects
168	Hopper 13	S1.24-S1.25	150	PVC	No defects
169	Hopper 14	S1.24-S1.25	150	PVC	No defects

Survey	Survey Start	Survey End	Diameter	Material	Comments
170	Hopper 15	S1.24	150	PVC	No defects
171	S1.24	S1.25	225	PVC	No defects
172	S1.3	S1.4	300	PVC	No defects
173	S1.3	S1.0A	300	PVC	No defects
174	F2.20A (1)	Restbend	150	PVC	No defects
175	F2.20A (2)	Restbend	100	PVC	No defects
176	F2.20A	F2.20	225	PVC	No defects
177	S1.0A	S1.0	300	PVC	No defects
178	S1.0A (1)	Restbend	150	PVC	No defects
179	F2.19	F2.20	150	PVC	No defects
180	F2.19 (1)	Restbend	100	PVC	No defects
181	F2.19 (2)	Restbend	100	PVC	No defects
182	F2.18	Restbend	150	PVC	No defects
183	F2.18 (1)	Restbend	100	PVC	No defects
184	F2.18 (2)	Restbend	100	PVC	No defects
185	F2.18	F2.18A	150	PVC	No defects
186	F2.18A (1)	Restbend	100	PVC	No defects
187	F2.18A (2)	Restbend	100	PVC	No defects
188	F2.18A	F2.18B	150	PVC	No defects
189	F2.18B (1)	Restbend	100	PVC	No defects
190	F2.18B (2)	Restbend	100	PVC	No defects
191	F2.18B (3)	Restbend	150	PVC	No defects
192	F2.18B	F2.19	150	PVC	No defects
193	F2.14	Restbend	150	PVC	No defects
194	F2.14 (1)	Restbend	150	PVC	No defects
195	F2.14 (2)	Restbend	150	PVC	No defects
196	F2.14	F2.14A	150	PVC	No defects
197	F2.14 (3)	Restbend	150	PVC	No defects
198	F2.14A (1)	Restbend	100	PVC	No defects
199	F2.14A (2)	Restbend	150	PVC	No defects

Survey	Survey Start	Survey End	Diameter	Material	Comments
200	F2.14A (3)	Restbend	150	PVC	No defects
201	F2.12	Restbend	150	PVC	No defects
202	F2.12 (1)	Restbend	100	PVC	No defects
203	F212 (2)	Restbend	100	PVC	No defects
204	F2.12A	F2.12	150	PVC	No defects
205	F2.12A	Restbend	150	PVC	No defects
206	F2.12A (1)	Restbend	150	PVC	No defects
207	F2,12A (2)	Restbend	100	PVC	No defects
208	S1.28	S1.27	300	PVC	No defects
209	S1.28	River	300	PVC	No defects
210	River	S1.28	300	PVC	No defects
211	F1.15	F1.14	150	PVC	No defects
212	F1.15 (1)	Restbend	100	PVC	No defects
213	F1.15 (2)	Restbend	100	PVC	No defects
214	F1.12	Restbend	150	PVC	No defects
215	F1.12 (1)	Restbend	100	PVC	No defects
216	F1.12 (2)	Restbend	100	PVC	No defects
217	F1.12 (3)	Restbend	150	PVC	No defects
218	F1.12 (4)	Restbend	150	PVC	Debris in line which was cleared
219	F1.12 (4)	Restbend	150	PVC	No defects
220	F1.10	Restbend	150	PVC	Line is capped off
221	F1.10 (1)	Restbend	100	PVC	Concrete in line at restbend
222	F1.10 (2)	Restbend	150	PVC	No defects
223	F1.10	F1.11	150	PVC	Concrete in line was removed
224	F1.10 (3)	Restbend	150	PVC	Concrete in line
225	F1.10 (4)	Restbend	100	PVC	Concrete in line
226	F1.11	F1.9	225	PVC	No defects
227	F1.11	F1.14	225	PVC	Concrete in line was removed
228	F1.27	Restbend	150	PVC	No defects
229	F1.27 (1)	Restbend	100	PVC	No defects

Survey	Survey Start	Survey End	Diameter	Material	Comments
230	F1.27	F1.25	150	PVC	No defects
231	F1.25 (1)	Restbend	100	PVC	No defects
232	F1.25 (2)	Restbend	150	PVC	No defects
233	F1.5	Restbend	150	PVC	No defects
234	F1.5 (1)	Restbend	150	PVC	No defects
235	F1.7	F1.8-F1.11	150	PVC	No defects
236	F1.7	Restbend	150	PVC	No defects
237	F1.7 (1)	Restbend	100	PVC	No defects
238	F1.7 (2)	Restbend	100	PVC	No defects
239	F1.24 (1)	Restbend	150	PVC	No defects
240	F1.24 (2)	Restbend	150	PVC	No defects
241	F1.24 (3)	Restbend	100	PVC	No defects
242	F1.3	F1.2	150	PVC	No defects
243	F1.3 (1)	Restbend	100	PVC	No defects
244	F1.3 (2)	Restbend	100	PVC	No defects
245	F1.2 (1)	Restbend	150	PVC	No defects
246	F1.14	Restbend	150	PVC	No defects
247	F1.14 (1)	Restbend	100	PVC	No defects
248	F1.14 (2)	Restbend	150	PVC	No defects
249	F1.14 (3)	Restbend	150	PVC	No defects
250	F1.14 (4)	Restbend	150	PVC	No defects
251	F1.18	Restbend	150	PVC	No defects
252	F1.18 (1)	Restbend	100	PVC	No defects
253	F1.18	F1.19	150	PVC	No defects
254	F1.18 (2)	Restbend	100	PVC	No defects
255	F1.19	Restbend	150	PVC	No defects
256	F1.16 (1)	Restbend	100	PVC	No defects
257	F1.16 (2)	Restbend	150	PVC	No defects
258	F1.16 (3)	Restbend	150	PVC	No defects
259	F1.16 (4)	Restbend	100	PVC	No defects

Survey	Survey Start	Survey End	Diameter	Material	Comments
260	Hopper 16	S1.14	150	PVC	No defects
261	S1.13	S1.14	150	PVC	No defects

There were a small number of pipe runs which were found to contain debris from review of the post-construction CCTV survey. These pipe runs are understood to have been cleaned/ jetted to remove these obstructions.

The remainder of the foul and surface water drainage networks had no defects present and can be considered installed to a satisfactory standard.

A copy of the as-built site records can be found in Appendix C.

3.0 VERIFICATION

RoC Consulting can confirm that the foul and surface water drainage systems have been constructed in accordance with the design layout drawings, details and specification.

Following a review of the as-built drawings provided by the contractors, and the post construction CCTV survey, we can confirm that with the exception of some minor layout and level adjustments to suit construction, the drainage systems have been adequately installed.

At the request of the Lead Local Flood Authority, the as-built surface water drainage system has been checked in Microdrainage to ensure that it still operates satisfactorily in line with the hydraulic calculations and drainage proposals submitted at pre-commencement.

The revised microdrainage output is contained in Appendix D. It demonstrates that the as-built drainage system operates as designed for all storm return periods up the 100 year event including a 40% allowance for climate change.

Taking the above into consideration, RoC believe that the drainage system will operate effectively and as intended in accordance with the design drawings, details and specification.

The as-built drainage scheme drawings to accompany the calculations are provided in Appendix B.

Photographs showing a number of the drainage installations, as recorded during construction, are provided in Appendix E.

4.0 GENERAL MAINTENANCE ARRANGEMENTS

Maintenance Frequency

Regular visual inspections of the sites drainage systems should be undertaken as often as is necessary to fulfil the required standard of maintenance. The necessary frequency can be divided into:

1. Regular Maintenance: Basic tasks completed on a frequent and predictable schedule.

2. Occasional Maintenance: Tasks that are likely to be required only periodically and much less frequently.

Maintenance Record

The site facilities management team and/or appointed management company will be provided with a 'Maintenance Record' so that they are aware of the function and maintenance requirements of the drainage system.

The record should include:

1. Location of the drainage system features within the site which are shown on RoC Final Construction drawings:

    - VRS-ROC-ZZ-XX-DR-C-DGA01 C10 Drainage GA Sheet 1
    - VRS-ROC-ZZ-XX-DR-C-DGA02 C10 Drainage GA Sheet 2
    - VRS-ROC-ZZ-XX-DR-C-DGA03 C10 Drainage GA Sheet 3
    - VRS-ROC-ZZ-XX-DR-C-DGA04 C6 Drainage GA Sheet 4
    - VRS-ROC-ZZ-XX-DR-C-DGA05 C5 Drainage GA Sheet 5

2. Drainage construction details as shown on RoC drawings:

    - VRS-ROC-ZZ-XX-DR-C-DCD01 C2 Drainage Details Sheet 1
    - VRS-ROC-ZZ-XX-DR-C-DCD02 C2 Drainage Details Sheet 2
    - VRS-ROC-ZZ-XX-DR-C-DCD03 C3 Drainage Details Sheet 3
    - VRS-ROC-ZZ-XX-DR-C-DCD04 C1 Drainage Details Sheet 4

3. Site Records showing the final construction information:

    - JRL-AB-VRA-PA-LB1-Drainage-001-AB00 Podium A Drainage
    - JRL-AB-VRA-PB-LB1-Drainage-001-AB00 Podium B Drainage

4. Maintenance Schedule

Regular Maintenance

Inspections of the drainage network should be conducted as per the maintenance schedules (Appendix J) and could be integrated with Landscape Management activities such as grass cutting, which may also be undertaken at similar intervals.

It is recommended that the frequency of inspections should be increased during the first year of operation so that inspections are also conducted after every significant storm event to ensure that the drainage systems are functioning correctly and, if necessary, implement improvement works to optimise performance.

Elements which should be inspected include:

- Inlets and outlets – ensure that inlets and outlets associated with the detention basins are clear and that flows are not impeded. Any obstruction or build-up of material must be removed as soon as possible.

- Structure – a visual inspection of the attenuation tanks, flow control devices, non-return valves, separator etc to check for any seepages or leaks. This inspection should also include a check for structural damage. Any defects should be remediated as soon as possible.

- Water Quality – is there evidence of poor water quality in the surface water storage systems e.g. algae, oils or odours, if so further inspection and remedial actions should be taken.

- Sediment build-up – a visual inspection of the attenuation tank, hydrodynamic separator, manholes / inspection chambers, gullies, channel drains, sumps, rain garden etc to determine whether there is evidence of silt build-up. Any evidence of silt build-up should be reported and inspected further to determine whether silt removal should be initiated.

- Evidence of Inefficiencies – is there any visual evidence of surface water building up in the system or on the surface which could indicate that the connections are blocked or damaged, if so, remedial action should be implemented.

Occasional Maintenance

To ensure the long-term effectiveness of the drainage scheme, accumulated sediment should be periodically removed. The frequency at which this is done will vary over the lifetime of the development. Accumulation will generally be most acute during and immediately following the construction period i.e. until such time as all hard and soft landscaping within the catchment is complete and well established and all construction work is finished. At this point, the amount of sediment entering the drainage system will be reduced.

Until all development is concluded, careful consideration should be given to sediment build up during the regular inspections outlined above. Following development completion, the frequency at which sediment removal will be required could be between 10 to 15 years. This could be extended if an appropriate maintenance regime is undertaken on the network upstream of the attenuation features.

Sediment removal should be undertaken in such a way as to prevent damage to the SuDS features, minimise the impact on ecological systems and maintain aesthetic appearance. The particular method of removal will depend upon the SuDS feature, access, wildlife concerns and sediment depth.

Pipework, Manholes, Inspection Chambers & General Maintenance

The following maintenance schedules are recommended.

- Local repair or local replacement of damaged pipes or other structures in order to maintain the functionality of the drainage system.
- Cleaning and removal of sediments, obstructions etc. to restore / maintain hydraulic capacity.
- Jetting / vacuum of sewers to be undertaken as often as necessary to remove silts and/or ordinary debris.
- In the event that any extraordinary issues are encountered during an inspection, further investigation in the form of a CCTV survey may be required.
- Maintenance to be undertaken on a six-monthly schedule.
- All manhole covers should be lifted and the manholes visually inspected for silt, debris and signs of blockages within the drainage system. Check manhole covers and frames for damage and ensure correctly bolted together. This should be undertaken on a six monthly basis.

- Should any debris or blockages be detected, the manholes should be cleaned along with associated pipe runs using high pressure jetting equipment. On completion a CCTV survey should be undertaken to verify / identify that no further remedial works are required.

- To avoid damaging the pipe, PSI pressures should be verified before jetting of any plastic twin wall drainage. Cleaning of drainage systems may require the temporary sealing of the system and careful collection of the effluent for disposal off site.

Control Manhole Maintenance

The proposed drainage system incorporates the use of various flow controls to restrict pass forward flows from areas of the main site drainage systems. These take the form of Hydrobrake Vortex devices and Orifice Plates, the location of which are identified on the drainage general arrangement drawings in Appendix B.

The controls do not have any moving parts and therefore require very little in the way of maintenance other than an inspection for debris / blockage. In particular, the orifice control devices used across the permeable pavement systems are potentially prone to blockage due to the orifice size being less than 75mm in places.

The typical maintenance schedule is provided in Appendix K.

Attenuation Tank Maintenance

Regular inspection and maintenance are required to ensure the effective long-term operation of below-ground attenuation systems. The attenuation tanks will be maintained in accordance with advice provided by the manufacturer, while the responsibility for this maintenance will be placed with the sites facilities management team and/or appointed maintenance company.

The maintenance tasks of the attenuation tanks generally include the inspection of the inlets, outlets, air vents and overflows to identify silt build-up and/or structural damage to determine if remedial actions are required. If allowed to develop, these issues can severely reduce the effectiveness of the tank.

The typical maintenance schedule is provided in Appendix K.

Permeable Paving Maintenance

Permeable pavements provide a pavement suitable for pedestrian and/or vehicular traffic, while allowing rainwater to infiltrate through the surface and into the underlying layers. In this instance, the water is temporarily stored before passed forward to the site wide drainage system.

Regular inspection and maintenance are important for the effective operation of permeable pavements. They should be inspected for clogging, litter, weeds and water ponding and all failures should be rectified. Inspections should be undertaken regularly, preferably after heavy rainfall to check effective operation and to identify any areas of ponding.

Permeable surfaces need to be regularly cleaned of silt and other sediments to preserve their infiltration capability.

The area of permeable paving is provided with number of permavoid geocellular units which serve as outlets. These help with the onward transmission of surface water flows to the wider drainage system. Both the upstream and downstream access chambers should be inspected for siltation and cleaned as necessary.

The typical maintenance schedule is provided in Appendix K.

Rain Garden Maintenance

Rain Gardens act as infiltration points for roof water and other clean surface water. The system implemented in the scheme drainage receives a small area of roof drainage via a rainwater downpipe which is connected directly to the planter via a permavoid rainwater diffuser unit. The rain garden is to be planted with flowers and vegetation which will capture and absorb most of the run-off. Any excess is allowed to leave the planter via a further permavoid diffuser unit which is connected to the main site drainage system.

Maintenance of the rain garden should be co-ordinated with the site wide landscape maintenance and will generally include vegetation management, litter / trash removal and inspection of the downstream access chamber for any blockages / siltation.

The typical maintenance schedule is provided in Appendix K.

APPENDIX A – PLANNING CONSENT

MANCHESTER CITY COUNCIL

Important – Planning permission & notices of consent

Compliance with conditions

- Your planning approval or consent is attached. It will contain conditions that you must comply with.
- Please read the conditions and understand their requirements and restrictions, for example submission and approval of details or measures to protect trees.
- Some conditions will require action before you start development and it is imperative that you seek to have these discharged before any work commences.
- Whilst every effort has been made to group conditions logically, it is your responsibility to ensure that you are aware of the requirements and/or restrictions of all conditions.
- If you fail to comply with the conditions this may result in a breach of planning control and this may lead to enforcement action.
- Failure to comply with conditions may also result in the development not being lawful.
- It is in your interests to demonstrate that conditions have been complied with. Failure to do so may cause difficulties if the property is sold or transferred.
- A fee is payable for each request to discharge conditions.
- For advice on any of these matters, please contact Planning, Manchester City Council, PO Box 532, Town Hall, Manchester M60 2LA or email planning@manchester.gov.uk

MANCHESTER CITY COUNCIL

Town & Country Planning Act 1990 (as amended)

Planning Permission

Applicant	Agent (if used)
Far East Consortium International Ltd C/o Agent	Mr Paul Nellist Avison Young Norfolk House 7 Norfolk Street Manchester M2 1DW

Part 1 – Particulars of the application/development

Proposal: Erection of a residential-led mixed use development comprising 3 no. towers (37, 26 and 18 storeys) and podium levels (6 storey) to form 634 residential apartments and townhouse accommodation (Use Class C3) together with commercial accommodation (1222 sqm) (Use Classes A1,A2,A3,A4,A5,B1, D1 and D2)); with associated residential amenity areas, refuse storage, plant (including substation), car parking, cycle storage, landscaping and new public realm including the re-instatement of Bromley Street and other associated works

Location: Land Bound By Dantzic Street, Gould Street, Williamson Street And Bromley Street , (Known As Victoria Riverside), Manchester

Date of application: 19 May 2020

Application number: 126944/FO/2020

Part 2 – Particulars of decision

Manchester City Council gives notice that the development referred to in Part 1 has been **Approved** in accordance with the application and plans submitted subject to the condition(s) listed below (if any).

Article 35 Declaration

Officers have worked with the applicant in a positive and proactive manner based on seeking solutions to problems arising in relation to dealing with the planning application. Pre application advice has been sought in respect of this matter where early discussions took place regarding the siting/layout, scale, design and appearance of the development along with noise and traffic impacts. Further work and discussion shave taken place with the applicant through the course of the application, particularly in respect of the appearance of the building along with other matters arising from the consultation and notification. The proposal is considered to be acceptable and therefore determined within a timely manner.

Condition(s) attached to this decision

1) The development must be begun not later than the expiration of three years beginning with the date of this permission.

Reason - Required to be imposed pursuant to Section 91 of the Town and Country Planning Act 1990.

2) Prior to the commencement of development, a detailed phasing plan (including enabling phase and indicative timescales for implementation) for the development shall be submitted for approval in writing by the City Council, as Local Planning Authority. The development shall then be carried out in accordance with the phasing plan and timescales agreed.

Reason - The development is to be carried out on a phased basis and details must therefore be agreed in this regard to ensure that a comprehensive development provided at this site pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012).

3) The development hereby approved shall be carried out in accordance with the following drawings and documents:

Drawings

DAST-HBA-00-XX-DR-APL20_0001, DAST-HBA-00-XX-DR-APL20_0002, DAST-HBA-00-00-DR-APL20_0100, DAST-HBA-00-02-DR-APL20_0102, DAST-HBA-00-03-DR-APL20_0103, DAST-HBA-00-04-DR-APL20_0104, DAST-HBA-00-05-DR-APL20_0105, DAST-HBA-00-06-DR-APL20_0106, DAST-HBA-00-12-DR-APL20_0112, DAST-HBA-00-18-DR-APL20_0118, DAST-HBA-00-23-DR-APL20_0123, DAST-HBA-00-26-DR-APL20_0126, DAST-HBA-00-36-DR-APL20_0137, DAST-HBA-00-ZZ-DR-APL20_0200, DAST-HBA-00-ZZ-DR-APL20_0201, DAST-HBA-00-ZZ-DR-APL20_0202, DAST-HBA-00-ZZ-DR-APL20_0203, DAST-HBA-00-ZZ-DR-APL20_0204, DAST-HBA-00-ZZ-DR-APL20_0205, DAST-HBA-00-ZZ-DR-APL20_0206, DAST-HBA-00-ZZ-DR-APL20_0207, DAST-HBA-00-ZZ-DR-APL20_0208, DAST-HBA-00-ZZ-DR-APL20_0209, DAST-HBA-00-ZZ-DR-APL20_0210, DAST-HBA-00-ZZ-DR-APL20_0211, DAST-HBA-00-ZZ-DR-APL20_0212, DAST-HBA-00-ZZ-DR-APL20_0300, DAST-HBA-00-ZZ-DR-APL20_0301, DAST-HBA-00-ZZ-DR-APL20_0302, DAST-HBA-00-ZZ-DR-APL20_0500, DAST-HBA-00-ZZ-DR-APL20_0501, DAST-HBA-00-ZZ-DR-APL20_0502, DAST-HBA-00-ZZ-DR-APL20_0503, DAST-HBA-00-ZZ-DR-APL20_0504, DAST-HBA-00-ZZ-DR-APL20_0505, DAST-HBA-00-ZZ-DR-APL20_0506, , DAST-HBA-00-ZZ-DR-APL20_0508, DAST-HBA-00-ZZ-DR-APL20_0509, DAST-HBA-00-ZZ-DR-APL20_0510, 1768.1-PLA-XX-XX-DR-L-0001 P06, 1768.1-PLA-XX-XX-DR-L-0002 P04, 1768.1-PLA-XX-XX-DR-L-0003 P05, 1768.1-PLA-XX-XX-DR-L-0004 P05, 1768.1-PLA-XX-XX-DR-L-0005 P06, 1768.1-PLA-XX-XX-DR-L-1000 P06, 1768.1-PLA-XX-XX-DR-L-1001 P08, 1768.1-PLA-XX-XX-DR-L-1005 P06, 1768.1-PLA-XX-XX-DR-L-2000 P04, 1768.1-PLA-XX-XX-DR-L-2001 P05 and 1768.1-PLA-XX-XX-DR-L-6000 P04

All stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020

Drawings DAST-HBA-00-ZZ-DR-A-PL20_0507 P3 and DAST-HBA-00-ZZ-DR-A-PL20_0550 Rev 1 stamped as received by the City Council, as Local Planning Authority, on the 10 August 2020

Supporting Information

DAS (including Landscaping, Refuse Management Strategy and Public Realm Statement) prepared by Hawkins Brown and Planit-IE, Tall Building Statement prepared by Avison Young, Consultation Statement prepared by Counter Context, Crime Impact Statement prepared by Greater Manchester Police, Site Investigation Report (Phase 1) prepared by LK Consulting, Site Investigation Report (Phase 2), prepared by LK Consulting, Environmental Standards Statement (including ventilation strategy), prepared by ARUP, Ecological Appraisal, prepared by Paul Chester & Associates Ltd, TV Reception Survey prepared by SCS Technologies Ltd;
Detailed Fire Strategies prepared by BB7, Environmental Statement comprising:

ES Volume 1: Non-Technical Summary, prepared by Avison Young;
ES Volume 2: Main Text:
o Chapter 1 - Introduction, prepared by Avison Young;
o Chapter 2 - Approach, prepared by Avison Young;
o Chapter 3 - Site Description, prepared by Avison Young;
o Chapter 4 - Alternatives, prepared by Avison Young;
o Chapter 5 - The Proposed Development, prepared by Avison Young;
o Chapter 6 - Planning Policy Context, prepared by Avison Young;
o Chapter 7 - Townscape and Visual Impact, prepared by Planit-IE;
o Chapter 8 - Heritage, prepared by Stephen Levant Heritage Architecture;
o Chapter 9 - Flood Risk and Drainage, prepared by Civic Engineers;
o Chapter 10 - Transport and Access, prepared by Civic Engineers;
o Chapter 11 - Air Quality and Dust (including fumes), prepared by BWB Consulting;
o Chapter 12 - Noise and Vibration, prepared by ARUP;
o Chapter 13 - Sunlight, Daylight and Overshadowing, prepared by GIA;
o Chapter 14 - Wind Microclimate (including Pedestrian Level Wind Microclimate Assessment), prepared by BMT (wind assessment) and ArcAero (ES Chapter);
o Chapter 15 - Socioeconomic (including local labour), prepared by Brookdale;
o Chapter 16 - Human Health - Enfusion
o Chapter 17 - Climate Change - Wardell Armstrong
o Chapter 18 - Cumulative Impacts, prepared by Avison Young;
o Chapter 19 - Summary of Mitigation and Residual Effects, prepared by Avison Young.

ES Volume 3: Appendices.

All stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020

ES addendum including updated Flood Risk Assessment stamped as received by the City Council, as Local Planning Authority, on the 17 August 2020

Sustainability statement and ESS addendum stamped as received by the City Council, as Local Planning Authority, on the 14 September 2020

Reason - To ensure that the development is carried out in accordance with the approved plans. Pursuant to policies SP1 and DM1 of the Core Strategy.

4) A phase of the development (save for the enabling works phase) shall not commence until details of the method for piling, or any other foundation design using penetrative methods, for that phase shall be submitted for approval in writing by the City

Council, as Local Planning Authority. The approved details shall then be implemented during the construction of the development.

Reason - Piling or any other foundation using penetrative methods can result in risks to potable supplies (pollution/turbidity, risk of mobilising contamination) drilling through different aquifers and creating preferential pathways. It is therefore necessary to demonstrate that piling will not result in contamination of groundwater. In addition, pilling can affect the adjacent railway network which also requires consideration pursuant to policies SP1, EN17 and EN18 of the Manchester Core Strategy (2012).

5) No demolition works or vegetation clearance shall take place during the optimum period for bird nesting (March - September inclusive) unless nesting birds have been shown to be absent, or, a method statement for the demolition including for the protection of any nesting birds is agreed in writing by the City Council, Local Planning Authority. Any method statement shall then be implemented for the duration of the demolition works.

Reason - In order to protect wildlife from works that may impact on their habitats pursuant to policy EN15 of the Manchester Core Strategy (2012).

6) A phase of development shall be carried out in accordance with the flood risk and drainage assessment with the ES prepared by Civic Engineers stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020.
The development shall be carried out in accordance with this information and prior to the first occupation of a phase (save for the enabling works phase), a verification report for that phase shall be submitted for approval in writing to the City Council, as Local Planning to confirm that the works in that phase have been undertaken in accordance with the previously approved reports.

Reason - In the interest of managing the flood risk at the development pursuant to policy EN14 of the Manchester Core Strategy (2012).

7) Notwithstanding the flood risk and drainage assessment with the ES prepared by Civic Engineers stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, (a) A phase of the development (save for the enabling works phase) shall not commence until a scheme for the drainage of surface water from that phase of the new development shall be submitted for approval in writing by the City Council as the Local Planning Authority. This shall include:

- Consideration of alternative green SuDs solution if practicable;

- Details of surface water attenuation that offers a reduction in surface water run off rate in line with the Manchester Trafford and Salford Strategic Flood Risk Assessment i.e at least a 50% reduction in run off rate compared to the existing rates, as the site is located within a critical drainage area.

- Runoff volume in the 1 in 100 year, 6 hours rainfall shall be constrained to a value as close as is reasonable practicable to the greenfield runoff volume for the same event, but never to exceed the runoff volume from the development site prior to redevelopment.

- Evidence that the drainage system has been designed (unless an area is designed to hold and/or convey water as part of the design) so that flooding does not

occur during a 1 in 100 year rainfall event with allowance for climate change in any part of a building.

- Assessment of overland flow routes for extreme events that is diverted away from buildings (including basements). Overland flow routes need to be designed to convey the flood water in a safe manner in the event of a blockage or exceedance of the proposed drainage system capacity including inlet structures. A layout with overland flow routes needs to be presented with appreciation of these overland flow routes with regards to the properties on site and adjacent properties off site.

- Hydraulic calculation of the proposed drainage system

- construction details of flow control and SuDs elements.

(b) The phase (save for the enabling works phase) shall then be constructed in accordance with the approved details, within an agreed timescale.

(c) Prior to the first occupation of a phase (save for the enabling works phase) a verification report for that phase shall be submitted, including relevant photographic evidence, that the scheme has been implemented in accordance with the previously approved details.

Reason - To promote sustainable development, secure proper drainage and to manage the risk of flooding and pollution pursuant to policies SP1, EN14 and DM1 of the Manchester Core Strategy (2012).

8) No development groundworks shall take place until the applicant or their agents or their successors in title have secured the implementation of a programme of archaeological works to be undertaken in accordance with a Written Scheme of Investigation (WSI) submitted to and approved in writing by the local planning authority. The WSI shall cover the following:

1. A programme for post investigation assessment, research and re-interment to include: - analysis of the finds and site investigation records - production of a final report on the significance of the archaeological and historical interest represented;

2. Provision for publication and dissemination of the analysis and report on the site investigation - including publication as part of the 'Greater Manchester's Past Revealed' series.

3. Provision for archive deposition of the report, finds and records of the site investigation

Reason - To record and advance understanding of heritage assets impacted on by the development and to make information about the archaeological heritage interest publicly accessible pursuant to policy EN3 of the Manchester Core Strategy.

9) a) Notwithstanding the Site Investigation Report (Phase 1) prepared by LK Consulting, Site Investigation Report (Phase 2) stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, a phase of the development shall not commence until the following information for that phase has been submitted for approval in writing by the City Council, as Local Planning Authority, to identify and evaluate all potential sources and impacts of any ground contamination, groundwater contamination and/or ground gas relevant to the site

- details of the initial gas monitoring investigation including a copy of any report used and also details of atmospheric pressure during monitoring to ensure assessment included periods of low and falling atmospheric pressure;
- If any of the current boundary land is to remain or reused, or areas of soft landscaping are not being removed as part of the surface dig then an updated risk assessment and potentially remediation report will be required to confirm the details of any necessary remediation in these areas.

- A water supplier risk assessment to confirm the type of water supply pipe to be installed

b) When the phase commences, the development shall be carried out in accordance with the previously agreed Remediation Strategy and a Completion/Verification Report shall be submitted to and approved in writing by the City Council as Local Planning Authority.

In the event that ground contamination, groundwater contamination and/or ground gas, not previously identified, are found to be present on the site at any time before the development is occupied, then development shall cease and/or the development shall not be occupied until, a report outlining what measures, if any, are required to remediate the land (the Revised Remediation Strategy) is submitted to and approved in writing by the City Council as Local Planning Authority and the development shall be carried out in accordance with the Revised Remediation Strategy, which shall take precedence over any Remediation Strategy or earlier Revised Remediation Strategy.

Reason - To ensure that the presence of or the potential for any contaminated land and/or groundwater is detected and appropriate remedial action is taken in the interests of public safety, pursuant to policies DM1 and EN18 of the Core Strategy.

10) A phase of the development shall not commence until a detailed construction management plan outlining working practices during construction for that phase of the development shall be submitted to and approved in writing by the Local Planning Authority, which for the avoidance of doubt should include;

- Display of an emergency contact number;
- Details of Wheel Washing;
- Dust suppression measures;
- Compound locations where relevant;
- Consultation with local residents;
- Location, removal and recycling of waste;
- Routing strategy and swept path analysis;
- Parking of construction vehicles and staff; and
- Sheeting over of construction vehicles.

A phase shall be carried out in accordance with the approved construction management plan.

Reason - To safeguard the amenities of nearby residents and highway safety, pursuant to policies SP1, EN9, EN19 and DM1 of the Manchester Core Strategy (July 2012).

11) Prior to the commencement of each phase of development, full details of ground levels, earthworks and excavations to be carried out near to the railway boundary shall

be submitted for approval in writing by the City Council, as Local Planning Authority . The development shall be implemented in accordance with the approved details.

Reason: To protect the adjacent railway, pursuant to SP1 , T1and DM1 of the Core Strategy for Manchester (1995).

12) Prior to the commencement of development (including demolition, ground works, vegetation clearance), an invasive non-native species protocol shall be submitted for approval by the City Council, as Local Planning Authority. For the avoidance of doubt this shall detail the containment, control and removal of Himalayan balsam and giant hogweed on site. The development shall be carried out in accordance with the approved protocol.

Reason - In order to deal with the invasive non-native species at the application site pursuant to policy EN15 of the Manchester Core Strategy (2012).

13) Prior to the commencement of the development within each phase (save for the enabling works phase), all material to be used on all external elevations of the development shall be submitted for approval in writing by the City Council, as Local Planning Authority. This shall include the submission of samples (including a panel) and specifications of all materials to be used on all external elevations of the development along with jointing and fixing details, details of the drips to be used to prevent staining in, ventilation/air brick and a strategy for quality control management.

The approved materials shall then be implemented as part of the development.

Reason - To ensure that the appearance of the development is acceptable to the City Council as local planning authority in the interests of the visual amenity of the area within which the site is located, as specified in policies SP1 and DM1 of the Core Strategy.

14) The window reveals and soffits for the development shall be carried out in accordance with drawings DAST-HBA-00-ZZ-DR-A-PL20_0507 P2 and DAST-HBA-00-ZZ-DR-A-PL20_0550 Rev 1 stamped as received by the City Council, as Local Planning Authority, on the 10 August 2020

For the avoidance of doubt the extent of the window reveals and detailing will be as follows:

- Minimum window reveal 200mm (300mm to commercial units);
- Brickwork to Soffits of all windows where applicable.

Reason - In the interest of preserving the architectural detailing on the scheme pursuant to policies EN1 and DM1 of the Manchester Core Strategy (2012).

15) a) Prior to the commencement of a phase of development (save for the enabling works phase), details of a Local Benefit Proposal, in order to demonstrate commitment to recruit local labour for the duration of the construction that phase of the development, shall be submitted for approval in writing by the City Council, as Local Planning Authority. The approved document shall be implemented as part of the construction of the development.

In this condition a Local Benefit Proposal means a document which includes:

i) the measures proposed to recruit local people including apprenticeships
ii) mechanisms for the implementation and delivery of the Local Benefit Proposal
iii) measures to monitor and review the effectiveness of the Local Benefit Proposal in achieving the objective of recruiting and supporting local labour objectives

(b) Within one month prior to construction work associated with each phase being completed, a detailed report which takes into account the information and outcomes about local labour recruitment pursuant to items (i) and (ii) above shall be submitted for approval in writing by the City Council as Local Planning Authority.

Reason - The applicant has demonstrated a commitment to recruiting local labour pursuant to policies SP1, EC1 and DM1 of the Manchester Core Strategy (2012).

16) Prior to any above ground works of a phase (save for the enabling works phase), details of the boundary treatment shall for that phase be submitted for approval in writing by the Council, as Local Planning Authority. The approved details shall then be implemented as part of the phase and be in place prior to the first occupation of that phase of the development.

The boundary treatment shall be retained and maintained in situ thereafter and notwithstanding the provisions of the Town and Country Planning (General Permitted Development) Order 2015 (or any order revoking or re-enacting that Order with or without modification) no boundary treatment shall be erected on site, other than that shown on the approved plans.

Reason - To ensure that the appearance of the development is acceptable to the City Council as local planning authority in the interests of the visual amenity of the area within which the site is located, as specified in policies SP1 and DM1 of the Core Strategy.

17) Prior to the first occupation of a phase hereby approved (save for the enabling works phase), details of the implementation, maintenance and management of the sustainable drainage scheme for that phase shall be submitted for approval in writing by the City Council, as Local Planning Authority.

For the avoidance of doubt the scheme shall include the following:

- Verification report providing photographic evidence of construction; and
- Management and maintenance plan for the lifetime of the development which shall include the arrangements for adoption by any public body or statutory undertaker, or any other arrangements to secure the operation of the sustainable drainage scheme throughout its lifetime.

The approved scheme shall then be implemented in accordance with the details and thereafter managed and maintained for as long as the development remains in use.

Reason - To promote sustainable development, secure proper drainage and to manage the risk of flooding and pollution pursuant to policies SP1, EN14 and DM1 of the Manchester Core Strategy (2012).

18) The development hereby approved shall be carried out in accordance with the Sustainability statement and ES addendum stamped as received by the City Council, as Local Planning Authority, on the 14 September 2020. A post construction review certificate/statement for each phase (save for the enabling works phase) shall be

submitted for approval, within a timescale that has been previously agreed in writing, to the City Council as Local Planning Authority for each phase.

Reason - In order to minimise the environmental impact of the development pursuant to policies SP1, T1-T3, EN4-EN7 and DM1 of the Core Strategy and the principles contained within The Guide to Development in Manchester SPD (2007) and the National Planning Policy Framework.

19) Notwithstanding drawings 1768.1-PLA-XX-XX-DR-L-0001 P06, 1768.1-PLA-XX-XX-DR-L-0002 P04, 1768.1-PLA-XX-XX-DR-L-0003 P05, 1768.1-PLA-XX-XX-DR-L-0004 P05, 1768.1-PLA-XX-XX-DR-L-0005 P06, 1768.1-PLA-XX-XX-DR-L-1000 P06, 1768.1-PLA-XX-XX-DR-L-1001 P08, 1768.1-PLA-XX-XX-DR-L-1005 P06, 1768.1-PLA-XX-XX-DR-L-2000 P04, 1768.1-PLA-XX-XX-DR-L-2001 P05 and 1768.1-PLA-XX-XX-DR-L-6000 P04 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, (a) prior to the first occupation of each phase (save for the enabling works phase) details of a hard and soft landscaping scheme (including appropriate materials, specifications) for that phase shall be submitted for approval in writing by the City Council as Local Planning Authority.

(b) The approved scheme for each phase shall be implemented prior to the first occupation of the residential element of each phase. If within a period of 5 years from the date of the planting of any tree or shrub, that tree or shrub or any tree or shrub planted in replacement for it, is removed, uprooted or destroyed or dies, or becomes, in the opinion of the local Planning Authority, seriously damaged or defective, another tree or shrub of the same species and size as that originally planted shall be planted at the same place.

Reason - To ensure that a satisfactory landscaping scheme for the development is carried out that respects the character and visual amenities of the area, in accordance with policies SP1, EN9 and DM1 of the Core Strategy.

20) Prior to the first occupation of the residential element of each phase (save for the enabling works phase), a detailed landscaped management plan for that phase shall be submitted for approval in writing by the City Council, as Local Planning Authority. For the avoidance of doubt this shall include details of how the hard and soft landscaping areas will be maintained including maintenance schedules and repairs. The management plan shall then be implemented as part of the development and remain in place for as long as the development remains in use.

Reason - To ensure that the satisfactory landscaping scheme for the development is maintained in the interest of the character and visual amenities of the area, in accordance with policies SP1, EN9 and DM1 of the Core Strategy

21) Notwithstanding the Chapter 12 Noise and Vibration, prepared by ARUP of the ES stamped as received by the City Council, as Local Planning Authority, on the 17 May 2020, (a) Prior to the first occupation of each phase of the development hereby approved (save for the enabling works phase), details of any externally mounted ancillary plant, equipment and servicing shall be submitted for approval in writing by the City Council, as Local Planning Authority. For the avoidance of doubt, externally mounted plant, equipment and servicing shall be selected and/or acoustically treated in accordance with a scheme designed so as to achieve a rating level of 5 dB (Laeq) below the typical background (LA90) level at the nearest noise sensitive location.

(b) Prior to the first occupation of each phase of the development (save for the enabling works phase), a verification report will be required to validate that the work undertaken conforms to the recommendations and requirements approved as part of part (a) of this planning condition. The verification report shall include post completion testing to confirm the noise criteria has been met. In instances of non conformity, these shall be detailed along with mitigation measures required to ensure compliance with the noise criteria. Any mitigation measures shall be implemented in accordance with a timescale to be agreed with the City Council, as Local Planning Authority, and thereafter retained and maintained in situ.

Reason - To minimise the impact of plant on the occupants of the development pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012) and saved policy DC26 of the Unitary Development Plan for the City of Manchester (1995).

22) (a) Notwithstanding the Chapter 12 Noise and Vibration, prepared by ARUP of the ES stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, prior to the first use of each the commercial units as indicated on drawing DAST-HBA-00-00-DR-A-PL20_0100 Rev P1 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, a scheme of acoustic insulation for that commercial unit shall be submitted for approval in writing by the City Council, as Local Planning Authority.

(b) Prior to the first use of the commercial units within each phase, a verification report will be required to validate that the work undertaken conforms to the recommendations and requirements approved as part of part (a) of this planning condition. The verification report shall include post completion testing to confirm the noise criteria has been met. In instances of non conformity, these shall be detailed along with mitigation measures required to ensure compliance with the noise criteria. Any mitigation measures shall be implemented in accordance with a timescale to be agreed with the City Council, as Local Planning Authority, and thereafter retained and maintained in situ.

Reason - In order to limit the outbreak of noise from the commercial premises pursuant to policies SP1 and DM1 of the Core Strategy (2007) and saved policy DC26 of the Unitary Development Plan for the City of Manchester (1995).

23) Notwithstanding the Chapter 12 Noise and Vibration, prepared by ARUP of the ES stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, (a) prior to the first occupation of each phase of the development (save for the enabling works phase), a scheme for acoustically insulating the proposed residential accommodation within that phase of the development against noise from Dantzic Street, local traffic network and the adjacent railway/tram line shall be submitted for approval in writing by the City Council, as Local Planning Authority. The approved noise insulation scheme shall be completed before the first occupation of the phase of development.

Noise survey data must include measurements taken during a rush-hour period and night time to determine the appropriate sound insulation measures necessary. The following noise criteria will be required to be achieved:

Bedrooms (night time - 23.00 - 07.00) 30 dB L Aeq (individual noise events shall not exceed 45 dB L Amax,F by more than 15 times per night)
Living Rooms (daytime - 07.00 - 23.00) 35 dB L Aeq
Gardens and terraces (daytime) 55 dB L Aeq (where practically possible)

(b)Prior to the first occupation of each phase of the development, a verification report for that phase of development will be required to validate that the work undertaken conforms to the recommendations and requirements approved as part of part (a) of this planning condition. The verification report shall include post completion testing to confirm the noise criteria has been met. In instances of non conformity, these shall be detailed along with mitigation measures required to ensure compliance with the noise criteria. Any mitigation measures shall be implemented in accordance with a timescale to be agreed with the City Council, as Local Planning Authority, and thereafter retained and maintained in situ.

Reason: To secure a reduction in noise from traffic or other sources in order to protect future residents from noise disturbance pursuant to policies SP1, H1 and DM1 of the Core Strategy (2007) and saved policy DC26 of the Unitary Development Plan for the City of Manchester (1995).

24) Notwithstanding the Waste and Servicing strategy within the Design and Access statement prepared by Hawkins Brown stamped as received by the City Council, as Local Planning Authority, on the 19 May 202, prior to the first occupation/use of each phase of the development (save for the enabling works phase), a scheme for the storage (including segregated waste recycling) and disposal of refuse for the residential and commercial elements within that phase of the development shall be submitted for approval in writing by the City Council, as Local Planning Authority. The details of the approved scheme shall be implemented as part of each phase and shall remain in situ whilst the use or development is in operation.

Reason - To ensure adequate refuse arrangement are put in place for the residential element of the scheme pursuant to policies EN19 and DM1 of the Manchester Core Strategy.

25) Prior to the first use of each of the commercial units, drawing DAST-HBA-00-00-DR-A-PL20_0100 Rev P1 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, details of a scheme to extract fumes, vapours and odours from that commercial unit shall be submitted for approval in writing by the City Council, as Local Planning Authority. The approved scheme shall then be implemented prior to the first occupation of each of the commercial units and thereafter retained and maintained in situ.

Reason - To ensure appropriate fume extraction is provided for the commercial units pursuant to policies SP1 and DM1 of the Manchester Core Strategy and saved policy DC10 of the Unitary Development Plan for the City of Manchester (1995).

26) Prior to the first use of each commercial unit as indicated drawing DAST-HBA-00-00-DR-A-PL20_0100 Rev P1 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, details of any roller shutters to the ground floor of that commercial unit shall be submitted for approval in writing by the City Council, as Local Planning Authority. For the avoidance of doubt the shutters shall be fitted internally to the premises. The approved details shall be implemented prior to the first occupation of each commercial units and thereafter retained and maintained in situ.

Reason - To ensure that the roller shutters are appropriate in visual amenity terms pursuant to policies SP1, EN1 and DM1 of the Manchester Core Strategy (2012).

27) The development hereby approved shall include a building and site lighting scheme and a scheme for the illumination of external areas during the period between dusk and

dawn. Prior to the first occupation of each phase (save for the enabling works phase), full details of such a scheme for that phase shall be submitted for approval in writing by the City Council, as Local Planning Authority. The approved scheme shall be implemented in full prior to the first occupation of each phase and shall remain in operation for so long as the development is occupied.

Reason - In the interests of amenity, crime reduction and the personal safety of those using and ensure that lighting is installed which is sensitive to the bat environment the proposed development in order to comply with the requirements of policies SP1 and DM1 of the Core Strategy.

28) If any lighting at the development hereby approved, when illuminated, causes glare or light spillage which in the opinion of the Council as local planning authority causes detriment to adjoining and nearby residential properties, within 14 days of a written request, a scheme for the elimination of such glare or light spillage shall be submitted to the Council as local planning authority and once approved shall thereafter be retained in accordance with details which have received prior written approval of the City Council as Local Planning Authority.

Reason - In order to minimise the impact of the illumination of the lights on the occupiers of nearby residential accommodation, pursuant to policies SP1 and DM1 of the Core Strategy.

29) Deliveries, servicing and collections including waste collections shall not take place outside the following hours:

Monday to Saturday 07:30 to 20:00
Sundays (and Bank Holidays): No deliveries/waste collections

Reason - In the interest of residential amenity pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012).

30) The commercial units hereby approved, as indicated on drawing DAST-HBA-00-00-DR-A-PL20_0100 Rev P1 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, shall not be open outside the following hours:-

Monday to Saturday	08.00hrs - 23.00hrs
Sundays	09.00hrs - 23.00hrs

There shall be no amplified sound or any amplified music at any time within the units.

Reason - In interests of residential amenity in order to reduce noise and general disturbance in accordance with saved policy DC26 of the Unitary Development Plan for the City of Manchester and policies SP1 and DM1 of the Core Strategy.

31) The commercial units as shown on drawing DAST-HBA-00-00-DR-A-PL20_0100 Rev P1 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, shall remain as separate units and shall not be sub divided or amalgamated without the benefit of planning permission being secured.

Reason- In the interests of residential amenity and to ensure the future viability and vitality of the commercial units pursuant to saved policy DC26 of the Unitary Development Plan for the City of Manchester and policies DM1, C5 and SP1 of the Manchester Core Strategy.

32) The commercial units, as indicated on DAST-HBA-00-00-DR-A-PL20_0100 Rev P1 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, can be occupied as A1, A2, A3 or A4 and D1 (excluding a place of worship). and for no other purpose of The Town and Country Planning (Use Classes) Order 1987 (or any order revoking and re-enacting that Order with or without modification). The first use of the commercial unit to be implemented shall thereafter be the permitted use of that unit

Reason - For the avoidance of doubt and in order to secure a satisfactory form of development due to the particular circumstance of the application site, ensuring the vitality of the units and in the interest of residential amenity, pursuant policy DM1 of the Core Strategy for Manchester .

33) In the event that any of the commercial units, as indicated on drawing DAST-HBA-00-00-DR-A-PL20_0100 Rev P1 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020 are occupied as Use Class A3 or A4, prior to their first use the following details must be submitted and agreed in writing by the City Council, as Local Planning Authority. These details are as follows:

- Management of patrons and control of external areas. For the avoidance of doubt this shall include:
  - o Dispersal policy;
  - o Mechanism for ensuring windows and doors remain closed after 9pm

The approved scheme shall be implemented upon first use of the premises and thereafter retained and maintained.

Reason - To safeguard the amenities of nearby residential occupiers as the site is located in a residential area, pursuant to policies SP1, DM1 and C10 of the Manchester Core Strategy and to saved policy DC26 of the Unitary Development Plan for Manchester.

34) Notwithstanding the provisions of the The Town and Country Planning (General Permitted Development) (Amendment) (England) Order 2015 (or any order revoking and re-enacting that Order with or without modification) no part of the residential element of the building shall be used for any other purpose (including any other purpose in Class C3 of the Schedule to the Town and Country Planning (Use Classes) Order 1987 as amended by The Town and Country Planning (Use Classes) (Amendment) (England) Order 2015, or in any provision equivalent to that Class in any statutory instrument revoking and re-enacting that Order with or without modification) other than the purpose(s) of C3(a). For the avoidance of doubt, this does not preclude two unrelated people sharing a property.

Reason - In the interests of residential amenity, to safeguard the character of the area and to maintain the sustainability of the local community through provision of accommodation that is suitable for people living as families pursuant to policies DM1 and H11 of the Core Strategy for Manchester and the guidance contained within the National Planning Policy Framework.

35) Notwithstanding the provisions of the Town and Country Planning (General Permitted Development) Order 2015 as amended by The Town and Country Planning (General Permitted Development) (Amendment) (England) Order 2010 (or any order revoking and re-enacting that Order with or without modification) the apartments hereby

approved shall be used only as private dwellings (which description shall not include serviced apartments/apart hotels or similar uses where sleeping accommodation (with or without other services) is provided by way of trade for money or money's worth and occupied by the same person for less than ninety consecutive nights) and for no other purpose (including any other purpose in Class C3(a) of the Schedule to the Town and Country Planning (Use Classes) Order 1987 as amended by The Town and Country Planning (Use Classes) (Amendment) (England) Order 2010, or in any provision equivalent to that Class in any statutory instrument revoking and re-enacting that Order with or without modification) other than the purpose(s) of C3(a).

Reason - To safeguard the amenities of the neighbourhood by ensuring that other uses which could cause a loss of amenity such as serviced apartments/apart hotels do not commence without prior approval; to safeguard the character of the area, and to maintain the sustainability of the local community through provision of accommodation that is suitable for people living as families pursuant to policies DM1 and H11 of the Core Strategy for Manchester and the guidance contained within the National Planning Policy Framework.

36) The development shall be carried out in accordance with the Crime Impact Statement prepared by Design for Security at Greater Manchester Police stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020. The development shall only be carried out in accordance with these approved details. Prior to the first occupation of each phase of the development (save for the enabling works phase) the Council as Local Planning Authority must acknowledge in writing that it has received written confirmation of a Secured by Design accreditation.

Reason - To reduce the risk of crime pursuant to policies SP1 and DM1 of the Core Strategy and to reflect the guidance contained in the National Planning Policy Framework.

37) The development hereby approved shall be carried out in accordance with the Framework Travel Plan stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020.

In this condition a Travel Plan means a document which includes:

i) the measures proposed to be taken to reduce dependency on the private car by those living at the development;
ii) a commitment to surveying the travel patterns of residents/staff during the first three months of the first use of the building and thereafter from time to time
iii) mechanisms for the implementation of the measures to reduce dependency on the private car
iv) measures for the delivery of specified Travel Plan services
v) measures to monitor and review the effectiveness of the Travel Plan in achieving the objective of reducing dependency on the private car

Within six months of the first occupation of each phase (save for the enabling works phase), a Travel Plan for that phase which takes into account the information about travel patterns gathered pursuant to item (ii) above shall be submitted for approval in writing by the City Council as Local Planning Authority. Any Travel Plan which has been approved by the City Council as Local Planning Authority shall be implemented in full at all times when the development hereby approved is in use.

Reason - To assist promoting the use of sustainable forms of travel for residents, pursuant to policies T1, T2 and DM1 of the Manchester Core Strategy (2012).

38) Prior to the first occupation of the residential element within each phase of the development (save for the enabling works phase) details of the cycle provision for that phase, shall be submitted for approval in writing by the City Council, as Local Planning Authority.

The approved details for that phase shall then be implemented prior to the first occupation of the residential element within that phase and thereafter retained and maintained in situ.

Reason - To ensure there is sufficient cycles stand provision at the development and the residents in order to support modal shift measures pursuant to policies SP1,T1, T2 and DM1 of the Manchester Core Strategy (2012).

39) Prior to the first occupation of the residential element within each phase of the development hereby approved (save for the enabling works phase), details of disabled car parking provision for that phase shall be submitted for approval in writing. The approved details shall then be implemented prior to the first occupation of the residential element within each phase and remain in situ for as long as the development remains in use.

Reason - To ensure sufficient car parking is available for disabled occupants of the development pursuant to policies SP1, T1, and DM1 of the Manchester Core Strategy (2012).

40) Prior to the first occupation of the residential element of each phase (save for the enabling works phase) the car parking layout for that phase as indicated on drawing DAST-HBA-00-00-DR-A-PL20_0100 Rev P1 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020 shall be implemented and made available. The car parking shall remain available for as long as the residential element remains in use.

Reason - To ensure sufficient car parking is available for the occupants of the office element of the development pursuant to policies SP1, T1, and DM1 of the Manchester Core Strategy (2012).

41) Prior to the first occupation of the residential element of each phase (save for the enabling works phase), a scheme of highway works and details of footpaths reinstatement/public realm for that phase shall be submitted for approval in writing by the City Council, as Local Planning Authority.

For the avoidance of doubt this shall include the following:

- Narrowing of footway along Dantzic Street;
- Amendments to on street parking controls to Dantzic Street and Gould Street;
- Introduction of speed restrictions and traffic calming measures to Dantzic Street and Gould Street;
- Introduction of on street disabled car parking and car club bay,
- Creation of means of access, tactile paving, kerb upstands and other improvement and alterations to the public realm;
- Vehicular controls to Bromley Street;
- Footway improvement and reinstatement works;

- Installation of street trees; and
- Cycle provision within Dantzic Street.

The approved scheme for each phase shall be implemented and be in place prior to the first occupation of the residential element of each phase and thereafter retained and maintained in situ.

Reason - To ensure safe access to the development site in the interest of pedestrian and highway safety pursuant to policies SP1, EN1 and DM1 of the Manchester Core Strategy (2012).

42) Notwithstanding the TV Reception Survey, stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, within one month of the practical completion of each phase (save for the enabling works phase), and at any other time during the construction of the development if requested in writing by the City Council as Local Planning Authority, in response to identified television signal reception problems within the potential impact area a study to identify such measures necessary to maintain at least the pre-existing level and quality of signal reception identified in the survey carried out above for that phase shall be submitted for approval in writing by the City Council, as Local Planning Authority. The measures identified must be carried out either before each phase is first occupied or within one month of the study being submitted for approval in writing to the City Council as Local Planning Authority, whichever is the earlier.

Reason - To provide an indication of the area of television signal reception likely to be affected by the development to provide a basis on which to assess the extent to which the development during construction and once built, will affect television reception and to ensure that the development at least maintains the existing level and quality of television signal reception - In the interest of residential amenity, as specified in policy DM1 of Core Strategy.

43) Prior to the first occupation of the residential element, the installation 5 7kw fast charging electric car charging points, as shown on drawing DAST-HBA-00-00-DR-A-PL20_0100 Rev P1 stamped as received by the City Council, as Local Planning Authority, on the 19 May 2020, shall be implemented and remain available for as long as the development is in.

Reason - In the interest of air quality pursuant to policies SP1 and EN16 of the Manchester Core Strategy (2012).

44) Prior to the first occupation of each phase (save for the enabling works phase), details of bird and bat boxes to be provided (including location and specification) in that phase shall be submitted for approval in writing by the City Council, as Local Planning Authority. The approved details shall then be implemented within a timescale to be agreed in writing with the City Council, as Local Planning Authority.

Reason - To provide new habitats for birds and bats pursuant to policies SP1 and EN15 of the Manchester Core Strategy (2012).

45) Notwithstanding the General Permitted Development Order 2015 as amended by the Town and Country Planning (Permitted Development and Miscellaneous Amendments) (England) (Coronavirus) Regulations 2020 or any legislation amending or replacing the same, no further development in the form of upward extensions to the

building shall be undertaken other than that expressly authorised by the granting of planning permission.

Reason - In the interests of protecting residential amenity and visual amenity of the area in which the development in located pursuant to policies DM1 and SP1 of the Manchester Core Strategy.

46) Prior to the first occupation of each phase of the development (save for the enabling works phase) a signage strategy for the entire buildings within that phase shall be submitted for approval in writing by the City Council, as Local Planning Authority. The signage strategy will include timescales for implementation. The approved strategy shall then be implemented for that phase and used to inform any future advertisement applications for the building.

Reason - In the interest of visual amenity pursuant to policies SP1 and DM1 of the Manchester Core Strategy (2012).

47) All windows at ground level, unless shown otherwise on the approved drawings detailed in condition 2, shall be retained as a clear glazed window opening at all times and views into the premises shall not be screened or obscured in any way.

Reason - The clear glazed window(s) is an integral and important element in design of the ground level elevations and are important in maintaining a visually interesting street-scene consistent with the use of such areas by members of the public, and so as to be consistent with saved policy DC14 of the Unitary Development Plan for the City of Manchester and policies SP1 and DM1 of the Core Strategy.

48) The development hereby approved shall include for full disabled access to be provided to the internal courtyard and communal walkways and via the main entrances and to the floors above.

Reason - To ensure that satisfactory disabled access is provided by reference to the provisions Core Strategy policy DM1.

49) Prior to the first occupation of each phase of the development (save for the enabling works phase), a strategy to minimise solar glare to the adjacent railway for that phase shall be submitted for approval in writing by the City Council, as Local Planning Authority. The approved strategy shall be implemented upon first occupation of that phase of the development and remain in use at all times.

Reason - In the interest of public safety for users of the adjacent railway pursuant to policy DM1 of the Manchester Core Strategy (2012).

Informatives

Building Regulations 2010
This permission does not grant approval under Building Regulations.

Street Naming & Numbering Requirements
Manchester City Council is responsible for allocating street naming and numbering within Manchester for new developments or property conversions. Individuals or businesses are not permitted to allocate their own property numbers, building or street names.

If your development includes the creation of new dwellings (either new build or conversion of existing buildings), creation of new commercial properties or the subdivision of existing properties you must ensure that you request new or changes to addresses through us so they can be officially allocated and registered in accordance with the Public Health Act 1925 Sections 17-19 & Greater Manchester Act 1981 Section 22.

Failure to do this may result in difficulties for the developer/occupier when requiring services such as connections to utilities, phone lines and postal services and may delay your development.

You can apply online at the following address:
http://www.manchester.gov.uk/info/100011/roads_parking_and_transport/1988/naming_and_numbering_of_houses_buildings_streets_and_roads/2

Mining Information
The proposed development lies within an area which could be subject to current coal mining or hazards resulting from past coal mining. Please read the Standing Advice from the Coal Authority in Appendix A.

- The developer or crane operator must contact Manchester Airports Control of Works Office at least 21 days in advent of intending to erect a crane or other tall construction equipment on the site. This is to obtain a tall equipment permit and to ascertain if any operating restrictions would be required. Any operating restriction that are subsequently imposed by Manchester Airport must be fully complied with.

- With a development of a certain height that may/will require use of a tower crane, the developer must bear in mind the following. Tower crane usage adjacent to railway infrastructure is subject to stipulations on size, capacity etc. which needs to be agreed by Network Rail's Asset Protection prior to implementation. Tower cranes have the potential to topple over onto the railway; the arms of the cranes could over-sail onto Network Rail air-space and potentially impact any over-head lines, or drop materials accidentally onto the existing infrastructure. Crane working diagrams, specification and method of working must be submitted for review and agreement prior to work(s) commencing on site.

- Network Rail will need to review and agree all excavation and earthworks to determine if the works impact upon the support zone of our land and infrastructure as well as determining relative levels in relation to the railway. Network Rail would need to agree to the following:

o Alterations to ground levels
o De-watering works
o Ground stabilisation works

Network Rail would need to review and agree the methods of construction works on site to ensure that there is no impact upon critical railway infrastructure. No excavation works are to commence without agreement from Network Rail.

Alterations in loading within proximity of the railway boundary must be agreed with Network Rail.

- Soakaways, as a means of storm/surface water disposal must not be constructed near / within 20 metres of Network Rail's boundary or at any point which could adversely affect the stability of Network Rail's property. Once water enters a pipe it becomes a controlled source and as such no water should be discharged in the direction of the railway.

Storm/surface water must not be discharged onto Network Rail's property or into Network Rail's culverts or drains.

Suitable drainage or other works must be provided and maintained by the developer to prevent surface water flows or run-off onto Network Rail's property.

Proper provision must be made to accept and continue drainage discharging from Network Rail's property.

Suitable foul drainage must be provided separate from Network Rail's existing drainage.

Drainage works could also impact upon culverts on developers land.
Water discharged into the soil from the applicant's drainage system and land could seep onto Network Rail land causing flooding, water and soil run off onto lineside safety critical equipment / infrastructure; or lead to de-stabilisation of land through water saturation.

- To note are:

The current level of railway usage may be subject to change at any time without prior notification including increased frequency of trains, night time train running, heavy freight trains, trains run at weekends /bank holidays.

Maintenance works to trains could be undertaken at night and may mean leaving the trains' motors running which can lead to increased levels of noise and vibration.

Network Rail also often carry out works at night on the operational railway when normal rail traffic is suspended and often these works can be noisy and cause vibration.

Network Rail may need to conduct emergency works on the existing operational railway line and equipment which may not be notified to residents in advance due to their safety critical nature, and may occur at any time of the day or night, during bank holidays and at weekends.

Works to the existing operational railway may include the presence of plant and machinery as well as vehicles and personnel for project or emergency works.

The proposal should not prevent Network Rail from its statutory undertaking. Network Rail is a track authority. It may authorise the use of the track by train operating companies or independent railway operators, and may be compelled to give such authorisation. Its ability to respond to any enquiries regarding intended future use is therefore limited.

- The scope and duration of any Noise and Vibration Assessments may only reflect the levels of railway usage at the time of the survey.

o Any assessments required as a part of CDM (Construction Design Management) or local planning authority planning applications validations process are between the developer and their appointed contractor.
o Network Rail cannot advise third parties on specific noise and vibration mitigation measures. Such measures will need to be agreed between the developer, their approved acoustic contractor and the local planning authority.
o Design and layout of proposals should take into consideration and mitigate against existing usage of the operational railway and any future increase in usage of the said existing operational railway.

- The developer is to submit directly to Network Rail, a Risk Assessment and Method Statement (RAMS) for all works to be undertaken in proximity of the operational

railway under Construction (Design and Management) Regulations, and this is in addition to any planning consent. Network Rail would need to be re-assured the works on site follow safe methods of working and have also taken into consideration any potential impact on Network Rail land and the existing operational railway infrastructure. Review and agreement of the RAMS will be undertaken between Network Rail and the applicant/developer. The applicant /developer should submit the RAMs directly to:

- As the proposal includes works which may impact the existing operational railway and in order to facilitate the above, a BAPA (Basic Asset Protection Agreement) will need to be agreed between the developer and Network Rail. The developer will be liable for all costs incurred by Network Rail in facilitating this proposal, including any railway site safety costs, possession costs, asset protection costs / presence, site visits, review and agreement of proposal documents and any buried services searches. The BAPA will be in addition to any planning consent.

The applicant / developer should liaise directly with Asset Protection to set up the BAPA.

For major works / large scale developments an Asset Protection Agreement will be required with further specific requirements.

AssetProtectionLNWNorth@networkrail.co.uk

Date: 15 January 2021

Signed: 

Julie Roscoe
Director of Planning, Building Control & Licensing

Manchester City Council, P O Box 532, Town Hall, Manchester M60 2LA

Notes

1. This permission refers only to that required under the Town and Country Planning Act 1990 does not include any consent or approval under any other enactment, byelaw, order or regulation.

2 If the applicant is aggrieved by the decision of the local planning authority to refuse permission or approval for the proposed development, or to grant permission or approval subject to conditions, they may appeal to the Secretary of State in accordance with Section 78(1) of the Town and Country Planning Act 1990 within six months of the date of the notice of the decision.

The Planning Inspectorate have introduced an online appeals service that can be used to make appeals online. This service is available through the gov.uk website – www.gov.uk/planning-inspectorate. The Inspectorate will publish details of your appeal on the internet. Alternatively If you are unable to access the online appeal form, please contact the Planning Inspectorate to obtain a paper copy of the appeal form on tel: 0303 444 5000.

The Secretary of State has power to allow a longer period for the giving of a notice of appeal but they will not normally be prepared to exercise this power unless there are special circumstances that excuse the delay in giving notice of appeal.

If you intend to submit an appeal that you would like examined by inquiry then you must notify the City Council (planning@manchester.gov.uk) and the Planning Inspectorate (inquiryappeals@planninginspectorate.gov.uk) at least 10 days before submitting the appeal. Further details are on GOV.UK.

3. The statutory requirements are those set out in Section 79(6) of the Town and Country Planning Act 1990, namely Sections 70(1) and 72(1) of the Act.

4. If either the local planning authority of the Secretary of State refuses permission to develop land or grants it subject to conditions, the owner may claim that they can neither put the land to a reasonably beneficial use in its existing state nor render the land capable of a reasonably beneficial use by the carrying out of any development which has been or would be permitted.

In these circumstances, the owner may serve a purchase notice on the Council in whose area the land is situated. This notice will require the Council to purchase his interest in the land in accordance with the provisions of Part VI of the Town and Country Planning Act 1990

5. In certain circumstances, a claim may be made against the local planning authority for compensation, where permission is refused or granted subject to conditions by the Secretary of State on appeal or on a reference of the application to them. The circumstances in which such compensation is payable are set out in Section 114 of the Town and Country Planning Act 1990.

Right of challenge on planning application decision

A third party does not have a right of appeal against a decision on a planning application. Instead there is a right of challenge (a Judicial Review) which is limited to lawfulness of the procedure that we have taken in coming to that decision.

Any challenge must be based on the following and not the merit of the decision:

- Procedural irregularity
- Irrationality
- Illegality

Any application for permission to bring such a challenge (which is through the High Court) must be made within 6 weeks of the date of the decision being issued.

Appendix A

The Coal Authority

Any Planning Enquiries should be directed to:

Planning and Local Authority Liaison

Telephone: 01623 637 119
Email: planningconsultation@coal.gov.uk
Website: www.gov.uk/government/organisations/the-coal-authority

STANDING ADVICE - DEVELOPMENT LOW RISK AREA

The proposed development lies within a coal mining area which may contain unrecorded coal mining related hazards. If any coal mining feature is encountered during development, this should be reported immediately to the Coal Authority on 0345 762 6848.

Further information is also available on the Coal Authority website at:
www.gov.uk/government/organisations/the-coal-authority

This Standing Advice is valid from 1st January 2021 until 31st December 2022

COMPLEX CHALLENGES ...
MADE SIMPLE

APPENDIX B – FINAL CONSTRUCTION ISSUE DRAWING

DGA01
DGA02
DGA03 — PODIUM BC TOWERS B&C

DGA04
DGA05 — PODIUM A TOWER A

FOR COORDINATES TO FW & SW POP UPS REFER TO HBA DRAWINGS

GULLY & SLOT DRAIN TO CONNECT TO PERFORATED PIPE WITHIN OPEN GRADED SUB-BASE LAYER (350mm) BENEATH PLANTER

ACCESS RAMP TO DRAIN TO DRAINAGE CHANNEL

MH F1.22 FITTED WITH IN-LINE NON-RETURN VALVE ON OUTLET PIPE

CONTRACTOR PROPOSAL: POLYSTORM GEOCELLULAR ATTENUATION TANK. PLAN AREA 92m2, VOL$_{MAX}$: 110.4m3, STORAGE 104.88m3 IL: 28.00m, 1.2m DP, 1.5 LAYERS, WELDED GEOMEMBRANE. TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS INCLUDING VENT PIPE AND TOP OF VENT PIPE TO PROJECT ABOVE FLOOD LEVELS (APPROX 700mm ABOVE CAR PARK SLAB LEVEL.

DASHED L… ABOVE. A… PERMEAB…

- SITE BOUNDARY
- EXISTING COMBINED SEWER
- SEWER TO BE ABANDONED
- DIVERTED COMBINED SEWER
- EXTENT OF PODIUM ABOVE
- ABOVE GROUND POTABLE WATER STORAGE TANKS. REFER TO M&E INFORMATION
- EXTENT OF TOWER CRANE BASE
- RAIN GARDEN
- PERMEABLE PAVEMENT
- ATTENUATION TANK
- SURFACE WATER DRAIN
- SURFACE WATER MANHOLE/ INSPECTION CHAMBER
- RWP — RAINWATER PIPE & 150Ø CONNECTION
- RG — ROAD GULLY & 150Ø CONNECTION
- YG — YARD GULLY & 110Ø CONNECTION
- SU — AU — ACO 150D 10.0 BRICKSLOT TWINSLOT WITH SUMP UNIT (SU) & ACCESS UNIT (AU)
- SU — ACO HEXDRAIN BRICKSLOT WITH SUMP UNIT & CORNER UNIT
- 100Ø PERFORATED PIPE
- PERMAVOID DIFFUSER UNIT & 150Ø CONNECTION
- FOUL WATER DRAIN
- FOUL WATER MANHOLE/ INSPECTION CHAMBER
- FOUL WATER CONNECTION 150Ø
- FG — FLOOR GULLEY
- * DENOTES CHAMBER TO BE FITTED WITH EJCO (PETER SAVAGE) PRESSURE RATED PS754 COVER & FRAME CAST INTO SLAB. REFER TO TYPICAL DETAIL

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7. CONNECTIONS TO EXISTING PUBLIC SEWERS IN ACCORDANCE WITH UNITED UTILITIES REQUIREMENTS, TO BE APPROVED / AGREED WITH THE WATER AUTHORITY.
8. PROPOSED COVER LEVELS ARE APPROXIMATE AND SHALL BE CHECKED BY THE CONTRACTOR ON SITE TO SUIT THE EXACT FINISHED LEVEL AND GRADIENT.
9. ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICE AND 'SEWERS FOR ADOPTION' 7th EDITION.
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14. ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:80 MIN. FOR FOUL PIPEWORK AND 1:100 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. USE OF SHORT/ LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.
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16. ALL PRIVATE DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF UPVC TO BS EN 1401-1, UNLESS NOTED OTHERWISE.
17. CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.
18. WHERE NEW DRAINAGE IS SITUATED WITHIN 5 METRES OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.
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20. SURFACE WATER DRAINAGE DESIGN HAS BEEN DEVELOPED ON THE BASIS OF THE PREVIOUSLY AGREED DISCHARGE RATES AND POINTS OF CONNECTION BETWEEN CIVIC ENGINEERS AND MCC LLFA.
21. ATTENUATION STORAGE CALCULATIONS INCLUDE CLIMATE CHANGE ALLOWANCE OF 40% IN ACCORDANCE WITH CURRENT ENVIRONMENT AGENCY GUIDELINES.

REV.	DATE	DETAILS	DRN.	CHK.
C10	08.11.24	UPDATED TO SUIT AS BUILT RECORDS	ARJ	PAW
C9	12.09.24	CHANGES AS CLOUDED	ARJ	PAW
C8	22.09.23	LEGEND UPDATED	PAW	ARJ
C7	19.04.22	TOWER C POP UPS ADJUSTED TO SUIT AOD	PAW	ARJ
C6	21.03.22	TOWER B LVL01 DRAINAGE ADDED/UPDATED. LVL00 CL's REFINED TO SUIT SSL.	PAW	ARJ
C5	09.03.22	POP UP POSITIONS AND BGD UPDATED	PAW	ARJ
C4	11.02.22	SUB-STRUCTURE PENETRATION LEVELS ADDED	ARJ	JAS
C3	08.02.22	UPDATED TO SUIT COORDINATED DRAWINGS FROM HAWKINS BROWN DATED 31.01.2022	WDC	PAW
C2	09.12.21	UPDATED TO SUIT TOWER CRANE BASES, FLOOD COMPENSATION LEVELS AND PLANT LEVELS. SLOT DRAINS ADDED AT DOOR THRESHOLDS ALONG BROMLEY ST	ARJ	JAS
C1	02.11.21	ISSUED FOR CONSTRUCTION	ARJ	JAS

DRAWING STATUS
CONSTRUCTION

RIBA STAGE
STAGE 5

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN ARJ	DATE SEP 21	SCALES 1:100
CHECKED PAW	DATE SEP 21	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
APPRVD. JAS	DATE SEP 21	EMAIL FOR DRAWINGS info@rocconsulting.com

CLIENT
CRUK

PROJECT TITLE
VICTORIA RIVERSIDE

DRAWING TITLE
BELOW GROUND DRAINAGE GENERAL ARRANGEMENT
SHEET 1 of 5

DRAWING No.	REV.
VRS-ROC-ZZ-XX-DR-C-DGA01	C10

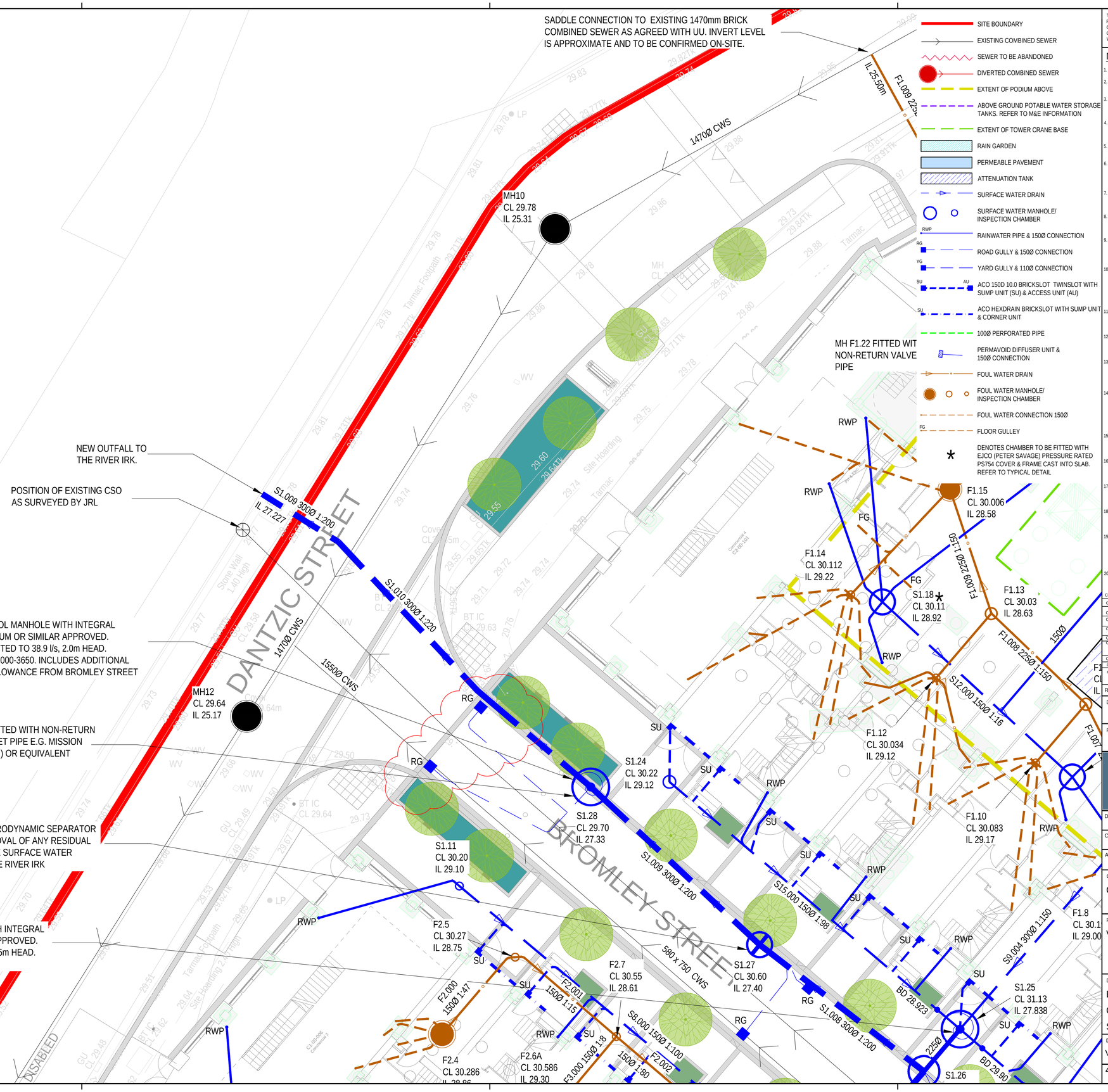
4212

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DGA01 PODIUM BC
DGA02 TOWERS B&C
DGA03

DGA04 PODIUM A
DGA05 TOWER A

FOR COORDINATES TO FW & SW POP UPS REFER TO HBA DRAWINGS



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C9	12.09.24	CHANGES AS CLOUDED	ARJ	PAW
C8	22.09.23	LEGEND UPDATED	PAW	ARJ
C7	14.06.23	UPDATED TO SUIT HBA AND BFL LAYOUTS FOR PODIUM A. S1.25 IL CORRECTED	PAW	ARJ
C6	19.04.22	UPDATED TO SUIT HBA AND BFL LAYOUTS FOR PODIUM A & MIDRISE A	PAW	ARJ
C5	08.04.22	TOWER A DRAINAGE UPDATED	PAW	ARJ
C4	21.03.22	TOWER B LVL01 DRAINAGE ADDED/UPDATED. LVL00 CL's REFINED TO SUIT SSL	PAW	ARJ
C3	09.03.22	POP UP POSITIONS AND BGD UPDATED	PAW	ARJ
C2	11.02.22	NON-RETURN VALVE SPEC ADDED	ARJ	PAW
C1	08.02.22	ISSUED FOR CONSTRUCTION REVISED SCALE FORMERLY ISSUED AS DGA01	WDC	PAW

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CONSTRUCTION

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PAW	SEP 21	
APPRVD.	DATE	EMAIL FOR DRAWINGS
JAS	SEP 21	info@rocconsulting.com

CLIENT
CRUK

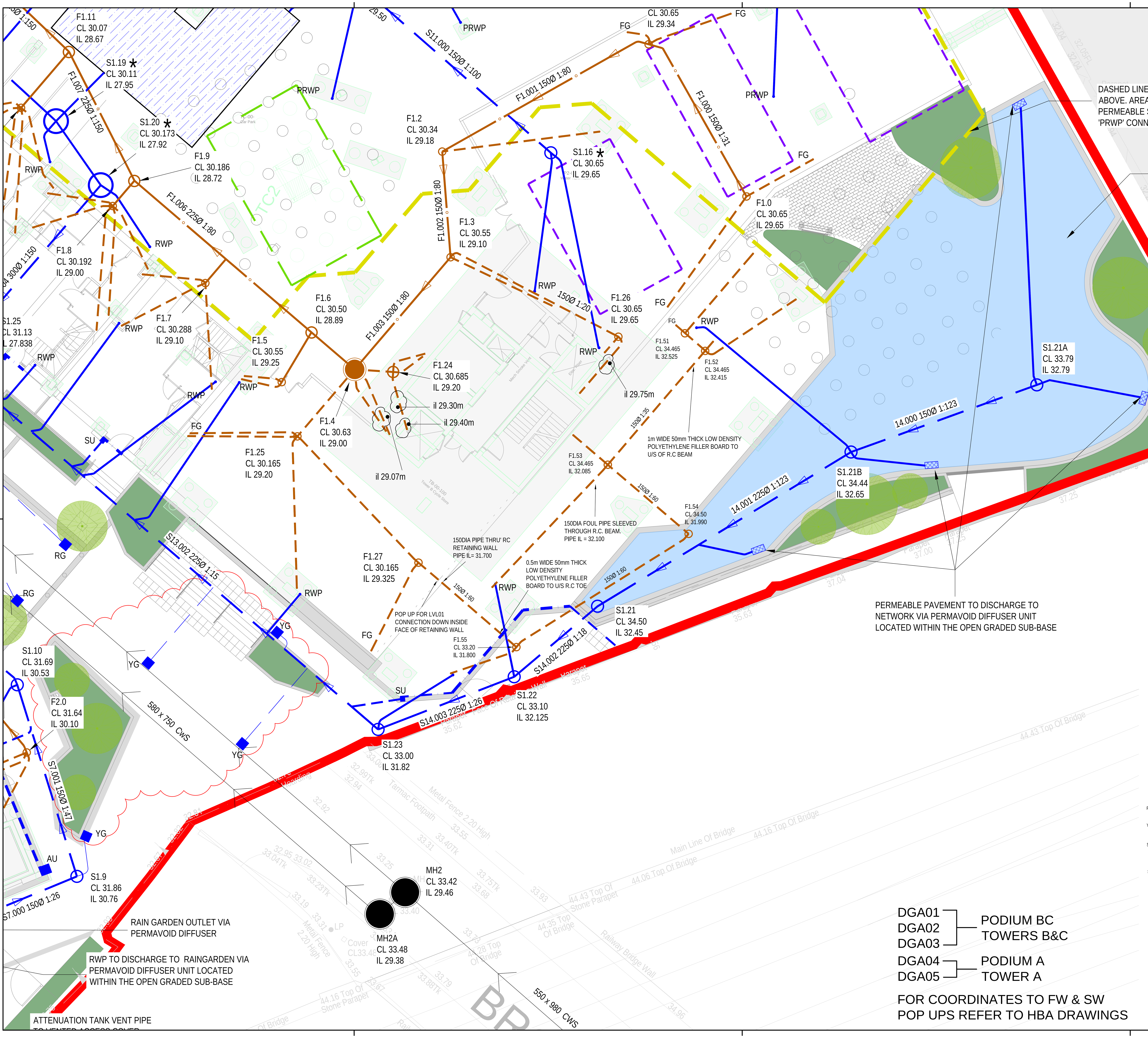
PROJECT TITLE
VICTORIA RIVERSIDE

DRAWING TITLE
BELOW GROUND DRAINAGE GENERAL ARRANGEMENT SHEET 2 of 5

DRAWING No.	REV.
VRS-ROC-ZZ-XX-DR-C-DGA02	C10

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DGA01, DGA02, DGA03 — PODIUM BC TOWERS B&C

DGA04, DGA05 — PODIUM A TOWER A

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Legend	
	SITE BOUNDARY
	EXISTING COMBINED SEWER
	SEWER TO BE ABANDONED
	DIVERTED COMBINED SEWER
	EXTENT OF PODIUM ABOVE
	ABOVE GROUND POTABLE WATER STORAGE TANKS. REFER TO M&E INFORMATION
	EXTENT OF TOWER CRANE BASE
	RAIN GARDEN
	PERMEABLE PAVEMENT
	ATTENUATION TANK
	SURFACE WATER DRAIN
	SURFACE WATER MANHOLE/ INSPECTION CHAMBER
RWP	RAINWATER PIPE & 150Ø CONNECTION
RG	ROAD GULLY & 150Ø CONNECTION
YG	YARD GULLY & 110Ø CONNECTION
SU / AU	ACO 150D 10.0 BRICKSLOT TWINSLOT WITH SUMP UNIT (SU) & ACCESS UNIT (AU)
SU	ACO HEXDRAIN BRICKSLOT WITH SUMP UNIT & CORNER UNIT
	100Ø PERFORATED PIPE
	PERMAVOID DIFFUSER UNIT & 150Ø CONNECTION
	FOUL WATER DRAIN
	FOUL WATER MANHOLE/ INSPECTION CHAMBER
	FOUL WATER CONNECTION 150Ø
FG	FLOOR GULLEY
*	DENOTES CHAMBER TO BE FITTED WITH EJCO (PETER SAVAGE) PRESSURE RATED PS754 COVER & FRAME CAST INTO SLAB. REFER TO TYPICAL DETAIL

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C8	22.09.23	LEGEND & SW DRAINAGE (CLOUDED) UPDATED	PAW	ARJ
C7	19.04.22	UPDATED TO SUIT HBA AND BFL LAYOUTS FOR PODIUM A & MIDRISE A	PAW	ARJ
C6	08.04.22	TOWER A DRAINAGE UPDATED	PAW	ARJ
C5	01.04.22	TOWER B LVL01 FOUL DRAINAGE UPDATED TO SUIT SLAB DESIGN	PAW	ARJ
C4	21.03.22	TOWER B LVL01 DRAINAGE ADDED/UPDATED. LVL00 CL's REFINED TO SUIT SSL	PAW	ARJ
C3	09.03.22	POP UP POSITIONS AND BGD UPDATED	PAW	ARJ
C2	11.02.22	SUB-STRUCTURE PENETRATION LEVELS ADDED	ARJ	JAS
C1	08.02.22	ISSUED FOR CONSTRUCTION REVISED SCALE FORMERLY ISSUED AS DGA01	WDC	PAW

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CONSTRUCTION

RIBA STAGE
STAGE 5

Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN	DATE	SCALES
ARJ	SEP 21	1:100
CHECKED PAW	DATE SEP 21	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
APPRVD. JAS	DATE SEP 21	EMAIL FOR DRAWINGS info@rocconsulting.com

CLIENT
CRUK

PROJECT TITLE
VICTORIA RIVERSIDE

DRAWING TITLE
BELOW GROUND DRAINAGE
GENERAL ARRANGEMENT
SHEET 3 of 5

DRAWING No. VRS-ROC-ZZ-XX-DR-C-DGA03
REV. C10

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(S1.12) FLOW CONTROL MANHOLE WITH INTEGRAL HYDROBRAKE OPTIMUM OR SIMILAR APPROVED. DISCHARGE RESTRICTED TO 12.5 l/s, 2.0m HEAD. REF: SHE-0146-1250-2000-1250

CONTRACTOR PROPOSAL: POLYSTORM GEOCELLULAR ATTENUATION TANK. PLAN AREA 74.5m2, VOL_{MAX}: 119.2m3, STORAGE 113.24m3, IL: 28.00m, 1.6m DP, 2.0 LAYERS, WELDED GEOMEMBRANE. TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS

DASHED LINE DENOTES EXTENT OF PODIUM ABOVE. AREA TO BE DRAINED THROUGH PERMEABLE SURFACING BUILD-UP VIA 'PRWP' CONNECTIONS SHOWN. DETAILS AND LOCATION OF PROPOSED OUTFALLS SUBJECT TO FURTHER DESIGN DEVELOPMENT

CWMH1 ADJUSTED TO AVOID CLASH WITH SUB-STRUCTURE AS AGREED WITH UU. COVER LEVEL TO BE SET TO SUIT PLANIT FINISHED SURFACE LEVELS

RAIN GARDEN OUTLET VIA PERMAVOID DIFFUSER

RWP TO DISCHARGE TO RAINGARDEN VIA PERMAVOID DIFFUSER UNIT LOCATED WITHIN THE OPEN GRADED SUB-BASE

ATTENUATION TANK VENT PIPE TO VENTED ACCESS COVER

- SITE BOUNDARY
- EXISTING COMBINED SEWER
- SEWER TO BE ABANDONED
- DIVERTED COMBINED SEWER
- EXTENT OF PODIUM ABOVE
- ABOVE GROUND POTABLE WATER STOR TANKS. REFER TO M&E INFORMATION
- EXTENT OF TOWER CRANE BASE
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- SURFACE WATER DRAIN
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5. ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.
6. CLASS Z CONCRETE SURROUND TO BE PROVIDED FOR PIPES WITH COVER LESS THAN 1.2m ABOVE THE CROWN OF THE PIPE FOR ROADS AND 0.6m FOR SOFT AND PEDESTRIAN AREAS ONLY AND UNDER ALL FOUNDATIONS AND WHERE PIPES LAID WITHIN 1m OF FOUNDATIONS.
7. CONNECTIONS TO EXISTING PUBLIC SEWERS IN ACCORDANCE WITH UNITED UTILITIES REQUIREMENTS, TO BE APPROVED / AGREED WITH THE WATER AUTHORITY.
8. PROPOSED COVER LEVELS ARE APPROXIMATE AND SHALL BE CHECKED BY THE CONTRACTOR ON SITE TO SUIT THE EXACT FINISHED LEVEL AND GRADIENT.
9. ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICE AND 'SEWERS FOR ADOPTION' 7th EDITION.
10. ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO BS EN 124 AND KITEMARKED OR IF RECESSED COVERS ARE SPECIFIED THEN IN ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT. ALLOW FOR RECESS MANHOLE COVERS TO ACCEPT LANDSCAPE ARCHITECT FINISHES TO ALL NON-ASPHALT EXTERNAL AREAS.
11. THE PROPOSED BUILDING LAYOUTS SHOWN ON THIS DRAWING ARE FOR INFORMATION ONLY. REFER TO ARCHITECTS PLANS FOR PRECISE LOCATION SETTING OUT INFORMATION AND DETAILS
12. FOR SETTING OUT DIMENSIONS OF SS'S, SVP'S, RWP'S, FLOOR GULLY'S & OTHER DRAINAGE 'POP UP' LOCATIONS, REFER TO ARCHITECTS OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS.
13. ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100mm DIAMETER FOR FOUL AND 150mm FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL DRAINAGE PIPEWORK SHALL BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE STATED.
14. ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:80 MIN. FOR FOUL PIPEWORK AND 1:100 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. USE OF SHORT LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.
15. AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FOUL RUN SHALL BE VENTED TO THE ATMOSPHERE. ALL RAINWATER PIPES SHALL HAVE ABOVE GROUND RODDING ACCESS.
16. ALL PRIVATE DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF UPVC TO BS EN 1401-1, UNLESS NOTED OTHERWISE.
17. CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.
18. WHERE NEW DRAINAGE IS SITUATED WITHIN 5 METRES OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.
19. ALL NEW DRAINAGE INSTALLATIONS TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE JETTED AND CCTV SURVEYED UPON COMPLETION. CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL, FREE OF EXCESS DEBRIS/SILT AND ALL IDENTIFIED FAULTS RECTIFIED.
20. SURFACE WATER DRAINAGE DESIGN HAS BEEN DEVELOPED ON THE BASIS OF THE PREVIOUSLY AGREED DISCHARGE RATES AND POINTS OF CONNECTION BETWEEN CIVIC ENGINEERS AND MCC LLFA.

REV.	DATE	DETAILS	DRN.	CHK.
C6	08.11.24	UPDATED TO SUIT AS BUILT RECORDS	ARJ	PAW
C5	12.09.24	CHANGES AS CLOUDED	ARJ	PAW
C4	22.09.23	LEGEND & SW DRAINAGE (CLOUDED) UPDATED	PAW	ARJ
C3	15.06.22	UPDATED TO SUIT HBA AND BFL LAYOUTS FOR PODIUM A, S1.25 IL CORRECTED	PAW	ARJ
C2	19.04.22	UPDATED TO SUIT HBA AND BFL LAYOUTS FOR PODIUM A & MIDRISE A	PAW	ARJ
C1	08.04.22	ISSUED FOR CONSTRUCTION	PAW	JAS

DRAWING STATUS
CONSTRUCTION

RIBA STAGE
STAGE 5

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN	DATE	SCALES
PAW	APR 22	1:100
CHECKED	DATE	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE. --DO NOT SCALE--
ARJ	APR 22	
APPRVD.	DATE	EMAIL FOR DRAWINGS
JAS	APR 22	info@rocconsulting.com

CLIENT
CRUK

PROJECT TITLE
VICTORIA RIVERSIDE

DRAWING TITLE
BELOW GROUND DRAINAGE GENERAL ARRANGEMENT SHEET 4 of 5

DRAWING No.	REV.
VRS-ROC-ZZ-XX-DR-C-DGA04	C6

4212

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DGA01
DGA02
DGA03
— PODIUM BC TOWERS B&C

DGA04
DGA05
— PODIUM A TOWER A

FOR COORDINATES TO FW & SW POP UPS REFER TO HBA DRAWINGS

PRE-FABRICATED POLYPIPE RIDGISTORM CONTROL CHAMBER (OR SIMILAR APPROVED) WITH INTEGRATED PENSTOCK VALVE. TO BE CLOSED MANUALLY WHEN FLOOD WARNING RECEIVED TO PREVENT ANY FLOOD WATER ENTERING THE BELOW DRAINAGE SYSTEM

NEW CONNECTION INTO EXISTING COMBINED SEWER MANHOLE. INVERT LEVEL IS APPROXIMATE AND TO BE CONFIRMED ON-SITE. ALL SUBJECT TO S106 APPLICATION TO UNITED UTILITIES

MH F2.20 FITTED WITH IN-LINE NON-RETURN VALVE ON OUTLET PIPE

MANHOLE TO BE ADJUSTED TO SUIT NEW COVER LEVEL OF 30.65m (APPROX).

MANHOLE TO BE ADJUSTED TO SUIT NEW COVER LEVEL OF 30.85m (APPROX).

'AS BUILT' ALIGNMENT OF DIVERTED COMBINED SEWER

MH9
CL 29.77
IL 26.39

MH8
CL 31.17
IL 26.66

S1.0
CL 29.95
IL 28.940

S1.0A
CL 29.92
IL 28.870

S1.1
CL 31.23
IL 30.26

S1.2
CL 30.60
IL 29.20

S1.2A
CL 30.75
IL 29.090

S1.3
CL 30.11
IL 28.77

F2.10
CL 29.99
IL 28.40

F2.12
CL 29.99
IL 28.10

F2.13
CL 29.99
IL 27.90

F2.14
CL 29.58
IL 28.55

F2.14A
CL 29.58
IL 28.475

F2.15
CL 29.99
IL 27.960

F2.16
CL 30.83
IL 27.83

F2.16B
CL 30.83
IL 29.33

F2.17
CL 30.83
IL 27.75

F2.17A
CL 30.83
IL 29.33

F2.18
CL 29.89
IL 28.64

F2.18A
CL 29.89
IL 28.59

F2.18B
CL 29.89
IL 28.50

F2.19
CL 29.89
IL 28.45

F2.20
CL 30.25
IL 27.50

F2.20A
CL 30.15
IL 27.65

CWMH3
CL 30.05
IL26.80

CWMH2
CL 30.26
IL 26.83

F1.010 225Ø 1:24
F1.009 225Ø 1:150
F1.009 225Ø 1:150
F1.008 225Ø 1:150
F1.007 225Ø 1:150
F7.000 150Ø 1:80
F7.001 150Ø 1:19
S1.000 300Ø 1:60
S1.001 300Ø 1:172
2.002 150Ø 1:60
S2.001 150Ø 1:61
S2.000 150Ø 1:18
F5.000 150Ø 1:80
1.000 150Ø 1:10
750Ø 1:89
300Ø 1:76

880Ø CWS
750Ø CWS
150Ø CWS

SITE BOUNDARY
EXISTING COMBINED SEWER
SEWER TO BE ABANDONED
DIVERTED COMBINED SEWER
EXTENT OF PODIUM ABOVE
ABOVE GROUND POTABLE WATER STOR TANKS. REFER TO M&E INFORMATION
EXTENT OF TOWER CRANE BASE
RAIN GARDEN
PERMEABLE PAVEMENT
ATTENUATION TANK
SURFACE WATER DRAIN
SURFACE WATER MANHOLE/ INSPECTION CHAMBER
RWP RAINWATER PIPE & 150Ø CONNECTION
RG ROAD GULLY & 150Ø CONNECTION
YG YARD GULLY & 110Ø CONNECTION
SU AU ACO 150D 10.0 BRICKSLOT TWINSLOT W SUMP UNIT (SU) & ACCESS UNIT (AU)
SU ACO HEXDRAIN BRICKSLOT WITH SUMP & CORNER UNIT
100Ø PERFORATED PIPE
PERMAVOID DIFFUSER UNIT & 150Ø CONNECTION
FOUL WATER DRAIN
FOUL WATER MANHOLE/ INSPECTION CHAMBER

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20. SURFACE WATER DRAINAGE DESIGN HAS BEEN DEVELOPED ON THE BASIS OF THE PREVIOUSLY AGREED DISCHARGE RATES AND POINTS OF CONNECTION BETWEEN CIVIC ENGINEERS AND MCC LLFA.
21. ATTENUATION STORAGE CALCULATIONS INCLUDE CLIMATE CHANGE ALLOWANCE OF 40% IN ACCORDANCE WITH CURRENT ENVIRONMENT AGENCY GUIDELINES.

REV.	DATE	DETAILS	DRN.	CHK.
C5	08.11.24	UPDATED TO SUIT AS BUILT RECORDS	ARJ	PAW
C4	12.09.24	CHANGES AS CLOUDED	ARJ	PAW
C3	22.09.23	LEGEND & SW DRAINAGE (CLOUDED) UPDATED	PAW	ARJ
C2	19.04.22	UPDATED TO SUIT HBA AND BFL LAYOUTS FOR PODIUM A & MIDRISE A	PAW	ARJ
C1	08.04.22	ISSUED FOR CONSTRUCTION	PAW	JAS

DRAWING STATUS
CONSTRUCTION

RIBA STAGE
STAGE 5

RoC CONSULTING
Commercial Wharf
6 Commercial Street
Manchester M15 4PZ
T 0161 214 5390
W rocconsulting.com

DRAWN PAW	DATE APR 22	SCALES 1:100
CHECKED ARJ	DATE APR 22	THE ABOVE SCALES APPLY WHEN PLOTTED AT A1 SIZE --DO NOT SCALE--
APPRVD. JAS	DATE APR 22	EMAIL FOR DRAWINGS info@rocconsulting.com

CLIENT
CRUK

PROJECT TITLE
VICTORIA RIVERSIDE

DRAWING TITLE
BELOW GROUND DRAINAGE GENERAL ARRANGEMENT SHEET 5 of 5

DRAWING No. VRS-ROC-ZZ-XX-DR-C-DGA05
REV. C5

4212

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APPENDIX C – AS BUILT SITE RECORD

Notes:

1. DO NOT SCALE FROM THIS DRAWING, WORK ONLY TO DIMENSIONS SHOWN.
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

Rev	By	Chkd	Apprvd	Date	Description
AB00	AS	AS	SG	13.10.2023	AS-BUILT ISSUED FOR INFORMATION

Client

CR Construction (U.K.) Company Limited
華營建築(英國)有限公司
浙建集團

JRL Group
Suite 3, 14-32 Hewitt Street,
Deansgate, Manchester,
M15 4GB
TEL: 0161 236 5705
https://www.jrlgroup.co.uk/

JRL GROUP

Project

VICTORIA
RIVERSIDE

Drawing

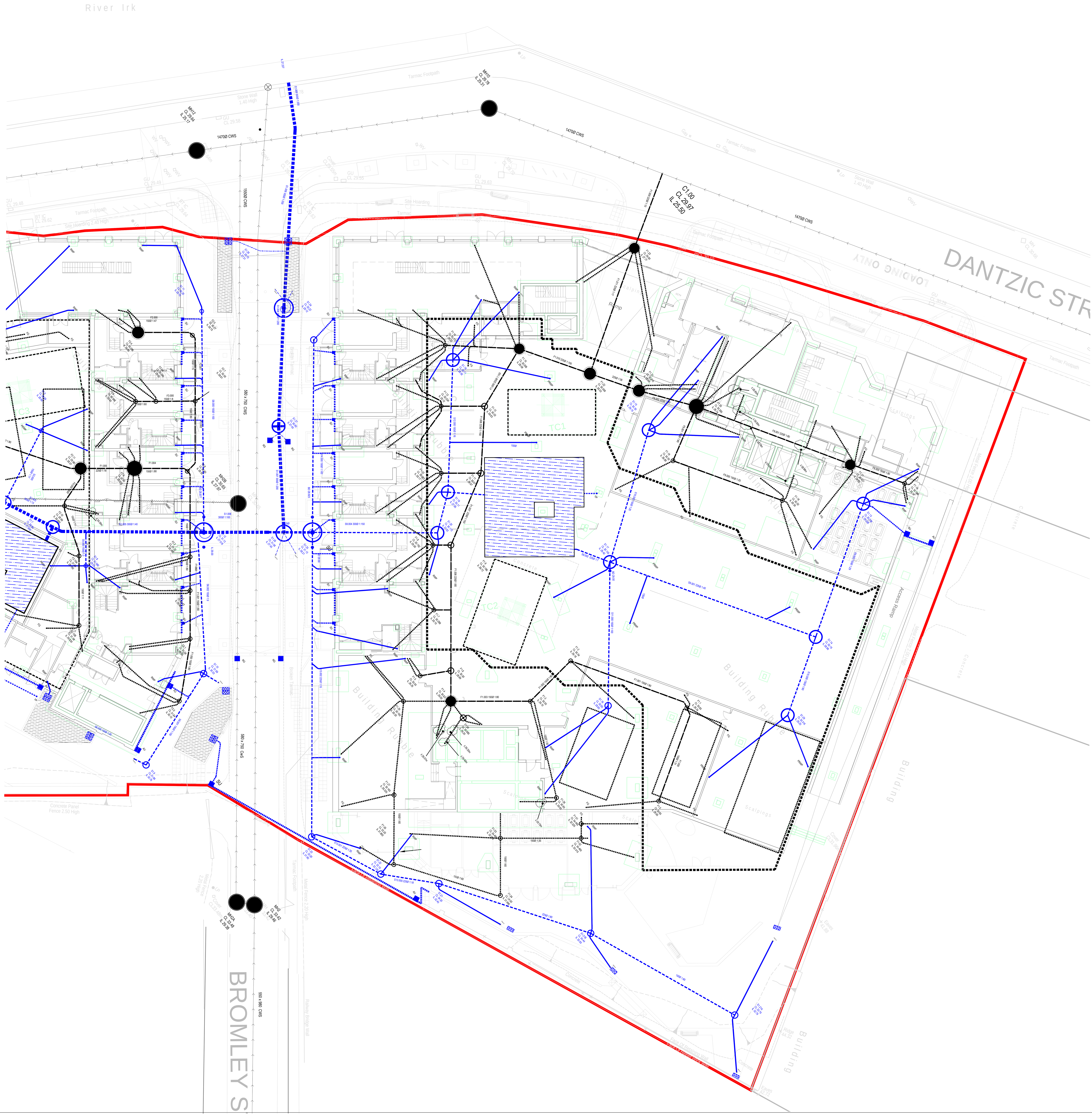
PODIUM A BASEMENT DRAINAGE

Suitability: FOR INFORMATION

Drawn by:	AS	Date:	13.10.23
Checked by:	AS	Date:	13.10.23
Approved by:	SG	Date:	13.10.23
Drawing Scale:	1NTS		

Drawing No. JRL-AB-VRS-PA-LB1-DRAINAGE-001

Revision AB00



Notes:

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Rev	By	Chkd	Apprvd	Date	Description
AB00	AS	AS	SG	13.10.2023	AS-BUILT ISSUED FOR INFORMATION

Client

CR Construction (U.K.) Company Limited
華營建築(英國)有限公司
浙建集團

JRL Group
Suite 3, 14-32 Hewitt Street,
Deansgate, Manchester,
M15 4GB
TEL: 0161 236 5705
https://www.jrlgroup.co.uk/

JRL GROUP

Project

VICTORIA RIVERSIDE

Drawing

PODIUM B BASEMENT DRAINAGE

Suitability: FOR INFORMATION

Drawn by:	AS	Date:	13.10.23
Checked by:	AS	Date:	13.10.23
Approved by:	SG	Date:	13.10.23
Drawing Scale:	1NTS		

Drawing No. JRL-AB-VRS-PB-LB1-DRAIANGE-001

Revision AB00

APPENDIX D – MICRODRAINAGE CALCS

STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for SW Net01

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S1.000	3.977	0.070	56.8	0.033	4.00	0.0	0.600	o	300	Pipe/Conduit	
S1.001	7.123	0.093	76.6	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S2.000	19.386	1.060	18.3	0.036	4.00	0.0	0.600	o	150	Pipe/Conduit	
S2.001	6.711	0.110	61.0	0.000	0.00	0.0	0.600	o	150	Pipe/Conduit	
S2.002	9.810	0.164	59.8	0.000	0.00	0.0	0.600	o	150	Pipe/Conduit	
S1.002	37.339	0.217	172.1	0.035	0.00	0.0	0.600	o	300	Pipe/Conduit	
S3.000	4.251	0.200	21.3	0.028	4.00	0.0	0.600	o	300	Pipe/Conduit	
S1.003	13.582	0.076	178.7	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S4.000	8.100	0.262	30.9	0.029	4.00	0.0	0.600	o	150	Pipe/Conduit	
S1.004	5.447	0.424	12.8	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S5.000	4.697	0.100	47.0	0.022	4.00	0.0	0.600	o	300	Pipe/Conduit	
S1.005	3.454	0.074	46.7	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S1.000	64.81	4.03	28.940	0.033	0.0	0.0	0.0	2.09	147.7	5.8
S1.001	64.42	4.10	28.870	0.033	0.0	0.0	0.0	1.80	127.1	5.8
S2.000	64.20	4.14	30.260	0.036	0.0	0.0	0.0	2.37	41.8	6.3
S2.001	63.70	4.22	29.200	0.036	0.0	0.0	0.0	1.29	22.8	6.3
S2.002	63.00	4.35	29.090	0.036	0.0	0.0	0.0	1.30	23.0	6.3
S1.002	60.28	4.87	28.776	0.104	0.0	0.0	0.0	1.20	84.5	17.0
S3.000	64.87	4.02	28.600	0.028	0.0	0.0	0.0	3.43	242.1	4.9
S1.003	59.33	5.06	28.400	0.132	0.0	0.0	0.0	1.17	82.9	21.2
S4.000	64.56	4.07	28.900	0.029	0.0	0.0	0.0	1.82	32.1	5.1
S1.004	59.24	5.08	28.324	0.161	0.0	0.0	0.0	4.41	311.7	25.8
S5.000	64.79	4.03	28.000	0.022	0.0	0.0	0.0	2.30	162.6	3.9
S1.005	59.12	5.11	27.900	0.183	0.0	0.0	0.0	2.31	163.1	29.3

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STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for SW Net01

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S6.000	3.353	1.554	2.2	0.029	4.00	0.0	0.600	o	150	Pipe/Conduit	
S1.006	11.788	0.308	38.3	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S7.000	6.372	0.240	26.6	0.016	8.00	0.0	0.600	o	150	Pipe/Conduit	
S7.001	10.869	0.230	47.3	0.006	0.00	0.0	0.600	o	150	Pipe/Conduit	
S7.002	14.212	1.530	9.3	0.014	0.00	0.0	0.600	o	150	Pipe/Conduit	
S8.000	22.253	0.223	99.8	0.028	4.00	0.0	0.600	o	150	Pipe/Conduit	
S1.007	8.061	0.066	122.1	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	
S9.000	14.236	0.479	29.7	0.042	4.00	0.0	0.600	o	150	Pipe/Conduit	
S10.000	8.367	0.143	58.5	0.032	4.00	0.0	0.600	o	150	Pipe/Conduit	
S9.001	22.027	0.582	37.8	0.032	0.00	0.0	0.600	o	225	Pipe/Conduit	
S11.000	13.843	0.675	20.5	0.030	4.00	0.0	0.600	o	150	Pipe/Conduit	
S12.000	14.449	0.150	96.3	0.020	4.00	0.0	0.600	o	150	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S6.000	64.95	4.01	29.530	0.029	0.0	0.0	0.0	6.91	122.2	5.1
S1.006	58.75	5.18	27.826	0.212	0.0	0.0	0.0	2.55	180.2	33.7
S7.000	48.17	8.05	31.000	0.016	0.0	0.0	0.0	1.96	34.7	2.1
S7.001	47.81	8.18	30.760	0.022	0.0	0.0	0.0	1.47	25.9	2.8
S7.002	47.61	8.25	30.530	0.036	0.0	0.0	0.0	3.33	58.8	4.6
S8.000	62.89	4.37	29.100	0.028	0.0	0.0	0.0	1.01	17.8	4.8
S1.007	64.44	4.09	27.518	0.000	12.5	0.0	0.0	1.42	100.5	12.5
S9.000	64.24	4.13	29.536	0.042	0.0	0.0	0.0	1.85	32.8	7.3
S10.000	64.37	4.11	29.200	0.032	0.0	0.0	0.0	1.32	23.3	5.6
S9.001	63.27	4.30	28.982	0.106	0.0	0.0	0.0	2.13	84.8	18.2
S11.000	64.39	4.10	29.150	0.030	0.0	0.0	0.0	2.23	39.5	5.2
S12.000	63.63	4.24	29.650	0.020	0.0	0.0	0.0	1.02	18.1	3.4

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STORM SEWER DESIGN by the Modified Rational Method

Network Design Table for SW Net01

PN	Length (m)	Fall (m)	Slope (1:X)	I.Area (ha)	T.E. (mins)	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
S9.002	17.757	0.375	47.4	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S13.000	13.306	0.820	16.2	0.062	4.00	0.0	0.600	o	150	Pipe/Conduit	
S9.003	4.231	0.028	151.1	0.010	0.00	0.0	0.600	o	300	Pipe/Conduit	
S9.004	12.574	0.084	150.0	0.010	0.00	0.0	0.600	o	300	Pipe/Conduit	
S14.000	16.666	0.135	123.5	0.016	4.00	0.0	0.600	o	150	Pipe/Conduit	
S14.001	16.075	0.130	123.7	0.026	0.00	0.0	0.600	o	225	Pipe/Conduit	
S14.002	5.918	0.325	18.2	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S14.003	7.905	0.300	26.4	0.010	0.00	0.0	0.600	o	225	Pipe/Conduit	
S14.004	30.635	1.925	15.9	0.066	0.00	0.0	0.600	o	225	Pipe/Conduit	
S15.000	19.372	0.197	98.3	0.030	4.00	0.0	0.600	o	150	Pipe/Conduit	
S9.005	2.867	0.044	65.2	0.000	0.00	0.0	0.600	o	225	Pipe/Conduit	
S1.008	10.695	0.053	200.0	0.032	0.00	0.0	0.600	o	300	Pipe/Conduit	
S1.009	11.909	0.060	200.0	0.033	0.00	0.0	0.600	o	300	Pipe/Conduit	
S1.010	24.729	0.112	220.8	0.000	0.00	0.0	0.600	o	300	Pipe/Conduit	

Network Results Table

PN	Rain (mm/hr)	T.C. (mins)	US/IL (m)	Σ I.Area (ha)	Σ Base Flow (l/s)	Foul (l/s)	Add Flow (l/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
S9.002	62.42	4.46	28.400	0.156	0.0	0.0	0.0	1.91	75.8	26.4
S13.000	64.48	4.09	28.920	0.062	0.0	0.0	0.0	2.51	44.4	10.8
S9.003	62.12	4.51	27.950	0.228	0.0	0.0	0.0	1.28	90.2	38.4
S9.004	61.26	4.67	27.922	0.238	0.0	0.0	0.0	1.28	90.6	39.5
S14.000	63.23	4.31	32.790	0.016	0.0	0.0	0.0	0.90	16.0	2.7
S14.001	61.99	4.54	32.580	0.042	0.0	0.0	0.0	1.17	46.7	7.1
S14.002	61.82	4.57	32.450	0.042	0.0	0.0	0.0	3.08	122.5	7.1
S14.003	61.55	4.62	32.125	0.052	0.0	0.0	0.0	2.56	101.8	8.7
S14.004	60.75	4.77	31.825	0.118	0.0	0.0	0.0	3.30	131.1	19.4
S15.000	63.17	4.32	29.120	0.030	0.0	0.0	0.0	1.01	17.9	5.1
S9.005	64.82	4.03	27.838	0.000	24.0	0.0	0.0	1.62	64.5	24.0
S1.008	63.52	4.26	27.452	0.032	36.5	0.0	0.0	1.11	78.3	42.0
S1.009	63.95	4.18	27.399	0.000	36.5	0.0	0.0	1.11	78.3	36.5
S1.010	61.81	4.57	27.339	0.000	36.5	0.0	0.0	1.05	74.5	36.5

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Area Summary for SW Net01

Pipe Number	PIMP Type	PIMP Name	PIMP (%)	Gross Area (ha)	Imp. Area (ha)	Pipe Total (ha)
1.000	-	-	100	0.033	0.033	0.033
1.001	-	-	100	0.000	0.000	0.000
2.000	-	-	100	0.036	0.036	0.036
2.001	-	-	100	0.000	0.000	0.000
2.002	-	-	100	0.000	0.000	0.000
1.002	-	-	100	0.035	0.035	0.035
3.000	-	-	100	0.028	0.028	0.028
1.003	-	-	100	0.000	0.000	0.000
4.000	-	-	100	0.029	0.029	0.029
1.004	-	-	100	0.000	0.000	0.000
5.000	-	-	100	0.022	0.022	0.022
1.005	-	-	100	0.000	0.000	0.000
6.000	-	-	100	0.029	0.029	0.029
1.006	-	-	100	0.000	0.000	0.000
7.000	-	-	100	0.016	0.016	0.016
7.001	-	-	100	0.006	0.006	0.006
7.002	-	-	100	0.014	0.014	0.014
8.000	-	-	100	0.028	0.028	0.028
1.007	-	-	100	0.000	0.000	0.000
9.000	-	-	100	0.042	0.042	0.042
10.000	-	-	100	0.032	0.032	0.032
9.001	-	-	100	0.032	0.032	0.032
11.000	-	-	100	0.030	0.030	0.030
12.000	-	-	100	0.020	0.020	0.020
9.002	-	-	100	0.000	0.000	0.000
13.000	-	-	100	0.062	0.062	0.062
9.003	-	-	100	0.010	0.010	0.010
9.004	-	-	100	0.010	0.010	0.010
14.000	-	-	100	0.016	0.016	0.016
14.001	-	-	100	0.026	0.026	0.026
14.002	-	-	100	0.000	0.000	0.000
14.003	-	-	100	0.010	0.010	0.010
14.004	-	-	100	0.066	0.066	0.066
15.000	-	-	100	0.030	0.030	0.030
9.005	-	-	100	0.000	0.000	0.000
1.008	-	-	100	0.032	0.032	0.032
1.009	-	-	100	0.033	0.033	0.033
1.010	-	-	100	0.000	0.000	0.000
				Total	Total	Total
				0.727	0.727	0.727

Free Flowing Outfall Details for SW Net01

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
S1.010	S	31.170	27.227	0.000	0	0

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Simulation Criteria for SW Net01

Volumetric Runoff Coeff	0.750	Additional Flow - % of Total Flow	0.000
Areal Reduction Factor	1.000	MADD Factor * 10m³/ha Storage	0.000
Hot Start (mins)	0	Inlet Coeffiecient	0.800
Hot Start Level (mm)	0	Flow per Person per Day (l/per/day)	0.000
Manhole Headloss Coeff (Global)	0.500	Run Time (mins)	60
Foul Sewage per hectare (l/s)	0.000	Output Interval (mins)	1

Number of Input Hydrographs	0	Number of Storage Structures	2
Number of Online Controls	4	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model	FSR	Profile Type	Summer
Return Period (years)	2	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	18.000	Storm Duration (mins)	30
Ratio R	0.357		

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Online Controls for SW Net01

Hydro-Brake® Optimum Manhole: S1.12, DS/PN: S1.007, Volume (m³): 10.6

Unit Reference	MD-SHE-0146-1250-2000-1250
Design Head (m)	2.000
Design Flow (l/s)	12.5
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	146
Invert Level (m)	27.518
Minimum Outlet Pipe Diameter (mm)	225
Suggested Manhole Diameter (mm)	1500

Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	2.000	12.5
Flush-Flo™	0.582	12.5
Kick-Flo®	1.207	9.9
Mean Flow over Head Range	-	10.9

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	5.3	1.200	10.0	3.000	15.1	7.000	22.7
0.200	10.4	1.400	10.6	3.500	16.3	7.500	23.5
0.300	11.6	1.600	11.2	4.000	17.4	8.000	24.2
0.400	12.2	1.800	11.9	4.500	18.4	8.500	24.9
0.500	12.4	2.000	12.5	5.000	19.3	9.000	25.6
0.600	12.5	2.200	13.1	5.500	20.2	9.500	26.3
0.800	12.2	2.400	13.6	6.000	21.1		
1.000	11.6	2.600	14.2	6.500	21.9		

Hydro-Brake® Optimum Manhole: S1.25, DS/PN: S9.005, Volume (m³): 10.7

Unit Reference	MD-SHE-0208-2400-1500-2400
Design Head (m)	1.500
Design Flow (l/s)	24.0
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	208
Invert Level (m)	27.838
Minimum Outlet Pipe Diameter (mm)	225
Suggested Manhole Diameter (mm)	1800

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Hydro-Brake® Optimum Manhole: S1.25, DS/PN: S9.005, Volume (m³): 10.7

Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	1.500	24.0
Flush-Flo™	0.457	24.0
Kick-Flo®	1.000	19.8
Mean Flow over Head Range	-	20.7

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	7.1	1.200	21.6	3.000	33.4	7.000	50.3
0.200	20.0	1.400	23.2	3.500	36.0	7.500	52.0
0.300	23.3	1.600	24.7	4.000	38.4	8.000	53.7
0.400	23.9	1.800	26.2	4.500	40.6	8.500	55.3
0.500	24.0	2.000	27.5	5.000	42.8	9.000	56.9
0.600	23.7	2.200	28.8	5.500	44.8	9.500	58.4
0.800	22.7	2.400	30.0	6.000	46.7		
1.000	19.9	2.600	31.2	6.500	48.6		

Non Return Valve Manhole: S1.27, DS/PN: S1.009, Volume (m³): 4.3

Hydro-Brake® Optimum Manhole: S1.28, DS/PN: S1.010, Volume (m³): 6.7

Unit Reference	MD-SHE-0244-3650-2000-3650
Design Head (m)	2.000
Design Flow (l/s)	36.5
Flush-Flo™	Calculated
Objective	Minimise upstream storage
Application	Surface
Sump Available	Yes
Diameter (mm)	244
Invert Level (m)	27.339
Minimum Outlet Pipe Diameter (mm)	300
Suggested Manhole Diameter (mm)	2100

Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	2.000	36.4
Flush-Flo™	0.588	36.4
Kick-Flo®	1.285	29.5
Mean Flow over Head Range	-	31.5

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

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Hydro-Brake® Optimum Manhole: S1.28, DS/PN: S1.010, Volume (m³): 6.7

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	8.0	1.200	31.8	3.000	44.3	7.000	66.8
0.200	24.8	1.400	30.7	3.500	47.7	7.500	69.0
0.300	33.8	1.600	32.8	4.000	50.9	8.000	71.2
0.400	35.5	1.800	34.7	4.500	53.9	8.500	73.4
0.500	36.3	2.000	36.4	5.000	56.7	9.000	75.4
0.600	36.4	2.200	38.2	5.500	59.4	9.500	77.5
0.800	35.9	2.400	39.8	6.000	62.0		
1.000	34.6	2.600	41.4	6.500	64.4		

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Storage Structures for SW Net01

Cellular Storage Manhole: ST1, DS/PN: S5.000

Invert Level (m) 28.000 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 1.00
Infiltration Coefficient Side (m/hr) 0.00000

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	74.5	67.0	1.601	0.0	127.1
1.600	74.5	127.1			

Cellular Storage Manhole: S1.19, DS/PN: S9.003

Invert Level (m) 28.400 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 1.00
Infiltration Coefficient Side (m/hr) 0.00000

Depth (m)	Area (m²)	Inf. Area (m²)	Depth (m)	Area (m²)	Inf. Area (m²)
0.000	92.0	75.0	1.201	0.0	127.5
1.200	92.0	127.5			

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SW Net01

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
Hot Start Level (mm)	0	Inlet Coeffiecient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	2
Number of Online Controls	4	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.357
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	OFF
Inertia Status	OFF

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1.0	15 Summer	2	+0%					28.998
S1.001	S1.0A	15 Summer	2	+0%					28.923
S2.000	S1.1	15 Winter	2	+0%					30.299
S2.001	S1.2	15 Winter	2	+0%	100/15 Summer				29.257
S2.002	S1.2A	15 Summer	2	+0%					29.145
S1.002	S1.3	15 Winter	2	+0%	100/60 Winter				28.868
S3.000	S1.4A	15 Winter	2	+0%	100/30 Winter				28.639
S1.003	S1.4	15 Winter	2	+0%	100/15 Summer				28.513
S4.000	S1.5	15 Winter	2	+0%	100/60 Winter				28.942
S1.004	S1.6	15 Winter	2	+0%	100/15 Summer				28.403
S5.000	ST1	30 Winter	2	+0%	30/15 Summer				28.130
S1.005	S1.7	15 Winter	2	+0%	2/15 Summer				28.310
S6.000	S1.8	15 Winter	2	+0%					29.554
S1.006	SJ1	15 Summer	2	+0%					28.126
S7.000	SRG1	15 Winter	2	+0%					31.025
S7.001	S1.9	15 Winter	2	+0%					30.794
S7.002	S1.10	15 Winter	2	+0%					30.559
S8.000	S1.11	15 Winter	2	+0%					29.154

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SW Net01

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
S1.000	S1.0	-0.242	0.000	0.08			5.5	OK	
S1.001	S1.0A	-0.247	0.000	0.07			5.5	OK	
S2.000	S1.1	-0.111	0.000	0.15			6.0	OK	
S2.001	S1.2	-0.093	0.000	0.31			6.0	OK	
S2.002	S1.2A	-0.095	0.000	0.29			6.0	OK	
S1.002	S1.3	-0.208	0.000	0.21			16.1	OK	
S3.000	S1.4A	-0.261	0.000	0.04			4.7	OK	
S1.003	S1.4	-0.187	0.000	0.30			20.5	OK	
S4.000	S1.5	-0.108	0.000	0.17			4.8	OK	
S1.004	S1.6	-0.221	0.000	0.15			25.0	OK	
S5.000	ST1	-0.170	0.000	0.15		13	12.1	OK	
S1.005	S1.7	0.110	0.000	0.20			13.9	SURCHARGED*	
S6.000	S1.8	-0.126	0.000	0.06			4.8	OK	
S1.006	SJ1	0.000	0.000	0.12			16.4	SURCHARGED*	
S7.000	SRG1	-0.125	0.000	0.07			2.0	OK	
S7.001	S1.9	-0.116	0.000	0.12			2.7	OK	
S7.002	S1.10	-0.121	0.000	0.08			4.5	OK	
S8.000	S1.11	-0.096	0.000	0.28			4.7	OK	

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2 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SW Net01

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.007	S1.12	15 Summer	2	+0%	2/15 Summer				28.315
S9.000	S1.13	15 Winter	2	+0%	100/15 Summer				29.585
S10.000	S1.29	15 Winter	2	+0%	100/15 Summer				29.252
S9.001	S1.14	15 Winter	2	+0%	100/15 Summer				29.052
S11.000	S1.15	15 Winter	2	+0%	100/15 Summer				29.187
S12.000	S1.16	15 Winter	2	+0%					29.695
S9.002	S1.17	15 Winter	2	+0%	30/15 Summer				28.495
S13.000	S1.18	15 Winter	2	+0%	100/15 Summer				28.971
S9.003	S1.19	15 Winter	2	+0%	2/15 Summer				28.474
S9.004	S1.20	15 Winter	2	+0%	2/15 Summer				28.482
S14.000	S1.21A	15 Winter	2	+0%					32.833
S14.001	S1.21B	15 Winter	2	+0%					32.637
S14.002	S1.21	15 Winter	2	+0%					32.491
S14.003	S1.22	15 Winter	2	+0%					32.172
S14.004	S1.23	15 Winter	2	+0%					31.879
S15.000	S1.24	15 Winter	2	+0%	100/60 Winter				29.176
S9.005	S1.25	15 Winter	2	+0%	2/15 Summer				28.485
S1.008	S1.26	30 Winter	2	+0%	2/15 Summer				28.076
S1.009	S1.27	30 Winter	2	+0%	2/15 Summer				28.053
S1.010	S1.28	30 Winter	2	+0%	2/15 Summer				28.025

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
S1.007	S1.12	0.497	0.000	0.19			12.4	SURCHARGED	
S9.000	S1.13	-0.101	0.000	0.23			7.0	OK	
S10.000	S1.29	-0.098	0.000	0.26			5.3	OK	
S9.001	S1.14	-0.155	0.000	0.21			16.6	OK	
S11.000	S1.15	-0.113	0.000	0.14			5.0	OK	
S12.000	S1.16	-0.105	0.000	0.20			3.3	OK	
S9.002	S1.17	-0.130	0.000	0.37			24.9	OK	
S13.000	S1.18	-0.099	0.000	0.25			10.3	OK	
S9.003	S1.19	0.224	0.000	0.41		7	23.3	SURCHARGED	
S9.004	S1.20	0.260	0.000	0.31			22.3	SURCHARGED	
S14.000	S1.21A	-0.107	0.000	0.18			2.7	OK	
S14.001	S1.21B	-0.168	0.000	0.15			6.1	OK	
S14.002	S1.21	-0.184	0.000	0.08			6.1	OK	
S14.003	S1.22	-0.178	0.000	0.10			7.4	OK	
S14.004	S1.23	-0.171	0.000	0.13			16.0	OK	
S15.000	S1.24	-0.094	0.000	0.30			5.0	OK	
S9.005	S1.25	0.421	0.000	0.80			23.9	SURCHARGED	
S1.008	S1.26	0.324	0.000	0.60			37.1	SURCHARGED	
S1.009	S1.27	0.354	0.000	0.64			39.3	SURCHARGED	
S1.010	S1.28	0.386	0.000	0.55			36.4	SURCHARGED	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SW Net01

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
Hot Start Level (mm)	0	Inlet Coeffiecient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	2
Number of Online Controls	4	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.357
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	OFF
Inertia Status	OFF

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1.0	15 Winter	30	+0%					29.019
S1.001	S1.0A	15 Summer	30	+0%					28.944
S2.000	S1.1	15 Winter	30	+0%					30.315
S2.001	S1.2	15 Winter	30	+0%	100/15 Summer				29.283
S2.002	S1.2A	15 Summer	30	+0%					29.170
S1.002	S1.3	15 Winter	30	+0%	100/60 Winter				28.911
S3.000	S1.4A	15 Winter	30	+0%	100/30 Winter				28.656
S1.003	S1.4	15 Summer	30	+0%	100/15 Summer				28.569
S4.000	S1.5	15 Winter	30	+0%	100/60 Winter				28.959
S1.004	S1.6	60 Winter	30	+0%	100/15 Summer				28.451
S5.000	ST1	60 Winter	30	+0%	30/15 Summer				28.443
S1.005	S1.7	60 Winter	30	+0%	2/15 Summer				28.457
S6.000	S1.8	15 Winter	30	+0%					29.564
S1.006	SJ1	15 Summer	30	+0%					28.126
S7.000	SRG1	15 Winter	30	+0%					31.035
S7.001	S1.9	15 Winter	30	+0%					30.809
S7.002	S1.10	15 Winter	30	+0%					30.573
S8.000	S1.11	15 Winter	30	+0%					29.177

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SW Net01

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
S1.000	S1.0	-0.221	0.000	0.16			10.4	OK	
S1.001	S1.0A	-0.226	0.000	0.14			10.4	OK	
S2.000	S1.1	-0.095	0.000	0.29			11.3	OK	
S2.001	S1.2	-0.067	0.000	0.59			11.3	OK	
S2.002	S1.2A	-0.070	0.000	0.55			11.3	OK	
S1.002	S1.3	-0.165	0.000	0.41			32.2	OK	
S3.000	S1.4A	-0.244	0.000	0.08			8.8	OK	
S1.003	S1.4	-0.131	0.000	0.59			40.5	OK	
S4.000	S1.5	-0.091	0.000	0.33			9.1	OK	
S1.004	S1.6	-0.173	0.000	0.16			25.7	OK	
S5.000	ST1	0.143	0.000	0.27		36	21.4	SURCHARGED*	
S1.005	S1.7	0.257	0.000	0.30			20.3	SURCHARGED*	
S6.000	S1.8	-0.116	0.000	0.12			9.1	OK	
S1.006	SJ1	0.000	0.000	0.11			14.7	SURCHARGED*	
S7.000	SRG1	-0.115	0.000	0.13			3.7	OK	
S7.001	S1.9	-0.101	0.000	0.23			5.4	OK	
S7.002	S1.10	-0.107	0.000	0.18			9.7	OK	
S8.000	S1.11	-0.073	0.000	0.52			8.8	OK	

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30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SW Net01

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.007	S1.12	60 Winter	30	+0%	2/15 Summer				28.497
S9.000	S1.13	15 Winter	30	+0%	100/15 Summer				29.605
S10.000	S1.29	15 Winter	30	+0%	100/15 Summer				29.275
S9.001	S1.14	15 Winter	30	+0%	100/15 Summer				29.085
S11.000	S1.15	15 Winter	30	+0%	100/15 Summer				29.202
S12.000	S1.16	15 Winter	30	+0%					29.714
S9.002	S1.17	15 Winter	30	+0%	30/15 Summer				28.752
S13.000	S1.18	15 Winter	30	+0%	100/15 Summer				28.993
S9.003	S1.19	30 Winter	30	+0%	2/15 Summer				28.723
S9.004	S1.20	30 Winter	30	+0%	2/15 Summer				28.726
S14.000	S1.21A	15 Winter	30	+0%					32.850
S14.001	S1.21B	15 Winter	30	+0%					32.667
S14.002	S1.21	15 Summer	30	+0%					32.511
S14.003	S1.22	15 Summer	30	+0%					32.195
S14.004	S1.23	15 Winter	30	+0%					31.909
S15.000	S1.24	15 Winter	30	+0%	100/60 Winter				29.200
S9.005	S1.25	30 Winter	30	+0%	2/15 Summer				28.730
S1.008	S1.26	15 Winter	30	+0%	2/15 Summer				28.418
S1.009	S1.27	15 Winter	30	+0%	2/15 Summer				28.400
S1.010	S1.28	15 Winter	30	+0%	2/15 Summer				28.374

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
S1.007	S1.12	0.679	0.000	0.19			12.5	SURCHARGED	
S9.000	S1.13	-0.081	0.000	0.44			13.2	OK	
S10.000	S1.29	-0.075	0.000	0.50			10.1	OK	
S9.001	S1.14	-0.122	0.000	0.43			33.4	OK	
S11.000	S1.15	-0.098	0.000	0.26			9.4	OK	
S12.000	S1.16	-0.086	0.000	0.38			6.3	OK	
S9.002	S1.17	0.127	0.000	0.68			46.1	SURCHARGED*	
S13.000	S1.18	-0.077	0.000	0.48			19.5	OK	
S9.003	S1.19	0.473	0.000	0.45		18	25.9	SURCHARGED	
S9.004	S1.20	0.504	0.000	0.35			25.3	SURCHARGED	
S14.000	S1.21A	-0.090	0.000	0.34			5.0	OK	
S14.001	S1.21B	-0.138	0.000	0.32			13.2	OK	
S14.002	S1.21	-0.164	0.000	0.16			13.2	OK	
S14.003	S1.22	-0.155	0.000	0.21			16.4	OK	
S14.004	S1.23	-0.141	0.000	0.30			37.1	OK	
S15.000	S1.24	-0.070	0.000	0.56			9.4	OK	
S9.005	S1.25	0.667	0.000	0.80			23.9	SURCHARGED	
S1.008	S1.26	0.666	0.000	0.64			39.1	SURCHARGED	
S1.009	S1.27	0.701	0.000	0.74			45.1	SURCHARGED	
S1.010	S1.28	0.735	0.000	0.55			36.4	SURCHARGED	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SW Net01

Simulation Criteria

Areal Reduction Factor	1.000	Additional Flow - % of Total Flow	0.000
Hot Start (mins)	0	MADD Factor * 10m³/ha Storage	0.000
Hot Start Level (mm)	0	Inlet Coeffiecient	0.800
Manhole Headloss Coeff (Global)	0.500	Flow per Person per Day (l/per/day)	0.000
Foul Sewage per hectare (l/s)	0.000		

Number of Input Hydrographs	0	Number of Storage Structures	2
Number of Online Controls	4	Number of Time/Area Diagrams	0
Number of Offline Controls	0	Number of Real Time Controls	0

Synthetic Rainfall Details

Rainfall Model		FSR	Ratio R 0.357
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.000	Cv (Winter)	0.840

Margin for Flood Risk Warning (mm)	300.0
Analysis Timestep	2.5 Second Increment (Extended)
DTS Status	OFF
DVD Status	OFF
Inertia Status	OFF

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440, 2160, 2880
Return Period(s) (years)	2, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.000	S1.0	60 Winter	100	+40%					29.127
S1.001	S1.0A	60 Winter	100	+40%					29.126
S2.000	S1.1	15 Winter	100	+40%					30.337
S2.001	S1.2	15 Summer	100	+40%	100/15 Summer				29.358
S2.002	S1.2A	15 Summer	100	+40%					29.222
S1.002	S1.3	60 Winter	100	+40%	100/60 Winter				29.126
S3.000	S1.4A	60 Winter	100	+40%	100/30 Winter				29.121
S1.003	S1.4	60 Winter	100	+40%	100/15 Summer				29.120
S4.000	S1.5	60 Winter	100	+40%	100/60 Winter				29.119
S1.004	S1.6	60 Winter	100	+40%	100/15 Summer				29.116
S5.000	ST1	60 Winter	100	+40%	30/15 Summer				29.112
S1.005	S1.7	60 Winter	100	+40%	2/15 Summer				29.113
S6.000	S1.8	15 Winter	100	+40%					29.577
S1.006	SJ1	15 Summer	100	+40%					28.126
S7.000	SRG1	15 Winter	100	+40%					31.049
S7.001	S1.9	15 Winter	100	+40%					30.828
S7.002	S1.10	15 Winter	100	+40%					30.589
S8.000	S1.11	15 Winter	100	+40%					29.215

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SW Net01

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
S1.000	S1.0	-0.113	0.000	0.15			9.7	OK	
S1.001	S1.0A	-0.044	0.000	0.13			9.7	OK	
S2.000	S1.1	-0.073	0.000	0.52			20.5	OK	
S2.001	S1.2	0.008	0.000	1.06			20.5	SURCHARGED	
S2.002	S1.2A	-0.018	0.000	1.00			20.4	OK	
S1.002	S1.3	0.050	0.000	0.39			30.5	SURCHARGED	
S3.000	S1.4A	0.221	0.000	0.07			8.2	SURCHARGED*	
S1.003	S1.4	0.420	0.000	0.53			36.6	SURCHARGED*	
S4.000	S1.5	0.069	0.000	0.31			8.5	SURCHARGED*	
S1.004	S1.6	0.492	0.000	0.25			40.3	SURCHARGED*	
S5.000	ST1	0.812	0.000	0.22			17.4	SURCHARGED*	
S1.005	S1.7	0.913	0.000	0.30			20.3	SURCHARGED*	
S6.000	S1.8	-0.103	0.000	0.21			16.5	OK	
S1.006	SJ1	0.000	0.000	0.12			17.0	SURCHARGED*	
S7.000	SRG1	-0.101	0.000	0.23			6.7	OK	
S7.001	S1.9	-0.082	0.000	0.42			9.7	OK	
S7.002	S1.10	-0.091	0.000	0.33			17.6	OK	
S8.000	S1.11	-0.035	0.000	0.95			15.9	OK	

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100 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for SW Net01

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
S1.007	S1.12	60 Winter	100	+40%	2/15 Summer				29.109
S9.000	S1.13	15 Winter	100	+40%	100/15 Summer				29.747
S10.000	S1.29	15 Winter	100	+40%	100/15 Summer				29.617
S9.001	S1.14	15 Winter	100	+40%	100/15 Summer				29.543
S11.000	S1.15	15 Winter	100	+40%	100/15 Summer				29.403
S12.000	S1.16	15 Winter	100	+40%					29.741
S9.002	S1.17	15 Winter	100	+40%	30/15 Summer				29.314
S13.000	S1.18	15 Winter	100	+40%	100/15 Summer				29.324
S9.003	S1.19	60 Winter	100	+40%	2/15 Summer				29.284
S9.004	S1.20	60 Winter	100	+40%	2/15 Summer				29.279
S14.000	S1.21A	15 Winter	100	+40%					32.875
S14.001	S1.21B	15 Winter	100	+40%					32.703
S14.002	S1.21	15 Winter	100	+40%					32.534
S14.003	S1.22	15 Winter	100	+40%					32.221
S14.004	S1.23	15 Winter	100	+40%					31.944
S15.000	S1.24	60 Winter	100	+40%	100/60 Winter				29.277
S9.005	S1.25	60 Winter	100	+40%	2/15 Summer				29.268
S1.008	S1.26	60 Winter	100	+40%	2/15 Summer				28.972
S1.009	S1.27	60 Winter	100	+40%	2/15 Summer				28.950
S1.010	S1.28	60 Winter	100	+40%	2/15 Summer				28.925

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
S1.007	S1.12	1.291	0.000	0.19			12.2	SURCHARGED	
S9.000	S1.13	0.061	0.000	0.77			23.1	SURCHARGED*	
S10.000	S1.29	0.267	0.000	0.76			15.5	SURCHARGED*	
S9.001	S1.14	0.336	0.000	0.66			50.9	SURCHARGED*	
S11.000	S1.15	0.103	0.000	0.46			16.5	SURCHARGED*	
S12.000	S1.16	-0.059	0.000	0.68			11.4	OK	
S9.002	S1.17	0.689	0.000	1.08			73.2	SURCHARGED*	
S13.000	S1.18	0.254	0.000	0.79			32.2	SURCHARGED*	
S9.003	S1.19	1.034	0.000	0.37		49	21.2	SURCHARGED	
S9.004	S1.20	1.057	0.000	0.30			21.5	SURCHARGED	
S14.000	S1.21A	-0.065	0.000	0.61			9.1	OK	
S14.001	S1.21B	-0.102	0.000	0.58			23.9	OK	
S14.002	S1.21	-0.141	0.000	0.30			23.9	OK	
S14.003	S1.22	-0.129	0.000	0.38			29.5	OK	
S14.004	S1.23	-0.106	0.000	0.55			67.0	OK	
S15.000	S1.24	0.007	0.000	0.52			8.8	SURCHARGED	
S9.005	S1.25	1.204	0.000	0.80			23.9	SURCHARGED	
S1.008	S1.26	1.220	0.000	0.60			36.8	SURCHARGED	
S1.009	S1.27	1.251	0.000	0.65			40.1	SURCHARGED	
S1.010	S1.28	1.286	0.000	0.55			36.4	SURCHARGED	

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APPENDIX E – CONSTRUCTION PHOTOGRAPHS

COMPLEX CHALLENGES…
MADE SIMPLE



08.03.2022



08.03.2022

COMPLEX CHALLENGES…
MADE SIMPLE



08.03.2022



08.03.2022

COMPLEX CHALLENGES…
MADE SIMPLE



08.03.2022



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COMPLEX CHALLENGES…
MADE SIMPLE



08.03.2022



08.03.2022

COMPLEX CHALLENGES…
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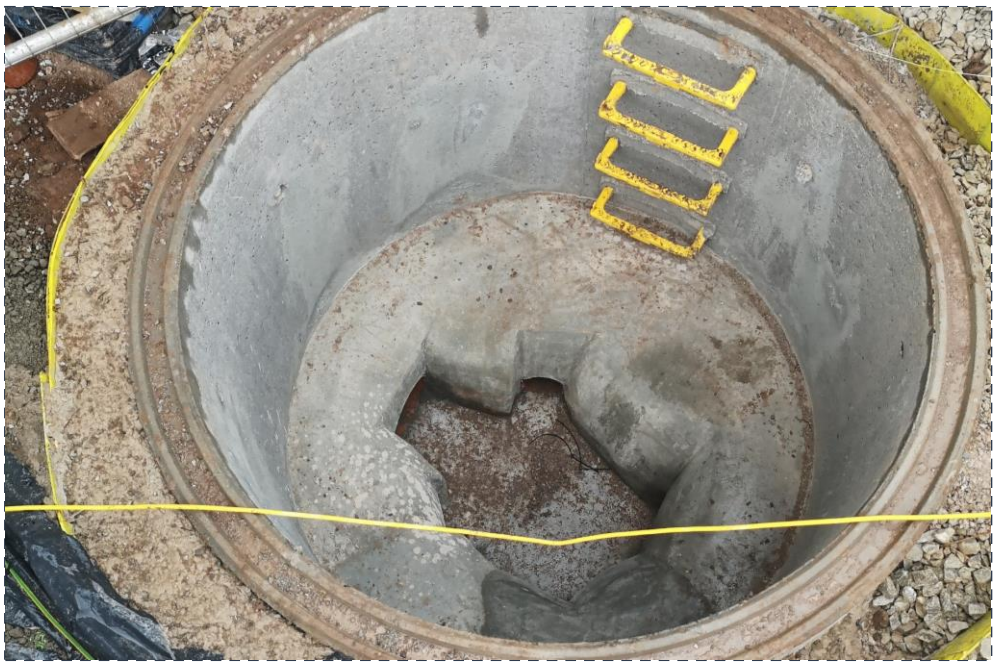


26.05.2022



26.05.2022

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26.05.2022



09.06.2022

COMPLEX CHALLENGES…
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09.06.2022



09.06.2022

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30.06.2022



30.06.2022

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30.06.2022



30.06.2022

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21.07.2022



21.07.2022

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21.07.2022



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09.08.2022



09.08.2022

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09.08.2022



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APPENDIX F – SW OUTFALL CONSENT

Environment Agency permitting decisions

Decision Document: Bespoke permit for Flood Risk Activities

We have decided to grant the permit for the construction of a new surface water outfall at Victoria Riverside operated by CR Construction (U.K.) Company Limited.

The permit number is EPR/UB3350MD

The flood risk activity is for works involve the construction of a new surface water outfall through the existing wall forming the River Irk & temporary scaffold to enable construction.

We consider in reaching that decision we have taken into account all relevant considerations and legal requirements and that the permit will ensure that the appropriate management of impacts on flood risk and land drainage and the appropriate level of environmental protection is provided.

Purpose of this document

This decision document:

- explains how the application has been determined
- provides a record of the decision-making process
- shows how all relevant factors have been taken into account
- justifies the specific conditions in the permit other than those in our generic permit template.

Unless the decision document specifies otherwise we have accepted the applicant's proposals.

Structure of this document

- Annex 1 the decision checklist

Annex 1: decision checklist

This document should be read in conjunction with the Duly Making checklist (see the Operational Instruction on receiving to duly making FRA applications), the application and supporting information and permit/ notice.

Aspect considered	Justification / Detail	Criteria met Yes
Operator		
Control of the activity	We are satisfied that the applicant (now the operator) is the person who will have control over the operation of the permitted activities after the grant of the permit. The decision was taken in accordance with our published guidance on the meaning of operator.	✓
The site		
Extent of the site or sites	The operator has provided a plan which we consider is satisfactory, showing the extent of the site of the activities A plan is included in the permit and the operator is required to carry on the permitted activities within the site boundary.	✓
European Directives		
Applicable directives	All applicable European directives have been considered in the determination of the application.	✓
Biodiversity, Heritage, Landscape and Nature Conservation	The application is within the relevant distance criteria of a site of heritage, landscape or nature conservation, and/or protected or priority species or habitat and/or a salmonid or cyprinid river. A full assessment of the application and its potential to affect the site has been carried out as part of the permitting process. We consider that the application will not affect the features of the site.	✓
Risk Assessment, Management System and Operating Techniques		
Flood and land drainage risk	We have reviewed the operator's assessment of the flood and land drainage risks from the activity. The operator's risk assessment is satisfactory. The risk of increased flood risk from the proposed activities is negligible.	✓
Environmental risk	We have reviewed the operator's assessment of the environmental risks from the activity.	✓

Aspect considered	Justification / Detail	Criteria met Yes
	The operator's risk assessment is satisfactory. Properly adhered to, the provided Method of Work will keep the environmental risks of the proposed activities negligible.	
Management System	The operator has confirmed in its declaration that it has a management system that it says meets the expectations in our published guidance on preparing a management system including the plan detailing the method of work ("the Method of Work"). There is no known reason to consider that the operator will not have the management systems in place to enable it to comply with the permit conditions.	✓ ✓
Operating techniques	We have reviewed the Method of Work proposed by the operator. The operator has provided a Method of Work detailing the working methods for how the activity will be carried out and the measures used to manage the risks identified. We consider the Method of Work to be satisfactory. Due to the level of risk and complexity of the activities, we have imposed a condition incorporating the Method of Work the operator has provided into the permit. The decision was taken in accordance with our published guidance on preparing Management Systems and Operator Competence.	✓
The permit conditions		
Incorporating documents provided in the application	We have specified that the applicant must operate the permit in accordance with specified documents or information received as part of the determination process. The descriptions of the documents or information are specified in the Table S1.1 Limits of Activities and Table S1.2 Operating Techniques section of in the permit. These have been set as conditions against the permit to ensure the environmental risks of the activities are minimised and kept at a negligible level, due to the risks associated with gravel movement or removal in the River Irk.	✓
Notifications	We have specified that notification should be given prior to the activity being commenced and following the activity being completed.	✓

Aspect considered	Justification / Detail	Criteria met
		Yes
	We require this so that we have accurate records of where activities that affect flood risk are being carried out at any time, so that we are able to effectively manage flood risk in the catchment. It also enables us to carry out compliance checking in a proportionate way.	
Operator Competence		
Operator competence	The operator is responsible for ensuring that it has the technical competence to carry out the activity in accordance with the permit. There is no known reason to consider that the operator will not have the competence to comply with the permit conditions.	✓

APPENDIX G – FW OUTFALL CONSENT

United Utilities Inspection Notice

This form is to confirm a new connection has been made to an existing public sewer under Section 106 of the Water Industry Act 1991

Water for the North West

Site details: Details of the site or premise that have been connected to the public sewer	
United Utilities notification reference (EC/NC/SC/WC)	EC5626
Site address	Danztic Street Manchester
Development type	Please select

Contractor Details			
Contractor name / Company Name	Sub Tech Contractors Ltd		
Contractor Email Addess	info@sub-tech.co.uk		
Works Supervisor	John Cannon		
Confirm sewer 'log on' & 'log off' procedure followed	Yes ☑	No ☐	

Principal Contractor Details (if applicable)	
Company name (if applicable)	J Reddington Ltd
Name of Contact for Project	Darren Hynes
Email Address	darren.hynes@jreddington.co.uk
Number of site inspections conducted by United Utilities	1

Connection details			
Sewer connection type	Foul		
Foul sewer pipesize diameter	225		
Connecting into:	Sewer	Existing Sewer Type	Combined
Connecting to asset:	Combined sewer		
Connection Location	Dantztic Street Manchester		

Outcome	
Connection status	Satisfactory

Comments
I can confirm that the Foul Sewer connection is SATISFACTORY - 225 Foul Sewer connecting into the Sewer Combined connected via Combined sewer in Dantztic Street Manchester

Approved: I confirm the sewer connection detailed above has been satifactorily completed and inspected

Developer Services Inspector	Marcus Jones
Date of Inspection	14/07/2022

United Utilities Inspection Notice

This form is to confirm a new connection has been made to an existing public sewer under Section 106 of the Water Industry Act 1991

Water for the North West

Site details: Details of the site or premise that have been connected to the public sewer	
United Utilities notification reference (EC/NC/SC/WC)	EC5654
Site address	Gould Street, Manchester, M4 4DD
Development type	New property

Contractor Details			
Contractor name / Company Name	Sub-Tech Contracts Ltd		
Contractor Email Addess	info@sub-tech.co.uk		
Works Supervisor	John Cannon		
Confirm sewer 'log on' & 'log off' procedure followed	Yes ☑	No ☐	

Principal Contractor Details (if applicable)	
Company name (if applicable)	J Reddington Ltd
Name of Contact for Project	Darren Hynes
Email Address	darren.hynes@jreddington.co.uk
Number of site inspections conducted by United Utilities	1

Connection details			
Sewer connection type	Foul		
Foul sewer pipesize diameter	225mm		
Connecting into:	Combined sewer	Existing Sewer Type	Combined
Connecting to asset:	Combined manhole		
Connection Location	Gould Street, Manchester, M4 4DD		

Outcome	
Connection status	Satisfactory

Comments
I can confirm that the Foul Sewer connection is SATISFACTORY - 225mm Foul Sewer connecting into the Combined sewer Combined connected via Combined manhole in Gould Street, Manchester, M4 4DD

Approved: I confirm the sewer connection detailed above has been satifactorily completed and inspected

Developer Services Inspector	Marcus Jones
Date of Inspection	07/04/2022

APPENDIX H – INFILTRATION TESTING

LK CONSULT LTD
Eton Business Park, Eton Hill Road, Radcliffe, M26 2ZS
Tel: 0161 763 7200 web: www.thelkgroup.com

Soakaway Test (BRE Digest 365)

Site : Victoria Riverside, Dantzic Street, Manchester

Client : Far East Consortium Ltd

Engineer :

Job Number LKC 19 1267

Sheet 1 / 2

Location	Date	Level	Location
TP10	12/09/2019		

Pit Width (m)	1.00
Pit Depth (m)	2.00
Pit Length (m)	2.00

Soil type at test level	
Groundwater	
Drain discharge depth	2.00
Sidewall stability	Unstable
Stone filled or open pit	Stone Filled

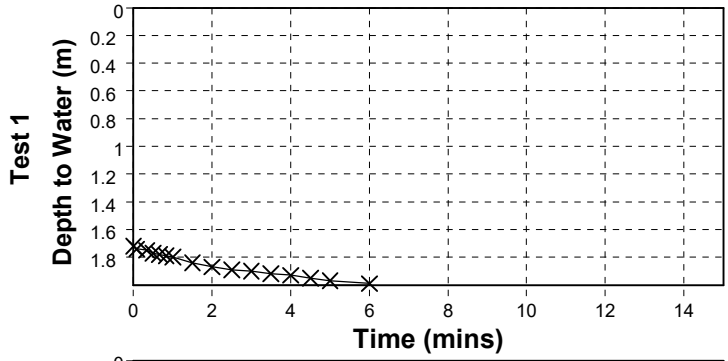
	1	2	3
Effective depth (m)	0.28	0.45	0.57
Volume outflowing between 75% & 25% (m3)*	0.08	0.14	0.17
Mean surface area through which outflow occurs (m2)	2.84	3.35	3.71
Time for outflow between 75% & 25% (min)	3.17	7.07	9.21
SOIL INFILTRATION RATE (ms-1), f	1.56E-4	9.50E-5	8.34E-5

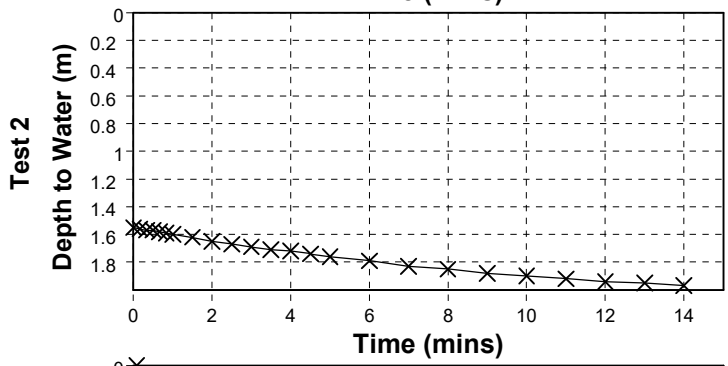
* Volume outflowing reduced to account for granular backfill used during testing (30 % of free volume assumed).

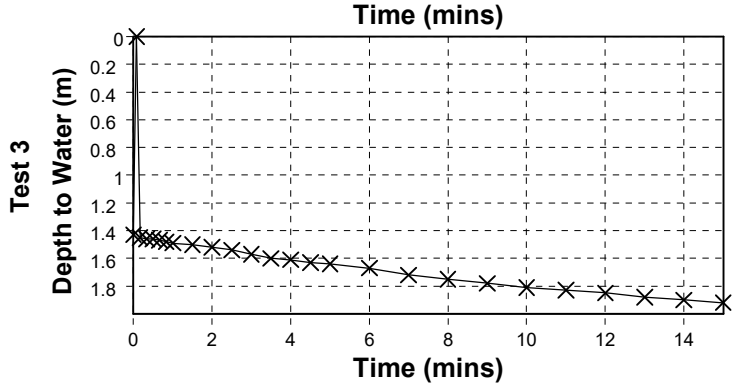
Remarks

1000L of water discharged into the trial pit in 8min 30sec raised the level to 1.72mbgl.
1000L of water discharged into the trial pit in 8min 30sec raised the level to 1.55mbgl.
1000L of water discharged into the trial pit in 8min 30sec raised the level to 1.43mbgl.

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	1.72	1.55	1.43
0.083	1.74		
0.167		1.56	1.45
0.333	1.75	1.57	1.46
0.5	1.77	1.57	1.46
0.667	1.78	1.58	1.47
0.833	1.79	1.59	1.48
1	1.80	1.60	1.49
1.5	1.84	1.62	1.50
2	1.87	1.65	1.52
2.5	1.89	1.67	1.54
3	1.90	1.69	1.57
3.5	1.92	1.71	1.60
4	1.93	1.72	1.61
4.5	1.95	1.74	1.63
5	1.97	1.76	1.64
6	1.99	1.79	1.67
7		1.83	1.72
8		1.85	1.75
9		1.88	1.78
10		1.90	1.81
11		1.92	1.83
12		1.94	1.85
13		1.95	1.88
14		1.97	1.90
15			1.92







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COMPLEX CHALLENGES ...
MADE SIMPLE

APPENDIX J – CCTV SURVEY

BUXTONWATER

CCTV Inspection Report



VICTORIA RIVERSIDE
DANTZIC STREET
MANCHESTER
M4 4NL

12/09/2023

Job Number: HS-20A01205/00029

Buxton Water

1a Maple Court, Maple View,
White Moss Business Park, Skelmersdale WN8 9TW
Tel: 01942 290130
http://www.buxtons-water.co.uk

Project Information

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Client Details:

J REDDINGTON LTD
4 ELSTREE WAY
BOREHAMWOOD
HERTFORDSHIRE
WD6 1RN

Site Details:

VICTORIA RIVERSIDE
DANTZIC STREET
MANCHESTER
M4 4NL

Contractor Details:

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Office Contact Number: 01942 290130

Purpose of Survey:

Undertake full cctv drainage survey to all accessible below ground drainage
Runs located internally and externally across the whole site including all accessible internal popup drainage connections

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Buxton Water Ltd
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW
carlp@buxtons-water.co.uk

J REDDINGTON LTD
4 ELSTREE WAY
BOREHAMWOOD
HERTFORDSHIRE
WD6 1RN

HS-20A01205/00029 12 September 2023

Buxton Water attended site on 12th September 2023 to carry out investigation works, the following is a report on the findings of said investigation works:

Run 1
Start of Survey: S1.9
Invert Level: 0.75m
End of Survey: Unknown
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 2
Start of Survey: S1.9
Invert Level: 0.75m
End of Survey: S1.10
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 3
Start of Survey: Hopper 1
Invert Level:
End of Survey: S1.9-S1.10 Carrier
Invert Level:
Direction of Flow: Downstream

Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 4
Start of Survey: S1.10
Invert Level: 1.6m
End of Survey: Dropshaft for S1.12
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 5
Start of Survey: S1.10 Leg 1
Invert Level: 1.6m
End of Survey: Unknown
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 6
Start of Survey: S1.10 Leg 2
Invert Level: 1.6m
End of Survey: Unknown
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 7
Start of Survey: Hopper 2
Invert Level:
End of Survey: S1.10-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 8
Start of Survey: Hopper 3
Invert Level:
End of Survey: S1.10-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 9
Start of Survey: Hopper 4
Invert Level:
End of Survey: S1.10-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 10
Start of Survey: S1.11
Invert Level: 0.92m

End of Survey: Unknown
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified standing water from 6.43m to 8.69m

Recommended Repair:
None

Run 11
Start of Survey: S1.11
Invert Level: 0.92m
End of Survey: Dropshaft for S1.12
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified standing water from 5.71m to 7.55m as well as further standing water at 21.64m

Recommended Repair:
None

Run 12
Start of Survey: Hopper 6
Invert Level:
End of Survey: S1.11-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 13
Start of Survey: Hopper 7
Invert Level:
End of Survey: S1.11-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water

CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 14
Start of Survey: Hopper 8
Invert Level:
End of Survey: S1.11-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 15
Start of Survey: Hopper 9
Invert Level:
End of Survey: S1.11-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 16
Start of Survey: Hopper 10
Invert Level:
End of Survey: S1.11-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 17
Start of Survey: Hopper 11
Invert Level:
End of Survey: S1.11-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 18
Start of Survey: Hopper 12
Invert Level:
End of Survey: S1.11-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 19
Start of Survey: Hopper 13
Invert Level:
End of Survey: S1.11-S1.12 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 20
Start of Survey: F2.0
Invert Level: 1.65m
End of Survey: Unknown
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm

Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 21
Start of Survey: F2.0 Leg 1
Invert Level: 1.65m
End of Survey: Unknown
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 22
Start of Survey: F2.0 Leg 2
Invert Level: 1.65m
End of Survey: Unknown
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 23
Start of Survey: F2.0
Invert Level: 1.65m
End of Survey: F2.1
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:

None

Run 24
Start of Survey: F2.1 Leg 1
Invert Level: 1.84m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified standing water from the start of the line to 0.26m

Recommended Repair:
None

Run 25
Start of Survey: F2.1 Leg 2
Invert Level: 1.84m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 26
Start of Survey: F2.1
Invert Level: 1.84m
End of Survey: F2.2
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 27
Start of Survey: F2.2 Leg 1
Invert Level: 1.95m
End of Survey: Restbend

Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 28
Start of Survey: F2.2 Leg 2
Invert Level: 1.95m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 29
Start of Survey: F2.2
Invert Level: 1.95m
End of Survey: F2.3
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 30
Start of Survey: F2.3 Leg 1
Invert Level: 1.65m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:

The survey identified no defects on this line

Recommended Repair:
None

Run 31
Start of Survey: F2.3 Leg 2
Invert Level: 1.65m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 32
Start of Survey: F2.3
Invert Level: 1.65m
End of Survey: F2.8
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 33
Start of Survey: F2.5
Invert Level: 1.9m
End of Survey: F2.7
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 34

Start of Survey: F2.7
Invert Level: 2.43m
End of Survey: F2.8
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 35
Start of Survey: F2.4
Invert Level: 1.48m
End of Survey: F2.5
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 36
Start of Survey: F2.4
Invert Level: 1.48m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 37
Start of Survey: F2.4 Leg 1
Invert Level: 1.48m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC

Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 38
Start of Survey: F2.4 Leg 2
Invert Level: 1.48m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 39
Start of Survey: F2.4 Leg 3
Invert Level: 1.48m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 40
Start of Survey: F2.6A
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 41
Start of Survey: F2.6A Leg 1
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 42
Start of Survey: F2.6A Leg 2
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 43
Start of Survey: F2.6A
Invert Level: 1.2m
End of Survey: F2.6
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 44
Start of Survey: F2.6A Leg 3
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:

Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 45
Start of Survey: F2.6A Leg 4
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 46
Start of Survey: F2.6 Leg 1
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 47
Start of Survey: F2.6 Leg 2
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 48
Start of Survey: F2.6
Invert Level: 1.2m
End of Survey: F2.7
Invert Level: 2.43m
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 49
Start of Survey: F2.9
Invert Level: 2.72m
End of Survey: F2.11
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 50
Start of Survey: F2.11
Invert Level: 2.72m
End of Survey: F2.8
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 51
Start of Survey: F2.9 Leg 1

Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 52
Start of Survey: F2.9 Leg 1
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 53
Start of Survey: F2.9 Leg 3
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 54
Start of Survey: F2.9 Leg 4
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No

Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 55
Start of Survey: F2.9 Leg 5
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 56
Start of Survey: F2.9 Leg 6
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 57
Start of Survey: F2.10A
Invert Level: 2.43m
End of Survey: F2.10B
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 58
Start of Survey: F2.10A Leg 1
Invert Level: 2.43m
End of Survey: F2.10B
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 59
Start of Survey: F2.10A
Invert Level: 2.43m
End of Survey: F2.10
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 60
Start of Survey: F2.16A Leg 1
Invert Level: 1.25m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 61
Start of Survey: F2.16A Leg 2
Invert Level: 1.25m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream

Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 62
Start of Survey: F2.16A
Invert Level: 1.25m
End of Survey: F2.16
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 63
Start of Survey: F2.16
Invert Level: 3m
End of Survey: F2.17
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 64
Start of Survey: F2.16 Leg 1
Invert Level: 3m
End of Survey: F2.15
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 65
Start of Survey: F2.16 Leg 2
Invert Level: 3m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 66
Start of Survey: F2.16B
Invert Level: 1.5m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 67
Start of Survey: F2.16B
Invert Level: 1.5m
End of Survey: F2.16-F2.17 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 68
Start of Survey: F2.16B Leg 1
Invert Level: 1.5m

End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 69
Start of Survey: F2.16B Leg 2
Invert Level: 1.5m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 70
Start of Survey: F2.17
Invert Level: 3.1m
End of Survey: F2.20
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 300mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 71
Start of Survey: F2.17 Leg 1
Invert Level: 3.1m
End of Survey: Restbend
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul

CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 72
Start of Survey: F2.17A Leg 1
Invert Level: 1.48m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 73
Start of Survey: F2.17A
Invert Level: 1.48m
End of Survey: F2.17-F2.20A Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 74
Start of Survey: F2.17A Leg 2
Invert Level: 1.48m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 75
Start of Survey: F2.17A Leg 3
Invert Level: 1.48m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 76
Start of Survey: F2.10
Invert Level: 1.3m
End of Survey: F2.11
Invert Level: 2.72m
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 77
Start of Survey: F2.10 Leg 1
Invert Level: 1.3m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 78
Start of Survey: F2.10 Leg 2
Invert Level: 1.3m
End of Survey: Unknown
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm

Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 79
Start of Survey: F2.10 Leg 3
Invert Level: 1.3m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 80
Start of Survey: F2.11
Invert Level: 1.93m
End of Survey: F2.13
Invert Level: 2.08m
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 81
Start of Survey: F2.13
Invert Level: 2.08m
End of Survey: F2.16
Invert Level: 3m
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:

None

Run 82
Start of Survey: F2.13 Leg 1
Invert Level: 2.08m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 83
Start of Survey: F2.13
Invert Level: 2.08m
End of Survey: F2.12 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 84
Start of Survey: F2.15
Invert Level: 2m
End of Survey: F2.14A (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 85
Start of Survey: F2.15 Leg 1
Invert Level: 2m

End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 86
Start of Survey: F2.15 Leg 2
Invert Level: 2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 87
Start of Survey: S1.2
Invert Level: 1.24m
End of Survey: S1.1 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 88
Start of Survey: S1.2
Invert Level: 1.24m
End of Survey: S1.2A
Invert Level: 1.4m
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water

CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 89
Start of Survey: S1.2 Leg 1
Invert Level: 1.24m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 90
Start of Survey: S1.2A
Invert Level: 1.4m
End of Survey: S1.3 (Inaccessible)
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 91
Start of Survey: F1.17
Invert Level: 1.45m
End of Survey: F1.16 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 92
Start of Survey: F1.17 Leg 1
Invert Level: 1.45m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 93
Start of Survey: F1.17 Leg 2
Invert Level: 1.45m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 94
Start of Survey: F1.17
Invert Level: 1.45m
End of Survey: F1.28
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 95
Start of Survey: F1.17 Leg 3
Invert Level: 1.45m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm

Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 96
Start of Survey: F1.17 Leg 4
Invert Level: 1.45m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 97
Start of Survey: F1.17 Leg 5
Invert Level: 1.45m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 98
Start of Survey: F1.28 Leg 1
Invert Level: 1.48m
End of Survey: F1.19 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:

None

Run 99
Start of Survey: F1.28
Invert Level: 1.48m
End of Survey: F1.21
Invert Level: 1.52m
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 100
Start of Survey: F1.28 Leg 2
Invert Level: 1.48m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 101
Start of Survey: F1.28 Leg 3
Invert Level: 1.48m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 102
Start of Survey: F1.28 Leg 4
Invert Level: 1.48m
End of Survey: Restbend

Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 103
Start of Survey: F1.21
Invert Level: 1.52m
End of Survey: F1.22
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 104
Start of Survey: F1.21 Leg 1
Invert Level: 1.52m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 105
Start of Survey: F1.21 Leg 2
Invert Level: 1.52m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:

The survey identified no defects on this line

Recommended Repair:
None

Run 106
Start of Survey: F1.21 Leg 3
Invert Level: 1.52m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 107
Start of Survey: F1.22
Invert Level: 1.6m
End of Survey: F1.23 (Inaccessible)
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 108
Start of Survey: F1.22 Leg 1
Invert Level: 1.6m
End of Survey: F1.15 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 109

Start of Survey: F1.13
Invert Level: 1.4m
End of Survey: F1.15 (Inaccessible)
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 110
Start of Survey: F1.13 Leg 1
Invert Level: 1.4m
End of Survey: F1.12 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 111
Start of Survey: F1.13
Invert Level: 1.4m
End of Survey: F1.11 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified settled deposits from 2.9m through to the end of the line at 6.62m. This was removed from the line

Recommended Repair:
See Run 306

Run 112
Start of Survey: F1.4
Invert Level: 1.57m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC

Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 113
Start of Survey: F1.4 Leg 1
Invert Level: 1.57m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 114
Start of Survey: F1.4 Leg 2
Invert Level: 1.57m
End of Survey: F1.25
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 115
Start of Survey: F1.4
Invert Level: 1.57m
End of Survey: F1.6
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 116
Start of Survey: F1.4
Invert Level: 1.57m
End of Survey: F1.3
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 117
Start of Survey: F1.4 Leg 4
Invert Level: 1.57m
End of Survey: F1.24 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 118
Start of Survey: F1.6
Invert Level: 1.6m
End of Survey: F1.5 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 119
Start of Survey: F1.6
Invert Level: 1.6m
End of Survey: F1.9

Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 120
Start of Survey: F1.8
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 121
Start of Survey: F1.8 Leg 1
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 122
Start of Survey: F1.8
Invert Level: 1.2m
End of Survey: F1.9
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:

The survey identified no defects on this line

Recommended Repair:
None

Run 123
Start of Survey: F1.8 Leg 2
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 124
Start of Survey: F1.8 Leg 3
Invert Level: 1.2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 125
Start of Survey: F1.26 Leg 1
Invert Level: 0.96m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 126

Start of Survey: F1.26 Leg 2
Invert Level: 0.96m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 127
Start of Survey: F1.26
Invert Level: 0.96m
End of Survey: F1.3
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 128
Start of Survey: F1.0 Leg 1
Invert Level: 1m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 129
Start of Survey: F1.0
Invert Level: 1m
End of Survey: F1.1
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC

Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 130
Start of Survey: F1.0 Leg 2
Invert Level: 1m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 131
Start of Survey: F1.1 Leg 1
Invert Level: 1.3m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 132
Start of Survey: F1.1 Leg 2
Invert Level: 1.3m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 133
Start of Survey: F1.1
Invert Level: 1.3m
End of Survey: F1.2 (Inaccessible)
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 134
Start of Survey: F1.53
Invert Level: 2.5m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 135
Start of Survey: F1.53 Leg 1
Invert Level: 2.5m
End of Survey: F1.52
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 136
Start of Survey: F1.53
Invert Level: 2.5m
End of Survey: F1.54
Invert Level:

Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 137
Start of Survey: F1.53 Leg 2
Invert Level: 2.5m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 138
Start of Survey: F1.51
Invert Level: 2.08m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 139
Start of Survey: F1.51 Leg 1
Invert Level: 2.08m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 140
Start of Survey: F1.51
Invert Level: 2.08m
End of Survey: F1.52
Invert Level: 2.16m
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 141
Start of Survey: F1.52
Invert Level: 2.16m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 142
Start of Survey: F1.52 Leg 1
Invert Level: 2.16m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 143
Start of Survey: F1.54

Invert Level: 2.6m
End of Survey: F1.56
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 144
Start of Survey: S1.21B
Invert Level: 2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 145
Start of Survey: S1.21B Leg 1
Invert Level: 2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 146
Start of Survey: S1.21B
Invert Level: 2m
End of Survey: S1.21
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No

Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 147
Start of Survey: S1.21B Leg 2
Invert Level: 2m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 148
Start of Survey: S1.21 Leg 1
Invert Level: 1.94m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 149
Start of Survey: S1.21
Invert Level: 1.94m
End of Survey: S1.22
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 150
Start of Survey: F1.56
Invert Level: 1.3m
End of Survey: F1.27 (Inaccessible)
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 151
Start of Survey: F1.56 Leg 1
Invert Level: 1.3m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 152
Start of Survey: S1.22
Invert Level: 0.99m
End of Survey: S1.23
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 153
Start of Survey: S1.22 Leg 1
Invert Level: 0.99m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream

Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 154
Start of Survey: S1.23
Invert Level: 1.28m
End of Survey: S1.25 Hydrobrake MH
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 155
Start of Survey: S1.23 Leg 1
Invert Level: 1.28m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 156
Start of Survey: Site 2 Hopper 1
Invert Level:
End of Survey: F1.7 (Inaccessible)
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 157
Start of Survey: Site 2 Hopper 2
Invert Level:
End of Survey: S1.23-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 158
Start of Survey: Site 2 Hopper 3
Invert Level:
End of Survey: S1.23-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 159
Start of Survey: Site 2 Hopper 4
Invert Level:
End of Survey: S1.23-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 160
Start of Survey: Site 2 Hopper 5
Invert Level:

End of Survey: S1.23-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 161
Start of Survey: Site 2 Hopper 6
Invert Level:
End of Survey: Site 2 Hopper 5 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 162
Start of Survey: Site 2 Hopper 7
Invert Level:
End of Survey: F1.7 (Inaccessible)
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 163
Start of Survey: Site 2 Hopper 8
Invert Level:
End of Survey: S1.24-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water

CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 164
Start of Survey: Site 2 Hopper 9
Invert Level:
End of Survey: S1.24-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 165
Start of Survey: Site 2 Hopper 10
Invert Level:
End of Survey: F1.10 (Innaccessible)
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified concrete in the line. This line is linked to F1.10 Leg 4 (See Run 224)

Recommended Repair:
None

Run 166
Start of Survey: Site 2 Hopper 11
Invert Level:
End of Survey: S1.24-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 167
Start of Survey: Site 2 Hopper 12
Invert Level:
End of Survey: S1.24-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 168
Start of Survey: Site 2 Hopper 13
Invert Level:
End of Survey: S1.24-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 169
Start of Survey: Site 2 Hopper 14
Invert Level:
End of Survey: S1.24-S1.25 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 170
Start of Survey: Site 2 Hopper 15
Invert Level:
End of Survey: S1.24
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm

Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 171
Start of Survey: S1.24
Invert Level: 1.07m
End of Survey: S1.25 Hydrobrake MH
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 172
Start of Survey: S1.3
Invert Level: 1.7m
End of Survey: S1.4
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 300mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 173
Start of Survey: S1.3
Invert Level: 1.7m
End of Survey: S1.0A
Invert Level: 1.11m
Direction of Flow: Upstream
Pipe Diameter: 300mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:

None

Run 174
Start of Survey: F2.20A Leg 1
Invert Level: 2.23m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 175
Start of Survey: F2.20A Leg 2
Invert Level: 2.23m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 176
Start of Survey: F2.20A
Invert Level: 2.23m
End of Survey: F2.20
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 177
Start of Survey: S1.0A
Invert Level: 1.11m
End of Survey: S1.0 (Buried Under Concrete Inaccessible)

Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 300mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 178
Start of Survey: S1.0A Leg 1
Invert Level: 1.11m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 179
Start of Survey: F2.19
Invert Level: 1.45m
End of Survey: F2.20 (Innacessible Under Hoist)
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 180
Start of Survey: F2.19 Leg 1
Invert Level: 1.45m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:

The survey identified no defects on this line

Recommended Repair:
None

Run 181
Start of Survey: F2.19 Leg 2
Invert Level: 1.45m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 182
Start of Survey: F2.18
Invert Level: 1.25m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 183
Start of Survey: F2.18 Leg 1
Invert Level: 1.25m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 184

Start of Survey: F2.18 Leg 2
Invert Level: 1.25m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 185
Start of Survey: F2.18
Invert Level: 1.25m
End of Survey: F2.18A
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 186
Start of Survey: F2.18A Leg 1
Invert Level: 1.34m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 187
Start of Survey: F2.18A Leg 2
Invert Level: 1.34m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC

Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 188
Start of Survey: F2.18A
Invert Level: 1.34m
End of Survey: F2.18B
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 189
Start of Survey: F2.18B Leg 1
Invert Level: 1.42m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 190
Start of Survey: F2.18B Leg 2
Invert Level: 1.42m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 191
Start of Survey: F2.18B Leg 3
Invert Level: 1.42m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 192
Start of Survey: F2.18B
Invert Level: 1.42m
End of Survey: F2.19
Invert Level: 1.45m
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 193
Start of Survey: F2.14
Invert Level: 1m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 194
Start of Survey: F2.14 Leg 1
Invert Level: 1m
End of Survey: Restbend
Invert Level:

Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 195
Start of Survey: F2.14 Leg 2
Invert Level: 1m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 196
Start of Survey: F2.14
Invert Level: 1m
End of Survey: F2.14A
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 197
Start of Survey: F2.14 Leg 3
Invert Level: 1m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified standing water in the line from 1.31m to 1.6m

Recommended Repair:
None

Run 198
Start of Survey: F2.14A Leg 1
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 199
Start of Survey: F2.14A Leg 2
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 200
Start of Survey: F2.14A Leg 3
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 201
Start of Survey: F2.12

Invert Level: 1.96m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 202
Start of Survey: F2.12 Leg 1
Invert Level: 1.96m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 203
Start of Survey: F2.12 Leg 2
Invert Level: 1.96m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 204
Start of Survey: F2.12A
Invert Level: 1.76m
End of Survey: F2.12
Invert Level: 1.96m
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No

Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 205
Start of Survey: F2.12A
Invert Level: 1.76m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 206
Start of Survey: F2.12A Leg 1
Invert Level: 1.76m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 207
Start of Survey: F2.12A Leg 2
Invert Level: 1.76m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 208
Start of Survey: S1.28
Invert Level: 2.34m
End of Survey: S1.27
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 300mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 209
Start of Survey: S1.28
Invert Level: 2.34m
End of Survey: River
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 300mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 210
Start of Survey: S1.28
Invert Level: 2.34m
End of Survey: River (Reverse)
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 300mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 211
Start of Survey: F1.15
Invert Level: 1.52m
End of Survey: F1.14 (Inanncessible Concreted In)
Invert Level:
Direction of Flow: Upstream

Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 212
Start of Survey: F1.15 Leg 1
Invert Level: 1.52m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 213
Start of Survey: F1.15 Leg 2
Invert Level: 1.52m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 214
Start of Survey: F1.12
Invert Level: 1.18m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 215
Start of Survey: F1.12 Leg 1
Invert Level: 1.18m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 216
Start of Survey: F1.12 Leg 2
Invert Level: 1.18m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 217
Start of Survey: F1.12 Leg 3
Invert Level: 1.18m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 218
Start of Survey: F1.12 Leg 4
Invert Level: 1.18m

End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified debris in the line which was cleared

Recommended Repair:
See Run 219

Run 219
Start of Survey: F1.12 Leg 4
Invert Level: 1.18m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 220
Start of Survey: F1.10
Invert Level: 0.93m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified this line is capped off

Recommended Repair:
None

Run 221
Start of Survey: F1.10 Leg 1
Invert Level: 0.93m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul

CCTV Survey Result:
The survey identified concrete in the line at the restbend at 5m

Recommended Repair:
None

Run 222
Start of Survey: F1.10 Leg 2
Invert Level: 0.93m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 223
Start of Survey: F1.10
Invert Level: 0.93m
End of Survey: F1.11
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified concrete in the line which was removed

Recommended Repair:
See Run 305

Run 224
Start of Survey: F1.10 Leg 3
Invert Level: 0.93m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified concrete in the line causing the survey to be abandoned

Recommended Repair:
None

Run 225
Start of Survey: F1.10 Leg 4
Invert Level: 0.93m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified concrete in the line causing the survey to be abandoned

Recommended Repair:
None

Run 226
Start of Survey: F1.11
Invert Level: 1.33m
End of Survey: F1.9
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified concrete in the line which was removed

Recommended Repair:
See 304

Run 227
Start of Survey: F1.11
Invert Level: 1.33m
End of Survey: F1.13
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified concrete in the line which was removed

Recommended Repair:
See 306

Run 228
Start of Survey: F1.27
Invert Level: 0.85m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm

Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 229
Start of Survey: F1.27 Leg 1
Invert Level: 0.85m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 230
Start of Survey: F1.27
Invert Level: 0.85m
End of Survey: F1.25
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 231
Start of Survey: F1.25 Leg 1
Invert Level: 0.97m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:

None

Run 232
Start of Survey: F1.25 Leg 2
Invert Level: 0.97m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 233
Start of Survey: F1.5
Invert Level: 1.28m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 234
Start of Survey: F1.5 Leg 1
Invert Level: 1.28m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 235
Start of Survey: F1.7
Invert Level: 1.27m
End of Survey: Carrier F1.8-F1.11

Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 236
Start of Survey: F1.7
Invert Level: 1.27m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 237
Start of Survey: F1.7 Leg 1
Invert Level: 1.27m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 238
Start of Survey: F1.7 Leg 2
Invert Level: 1.27m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:

The survey identified no defects on this line

Recommended Repair:
None

Run 239
Start of Survey: F1.24 Leg 1
Invert Level: 1.5m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 240
Start of Survey: F1.24 Leg 2
Invert Level: 1.5m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 241
Start of Survey: F1.24 Leg 3
Invert Level: 1.5m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 242

Start of Survey: F1.3
Invert Level: 1.43m
End of Survey: F1.2
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 243
Start of Survey: F1.3 Leg 1
Invert Level: 1.43m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 244
Start of Survey: F1.3 Leg 2
Invert Level: 1.43m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 245
Start of Survey: F1.2 Leg 1
Invert Level: 1.16m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC

Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 246
Start of Survey: F1.14
Invert Level: 1.29m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 247
Start of Survey: F1.14 Leg 1
Invert Level: 1.29m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 248
Start of Survey: F1.14 Leg 2
Invert Level: 1.29m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 249
Start of Survey: F1.14 Leg 3
Invert Level: 1.29m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 250
Start of Survey: F1.14 Leg 4
Invert Level: 1.29m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 251
Start of Survey: F1.18
Invert Level: 0.97m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 252
Start of Survey: F1.18 Leg 1
Invert Level: 0.97m
End of Survey: Restbend
Invert Level:

Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 253
Start of Survey: F1.18
Invert Level: 0.97m
End of Survey: F1.19
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 254
Start of Survey: F1.18 Leg 2
Invert Level: 0.97m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 255
Start of Survey: F1.19
Invert Level: 1.47m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 256
Start of Survey: F1.16 Leg 1
Invert Level: 1.55m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 257
Start of Survey: F1.16 Leg 2
Invert Level: 1.55m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 258
Start of Survey: F1.16 Leg 3
Invert Level: 1.55m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 259

Start of Survey: F1.16 Leg 4
Invert Level: 1.55m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 260
Start of Survey: Site 2 Hopper 16
Invert Level:
End of Survey: S1.13
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 261
Start of Survey: S1.13
Invert Level: 1.32m
End of Survey: S1.14
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 262
Start of Survey: S1.13
Invert Level: 1.32m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC

Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 263
Start of Survey: S1.13 Leg 1
Invert Level: 1.32m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 264
Start of Survey: S1.15
Invert Level: 1.32m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 265
Start of Survey: S1.15 Leg 1
Invert Level: 1.32m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 266
Start of Survey: S1.15
Invert Level: 1.32m
End of Survey: S1.17
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 267
Start of Survey: S1.29
Invert Level: 1.07m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 268
Start of Survey: S1.29 Leg 1
Invert Level: 1.07m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 269
Start of Survey: S1.29
Invert Level: 1.07m
End of Survey: S1.14
Invert Level:

Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 270
Start of Survey: S1.14
Invert Level: 1.20m
End of Survey: S1.17
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 271
Start of Survey: S1.16
Invert Level: 1.11m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 272
Start of Survey: S1.16 Leg 1
Invert Level: 1.11m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 273
Start of Survey: S1.16
Invert Level: 1.11m
End of Survey: S1.17
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 274
Start of Survey: S1.17 Leg 1
Invert Level: 2.18m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 275
Start of Survey: S1.17 Leg 2
Invert Level: 2.18m
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 276
Start of Survey: S1.17

Invert Level: 2.18m
End of Survey: Attenuation Tank
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 277
Start of Survey: S1.19
Invert Level:
End of Survey: S1.18
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 278
Start of Survey: S1.19 Leg 1
Invert Level:
End of Survey: Attenuation Tank
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 279
Start of Survey: S1.19
Invert Level:
End of Survey: S1.20
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No

Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 280
Start of Survey: S1.19 Leg 2
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 281
Start of Survey: S1.20 Leg 1
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 282
Start of Survey: S1.20
Invert Level:
End of Survey: S1.25
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 300mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 283
Start of Survey: S1.21A
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 284
Start of Survey: S1.21A
Invert Level:
End of Survey: Capped
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 285
Start of Survey: S1.4A Leg 1
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 286
Start of Survey: S1.4A Leg 2
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream

Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 287
Start of Survey: S1.4A Leg 3
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 288
Start of Survey: S1.4A Leg 4
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 289
Start of Survey: S1.7
Invert Level:
End of Survey: Attenuation Tank
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 300mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 290
Start of Survey: S1.5
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 291
Start of Survey: S1.5 Leg 1
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 292
Start of Survey: S1.5
Invert Level:
End of Survey: S1.7
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 293
Start of Survey: S1.5 Leg 2
Invert Level:

End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 294
Start of Survey: S1.7A
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 295
Start of Survey: S1.7A Leg 1
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 296
Start of Survey: S1.7A
Invert Level:
End of Survey: Attenuation Tank
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water

CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 297
Start of Survey: F2.10B
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 298
Start of Survey: F2.10B Leg 1
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 299
Start of Survey: F2.10B Leg 2
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 100mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 300
Start of Survey: S1.8
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 301
Start of Survey: S1.8 Leg 1
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 302
Start of Survey: S1.8
Invert Level:
End of Survey: S1.7-S1.29 Carrier
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 150mm
Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 303
Start of Survey: S1.8 Leg 2
Invert Level:
End of Survey: Restbend
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 150mm

Pipe Material: PVC
Drain Trace: No
Duty: Surface Water
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 304
Start of Survey: F1.11
Invert Level:
End of Survey: F1.9
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 305
Start of Survey: F1.11 Leg 1
Invert Level:
End of Survey: F1.10
Invert Level:
Direction of Flow: Upstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:
None

Run 306
Start of Survey: F1.11
Invert Level:
End of Survey: F1.13
Invert Level:
Direction of Flow: Downstream
Pipe Diameter: 225mm
Pipe Material: PVC
Drain Trace: No
Duty: Foul
CCTV Survey Result:
The survey identified no defects on this line

Recommended Repair:

None

Best regards

Carl Pendleton
Operations Director

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Property: Front Elevation - *Front of Site*

BUXTONWATER

Report Summary

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Job Information

Total Distance Surveyed: **1452.01 meters**
Engineer: **DAV McLAUGHLIN**
Number of Surveys: **306**
Number of Surveys grade 4 or above: **0**

Section 1 Overview (12/09/2023)

Manholes: **S1.9 to UNKNOWN**
Pipe Length: **1.38 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 2 Overview (12/09/2023)

Manholes: **S1.9 to S1.10**
Pipe Length: **10.45 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 3 Overview (12/09/2023)

Manholes: **HOPPER 1 to S1.9 - S1.10 CARRIER**
Pipe Length: **1.81 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 4 Overview (12/09/2023)

Manholes: **S1.10 to DROPSHAFT FOR S1.12**
Pipe Length: **13.4 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 5 Overview (12/09/2023)

Manholes: **S1.10 LEG1 to UNKNOWN**
Pipe Length: **4.71 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 6 Overview (12/09/2023)

Manholes: **S1.10 LEG2 to UNKNOWN**
Pipe Length: **2.86 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 7 Overview (12/09/2023)

Manholes: **HOPPER 2 to S1.10 - S1.12 CARRIER**
Pipe Length: **3.31 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 8 Overview (12/09/2023)

Manholes: **HOPPER 3 to S1.10 - S1.12 CARRIER**
Pipe Length: **2.38 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 9 Overview (12/09/2023)

Manholes: **HOPPER 4 to S1.10 - S1.12 CARRIER**
Pipe Length: **2 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 10 Overview (12/09/2023)

Manholes: **S1.11 to UNKNOWN**
Pipe Length: **9.14 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 11 Overview (12/09/2023)

Manholes: **S1.11 to DROPSHAFT FOR S1.12**
Pipe Length: **22.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 12 Overview (12/09/2023)

Manholes: **HOPPER 6 to S1.11 - S1.12 CARRIER**
Pipe Length: **2.05 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 13 Overview (12/09/2023)

Manholes: **HOPPER 7 to S1.11 - S1.12 CARRIER**
Pipe Length: **2.02 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 14 Overview (12/09/2023)

Manholes: **HOPPER 8 to S1.11 - S1.12 CARRIER**
Pipe Length: **2.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 15 Overview (12/09/2023)

Manholes: **HOPPER 9 to S1.11 - S1.12 CARRIER**
Pipe Length: **3.17 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 16 Overview (12/09/2023)

Manholes: **HOPPER 10 to S1.11 - S1.12 CARRIER**
Pipe Length: **2.29 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 17 Overview (12/09/2023)

Manholes: **HOPPER 11 to S1.11 - S1.12 CARRIER**
Pipe Length: **3.17 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 18 Overview (12/09/2023)

Manholes: **HOPPER 12 to S1.11 - S1.12 CARRIER**
Pipe Length: **2.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 19 Overview (12/09/2023)

Manholes: **HOPPER 13 to S1.11 - S1.12 CARRIER**
Pipe Length: **2.05 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 20 Overview (13/09/2023)

Manholes: **F2.0 to UNKNOWN**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 21 Overview (13/09/2023)

Manholes: **F2.0 LEG1 to RESTBEND**
Pipe Length: **7.12 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 22 Overview (13/09/2023)

Manholes: **F2.0 LEG2 to UNKNOWN**
Pipe Length: **0.12 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 23 Overview (13/09/2023)

Manholes: **F2.0 to F2.1**
Pipe Length: **5.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 24 Overview (13/09/2023)

Manholes: **F2.1 LEG1 to RESTBEND**
Pipe Length: **6.1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 25 Overview (13/09/2023)

Manholes: **F2.1LEG2 to RESTBEND**
Pipe Length: **5.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 26 Overview (13/09/2023)

Manholes: **F2.1 to F2.2**
Pipe Length: **4.19 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 27 Overview (13/09/2023)

Manholes: **F2.2 LEG1 to RESTBEND**
Pipe Length: **6.38 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 28 Overview (13/09/2023)

Manholes: **F2.2 LEG2 to RESTBEND**
Pipe Length: **0.1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 29 Overview (13/09/2023)

Manholes: **F2.2 to F2.3**
Pipe Length: **2.86 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 30 Overview (13/09/2023)

Manholes: **F2.3 LEG1 to RESTBEND**
Pipe Length: **9.05 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 31 Overview (13/09/2023)

Manholes: **F2.3 LEG2 to RESTBEND**
Pipe Length: **9.02 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 32 Overview (13/09/2023)

Manholes: **F2.3 to F2.8**
Pipe Length: **8.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 33 Overview (13/09/2023)

Manholes: **F2.5 to F2.7**
Pipe Length: **5.43 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 34 Overview (13/09/2023)

Manholes: **F2.7 to F2.8**
Pipe Length: **6.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 35 Overview (13/09/2023)

Manholes: **F2.4 to F2.5**
Pipe Length: **4.43 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 36 Overview (13/09/2023)

Manholes: **F2.4 to RESTBEND**
Pipe Length: **3.98 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 37 Overview (13/09/2023)

Manholes: **F2.4 LEG1 to RESTBEND**
Pipe Length: **2.71 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 38 Overview (13/09/2023)

Manholes: **F2.4 LEG2 to RESTBEND**
Pipe Length: **1.76 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 39 Overview (13/09/2023)

Manholes: **F2.4 LEG3 to RESTBEND**
Pipe Length: **2.24 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 40 Overview (13/09/2023)

Manholes: **F2.6A to RESTBEND**
Pipe Length: **4.14 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 41 Overview (13/09/2023)

Manholes: **F2.6A LEG1 to RESTBEND**
Pipe Length: **3.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 42 Overview (13/09/2023)

Manholes: **F2.6A LEG2 to RESTBEND**
Pipe Length: **1.43 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 43 Overview (13/09/2023)

Manholes: **F2.6A to F2.6**
Pipe Length: **0.9 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 44 Overview (13/09/2023)

Manholes: **F2.6A LEG3 to RESTBEND**
Pipe Length: **5.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 45 Overview (13/09/2023)

Manholes: **F2.6A LEG4 to RESTBEND**
Pipe Length: **5.52 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 46 Overview (13/09/2023)

Manholes: **F2.6 LEG1 to RESTBEND**
Pipe Length: **2.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 47 Overview (13/09/2023)

Manholes: **F2.6 LEG2 to RESTBEND**
Pipe Length: **2.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 48 Overview (13/09/2023)

Manholes: **F2.6 to F2.7**
Pipe Length: **2.52 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 49 Overview (13/09/2023)

Manholes: **F2.9 to F2.11**
Pipe Length: **3.79 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 50 Overview (13/09/2023)

Manholes: **F2.11 to F2.8**
Pipe Length: **4.02 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 51 Overview (13/09/2023)

Manholes: **F2.9 LEG1 to RESTBEND**
Pipe Length: **3.57 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 52 Overview (13/09/2023)

Manholes: **F2.9 LEG2 to RESTBEND**
Pipe Length: **3.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 53 Overview (13/09/2023)

Manholes: **F2.9 LEG3 to RESTBEND**
Pipe Length: **2.98 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 54 Overview (13/09/2023)

Manholes: **F2.9 LEG4 to RESTBEND**
Pipe Length: **1.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 55 Overview (13/09/2023)

Manholes: **F2.9 LEG5 to RESTBEND**
Pipe Length: **0.98 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 56 Overview (13/09/2023)

Manholes: **F2.9 LEG6 to RESTBEND**
Pipe Length: **1.5 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 57 Overview (13/09/2023)

Manholes: **F2.10A to F2.10B**
Pipe Length: **6.05 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 58 Overview (13/09/2023)

Manholes: **F2.10A LEG1 to RESTBEND**
Pipe Length: **0.62 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 59 Overview (13/09/2023)

Manholes: **F2.10A to F2.10**
Pipe Length: **3.86 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 60 Overview (13/09/2023)

Manholes: **F2.16A LEG1 to RESTBEND**
Pipe Length: **4.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 61 Overview (13/09/2023)

Manholes: **F2.16A LEG2 to RESTBEND**
Pipe Length: **1.19 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 62 Overview (13/09/2023)

Manholes: **F2.16A to F2.16**
Pipe Length: **5.02 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 63 Overview (13/09/2023)

Manholes: **F2.16 to F2.17**
Pipe Length: **10.88 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 64 Overview (13/09/2023)

Manholes: **F2.16 LEG1 to F2.15**
Pipe Length: **2.14 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 65 Overview (13/09/2023)

Manholes: **F2.16 LEG2 to RESTBEND**
Pipe Length: **5.79 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 66 Overview (14/09/2023)

Manholes: **F2.16B to RESTBEND**
Pipe Length: **1.21 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 67 Overview (14/09/2023)

Manholes: **F2.16B to F2.16 - F2.17 CARRIER**
Pipe Length: **1.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 68 Overview (14/09/2023)

Manholes: **F2.16B LEG1 to RESTBEND**
Pipe Length: **3.79 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 69 Overview (14/09/2023)

Manholes: **F2.16B LEG2 to RESTBEND**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 70 Overview (14/09/2023)

Manholes: **F2.17 to F2.20A**
Pipe Length: **13.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Foul**

Section 71 Overview (14/09/2023)

Manholes: **F2.17 LEG1 to RESTBEND**
Pipe Length: **1.9 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 72 Overview (14/09/2023)

Manholes: **F2.17A LEG1 to RESTBEND**
Pipe Length: **1.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 73 Overview (14/09/2023)

Manholes: **F2.17A to F2.17-F2.20A CARRIER**
Pipe Length: **2.07 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 74 Overview (14/09/2023)

Manholes: **F2.17A LEG2 to RESTBEND**
Pipe Length: **0.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 75 Overview (14/09/2023)

Manholes: **F2.17A LEG3 to RESTBEND**
Pipe Length: **4.17 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 76 Overview (14/09/2023)

Manholes: **F2.10 to F2.11**
Pipe Length: **3.4 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 77 Overview (14/09/2023)

Manholes: **F2.10 LEG1 to RESTBEND**
Pipe Length: **4.14 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 78 Overview (14/09/2023)

Manholes: **F2.10 LEG2 to UNKNOWN**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 79 Overview (14/09/2023)

Manholes: **F2.10 LEG3 to RESTBEND**
Pipe Length: **2.62 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 80 Overview (14/09/2023)

Manholes: **F2.11 to F2.13**
Pipe Length: **10.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 81 Overview (14/09/2023)

Manholes: **F2.13 to F2.16**
Pipe Length: **8.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 82 Overview (14/09/2023)

Manholes: **F2.13 LEG1 to RESTBEND**
Pipe Length: **0.9 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 83 Overview (14/09/2023)

Manholes: **F2.13 to F2.12 (INACCESSIBLE)**
Pipe Length: **7.24 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 84 Overview (14/09/2023)

Manholes: **F2.15 to F2.14A (INACCESSIBLE)**
Pipe Length: **3.14 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 85 Overview (14/09/2023)

Manholes: **F2.15 LEG1 to RESTBEND**
Pipe Length: **3.31 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 86 Overview (14/09/2023)

Manholes: **F2.15 LEG2 to RESTBEND**
Pipe Length: **0.38 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 87 Overview (14/09/2023)

Manholes: **S1.2 to S1.1 (INACCESSIBLE)**
Pipe Length: **2.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 88 Overview (14/09/2023)

Manholes: **S1.2 to S1.2A**
Pipe Length: **6.05 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 89 Overview (14/09/2023)

Manholes: **S1.2 LEG1 to RESTBEND**
Pipe Length: **1.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 90 Overview (14/09/2023)

Manholes: **S1.2A to S1.3 (INACCESSIBLE)**
Pipe Length: **8.93 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 91 Overview (15/09/2023)

Manholes: **F1.17 to F1.16 (INACCESSIBLE)**
Pipe Length: **4.24 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 92 Overview (15/09/2023)

Manholes: **F1.17 LEG1 to RESTBEND**
Pipe Length: **5 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 93 Overview (15/09/2023)

Manholes: **F1.17 LEG2 to RESTBEND**
Pipe Length: **1.17 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 94 Overview (15/09/2023)

Manholes: **F1.17 to F1.28**
Pipe Length: **14.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 95 Overview (15/09/2023)

Manholes: **F1.17 LEG3 to RESTBEND**
Pipe Length: **5.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 96 Overview (15/09/2023)

Manholes: **F1.17 LEG4 to RESTBEND**
Pipe Length: **2.14 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 97 Overview (15/09/2023)

Manholes: **F1.17 LEG5 to RESTBEND**
Pipe Length: **1.38 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 98 Overview (15/09/2023)

Manholes: **F1.28 LEG1 to F1.19 (INACCESSIBLE)**
Pipe Length: **4.52 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 99 Overview (15/09/2023)

Manholes: **F1.28 to F1.21**
Pipe Length: **4.17 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 100 Overview (15/09/2023)

Manholes: **F1.28 LEG2 to RESTBEND**
Pipe Length: **9.29 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 101 Overview (15/09/2023)

Manholes: **F1.28 LEG3 to RESTBEND**
Pipe Length: **6.21 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 102 Overview (15/09/2023)

Manholes: **F1.28 LEG4 to RESTBEND**
Pipe Length: **11.5 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 103 Overview (15/09/2023)

Manholes: **F1.21 to F1.22**
Pipe Length: **4.29 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 104 Overview (15/09/2023)

Manholes: **F1.21 LEG 1 to RESTBEND**
Pipe Length: **1.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 105 Overview (15/09/2023)

Manholes: **F1.21 LEG2 to RESTBEND**
Pipe Length: **5.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 106 Overview (15/09/2023)

Manholes: **F1.21 LEG3 to RESTBEND**
Pipe Length: **5.38 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 107 Overview (15/09/2023)

Manholes: **F1.22 to F1.23 (INACCESSIBLE)**
Pipe Length: **11.31 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 108 Overview (15/09/2023)

Manholes: **F1.22 LEG1 to F1.15 (INACCESSIBLE)**
Pipe Length: **0.48 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 109 Overview (15/09/2023)

Manholes: **F1.13 to F1.15 (INACCESSIBLE)**
Pipe Length: **5.57 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 110 Overview (15/09/2023)

Manholes: **F1.13 LEG1 to F1.12 (INACCESSIBLE)**
Pipe Length: **3.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 111 Overview (15/09/2023)

Manholes: **F1.13 to F1.11 (INACCESSIBLE)**
Pipe Length: **6.62 metres**
Structural Grade: **0**
Service Grade: **4**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 112 Overview (15/09/2023)

Manholes: **F1.4 to RESTBEND**
Pipe Length: **3.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 113 Overview (15/09/2023)

Manholes: **F1.4 LEG1 to RESTBEND**
Pipe Length: **3.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 114 Overview (15/09/2023)

Manholes: **F1.4 LEG2 to F1.25**
Pipe Length: **3.43 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 115 Overview (15/09/2023)

Manholes: **F1.4 to F1.6**
Pipe Length: **1.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 116 Overview (15/09/2023)

Manholes: **F1.4 LEG3 to F1.3**
Pipe Length: **6.5 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 117 Overview (15/09/2023)

Manholes: **F1.4 LEG4 to F.1.24 (INACCESSIBLE)**
Pipe Length: **1.45 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 118 Overview (15/09/2023)

Manholes: **F1.6 to F1.5 (INACCESSIBLE)**
Pipe Length: **2.12 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 119 Overview (15/09/2023)

Manholes: **F1.6 to F1.9**
Pipe Length: **12.33 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 120 Overview (15/09/2023)

Manholes: **F1.8 to RESTBEND**
Pipe Length: **6.45 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 121 Overview (15/09/2023)

Manholes: **F1.8 LEG1 to RESTBEND**
Pipe Length: **3.45 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 122 Overview (15/09/2023)

Manholes: **F1.8 to F1.9**
Pipe Length: **0.86 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 123 Overview (15/09/2023)

Manholes: **F1.8 LEG2 to RESTBEND**
Pipe Length: **3.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 124 Overview (15/09/2023)

Manholes: **F1.8 LEG3 to RESTBEND**
Pipe Length: **5.57 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 125 Overview (15/09/2023)

Manholes: **F1.26 LEG1 to RESTBEND**
Pipe Length: **3.95 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 126 Overview (15/09/2023)

Manholes: **F1.26 LEG2 to RESTBEND**
Pipe Length: **0.45 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 127 Overview (15/09/2023)

Manholes: **F1.26 to F1.3**
Pipe Length: **8.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 128 Overview (15/09/2023)

Manholes: **F1.0 LEG1 to RESTBEND**
Pipe Length: **6.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 129 Overview (15/09/2023)

Manholes: **F1.0 to F1.1**
Pipe Length: **9.1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 130 Overview (15/09/2023)

Manholes: **F1.0 LEG2 to RESTBEND**
Pipe Length: **3.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 131 Overview (15/09/2023)

Manholes: **F1.1 LEG1 to RESTBEND**
Pipe Length: **1.48 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 132 Overview (15/09/2023)

Manholes: **F1.1 LEG2 to RESTBEND**
Pipe Length: **4.1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 133 Overview (15/09/2023)

Manholes: **F1.1 to F1.2 (INACCESSIBLE)**
Pipe Length: **11.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 134 Overview (15/09/2023)

Manholes: **F1.53 to RESTBEND**
Pipe Length: **2 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 135 Overview (15/09/2023)

Manholes: **F1.53 LEG1 to F1.52**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 136 Overview (15/09/2023)

Manholes: **F1.53 to F1.54**
Pipe Length: **3.76 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 137 Overview (15/09/2023)

Manholes: **F1.53 LEG2 to RESTBEND**
Pipe Length: **8.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 138 Overview (15/09/2023)

Manholes: **F1.51 to RESTBEND**
Pipe Length: **0.5 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 139 Overview (15/09/2023)

Manholes: **F1.51 LEG1 to RESTBEND**
Pipe Length: **4.57 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 140 Overview (15/09/2023)

Manholes: **F1.51 to F1.52**
Pipe Length: **0.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 141 Overview (15/09/2023)

Manholes: **F1.52 to RESTBEND**
Pipe Length: **0.12 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 142 Overview (15/09/2023)

Manholes: **F1.52 LEG1 to RESTBEND**
Pipe Length: **5.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 143 Overview (15/09/2023)

Manholes: **F1.54 to F1.56**
Pipe Length: **9.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 144 Overview (15/09/2023)

Manholes: **S1.21B to RESTBEND**
Pipe Length: **15.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 145 Overview (15/09/2023)

Manholes: **S1.21B LEG1 to RESTBEND**
Pipe Length: **3.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 146 Overview (15/09/2023)

Manholes: **S1.21B to S1.21**
Pipe Length: **15.12 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 147 Overview (15/09/2023)

Manholes: **S1.21B LEG2 to RESTBEND**
Pipe Length: **11.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 148 Overview (15/09/2023)

Manholes: **S1.21 LEG1 to RESTBEND**
Pipe Length: **0.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 149 Overview (15/09/2023)

Manholes: **S1.21 to S1.22**
Pipe Length: **4.62 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 150 Overview (18/09/2023)

Manholes: **F1.56 to F1.27 (INACCESSIBLE)**
Pipe Length: **7.86 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 151 Overview (18/09/2023)

Manholes: **F1.56 LEG1 to RESTBEND**
Pipe Length: **3.5 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 152 Overview (18/09/2023)

Manholes: **S1.22 to S1.23**
Pipe Length: **7.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 153 Overview (18/09/2023)

Manholes: **S1.22 LEG1 to RESTBEND**
Pipe Length: **4.38 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 154 Overview (18/09/2023)

Manholes: **S1.23 to S1.25 HYDROBRAKE MH**
Pipe Length: **26.93 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 155 Overview (18/09/2023)

Manholes: **S1.23 LEG1 to RESTBEND**
Pipe Length: **4.48 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 156 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 1 to F1.7 (INACCESIBLE)**
Pipe Length: **5.86 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 157 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 2 to S1.23 - S1.25 CARRIER**
Pipe Length: **7.19 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 158 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 3 to S1.23 - S1.25 CARRIER**
Pipe Length: **3.19 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 159 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 4 to S1.23 - S1.25 CARRIER**
Pipe Length: **3.24 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 160 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 5 to S1.23 - S1.25 CARRIER**
Pipe Length: **4.1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 161 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 6 to SITE 2 HOPPER 5 CARRIER**
Pipe Length: **2.93 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 162 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 7 to F1.7 (INACCESIBLE)**
Pipe Length: **4.62 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 163 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 8 to S1.24 - S1.25 CARRIER**
Pipe Length: **3.21 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 164 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 9 to S1.24 - S1.25 CARRIER**
Pipe Length: **3.1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 165 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 10 to F1.10 (INACCESSIBLE)**
Pipe Length: **7.43 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 166 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 11 to S1.24 - S1.25 CARRIER**
Pipe Length: **3.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 167 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 12 to S1.24 - S1.25 CARRIER**
Pipe Length: **3.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 168 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 13 to S1.24 - S1.25 CARRIER**
Pipe Length: **3.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 169 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 14 to S1.24 - S1.25 CARRIER**
Pipe Length: **3.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 170 Overview (18/09/2023)

Manholes: **SITE 2 HOPPER 15 to S1.24**
Pipe Length: **4.1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 171 Overview (18/09/2023)

Manholes: **S1.24 to S1.25 HYDROBRAKE MH**
Pipe Length: **17.17 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 172 Overview (27/10/2023)

Manholes: **S1.3 to S1.4**
Pipe Length: **31.57 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Section 173 Overview (27/10/2023)

Manholes: **S1.3 to S1.0A**
Pipe Length: **5.81 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 174 Overview (27/10/2023)

Manholes: **F2.20A LEG 1 to RESTBEND**
Pipe Length: **9.07 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 175 Overview (27/10/2023)

Manholes: **F2.20A LEG 2 to RESTBEND**
Pipe Length: **3.5 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 176 Overview (27/10/2023)

Manholes: **F2.20A to F2.20**
Pipe Length: **4.4 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 177 Overview (27/10/2023)

Manholes: **S1.0A to S1.0 (BURIED UNDER CONCRETE INACCESIBLE)**
Pipe Length: **2.48 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Section 178 Overview (27/10/2023)

Manholes: **S1.0A LEG 1 to RESTBEND**
Pipe Length: **10.24 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 179 Overview (27/10/2023)

Manholes: **F2.19 to F2.20 (INACCESSIBLE UNDER HOIST)**
Pipe Length: **15.31 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 180 Overview (27/10/2023)

Manholes: **F2.19 LEG1 to RESTBEND**
Pipe Length: **1.88 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 181 Overview (27/10/2023)

Manholes: **F2.19 LEG2 to RESTBEND**
Pipe Length: **3.57 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 182 Overview (27/10/2023)

Manholes: **F2.18 to RESTBEND**
Pipe Length: **4.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 183 Overview (27/10/2023)

Manholes: **F2.18 LEG 1 to RESTBEND**
Pipe Length: **1.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 184 Overview (27/10/2023)

Manholes: **F2.18 LEG 2 to RESTBEND**
Pipe Length: **3.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 185 Overview (27/10/2023)

Manholes: **F2.18 to F2.18A**
Pipe Length: **1.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 186 Overview (27/10/2023)

Manholes: **F2.18A LEG 1 to RESTBEND**
Pipe Length: **2.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 187 Overview (27/10/2023)

Manholes: **F2.18A LEG 2 to RESTBEND**
Pipe Length: **0.95 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 188 Overview (27/10/2023)

Manholes: **F2.18A to F2.18B**
Pipe Length: **2.12 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 189 Overview (27/10/2023)

Manholes: **F2.18B LEG 1 to RESTBEND**
Pipe Length: **1.93 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 190 Overview (27/10/2023)

Manholes: **F2.18B LEG 2 to RESTBEND**
Pipe Length: **6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 191 Overview (27/10/2023)

Manholes: **F2.18B LEG 3 to RESTBEND**
Pipe Length: **2.62 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 192 Overview (27/10/2023)

Manholes: **F2.18B to F2.19**
Pipe Length: **0.9 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 193 Overview (27/10/2023)

Manholes: **F2.14 to RESTBEND**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 194 Overview (27/10/2023)

Manholes: **F2.14 LEG 1 to RESTBEND**
Pipe Length: **2.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 195 Overview (27/10/2023)

Manholes: **F2.14 LEG 2 to RESTBEND**
Pipe Length: **1.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 196 Overview (27/10/2023)

Manholes: **F2.14 to F2.14A**
Pipe Length: **1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 197 Overview (27/10/2023)

Manholes: **F2.14 LEG 3 to RESTBEND**
Pipe Length: **3.24 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 198 Overview (27/10/2023)

Manholes: **F2.14A LEG 1 to RESTBEND**
Pipe Length: **0.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 199 Overview (27/10/2023)

Manholes: **F2.14A LEG 2 to RESTBEND**
Pipe Length: **0.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 200 Overview (27/10/2023)

Manholes: **F2.14A LEG 3 to RESTBEND**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 201 Overview (27/10/2023)

Manholes: **F2.12 to RESTBEND**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 202 Overview (27/10/2023)

Manholes: **F2.12 LEG 1 to RESTBEND**
Pipe Length: **1.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 203 Overview (27/10/2023)

Manholes: **F2.12 LEG 2 to RESTBEND**
Pipe Length: **2.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 204 Overview (27/10/2023)

Manholes: **F2.12A to F2.12**
Pipe Length: **4.19 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 205 Overview (27/10/2023)

Manholes: **F2.12A to RESTBEND**
Pipe Length: **6.86 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 206 Overview (27/10/2023)

Manholes: **F2.12A LEG 1 to RESTBEND**
Pipe Length: **1.21 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 207 Overview (27/10/2023)

Manholes: **F2.12A LEG 2 to RESTBEND**
Pipe Length: **2.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 208 Overview (27/10/2023)

Manholes: **S1.28 to S1.27**
Pipe Length: **9.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Section 209 Overview (27/10/2023)

Manholes: **S1.28 to RIVER**
Pipe Length: **14.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 210 Overview (27/10/2023)

Manholes: **S1.28 to RIVER**
Pipe Length: **19.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Section 211 Overview (30/10/2023)

Manholes: **F1.15 to F1.14**
(INACCESSIBLE CONCRETED IN)
Pipe Length: **7 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 212 Overview (30/10/2023)

Manholes: **F1.15 LEG 1 to**
RESTBEND
Pipe Length: **11.02 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 213 Overview (30/10/2023)

Manholes: **F1.15 LEG 2 to**
RESTBEND
Pipe Length: **4.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 214 Overview (30/10/2023)

Manholes: **F1.12 to RESTBEND**
Pipe Length: **6.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 215 Overview (30/10/2023)

Manholes: **F1.12 LEG 1 to**
RESTBEND
Pipe Length: **4.95 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 216 Overview (30/10/2023)

Manholes: **F1.12 LEG 2 to RESTBEND**
Pipe Length: **5.98 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 217 Overview (30/10/2023)

Manholes: **F1.12 LEG 3 to RESTBEND**
Pipe Length: **4.07 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 218 Overview (30/10/2023)

Manholes: **F1.12 LEG 4 to RESTBEND**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 219 Overview (30/10/2023)

Manholes: **F1.12 LEG 4 to RESTBEND**
Pipe Length: **4.1 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 220 Overview (30/10/2023)

Manholes: **F1.10 to RESTBEND**
Pipe Length: **0.05 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 221 Overview (30/10/2023)

Manholes: **F1.10 LEG 1 to RESTBEND**
Pipe Length: **4.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 222 Overview (30/10/2023)

Manholes: **F1.10 LEG 2 to RESTBEND**
Pipe Length: **4.12 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 223 Overview (30/10/2023)

Manholes: **F1.10 to F1.11**
Pipe Length: **3.1 metres**
Structural Grade: **0**
Service Grade: **4**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 224 Overview (30/10/2023)

Manholes: **F1.10 LEG 3 to RESTBEND**
Pipe Length: **0.1 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 225 Overview (30/10/2023)

Manholes: **F1.10 LEG 4 to RESTBEND**
Pipe Length: **0.02 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 226 Overview (30/10/2023)

Manholes: **F1.11 to F1.9**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 227 Overview (30/10/2023)

Manholes: **F1.11 to F1.13**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **5**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 228 Overview (30/10/2023)

Manholes: **F1.27 to RESTBEND**
Pipe Length: **0.48 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 229 Overview (30/10/2023)

Manholes: **F1.27 LEG 1 to RESTBEND**
Pipe Length: **5.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 230 Overview (30/10/2023)

Manholes: **F1.27 to F1.25**
Pipe Length: **8.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 231 Overview (30/10/2023)

Manholes: **F1.25 LEG 1 to RESTBEND**
Pipe Length: **6.12 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 232 Overview (30/10/2023)

Manholes: **F1.25 LEG 2 to RESTBEND**
Pipe Length: **5.79 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 233 Overview (30/10/2023)

Manholes: **F1.5 to RESTBEND**
Pipe Length: **2.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 234 Overview (30/10/2023)

Manholes: **F1.5 LEG 1 to RESTBEND**
Pipe Length: **1.79 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 235 Overview (30/10/2023)

Manholes: **F1.7 to CARRIER F1.8 - F1.11**
Pipe Length: **0.6 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 236 Overview (30/10/2023)

Manholes: **F1.7 to RESTBEND**
Pipe Length: **3.07 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 237 Overview (30/10/2023)

Manholes: **F1.7 LEG 1 to RESTBEND**
Pipe Length: **3.02 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 238 Overview (30/10/2023)

Manholes: **F1.7 LEG 2 to RESTBEND**
Pipe Length: **4.98 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 239 Overview (30/10/2023)

Manholes: **F1.24 LEG 1 to RESTBEND**
Pipe Length: **0.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 240 Overview (30/10/2023)

Manholes: **F1.24 LEG 2 to RESTBEND**
Pipe Length: **1.4 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 241 Overview (30/10/2023)

Manholes: **F1.24 LEG 3 to RESTBEND**
Pipe Length: **1.19 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 242 Overview (30/10/2023)

Manholes: **F1.3 to F1.2**
Pipe Length: **5.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 243 Overview (30/10/2023)

Manholes: **F1.3 LEG 1 to RESTBEND**
Pipe Length: **5.24 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 244 Overview (30/10/2023)

Manholes: **F1.3 LEG 2 to RESTBEND**
Pipe Length: **8.48 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 245 Overview (30/10/2023)

Manholes: **F1.2 LEG 1 to RESTBEND**
Pipe Length: **1.31 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 246 Overview (30/10/2023)

Manholes: **F1.14 to RESTBEND**
Pipe Length: **7.07 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 247 Overview (30/10/2023)

Manholes: **F1.14 LEG 1 to RESTBEND**
Pipe Length: **8.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 248 Overview (30/10/2023)

Manholes: **F1.14 LEG 2 to RESTBEND**
Pipe Length: **3.9 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 249 Overview (30/10/2023)

Manholes: **F1.14 LEG 3 to RESTBEND**
Pipe Length: **3.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 250 Overview (30/10/2023)

Manholes: **F1.14 LEG 4 to RESTBEND**
Pipe Length: **5.81 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 251 Overview (30/10/2023)

Manholes: **F1.18 to RESTBEND**
Pipe Length: **5.31 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 252 Overview (30/10/2023)

Manholes: **F1.18 LEG 1 to RESTBEND**
Pipe Length: **4.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 253 Overview (30/10/2023)

Manholes: **F1.18 to F1.19**
Pipe Length: **10.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 254 Overview (30/10/2023)

Manholes: **F1.18 LEG 2 to RESTBEND**
Pipe Length: **2.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 255 Overview (30/10/2023)

Manholes: **F1.19 to RESTBEND**
Pipe Length: **5.88 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 256 Overview (30/10/2023)

Manholes: **F1.16 LEG 1 to RESTBEND**
Pipe Length: **0.45 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 257 Overview (30/10/2023)

Manholes: **F1.16 LEG 2 to RESTBEND**
Pipe Length: **0.02 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 258 Overview (30/10/2023)

Manholes: **F1.16 LEG 3 to RESTBEND**
Pipe Length: **0.71 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 259 Overview (30/10/2023)

Manholes: **F1.16 LEG 4 to RESTBEND**
Pipe Length: **1.07 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Section 260 Overview (30/10/2023)

Manholes: **SITE 2 HOPPER 16 to S1.13**
Pipe Length: **5.14 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 261 Overview (23/11/2023)

Manholes: **S1.13 to S1.14**
Pipe Length: **12.86 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 262 Overview (23/11/2023)

Manholes: **S1.13 to RESTBEND**
Pipe Length: **5.05 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 263 Overview (23/11/2023)

Manholes: **S1.13 LEG1 to RESTBEND**
Pipe Length: **5.76 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 264 Overview (23/11/2023)

Manholes: **S1.15 to RESTBEND**
Pipe Length: **13.21 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 265 Overview (23/11/2023)

Manholes: **S1.15 LEG 1 to RESTBEND**
Pipe Length: **7.98 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 266 Overview (23/11/2023)

Manholes: **S1.15 to S1.17**
Pipe Length: **11.71 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 267 Overview (23/11/2023)

Manholes: **S1.29 to RESTBEND**
Pipe Length: **12.52 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 268 Overview (23/11/2023)

Manholes: **S1.29 LEG 1 to RESTBEND**
Pipe Length: **5.26 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 269 Overview (23/11/2023)

Manholes: **S1.29 to S1.14**
Pipe Length: **4.83 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 270 Overview (23/11/2023)

Manholes: **S1.14 to S1.17**
Pipe Length: **18.81 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 271 Overview (23/11/2023)

Manholes: **S1.16 to RESTBEND**
Pipe Length: **10.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 272 Overview (23/11/2023)

Manholes: **S1.16 LEG 1 to RESTBEND**
Pipe Length: **6.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Surface water**

Section 273 Overview (23/11/2023)

Manholes: **S1.16 to S1.17**
Pipe Length: **11.31 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 274 Overview (23/11/2023)

Manholes: **S1.17 LEG 1 to RESTBEND**
Pipe Length: **4.64 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 275 Overview (23/11/2023)

Manholes: **S1.17 LEG 2 to RESTBEND**
Pipe Length: **1.93 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 276 Overview (23/11/2023)

Manholes: **S1.17 to ATTENUATION TANK**
Pipe Length: **4.31 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Surface water**

Section 277 Overview (23/11/2023)

Manholes: **S1.19 to S1.18**
Pipe Length: **12.71 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 278 Overview (23/11/2023)

Manholes: **S1.19 LEG 1 to ATTENUATION TANK**
Pipe Length: **2.9 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 279 Overview (23/11/2023)

Manholes: **S1.19 to S1.20**
Pipe Length: **3.21 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 280 Overview (23/11/2023)

Manholes: **S1.19 LEG 2 to RESTBEND**
Pipe Length: **2.36 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 281 Overview (23/11/2023)

Manholes: **S1.20 LEG1 to RESTBEND**
Pipe Length: **3.88 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 282 Overview (23/11/2023)

Manholes: **S1.20 to S1.25**
Pipe Length: **10.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Section 283 Overview (23/11/2023)

Manholes: **S1.21A to RESTBEND**
Pipe Length: **5.48 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 284 Overview (23/11/2023)

Manholes: **S1.21A to CAPPED**
Pipe Length: **0.4 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 285 Overview (24/11/2023)

Manholes: **S1.4A LEG 1 to RESTBEND**
Pipe Length: **2.71 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 286 Overview (24/11/2023)

Manholes: **S1.4A LEG 2 to RESTBEND**
Pipe Length: **6.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 287 Overview (24/11/2023)

Manholes: **S1.4A LEG 3 to RESTBEND**
Pipe Length: **4.29 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 288 Overview (24/11/2023)

Manholes: **S1.4A LEG 4 to RESTBEND**
Pipe Length: **8.69 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 289 Overview (24/11/2023)

Manholes: **S1.7 to ATTENUATION TANK**
Pipe Length: **0.79 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **300mm**
Use: **Surface water**

Section 290 Overview (24/11/2023)

Manholes: **S1.5 to RESTBEND**
Pipe Length: **4.74 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 291 Overview (24/11/2023)

Manholes: **S1.5 LEG 1 to RESTBEND**
Pipe Length: **4.5 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 292 Overview (24/11/2023)

Manholes: **S1.5 to S1.7**
Pipe Length: **6.62 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 293 Overview (24/11/2023)

Manholes: **S1.5 LEG 2 to RESTBEND**
Pipe Length: **1.31 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 294 Overview (24/11/2023)

Manholes: **S1.7A to RESTBEND**
Pipe Length: **9.55 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 295 Overview (24/11/2023)

Manholes: **S1.7A LEG 1 to RESTBEND**
Pipe Length: **3.05 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 296 Overview (24/11/2023)

Manholes: **S1.7A to ATTENUATION TANK**
Pipe Length: **0.19 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 297 Overview (24/11/2023)

Manholes: **F2.10B to RESTBEND**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 298 Overview (24/11/2023)

Manholes: **F2.10B LEG 1 to RESTBEND**
Pipe Length: **0 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Foul**

Section 299 Overview (24/11/2023)

Manholes: **F2.10B LEG 2 to RESTBEND**
Pipe Length: **3.76 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **100mm**
Use: **Foul**

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 300 Overview (24/11/2023)

Manholes: **S1.8 to RESTBEND**
Pipe Length: **0.67 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 301 Overview (24/11/2023)

Manholes: **S1.8 LEG 1 to RESTBEND**
Pipe Length: **2.43 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 302 Overview (24/11/2023)

Manholes: **S1.8 to S1.7 - S1.29 CARRIER**
Pipe Length: **4.57 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 303 Overview (24/11/2023)

Manholes: **S1.8 LEG 2 to RESTBEND**
Pipe Length: **3.24 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **150mm**
Use: **Surface water**

Section 304 Overview (24/01/2024)

Manholes: **F1.11 to F1.9**
Pipe Length: **6.95 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

Section 305 Overview (24/01/2024)

Manholes: **F1.11 LEG1 to F1.10**
Pipe Length: **0.19 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

BUXTONWATER

Report Summary

Buxton Water Limited
1a Maple Court
Maple View
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Skelmersdale
WN8 9TW

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

Section 306 Overview (24/01/2024)

Manholes: **F1.11 to F1.13**
Pipe Length: **5.95 metres**
Structural Grade: **0**
Service Grade: **0**
Material: **Polyvinyl chloride**
Pipe Size: **225mm**
Use: **Foul**

CCTV Inspection Report

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**UNKNOWN X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**1**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.9**
End Node **UNKNOWN**
Total length **1.38 metres**

Scale **1:0.07**
Direction **Upstream**

Start Node Ref:S1.9 | I/L : metres | Depth: 0.75 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.9	8501020	Comment / 0
0.00	WL	Water level 05% height/diameter	8501021	Comment / 0
1.38	OFF	Finish node type, outfall, reference START OF RUN, CAPPED	8501029	Comment / 0

End Node Ref:UNKNOWN | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
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Start node type, manhole, reference S1.9



Water level 05% height/diameter



Finish node type, outfall, reference START OF RUN, CAPPED

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CCTV Inspection Report

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.9 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**2**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.9**
End Node **S1.10**
Total length **10.45 metres**

Scale **1:0.55**
Direction **Downstream**

Start Node Ref:S1.9 | I/L : metres | Depth: 0.75 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.9	8501124	Comment / 0
0.00	WL	Water level 05% height/diameter	8501125	Comment / 0
7.48	CN	Connection other than junction at 9 o'clock, diameter 150mm - Remark: HOPPER CONNECTION	8501126	Comment / 0
9.98	LL	Line of drain/sewer deviates left	8501134	Comment / 0
10.45	MHF	Finish node type, manhole, reference S1.10	8501146	Comment / 0

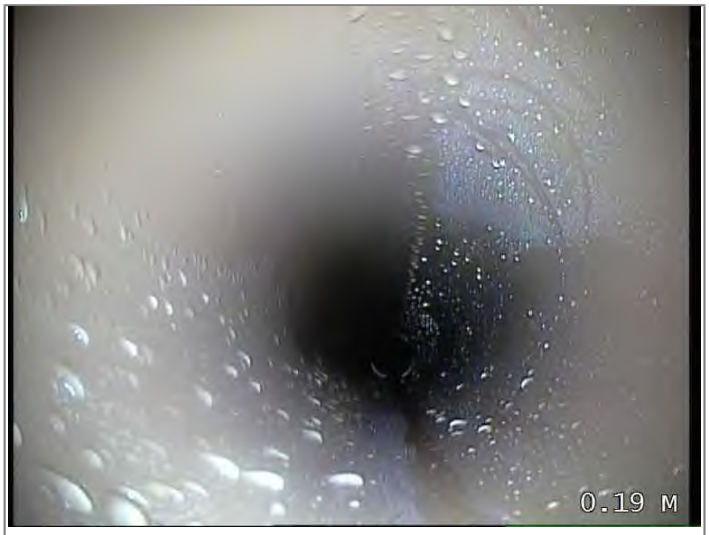
End Node Ref:S1.10 | I/L : metres | Depth: 1.60 metres

BUXTONWATER

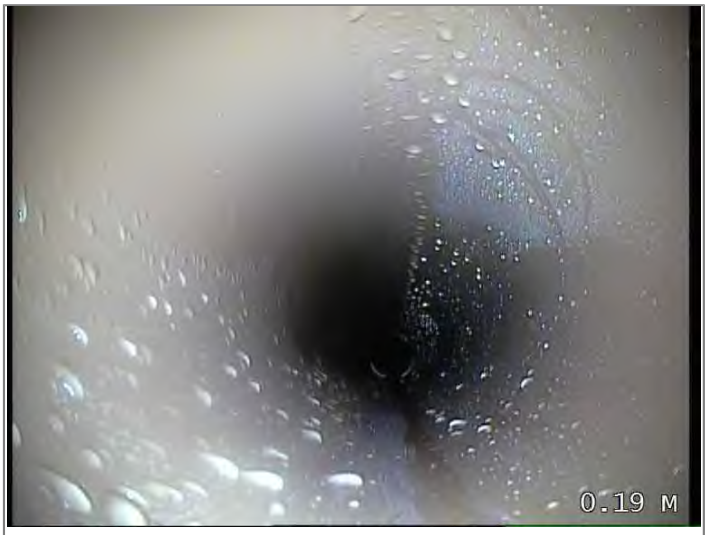
CCTV Inspection Photos

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type, manhole, reference S1.9



Water level 05% height/diameter



Connection other than junction at 9 o'clock, diameter 150mm - Remark: HOPPER CONNECTION



Line of drain/sewer deviates left



Finish node type, manhole, reference S1.10

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 1 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**3**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 1**
End Node **S1.9 - S1.10 CARRIER**
Total length **1.81 metres**

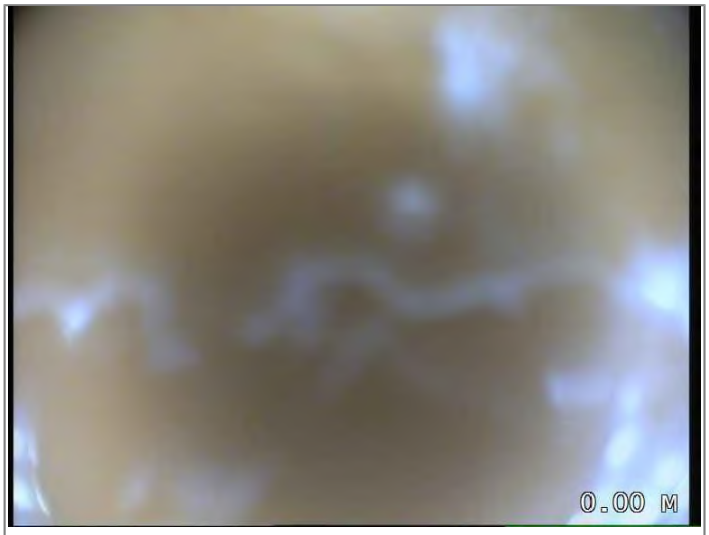
Scale **1:0.10**
Direction **Downstream**

Start Node Ref:HOPPER 1 | I/L : metres

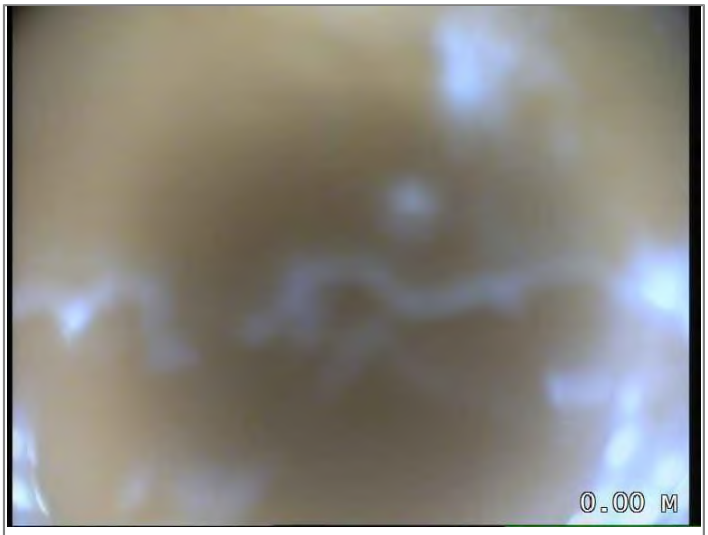
Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8501242	Comment / 0
0.00	WL	Water level 05% height/diameter	8501243	Comment / 0
1.81	LL	Line of drain/sewer deviates left - Remark: JOINS CARRIER	8501245	Comment / 0

End Node Ref:S1.9 - S1.10 CARRIER | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left - Remark: JOINS CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.10 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**4**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.10**
End Node **DROPSHAFT FOR S1.12**
Total length **13.4 metres**

Scale **1:0.70**
Direction **Downstream**

Start Node Ref:S1.10 | I/L : metres | Depth: 1.60 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.10	8501389	Comment / 0
0.00	WL	Water level 05% height/diameter	8501390	Comment / 0
4.57	CN	Connection other than junction at 9 o'clock, diameter 150mm - Remark: HOPPER 2 CONNECTION	8501396	Comment / 0
8.90	CN	Connection other than junction at 10 o'clock, diameter 150mm - Remark: HOPPER 3 CONNECTION	8501426	Comment / 0
9.24	CN	Connection other than junction at 11 o'clock, diameter 150mm - Remark: HOPPER 4 CONNECTION	8501447	Comment / 0
11.69	LL	Line of drain/sewer deviates left	8501448	Comment / 0
11.69	CN	Connection other than junction at 12 o'clock, diameter 150mm - Remark: HOPPER 5 CONNECTION	8501463	Comment / 0
13.07	LR	Line of drain/sewer deviates right	8501464	Comment / 0
13.40	LD	Line of drain/sewer deviates down - Remark: DROPSHAFT TO S1.12	8501465	Comment / 0

End Node Ref:DROPSHAFT FOR S1.12 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type, manhole, reference S1.10



Water level 05% height/diameter



Connection other than junction at 9 o'clock, diameter 150mm - Remark: HOPPER 2 CONNECTION



Connection other than junction at 10 o'clock, diameter 150mm - Remark: HOPPER 3 CONNECTION



Connection other than junction at 11 o'clock, diameter 150mm - Remark: HOPPER 4 CONNECTION



Line of drain/sewer deviates left

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Connection other than junction at 12 o'clock, diameter 150mm - Remark: HOPPER 5 CONNECTION



Line of drain/sewer deviates right



Line of drain/sewer deviates down - Remark: DROPSHAFT TO S1.12

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**UNKNOWN X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**5**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.10 LEG1**
End Node **UNKNOWN**
Total length **4.71 metres**

Scale **1:0.25**
Direction **Upstream**

Start Node Ref:S1.10 LEG1 | I/L : metres | Depth: 1.60 metres



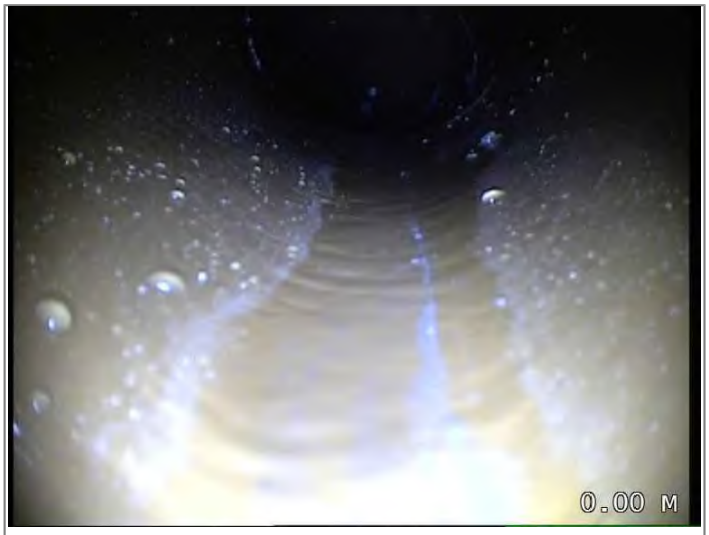
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.10 LEG1	8501483	Comment / 0
0.00	WL	Water level 05% height/diameter	8501484	Comment / 0
3.95	LL	Line of drain/sewer deviates left	8501485	Comment / 0
4.71	OFF	Finish node type, outfall, reference INTERNAL HOPPER	8501486	Comment / 0

End Node Ref:UNKNOWN | I/L : metres

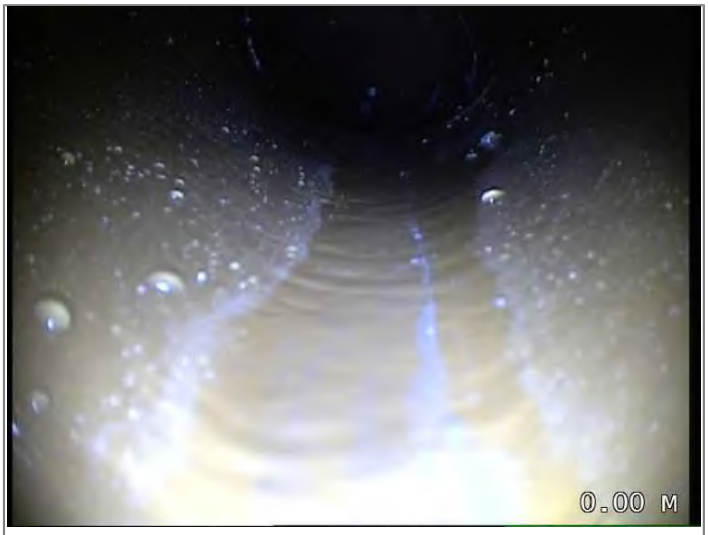
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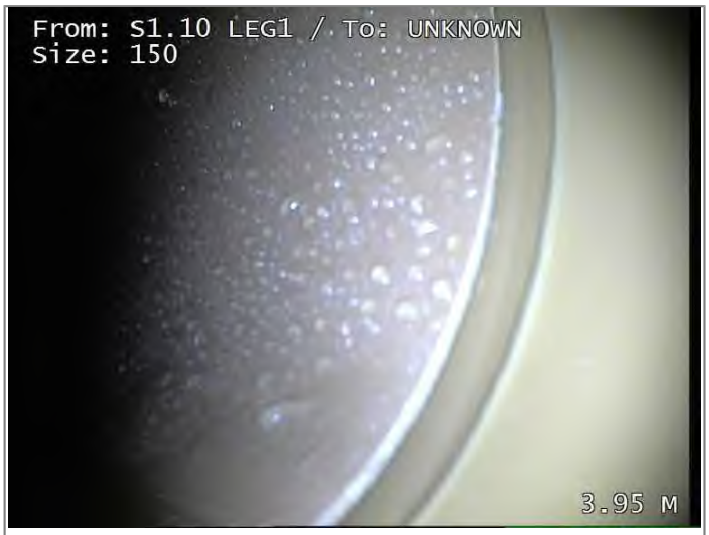
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type, manhole, reference S1.10 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference INTERNAL HOPPER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**UNKNOWN X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**6**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.10 LEG2**
End Node **UNKNOWN**
Total length **2.86 metres**

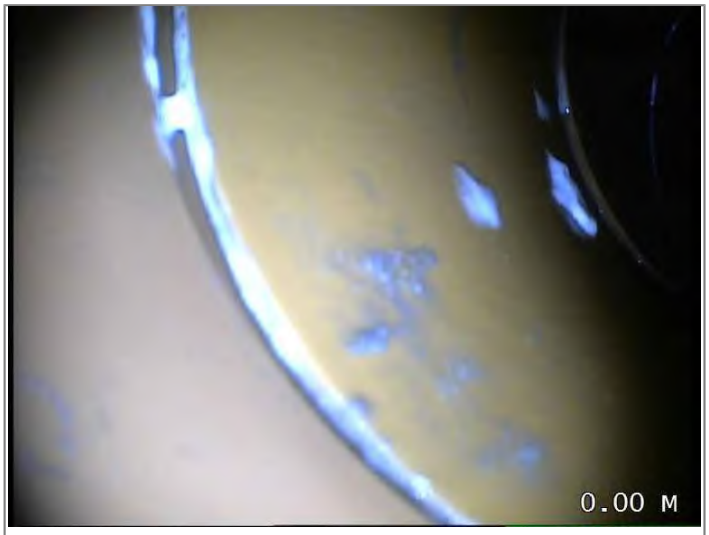
Scale **1:0.15**
Direction **Upstream**

Start Node Ref:S1.10 LEG2 | I/L : metres | Depth: 1.60 metres

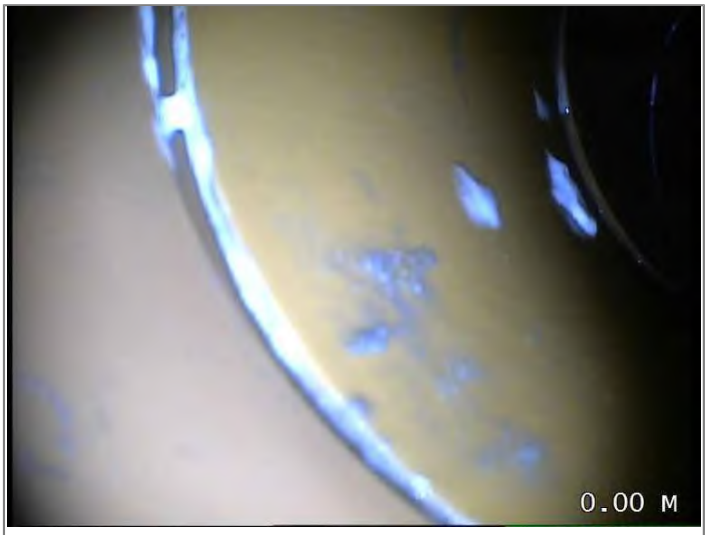
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.10 LEG2	8501510	Comment / 0
0.00	WL	Water level 05% height/diameter	8501511	Comment / 0
2.86	LU	Line of drain/sewer deviates up	8501512	Comment / 0
2.86	OFF	Finish node type, outfall, reference START OF RUN CAPPED	8501513	Comment / 0

End Node Ref:UNKNOWN | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type, manhole, reference S1.10 LEG2



Water level 05% height/diameter



Line of drain/sewer deviates up



Finish node type, outfall, reference START OF RUN CAPPED

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 2 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**7**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 2**
End Node **S1.10 - S1.12 CARRIER**
Total length **3.31 metres**

Scale **1:0.17**
Direction **Downstream**

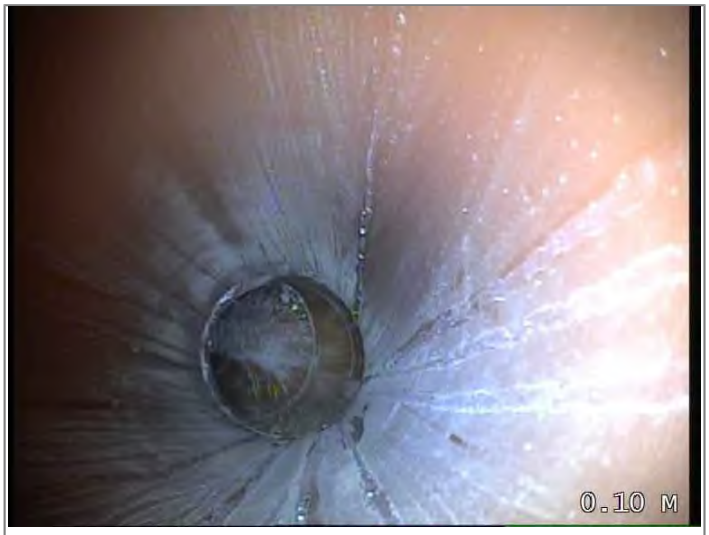
Start Node Ref:HOPPER 2 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504662	Comment / 0
0.00	WL	Water level 05% height/diameter	8504663	Comment / 0
3.31	LL	Line of drain/sewer deviates left - Remark: CARRIER S1.10-S1.12	8504664	Comment / 0

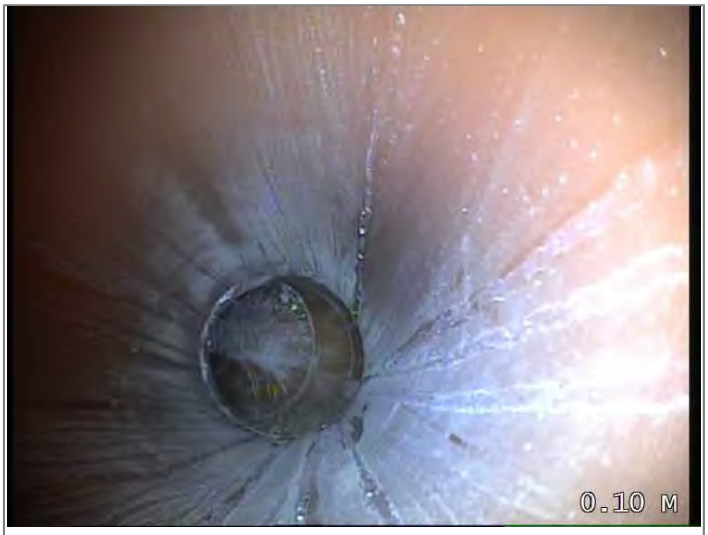
End Node Ref:S1.10 - S1.12 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter

Line of drain/sewer deviates left - Remark: CARRIER S1.10-S1.12

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 3 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**8**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 3**
End Node **S1.10 - S1.12 CARRIER**
Total length **2.38 metres**

Scale **1:0.12**
Direction **Downstream**

Start Node Ref:HOPPER 3 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504665	Comment / 0
0.00	WL	Water level 05% height/diameter	8504666	Comment / 0
2.38	LL	Line of drain/sewer deviates left - Remark: CARRIER S1.10-S1.12	8504672	Comment / 0

End Node Ref:S1.10 - S1.12 CARRIER | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left - Remark: CARRIER S1.10-S1.12

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 4 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**9**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 4**
End Node **S1.10 - S1.12 CARRIER**
Total length **2 metres**

Scale **1:0.10**
Direction **Downstream**

Start Node Ref:HOPPER 4 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504678	Comment / 0
0.00	WL	Water level 05% height/diameter	8504679	Comment / 0
2.00	LL	Line of drain/sewer deviates left - Remark: CARRIER S1.10-S1.12	8504680	Comment / 0

End Node Ref:S1.10 - S1.12 CARRIER | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left - Remark: CARRIER S1.10-S1.12

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**UNKNOWN X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**10**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.11**
End Node **UNKNOWN**
Total length **9.14 metres**

Scale **1:0.48**
Direction **Upstream**

Start Node Ref:S1.11 | I/L : metres | Depth: 0.92 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.11	8504681	Comment / 0
0.00	WL	Water level 05% height/diameter	8504682	Comment / 0
4.24	LL	Line of drain/sewer deviates left	8504683	Comment / 0
6.43	WL (S01)	Water level 15% height/diameter - Remark: BACKFALL , Start	8504684	Comment / 0
8.67	LR	Line of drain/sewer deviates right	8504685	Comment / 0
8.69	WL (F01)	Water level 15% height/diameter - Remark: BACKFALL , Finished	8504686	Comment / 0
9.14	OFF	Finish node type, outfall, reference START OF RUN CAPPED	8504695	Comment / 0

End Node Ref:UNKNOWN | I/L : metres

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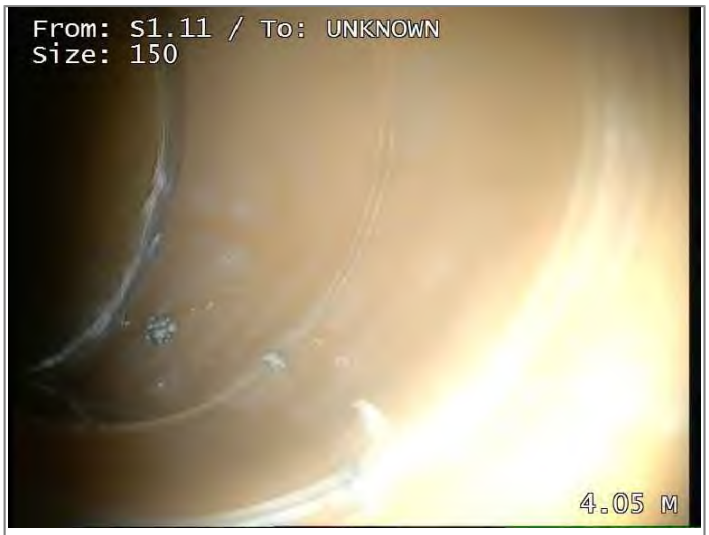
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type, manhole, reference S1.11



Water level 05% height/diameter



Line of drain/sewer deviates left



Water level 15% height/diameter - Remark: BACKFALL , Start



Line of drain/sewer deviates right



Water level 15% height/diameter - Remark: BACKFALL , Finished

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Finish node type, outfall, reference START OF RUN CAPPED

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.11 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**11**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.11**
End Node **DROPSHAFT FOR S1.12**
Total length **22.36 metres**

Scale **1:1.17**
Direction **Downstream**

Start Node Ref:S1.11 | I/L : metres | Depth: 0.92 metres

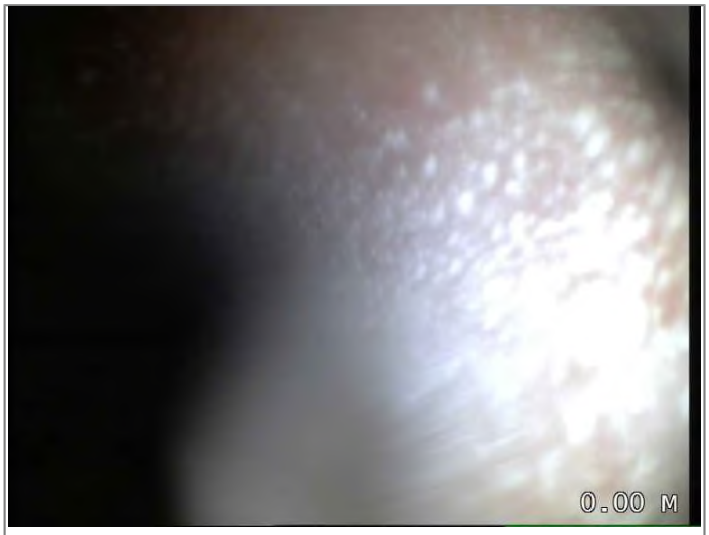
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.11	8504696	Comment / 0
0.00	WL	Water level 05% height/diameter	8504698	Comment / 0
2.62	CN	Connection other than junction at 3 o'clock, diameter 150mm - Remark: HOPPER 6	8504700	Comment / 0
5.71	WL (S01)	Water level 20% height/diameter, Start	8504702	Comment / 0
7.19	CN	Connection other than junction at 3 o'clock, diameter 150mm - Remark: HOPPER 7	8504704	Comment / 0
7.55	WL (F01)	Water level 20% height/diameter, Finished	8504705	Comment / 0
9.55	CN	Connection other than junction at 3 o'clock, diameter 150mm	8504706	Comment / 0
10.69	CN	Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 9	8504707	Comment / 0
13.86	CN	Connection other than junction at 3 o'clock, diameter 150mm - Remark: HOPPER 10	8504708	Comment / 0
15.93	CN	Connection other than junction at 3 o'clock, diameter 150mm - Remark: HOPPER 11	8504709	Comment / 0
16.52	CN	Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 12	8504710	Comment / 0
20.67	CN	Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 13	8504711	Comment / 0
21.64	WL	Water level 25% height/diameter	8504712	Comment / 0
21.64	CN	Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 14	8504713	Comment / 0
22.36	LD	Line of drain/sewer deviates down - Remark: DROPSHAFT TO S1.12	8504714	Comment / 0

End Node Ref:DROPSHAFT FOR S1.12 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type, manhole, reference S1.11



Water level 05% height/diameter



Connection other than junction at 3 o'clock, diameter 150mm - Remark: HOPPER 6



Water level 20% height/diameter, Start



Connection other than junction at 3 o'clock, diameter 150mm - Remark: HOPPER 7



Water level 20% height/diameter, Finished

BUXTONWATER

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Connection other than junction at 3 o'clock, diameter 150mm



Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 9



Connection other than junction at 3 o'clock, diameter 150mm - Remark: HOPPER 10



Connection other than junction at 3 o'clock, diameter 150mm - Remark: HOPPER 11



Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 12



Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 13

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Water level 25% height/diameter



Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 14



Line of drain/sewer deviates down - Remark: DROPSHAFT TO S1.12

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 6 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**12**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 6**
End Node **S1.11 - S1.12 CARRIER**
Total length **2.05 metres**

Scale **1:0.11**
Direction **Downstream**

Start Node Ref:HOPPER 6 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504715	Comment / 0
0.00	WL	Water level 05% height/diameter	8504721	Comment / 0
2.05	LR	Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER	8504723	Comment / 0

End Node Ref:S1.11 - S1.12 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 7 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**13**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 7**
End Node **S1.11 - S1.12 CARRIER**
Total length **2.02 metres**

Scale **1:0.11**
Direction **Downstream**

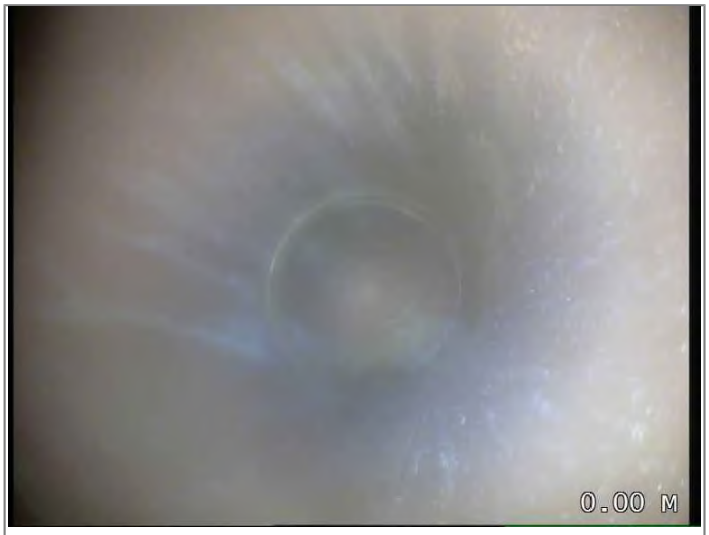
Start Node Ref:HOPPER 7 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504724	Comment / 0
0.00	WL	Water level 05% height/diameter	8504726	Comment / 0
2.02	LR	Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER	8504729	Comment / 0

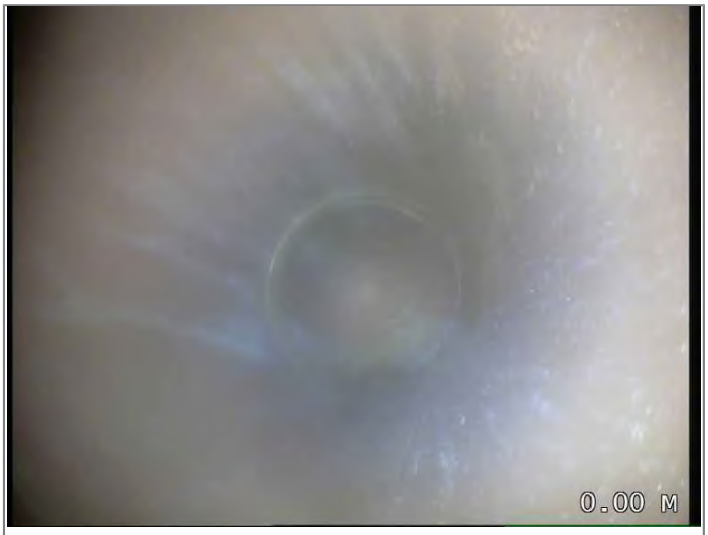
End Node Ref:S1.11 - S1.12 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 8 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**14**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 8**
End Node **S1.11 - S1.12 CARRIER**
Total length **2.83 metres**

Scale **1:0.15**
Direction **Downstream**

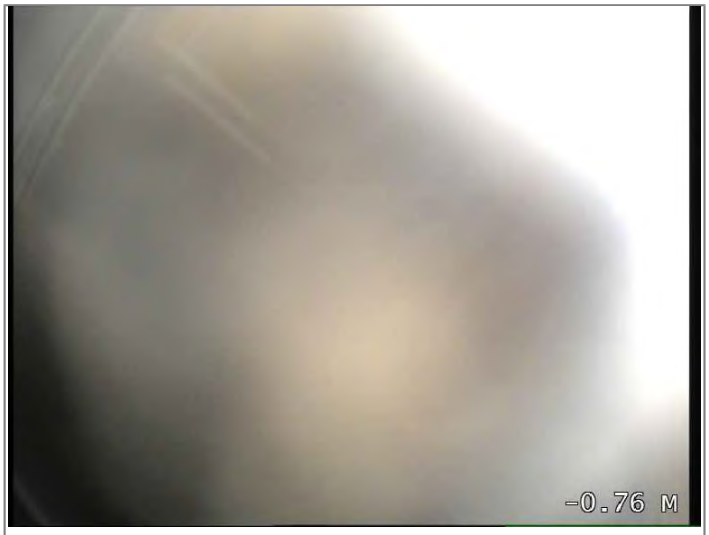
Start Node Ref:HOPPER 8 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504730	Comment / 0
0.00	WL	Water level 05% height/diameter	8504731	Comment / 0
2.83	LR	Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER	8504732	Comment / 0

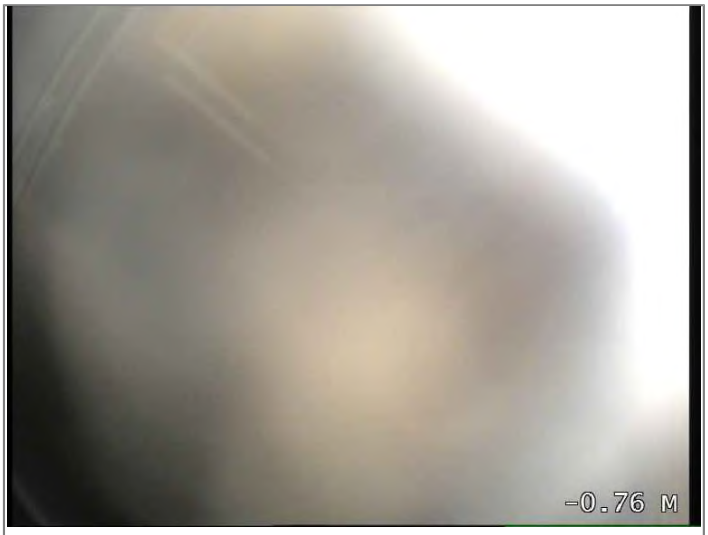
End Node Ref:S1.11 - S1.12 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 9 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**15**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 9**
End Node **S1.11 - S1.12 CARRIER**
Total length **3.17 metres**

Scale **1:0.17**
Direction **Downstream**

Start Node Ref:HOPPER 9 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504741	Comment / 0
0.00	WL	Water level 05% height/diameter	8504743	Comment / 0
3.17	LR	Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER	8504748	Comment / 0

End Node Ref:S1.11 - S1.12 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 10 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**16**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 10**
End Node **S1.11 - S1.12 CARRIER**
Total length **2.29 metres**

Scale **1:0.12**
Direction **Downstream**

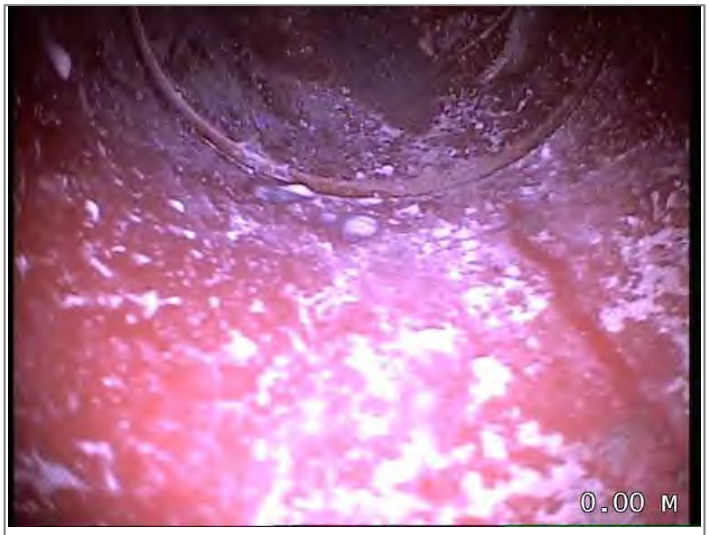
Start Node Ref:HOPPER 10 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504749	Comment / 0
0.00	WL	Water level 05% height/diameter	8504750	Comment / 0
2.29	LR	Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER	8504751	Comment / 0

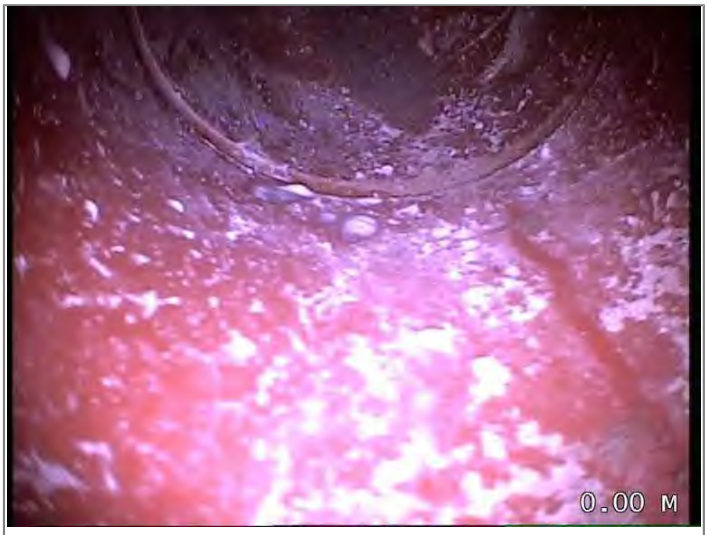
End Node Ref:S1.11 - S1.12 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 11 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**17**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 11**
End Node **S1.11 - S1.12 CARRIER**
Total length **3.17 metres**

Scale **1:0.17**
Direction **Downstream**

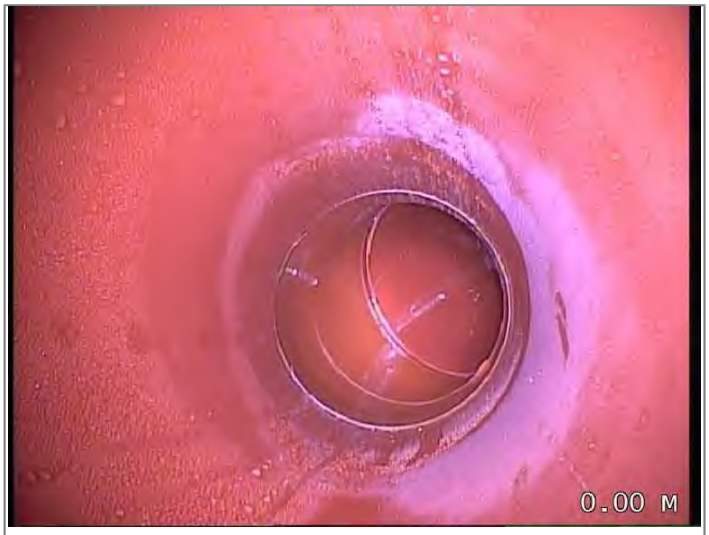
Start Node Ref:HOPPER 11 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504752	Comment / 0
0.00	WL	Water level 05% height/diameter	8504753	Comment / 0
3.17	LR	Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER	8504754	Comment / 0

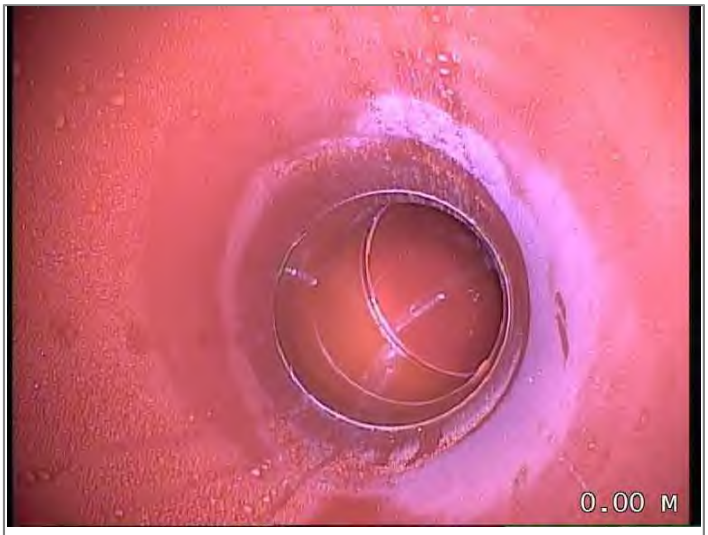
End Node Ref:S1.11 - S1.12 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 12 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**18**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 12**
End Node **S1.11 - S1.12 CARRIER**
Total length **2.69 metres**

Scale **1:0.14**
Direction **Downstream**

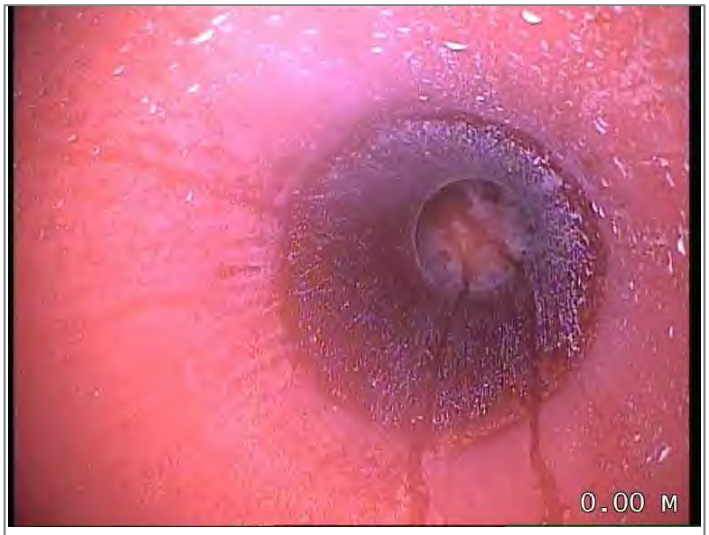
Start Node Ref:HOPPER 12 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504755	Comment / 0
0.00	WL	Water level 05% height/diameter	8504756	Comment / 0
2.69	LR	Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER	8504757	Comment / 0

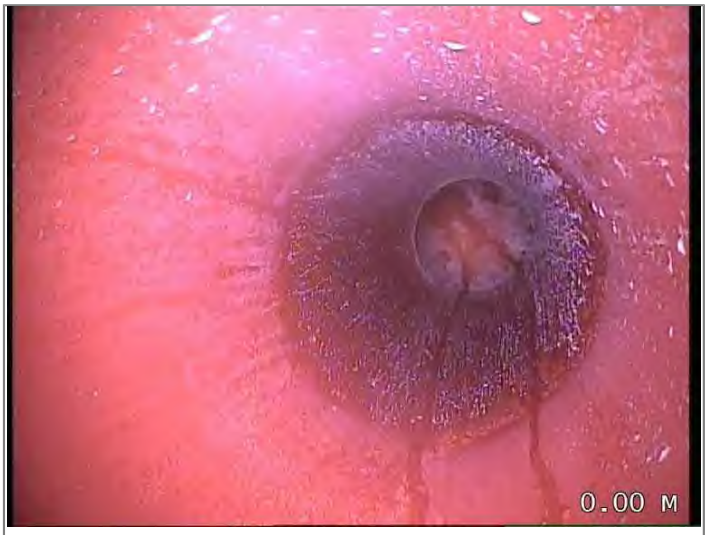
End Node Ref:S1.11 - S1.12 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**HOPPER 13 X**	**12/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**19**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **HOPPER 13**
End Node **S1.11 - S1.12 CARRIER**
Total length **2.05 metres**

Scale **1:0.11**
Direction **Downstream**

Start Node Ref:HOPPER 13 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8504770	Comment / 0
0.00	WL	Water level 05% height/diameter	8504771	Comment / 0
2.05	LR	Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER	8504772	Comment / 0

End Node Ref:S1.11 - S1.12 CARRIER | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: S1.11-S1.12 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**UNKNOWN X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**20**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.0**
End Node **UNKNOWN**
Total length **0 metres**

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

Start Node Ref:F2.0 | I/L : metres | Depth: 1.65 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.0	8505333	Comment / 0
0.00	WL	Water level 05% height/diameter	8505334	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP OF DRAIN UNABLE TO CCTV	8505335	Comment / 0



End Node Ref:UNKNOWN | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.0



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP OF DRAIN UNABLE TO CCTV

CCTV Inspection Report

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**21**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.0 LEG1**
End Node **RESTBEND**
Total length **7.12 metres**

Scale **1:0.37**
Direction **Upstream**

Start Node Ref:F2.0 LEG1 | I/L : metres | Depth: 1.65 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.0 LEG1	8505339	Comment / 0
0.00	WL	Water level 05% height/diameter	8505340	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8505341	Comment / 0
7.12	OFF	Finish node type, outfall, reference RESTBEND	8505342	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.0 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**UNKNOWN X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**22**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.0 LEG2**
End Node **UNKNOWN**
Total length **0.12 metres**

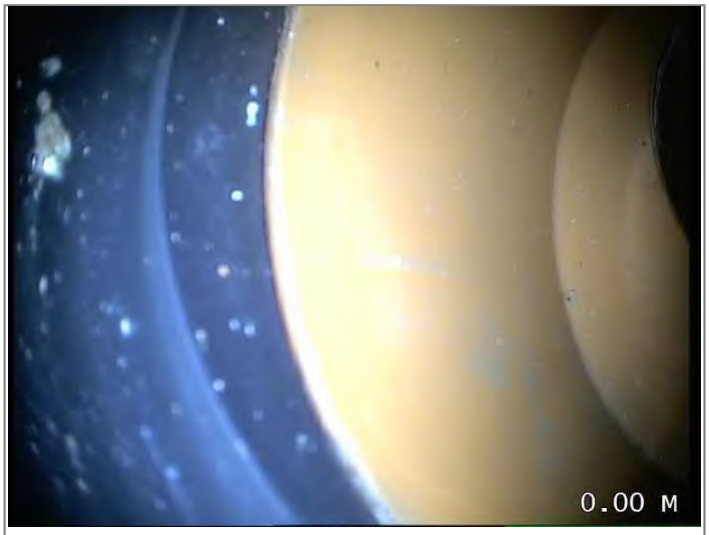
Scale **1:0.01**
Direction **Upstream**

Start Node Ref:F2.0 LEG2 | I/L : metres | Depth: 1.65 metres

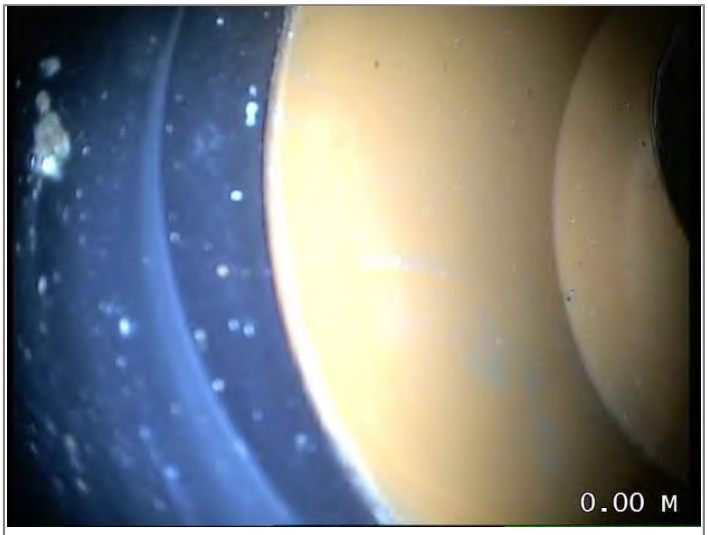
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.0 LEG2	8505348	Comment / 0
0.00	WL	Water level 05% height/diameter	8505349	Comment / 0
0.12	SC	Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP OF DRAIN UNABLE TO SURVEY	8505350	Comment / 0

End Node Ref:UNKNOWN | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.0 LEG2



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP OF DRAIN UNABLE TO SURVEY

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.0 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**23**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.0**
End Node **F2.1**
Total length **5.83 metres**

Scale **1:0.31**
Direction **Downstream**

Start Node Ref:F2.0 | I/L : metres | Depth: 1.65 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.0	8505351	Comment / 0
0.00	WL	Water level 05% height/diameter	8505352	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8505364	Comment / 0
0.26	LR	Line of drain/sewer deviates right	8505365	Comment / 0
5.83	MHF	Finish node type, manhole, reference F2.1	8505366	Comment / 0

End Node Ref:F2.1 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.0



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates right



Finish node type, manhole, reference F2.1

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**24**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.1 LEG1**
End Node **RESTBEND**
Total length **6.1 metres**

Scale **1:0.32**
Direction **Upstream**

Start Node Ref:F2.1 LEG1 | I/L : metres | Depth: 1.84 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.1 LEG1	8505367	Comment / 0
0.00	WL	Water level 05% height/diameter	8505369	Comment / 0
0.00	WL (S01)	Water level 20% height/diameter - Remark: BACKFALL , Start	8505370	Comment / 0
0.24	LR	Line of drain/sewer deviates right	8505371	Comment / 0
0.26	WL (F01)	Water level 20% height/diameter - Remark: BACKFALL , Finished	8505372	Comment / 0



6.10	OFF	Finish node type, outfall, reference RESTBEND	8505373	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Line of drain/sewer deviates right



Water level 20% height/diameter - Remark: BACKFALL , Finished



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**25**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.1LEG2**
End Node **RESTBEND**
Total length **5.83 metres**

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

Start Node Ref:F2.1LEG2 | I/L : metres | Depth: 1.65 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.1LEG2	8505375	Comment / 0
0.00	WL	Water level 05% height/diameter	8505377	Comment / 0
5.38	LU	Line of drain/sewer deviates up	8505378	Comment / 0
5.83	OFF	Finish node type, outfall, reference RESTBEND	8505388	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.1LEG2



Water level 05% height/diameter



Line of drain/sewer deviates up



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.1 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**26**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.1**
End Node **F2.2**
Total length **4.19 metres**

Scale **1:0.22**
Direction **Downstream**

Start Node Ref:F2.1 | I/L : metres | Depth: 1.84 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.1	8505389	Comment / 0
0.00	WL	Water level 05% height/diameter	8505390	Comment / 0
0.33	LL	Line of drain/sewer deviates left	8505391	Comment / 0
0.86	LR	Line of drain/sewer deviates right	8505392	Comment / 0
4.19	MHF	Finish node type, manhole, reference F2.2	8505393	Comment / 0

End Node Ref:F2.2 | I/L : metres | Depth: 1.95 metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.1



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates right



Finish node type, manhole, reference F2.2

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**27**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.2 LEG1**
End Node **RESTBEND**
Total length **6.38 metres**

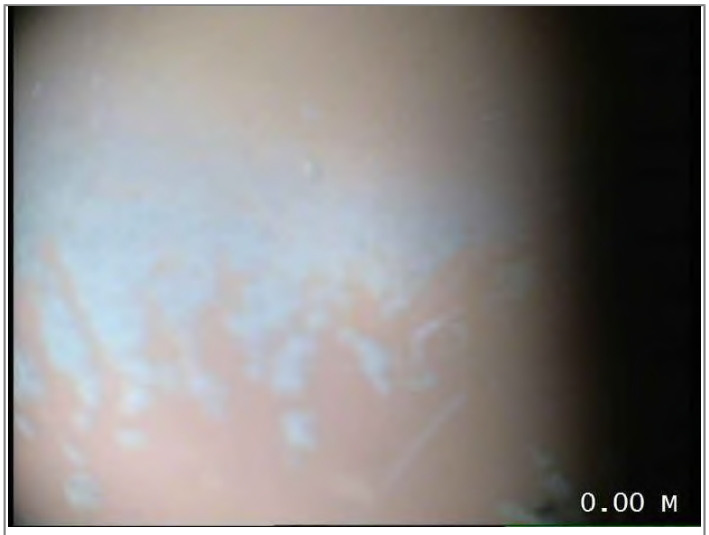
Scale **1:0.33**
Direction **Upstream**

Start Node Ref:F2.2 LEG1 | I/L : metres | Depth: 1.95 metres

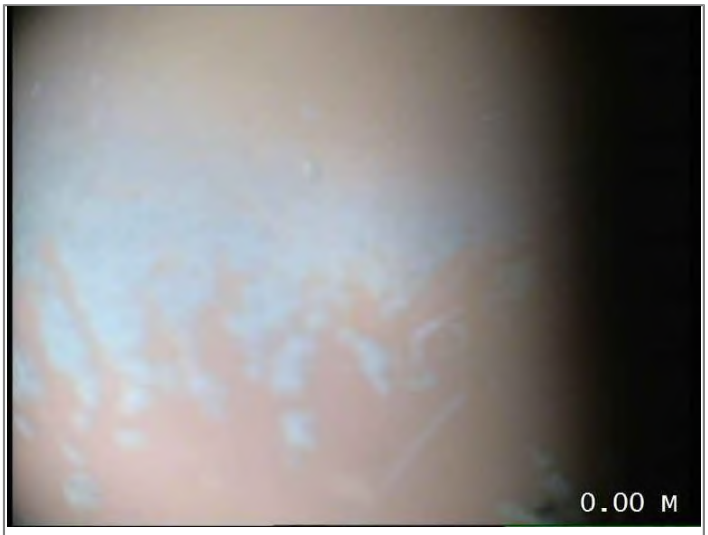
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.2 LEG1	8505394	Comment / 0
0.00	WL	Water level 05% height/diameter	8505395	Comment / 0
6.38	OFF	Finish node type, outfall, reference RESTBEND	8505396	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.2 LEG1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**28**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.2 LEG2**
End Node **RESTBEND**
Total length **0.1 metres**

Scale **1:0.01**
Direction **Upstream**

Start Node Ref:F2.2 LEG2 | I/L : metres | Depth: 1.95 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.2 LEG2	8505397	Comment / 0
0.00	WL	Water level 05% height/diameter	8505398	Comment / 0
0.10	SC	Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP OF DRAIN UNABLE TO SURVEY	8505399	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.2 LEG2



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP OF DRAIN UNABLE TO SURVEY

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.2 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**29**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.2**
End Node **F2.3**
Total length **2.86 metres**

Scale **1:0.15**
Direction **Downstream**

Start Node Ref:F2.2 | I/L : metres | Depth: 1.95 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.2	8505406	Comment / 0
0.00	WL	Water level 05% height/diameter	8505407	Comment / 0
2.86	MHF	Finish node type, manhole, reference F2.3	8505409	Comment / 0

End Node Ref:F2.3 | I/L : metres | Depth: 1.65 metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.2



Water level 05% height/diameter



Finish node type, manhole, reference F2.3

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**30**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.3 LEG1**
End Node **RESTBEND**
Total length **9.05 metres**

Scale **1:0.48**
Direction **Upstream**

Start Node Ref:F2.3 LEG1 | I/L : metres | Depth: 1.65 metres

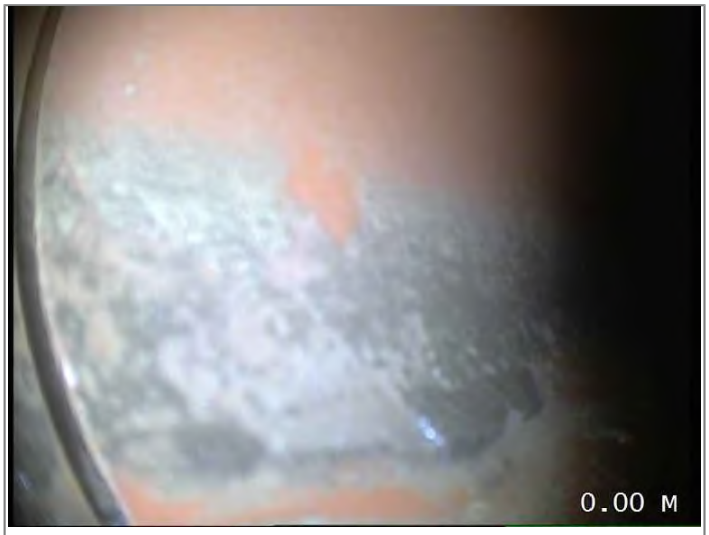
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.3 LEG1	8505463	Comment / 0
0.00	WL	Water level 05% height/diameter	8505464	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8505478	Comment / 0
9.05	OFF	Finish node type, outfall, reference RESTBEND	8505479	Comment / 0

End Node Ref:RESTBEND | I/L : metres

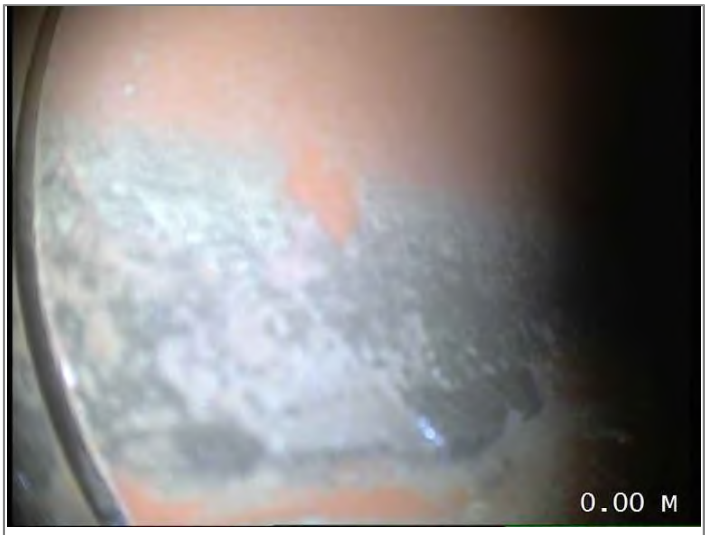
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.3 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**31**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.3 LEG2**
End Node **RESTBEND**
Total length **9.02 metres**

Scale **1:0.47**
Direction **Upstream**

Start Node Ref:F2.3 LEG2 | I/L : metres | Depth: 1.65 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.3 LEG2	8505486	Comment / 0
0.00	WL	Water level 05% height/diameter	8505487	Comment / 0
9.02	OFF	Finish node type, outfall, reference RESTBEND	8505505	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.3 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.3 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**32**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.3**
End Node **F2.8**
Total length **8.64 metres**

Scale **1:0.45**
Direction **Downstream**

Start Node Ref:F2.3 | I/L : metres | Depth: 1.65 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.3	8505523	Comment / 0
0.00	WL	Water level 05% height/diameter	8505524	Comment / 0
0.33	LD	Line of drain/sewer deviates down	8505535	Comment / 0
5.50	LR	Line of drain/sewer deviates right	8505540	Comment / 0
8.21	LL	Line of drain/sewer deviates left	8505544	Comment / 0
8.64	MHF	Finish node type, manhole, reference F2.6	8505545	Comment / 0

End Node Ref:F2.8 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.3



Water level 05% height/diameter



Line of drain/sewer deviates down



Line of drain/sewer deviates right



Line of drain/sewer deviates left



Finish node type, manhole, reference F2.6

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.5 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**33**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.5**
End Node **F2.7**
Total length **5.43 metres**

Scale **1:0.29**
Direction **Downstream**

Start Node Ref:F2.5 | I/L : metres | Depth: 1.9 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.5	8506514	Comment / 0
0.00	WL	Water level 05% height/diameter	8506515	Comment / 0
5.43	MHF	Finish node type, manhole, reference F2.6	8506521	Comment / 0

End Node Ref:F2.7 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.5



Water level 05% height/diameter



Finish node type, manhole, reference F2.6

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.7 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**34**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.7**
End Node **F2.8**
Total length **6.64 metres**

Scale **1:0.35**
Direction **Downstream**

Start Node Ref:F2.7 | I/L : metres | Depth: 2.43 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.7	8506544	Comment / 0
0.00	WL	Water level 05% height/diameter	8506545	Comment / 0
6.62	LR	Line of drain/sewer deviates right	8506550	Comment / 0
6.64	MHF	Finish node type, manhole, reference F2.6	8506552	Comment / 0

End Node Ref:F2.8 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.7



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference F2.6

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.4 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**35**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.4**
End Node **F2.5**
Total length **4.43 metres**

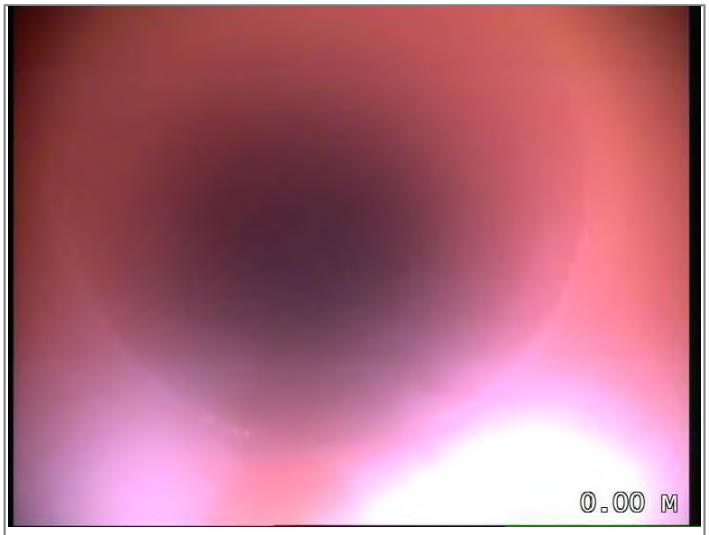
Scale **1:0.23**
Direction **Downstream**

Start Node Ref:F2.4 | I/L : metres | Depth: 1.48 metres

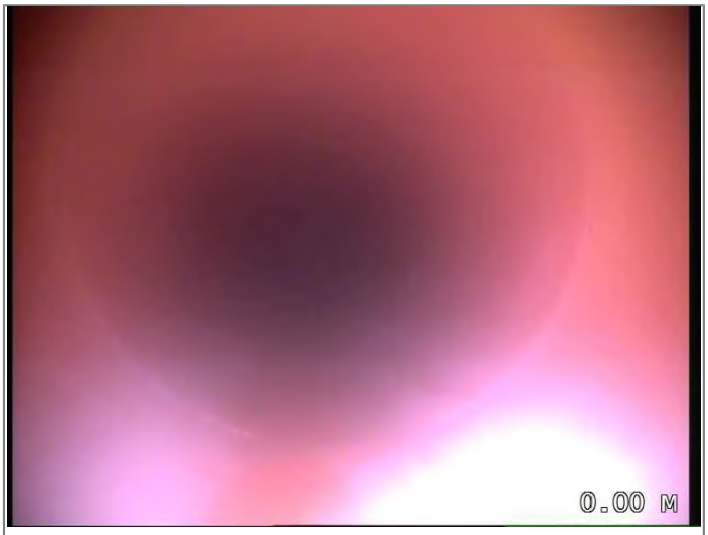
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.4	8506803	Comment / 0
0.00	WL	Water level 05% height/diameter	8506804	Comment / 0
3.62	LR	Line of drain/sewer deviates right	8506819	Comment / 0
4.43	LR	Line of drain/sewer deviates right	8506820	Comment / 0
4.43	MHF	Finish node type, manhole, reference F2.5	8506821	Comment / 0

End Node Ref:F2.5 | I/L : metres | Depth: 1.9 metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.4



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates right



Finish node type, manhole, reference F2.5

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**36**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.4**
End Node **RESTBEND**
Total length **3.98 metres**

Scale **1:0.21**
Direction **Upstream**

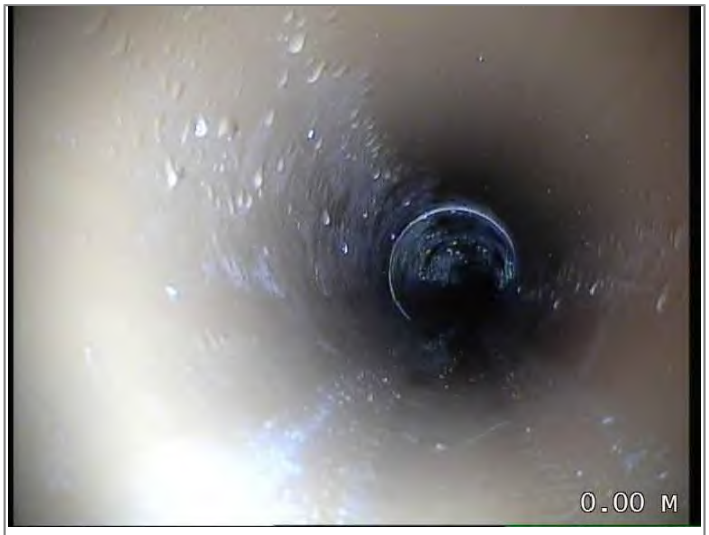
Start Node Ref:F2.4 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.4	8506838	Comment / 0
0.00	WL	Water level 05% height/diameter	8506840	Comment / 0
3.98	OFF	Finish node type, outfall, reference RESTBEND	8506845	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.4



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**37**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.4 LEG1**
End Node **RESTBEND**
Total length **2.71 metres**

Scale **1:0.14**
Direction **Upstream**

Start Node Ref:F2.4 LEG1 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.4 LEG1	8506852	Comment / 0
0.00	WL	Water level 05% height/diameter	8506853	Comment / 0
1.57	LR	Line of drain/sewer deviates right	8506854	Comment / 0
2.71	OFF	Finish node type, outfall, reference RESTBEND	8506868	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.4 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**38**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.4 LEG2**
End Node **RESTBEND**
Total length **1.76 metres**

Scale **1:0.09**
Direction **Upstream**

Start Node Ref:F2.4 LEG2 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.4 LEG2	8506870	Comment / 0
0.00	WL	Water level 05% height/diameter	8506871	Comment / 0
1.76	OFF	Finish node type, outfall, reference RESTBEND	8506872	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.4 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**39**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.4 LEG3**
End Node **RESTBEND**
Total length **2.24 metres**

Scale **1:0.12**
Direction **Upstream**

Start Node Ref:F2.4 LEG3 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.4 LEG3	8506905	Comment / 0
0.00	WL	Water level 05% height/diameter	8506906	Comment / 0
0.55	LR	Line of drain/sewer deviates right	8506907	Comment / 0
1.81	LL	Line of drain/sewer deviates left	8506908	Comment / 0
2.24	OFF	Finish node type, outfall, reference RESTBEND	8506909	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.4 LEG3



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**40**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.6A**
End Node **RESTBEND**
Total length **4.14 metres**

Scale **1:0.22**
Direction **Upstream**

Start Node Ref:F2.6A | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.6A	8506965	Comment / 0
0.00	WL	Water level 05% height/diameter	8506967	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8506975	Comment / 0
4.14	OFF	Finish node type, outfall, reference RESTBEND	8506990	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.6A



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**41**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.6A LEG1**
End Node **RESTBEND**
Total length **3.74 metres**

Scale **1:0.20**
Direction **Upstream**

Start Node Ref:F2.6A LEG1 | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.6A LEG1	8507004	Comment / 0
0.00	WL	Water level 05% height/diameter	8507006	Comment / 0
3.74	OFF	Finish node type, outfall, reference RESTBEND	8507048	Comment / 0

End Node Ref:RESTBEND | I/L : metres

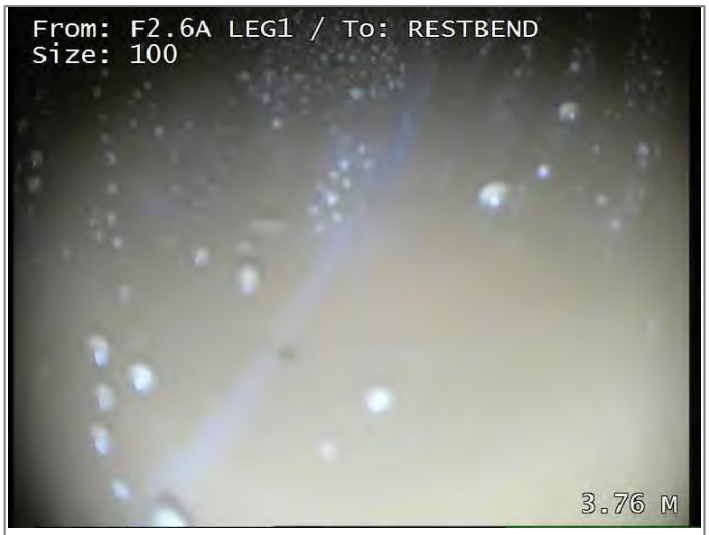
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.6A LEG1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**42**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.6A LEG2**
End Node **RESTBEND**
Total length **1.43 metres**

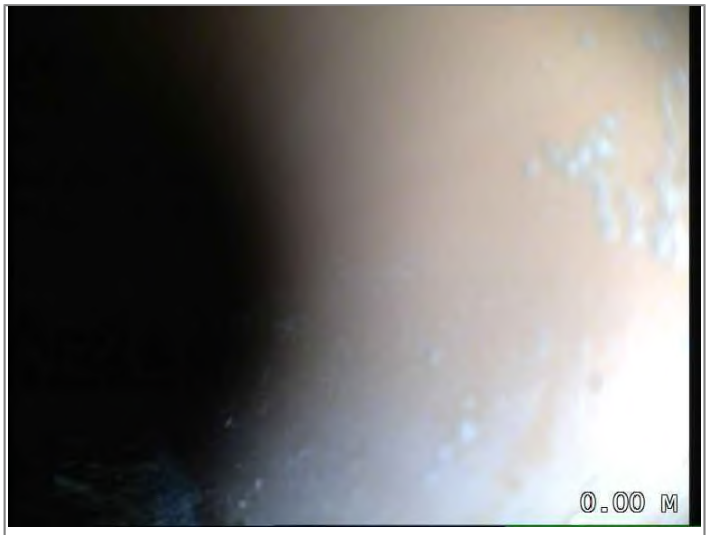
Scale **1:0.08**
Direction **Upstream**

Start Node Ref:F2.6A LEG2 | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.6A LEG2	8507050	Comment / 0
0.00	WL	Water level 05% height/diameter	8507051	Comment / 0
0.19	LL	Line of drain/sewer deviates left	8507063	Comment / 0
1.43	OFF	Finish node type, outfall, reference RESTBEND	8507066	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.6A LEG2



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.6A X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**43**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.6A**
End Node **F2.6**
Total length **0.9 metres**

Scale **1:0.05**
Direction **Downstream**

Start Node Ref:F2.6A | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.6A	8507116	Comment / 0
0.00	WL	Water level 05% height/diameter	8507117	Comment / 0
0.90	MHF	Finish node type, manhole, reference F2.6	8507118	Comment / 0

End Node Ref:F2.6 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.6A



Water level 05% height/diameter



Finish node type, manhole, reference F2.6

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**44**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.6A LEG3**
End Node **RESTBEND**
Total length **5.64 metres**

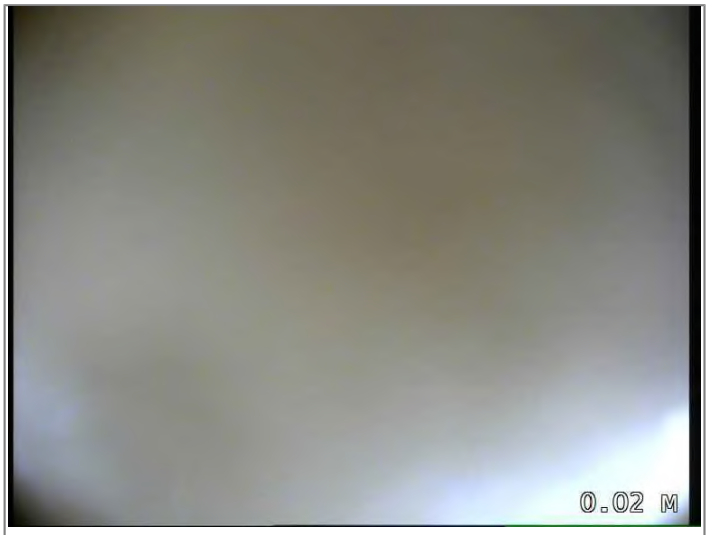
Scale **1:0.30**
Direction **Upstream**

Start Node Ref:F2.6A LEG3 | I/L : metres | Depth: 1.2 metres

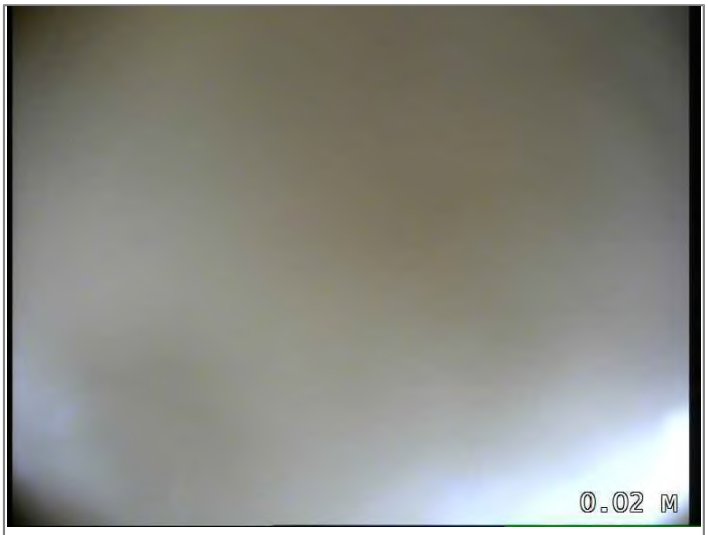
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.6A LEG3	8507119	Comment / 0
0.00	WL	Water level 05% height/diameter	8507120	Comment / 0
0.60	LR	Line of drain/sewer deviates right	8507122	Comment / 0
5.64	OFF	Finish node type, outfall, reference RESTBEND	8507124	Comment / 0

End Node Ref:RESTBEND | I/L : metres

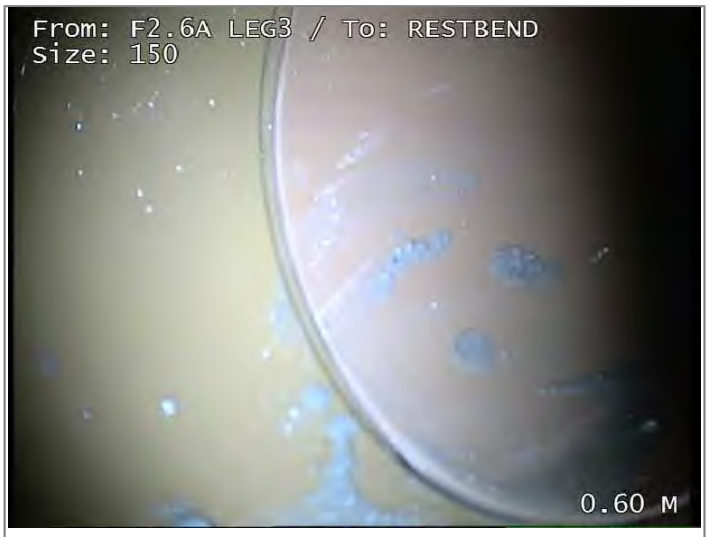
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



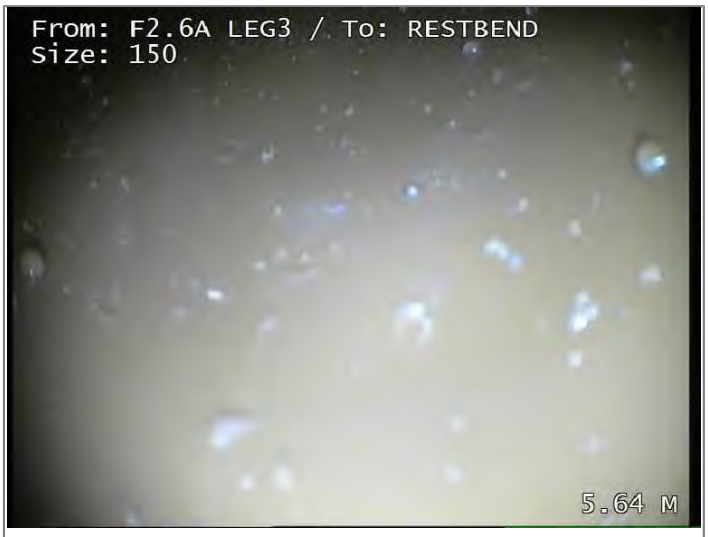
Start node type, manhole, reference F2.6A LEG3



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**45**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.6A LEG4**
End Node **RESTBEND**
Total length **5.52 metres**

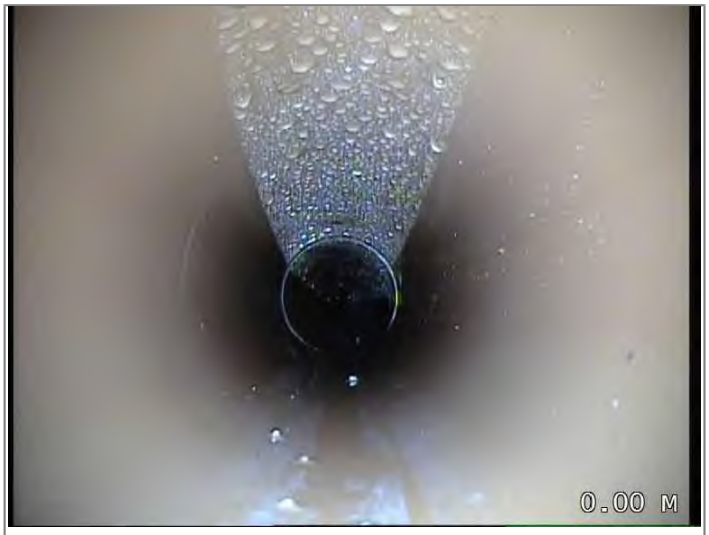
Scale **1:0.29**
Direction **Upstream**

Start Node Ref:F2.6A LEG4 | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.6A LEG4	8507139	Comment / 0
0.00	WL	Water level 05% height/diameter	8507140	Comment / 0
5.52	OFF	Finish node type, outfall, reference RESTBEND	8507141	Comment / 0

End Node Ref:RESTBEND | I/L : metres

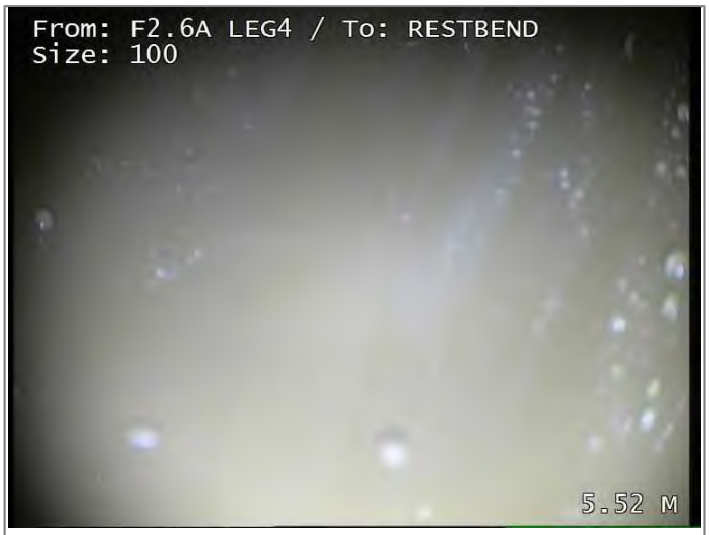
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.6A LEG4



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**46**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.6 LEG1**
End Node **RESTBEND**
Total length **2.69 metres**

Scale **1:0.14**
Direction **Upstream**

Start Node Ref:F2.6 LEG1 | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.6 LEG1	8507143	Comment / 0
0.00	WL	Water level 05% height/diameter	8507144	Comment / 0
1.38	LL	Line of drain/sewer deviates left	8507145	Comment / 0
2.69	OFF	Finish node type, outfall, reference RESTBEND	8507163	Comment / 0

End Node Ref:RESTBEND | I/L : metres

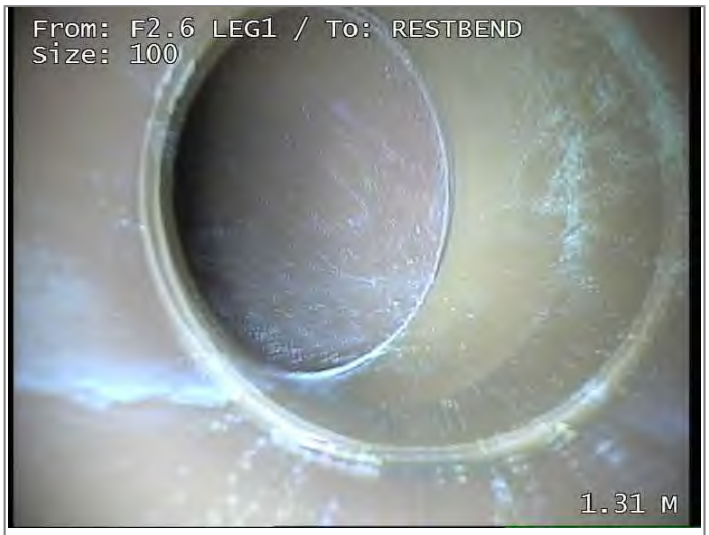
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.6 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**47**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.6 LEG2**
End Node **RESTBEND**
Total length **2.36 metres**

Scale **1:0.12**
Direction **Upstream**

Start Node Ref:F2.6 LEG2 | I/L : metres | Depth: 1.2 metres

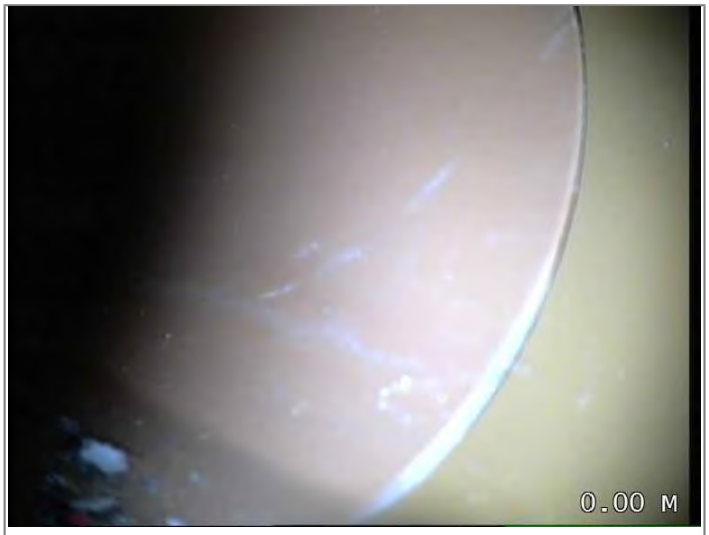
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.6 LEG2	8507164	Comment / 0
0.00	WL	Water level 05% height/diameter	8507165	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8507166	Comment / 0
2.36	OFF	Finish node type, outfall, reference RESTBEND	8507167	Comment / 0

End Node Ref:RESTBEND | I/L : metres

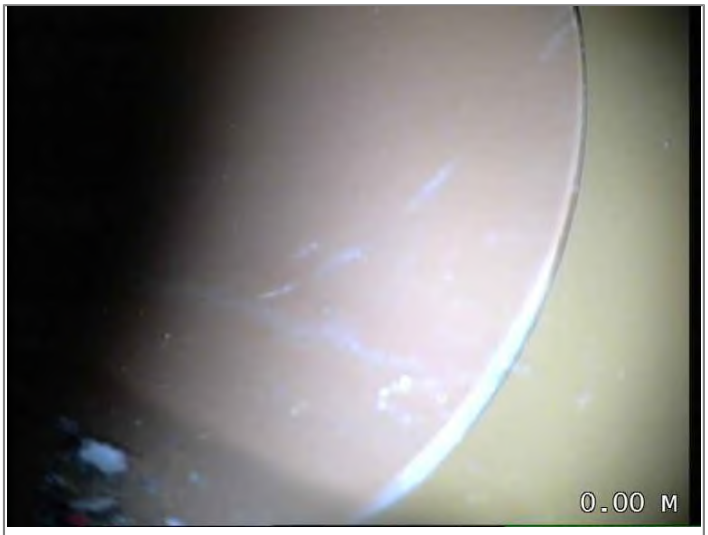
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.6 LEG2



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.6 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**48**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.6**
End Node **F2.7**
Total length **2.52 metres**

Scale **1:0.13**
Direction **Downstream**

Start Node Ref:F2.6 | I/L : metres | Depth: 1.2 metres

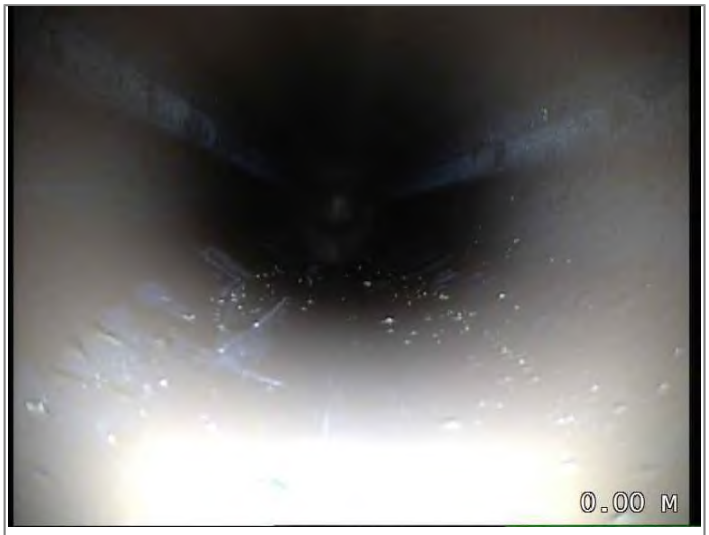
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.6	8507172	Comment / 0
0.00	WL	Water level 05% height/diameter	8507174	Comment / 0
1.55	LD	Line of drain/sewer deviates down	8507175	Comment / 0
2.52	MHF	Finish node type, manhole, reference F2.7	8507176	Comment / 0

End Node Ref:F2.7 | I/L : metres | Depth: 2.43 metres

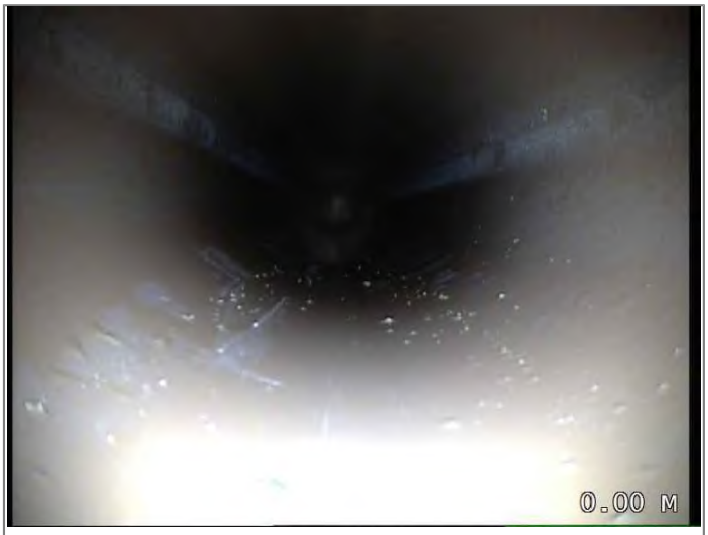
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.6



Water level 05% height/diameter



Line of drain/sewer deviates down



Finish node type, manhole, reference F2.7

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.9 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**49**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.9**
End Node **F2.11**
Total length **3.79 metres**

Scale **1:0.20**
Direction **Downstream**

Start Node Ref:F2.9 | I/L : metres | Depth: 2.72 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.9	8508826	Comment / 0
0.00	WL	Water level 05% height/diameter	8508839	Comment / 0
2.69	LR	Line of drain/sewer deviates right	8508847	Comment / 0
3.79	MHF	Finish node type, manhole, reference F2.11	8508853	Comment / 0

End Node Ref:F2.11 | I/L : metres | Depth: 2.72 metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.9



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference F2.11

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.8 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**50**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.11**
End Node **F2.8**
Total length **4.02 metres**

Scale **1:0.21**
Direction **Upstream**

Start Node Ref:F2.11 | I/L : metres | Depth: 2.72 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.11	8508863	Comment / 0
0.00	WL	Water level 05% height/diameter	8508873	Comment / 0
3.71	LR	Line of drain/sewer deviates right	8508954	Comment / 0
4.02	MHF	Finish node type, manhole, reference F2.8	8508966	Comment / 0

End Node Ref:F2.8 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.11



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference F2.8

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**51**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.9 LEG1**
End Node **RESTBEND**
Total length **3.57 metres**

Scale **1:0.19**
Direction **Upstream**

Start Node Ref:F2.9 LEG1 | I/L : metres | Depth: 2.72 metres

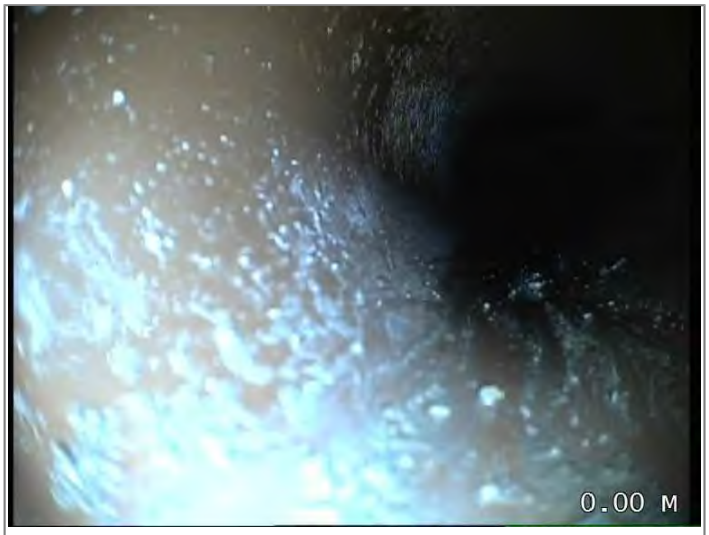
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.11 LEG1	8509046	Comment / 0
0.00	WL	Water level 05% height/diameter	8509048	Comment / 0
0.57	LR	Line of drain/sewer deviates right	8509156	Comment / 0
3.57	OFF	Finish node type, outfall, reference RESTBEND	8509158	Comment / 0

End Node Ref:RESTBEND | I/L : metres

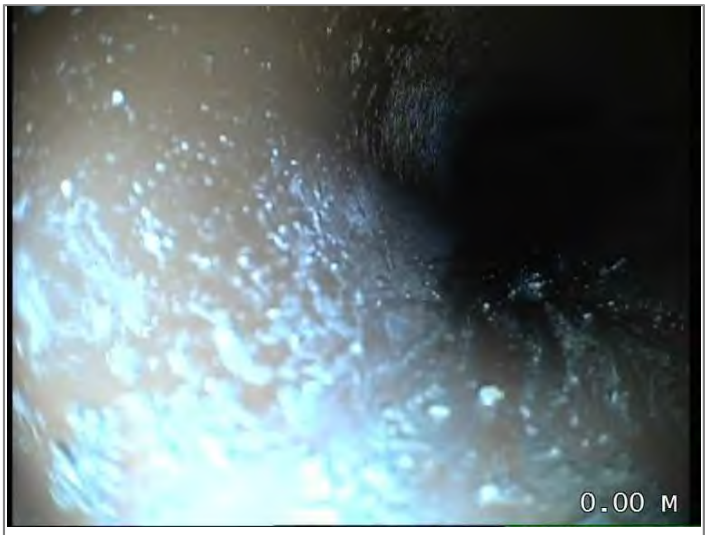
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.11 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**52**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.9 LEG2**
End Node **RESTBEND**
Total length **3.64 metres**

Scale **1:0.19**
Direction **Upstream**

Start Node Ref:F2.9 LEG2 | I/L : metres | Depth: 2.72 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.11 LEG2	8509160	Comment / 0
0.00	WL	Water level 05% height/diameter	8509161	Comment / 0
0.57	LR	Line of drain/sewer deviates right	8509162	Comment / 0
3.64	OFF	Finish node type, outfall, reference RESTBEND	8509163	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
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Start node type, manhole, reference F2.11 LEG2



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**53**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.9 LEG3**
End Node **RESTBEND**
Total length **2.98 metres**

Scale **1:0.16**
Direction **Upstream**

Start Node Ref:F2.9 LEG3 | I/L : metres | Depth: 2.72 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.11 LEG3	8509168	Comment / 0
0.00	WL	Water level 05% height/diameter	8509169	Comment / 0
2.98	OFF	Finish node type, outfall, reference RESTBEND	8509170	Comment / 0

End Node Ref:RESTBEND | I/L : metres

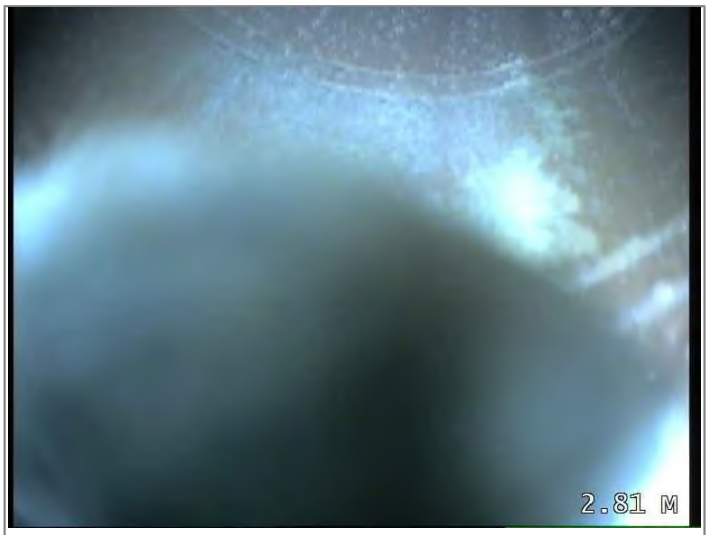
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.11 LEG3



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**54**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.9 LEG4**
End Node **RESTBEND**
Total length **1.26 metres**

Scale **1:0.07**
Direction **Upstream**

Start Node Ref:F2.9 LEG4 | I/L : metres | Depth: 2.72 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.11 LEG3	8509171	Comment / 0
0.00	WL	Water level 05% height/diameter	8509172	Comment / 0
0.60	LL	Line of drain/sewer deviates left	8509173	Comment / 0
1.26	OFF	Finish node type, outfall, reference RESTBEND	8509174	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
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Start node type, manhole, reference F2.11 LEG3



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**55**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.9 LEG5**
End Node **RESTBEND**
Total length **0.98 metres**

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

Start Node Ref:F2.9 LEG5 | I/L : metres | Depth: 2.72 metres



Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.11 LEG5	8509181	Comment / 0
0.00	WL	Water level 05% height/diameter	8509182	Comment / 0
0.36	LL	Line of drain/sewer deviates left	8509183	Comment / 0
0.98	OFF	Finish node type, outfall, reference RESTBEND	8509184	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.11 LEG5



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**56**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.9 LEG6**
End Node **RESTBEND**
Total length **1.5 metres**

Scale **1:0.08**
Direction **Upstream**

Start Node Ref:F2.9 LEG6 | I/L : metres | Depth: 2.72 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.11 LEG6	8509185	Comment / 0
0.00	WL	Water level 05% height/diameter	8509186	Comment / 0
0.86	LL	Line of drain/sewer deviates left	8509187	Comment / 0
1.50	OFF	Finish node type, outfall, reference RESTBEND	8509188	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.11 LEG6



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.10B X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**57**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10A**
End Node **F2.10B**
Total length **6.05 metres**

Scale **1:0.32**
Direction **Upstream**

Start Node Ref:F2.10A | I/L : metres | Depth: 2.43 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10A	8509239	Comment / 0
0.00	WL	Water level 05% height/diameter	8509240	Comment / 0
6.05	MHF	Finish node type, manhole, reference F2.10B (INACCESSIBLE)	8509241	Comment / 0

End Node Ref:F2.10B | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.10A



Water level 05% height/diameter



Finish node type, manhole, reference F2.10B (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**58**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10A LEG1**
End Node **RESTBEND**
Total length **0.62 metres**

Scale **1:0.03**
Direction **Upstream**

Start Node Ref:F2.10A LEG1 | I/L : metres | Depth: 2.43 metres

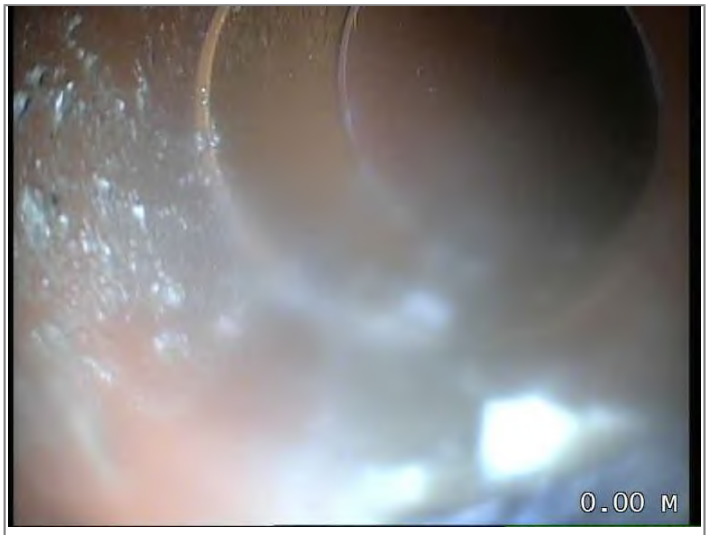
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10A LEG1	8509254	Comment / 0
0.00	WL	Water level 05% height/diameter	8509256	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 100mm	8509268	Comment / 0
0.62	OFF	Finish node type, outfall, reference RESTBEND	8509270	Comment / 0

End Node Ref:RESTBEND | I/L : metres

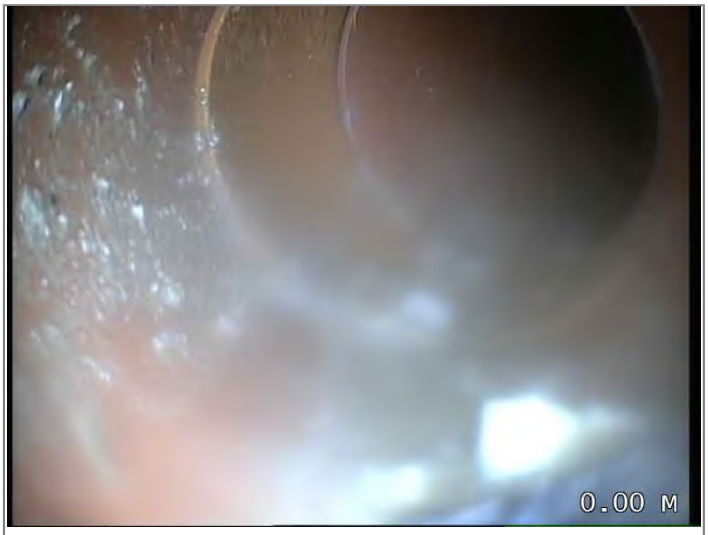
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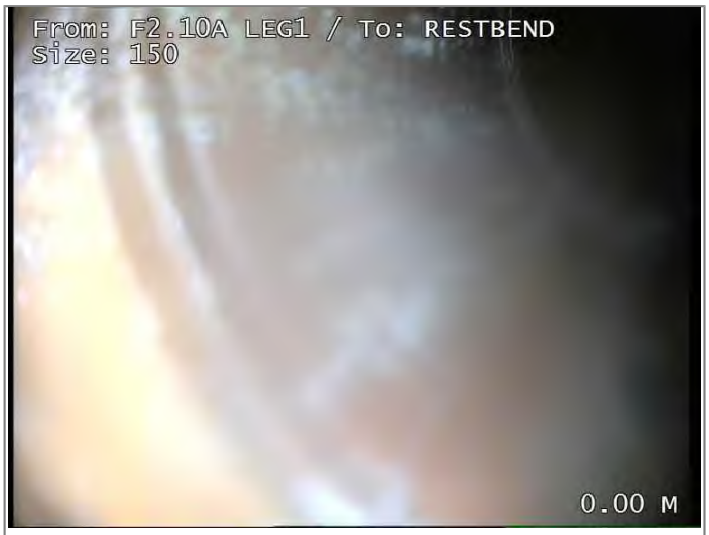
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.10A LEG1



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.10A X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**59**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10A**
End Node **F2.10**
Total length **3.86 metres**

Scale **1:0.20**
Direction **Downstream**

Start Node Ref:F2.10A | I/L : metres | Depth: 2.43 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10A	8509289	Comment / 0
0.00	WL	Water level 05% height/diameter	8509290	Comment / 0
0.55	LL	Line of drain/sewer deviates left	8509291	Comment / 0
3.69	LR	Line of drain/sewer deviates right	8509292	Comment / 0
3.86	MHF	Finish node type, manhole, reference F2.10	8509293	Comment / 0

End Node Ref:F2.10 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.10A



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates right



Finish node type, manhole, reference F2.10

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**60**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16A LEG1**
End Node **RESTBEND**
Total length **4.74 metres**

Scale **1:0.25**
Direction **Upstream**

Start Node Ref:F2.16A LEG1 | I/L : metres | Depth: 1.25 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.16A	8509422	Comment / 0
0.00	WL	Water level 05% height/diameter	8509423	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8509424	Comment / 0
4.74	OFF	Finish node type, outfall, reference RESTBEND	8509431	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.16A



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**61**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16A LEG2**
End Node **RESTBEND**
Total length **1.19 metres**

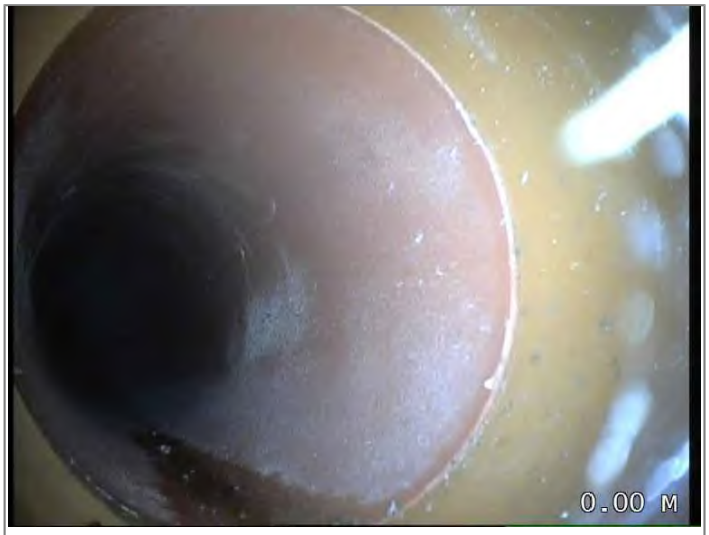
Scale **1:0.06**
Direction **Upstream**

Start Node Ref:F2.16A LEG2 | I/L : metres | Depth: 1.25 metres

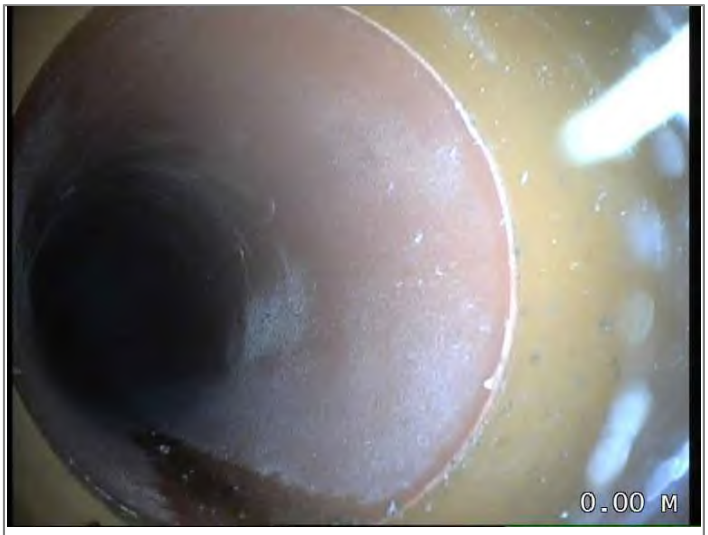
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.16A LEG2	8509440	Comment / 0
0.00	WL	Water level 05% height/diameter	8509442	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8509443	Comment / 0
1.19	OFF	Finish node type, outfall, reference RESTBEND	8509444	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.16A LEG2



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.16A X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**62**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16A**
End Node **F2.16**
Total length **5.02 metres**

Scale **1:0.26**
Direction **Downstream**

Start Node Ref:F2.16A | I/L : metres | Depth: 1.25 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.16A	8509449	Comment / 0
0.00	WL	Water level 05% height/diameter	8509904	Comment / 0
0.60	LD	Line of drain/sewer deviates down	8509905	Comment / 0
5.02	MHF	Finish node type, manhole, reference F2.16	8509906	Comment / 0

End Node Ref:F2.16 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.16A



Water level 05% height/diameter



Line of drain/sewer deviates down



Finish node type, manhole, reference F2.16

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.16 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**63**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16**
End Node **F2.17**
Total length **10.88 metres**

Scale **1:0.57**
Direction **Downstream**

Start Node Ref:F2.16 | I/L : metres | Depth: 3.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.16	8509907	Comment / 0
0.00	WL	Water level 05% height/diameter	8509908	Comment / 0
8.43	CN	Connection other than junction at 12 o'clock, diameter 150mm	8509909	Comment / 0
10.88	MHF	Finish node type, manhole, reference F2.17	8509910	Comment / 0

End Node Ref:F2.17 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.16



Water level 05% height/diameter



Connection other than junction at 12 o'clock, diameter 150mm



Finish node type, manhole, reference F2.17

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.15 X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**64**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16 LEG1**
End Node **F2.15**
Total length **2.14 metres**

Scale **1:0.11**
Direction **Upstream**

Start Node Ref:F2.16 LEG1 | I/L : metres | Depth: 3.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.16 LEG1	8509912	Comment / 0
0.00	WL	Water level 05% height/diameter	8509913	Comment / 0
2.14	MHF	Finish node type, manhole, reference F2.15	8509914	Comment / 0

End Node Ref:F2.15 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.16 LEG1



Water level 05% height/diameter



Finish node type, manhole, reference F2.15

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**13/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**65**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16 LEG2**
End Node **RESTBEND**
Total length **5.79 metres**

Scale **1:0.30**
Direction **Upstream**

Start Node Ref:F2.16 LEG2 | I/L : metres | Depth: 3.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.16 LEG2	8509915	Comment / 0
0.00	WL	Water level 05% height/diameter	8509916	Comment / 0
5.79	OFF	Finish node type, outfall, reference RESTBEND	8509917	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**13/09/2023**



Start node type, manhole, reference F2.16 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**66**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16B**
End Node **RESTBEND**
Total length **1.21 metres**

Scale **1:0.06**
Direction **Upstream**

Start Node Ref:F2.16B | I/L : metres | Depth: 1.50 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.16B	8511432	Comment / 0
0.00	WL	Water level 05% height/diameter	8511433	Comment / 0
1.21	OFF	Finish node type, outfall, reference F2.16 - F2.17 CARRIER	8511473	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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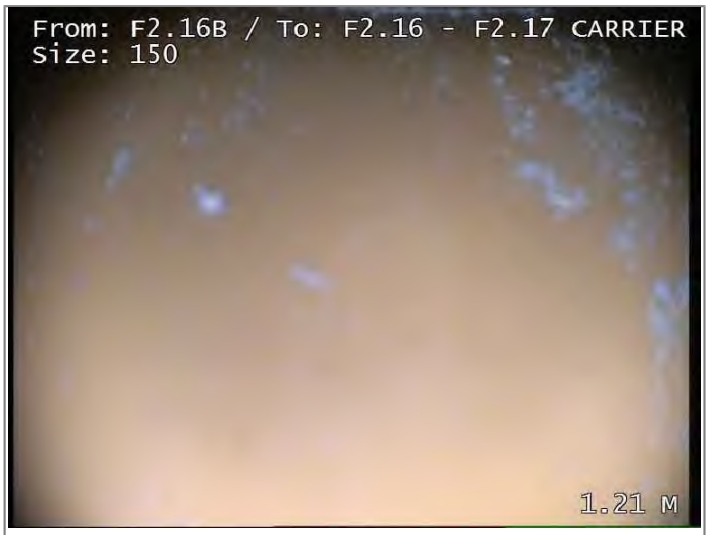
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.16B



Water level 05% height/diameter



Finish node type, outfall, reference F2.16 - F2.17 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.16B X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**67**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16B**
End Node **F2.16 - F2.17 CARRIER**
Total length **1.6 metres**

Scale **1:0.08**
Direction **Downstream**

Start Node Ref:F2.16B | I/L : metres | Depth: 1.50 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.16B	8511485	Comment / 0
0.00	WL	Water level 05% height/diameter	8511487	Comment / 0
0.00	LD	Line of drain/sewer deviates down	8511488	Comment / 0
0.02	LR	Line of drain/sewer deviates right	8511489	Comment / 0



1.60	LR	Line of drain/sewer deviates right - Remark: F2.16-F2.17 CARRIER	8511521	Comment / 0

End Node Ref:F2.16 - F2.17 CARRIER | I/L : metres

BUXTONWATER

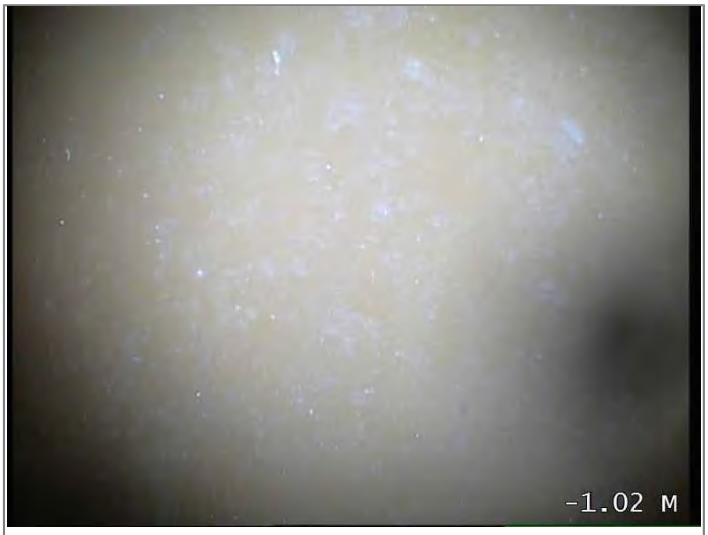
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.16B



Water level 05% height/diameter



Line of drain/sewer deviates down



Line of drain/sewer deviates right



Line of drain/sewer deviates right - Remark: F2.16-F2.17 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**68**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16B LEG1**
End Node **RESTBEND**
Total length **3.79 metres**

Scale **1:0.20**
Direction **Upstream**

Start Node Ref:F2.16B LEG1 | I/L : metres | Depth: 1.50 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.16B LEG1	8511522	Comment / 0
0.00	WL	Water level 05% height/diameter	8511523	Comment / 0
0.52	LL	Line of drain/sewer deviates left	8511528	Comment / 0
3.79	OFF	Finish node type, outfall, reference RESTBEND	8511529	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.16B LEG1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**69**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.16B LEG2**
End Node **RESTBEND**
Total length **0 metres**

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

Start Node Ref:F2.16B LEG2 | I/L : metres | Depth: 1.50 metres

Position	Code	Description	Photo	Type/Grade
0.00	OFF	Finish node type, outfall, reference CAPPED	8511533	Comment / 0
0.00	MH	Start node type, manhole, reference F2.16B LEG2	8511530	Comment / 0
0.00	WL	Water level 05% height/diameter	8511532	Comment / 0



End Node Ref:RESTBEND | I/L : metres

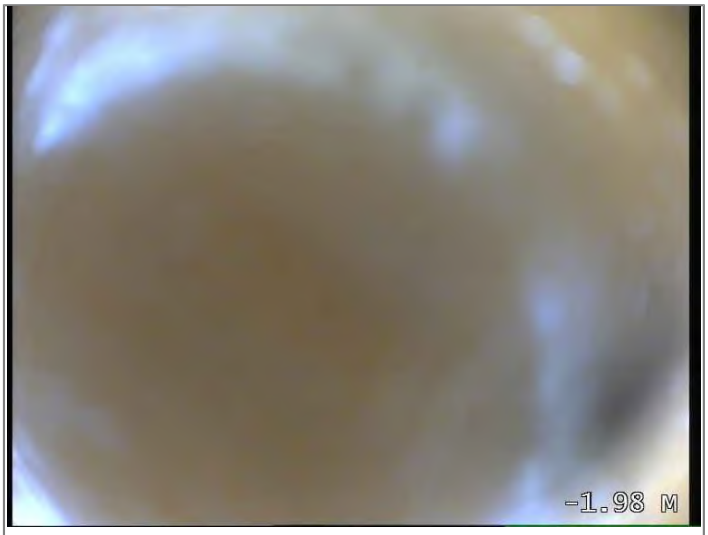
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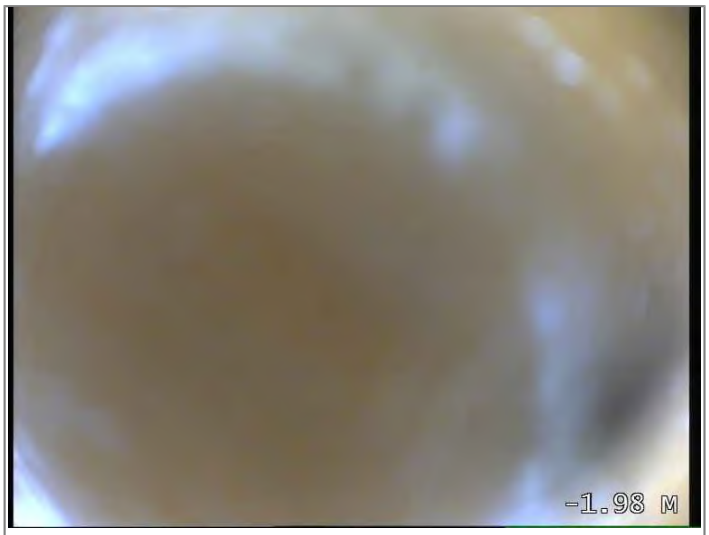
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Finish node type, outfall, reference CAPPED



Start node type, manhole, reference F2.16B LEG2



Water level 05% height/diameter

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.17 X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**70**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.17**
End Node **F2.20A**
Total length **13.74 metres**

Scale **1:0.72**
Direction **Downstream**

Start Node Ref:F2.17 | I/L : metres | Depth: 3.10 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.17	8511592	Comment / 0
0.00	WL	Water level 05% height/diameter	8511599	Comment / 0
2.40	LR	Line of drain/sewer deviates right	8511625	Comment / 0
2.50	CN	Connection other than junction at 11 o'clock, diameter 150mm	8511628	Comment / 0
5.29	LL	Line of drain/sewer deviates left	8511650	Comment / 0
12.98	LR	Line of drain/sewer deviates right	8511652	Comment / 0
13.74	MHF	Finish node type, manhole, reference F2.20A	8511654	Comment / 0

End Node Ref:F2.20A | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.17



Water level 05% height/diameter



Line of drain/sewer deviates right



Connection other than junction at 11 o'clock, diameter 150mm



Line of drain/sewer deviates left



Line of drain/sewer deviates right

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Finish node type, manhole, reference F2.20A

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**71**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.17 LEG1**
End Node **RESTBEND**
Total length **1.9 metres**

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

Start Node Ref:F2.17 LEG1 | I/L : metres | Depth: 3.10 metres



Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.17 LEG1	8511758	Comment / 0
0.00	WL	Water level 05% height/diameter	8511769	Comment / 0
0.57	LU	Line of drain/sewer deviates up	8511778	Comment / 0
1.57	LR	Line of drain/sewer deviates right	8511792	Comment / 0
1.90	OFF	Finish node type, outfall, reference RESTBEND	8511974	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.17 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates up



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**72**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.17A LEG1**
End Node **RESTBEND**
Total length **1.6 metres**

Scale **1:0.08**
Direction **Upstream**

Start Node Ref:F2.17A LEG1 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.17A LEG1	8512044	Comment / 0
0.00	WL	Water level 05% height/diameter	8512045	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8512046	Comment / 0
1.60	OFF	Finish node type, outfall, reference RESTBEND	8512047	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.17A LEG1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.17A X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**73**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.17A**
End Node **F2.17-F2.20A CARRIER**
Total length **2.07 metres**

Scale **1:0.11**
Direction **Downstream**

Start Node Ref:F2.17A | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.17A	8512078	Comment / 0
0.00	WL	Water level 05% height/diameter	8512079	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8512082	Comment / 0
0.29	LD	Line of drain/sewer deviates down	8512083	Comment / 0
2.07	LL	Line of drain/sewer deviates left - Remark: F2.17-F2.20A CARRIER	8512103	Comment / 0

End Node Ref:F2.17-F2.20A CARRIER | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.17A



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates down



Line of drain/sewer deviates left - Remark: F2.17-F2.20A CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**74**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.17A LEG2**
End Node **RESTBEND**
Total length **0.67 metres**

Scale **1:0.04**
Direction **Upstream**

Start Node Ref:F2.17A LEG2 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.17A LEG2	8512107	Comment / 0
0.00	WL	Water level 05% height/diameter	8512111	Comment / 0
0.67	OFF	Finish node type, outfall, reference RESTBEND	8512121	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.17A LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**75**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.17A LEG3**
End Node **RESTBEND**
Total length **4.17 metres**

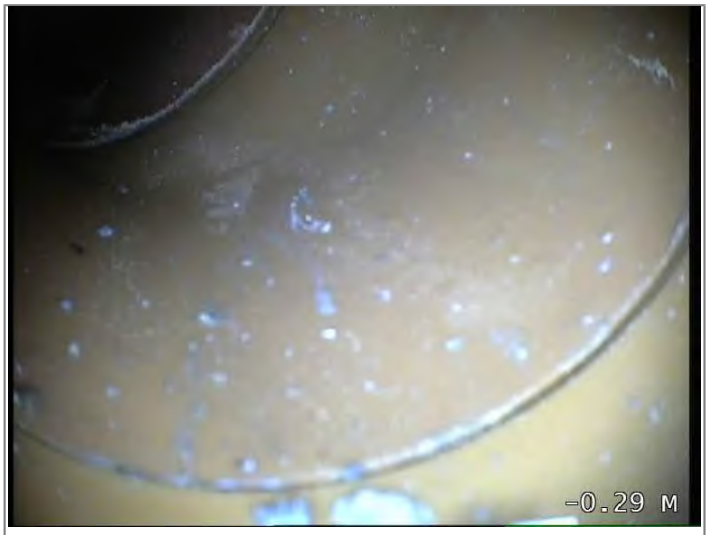
Scale **1:0.22**
Direction **Upstream**

Start Node Ref:F2.17A LEG3 | I/L : metres | Depth: 1.48 metres

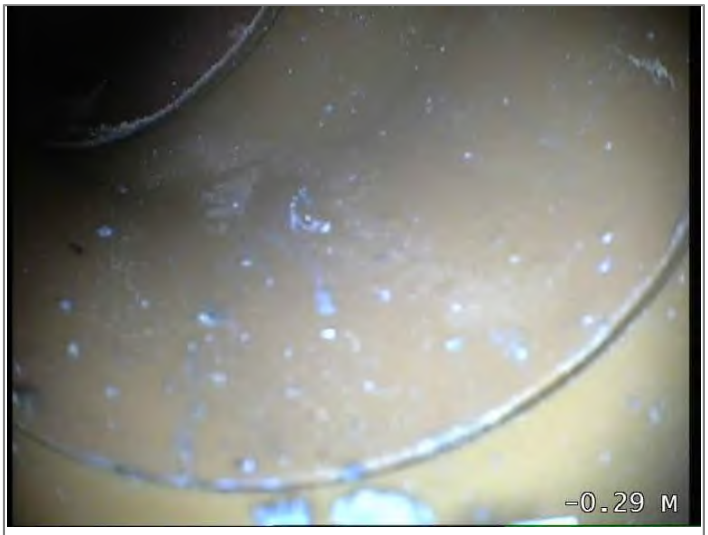
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.17A LEG3	8512184	Comment / 0
0.00	WL	Water level 05% height/diameter	8512186	Comment / 0
4.17	OFF	Finish node type, outfall, reference RESTBEND	8512187	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.17A LEG3



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.10 X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**76**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10**
End Node **F2.11**
Total length **3.4 metres**

Scale **1:0.18**
Direction **Downstream**

Start Node Ref:F2.10 | I/L : metres | Depth: 1.3 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10	8515275	Comment / 0
0.00	WL	Water level 05% height/diameter	8515276	Comment / 0
0.52	LR	Line of drain/sewer deviates right	8515277	Comment / 0
1.33	LL	Line of drain/sewer deviates left	8515278	Comment / 0
3.40	MHF	Finish node type, manhole, reference F2.11	8515279	Comment / 0

End Node Ref:F2.11 | I/L : metres | Depth: 2.72 metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.10



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates left



Finish node type, manhole, reference F2.11

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**77**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10 LEG1**
End Node **RESTBEND**
Total length **4.14 metres**

Scale **1:0.22**
Direction **Upstream**

Start Node Ref:F2.10 LEG1 | I/L : metres | Depth: 1.3 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10 LEG1	8515280	Comment / 0
0.00	WL	Water level 05% height/diameter	8515281	Comment / 0
4.14	OFF	Finish node type, outfall, reference RESTBEND	8515282	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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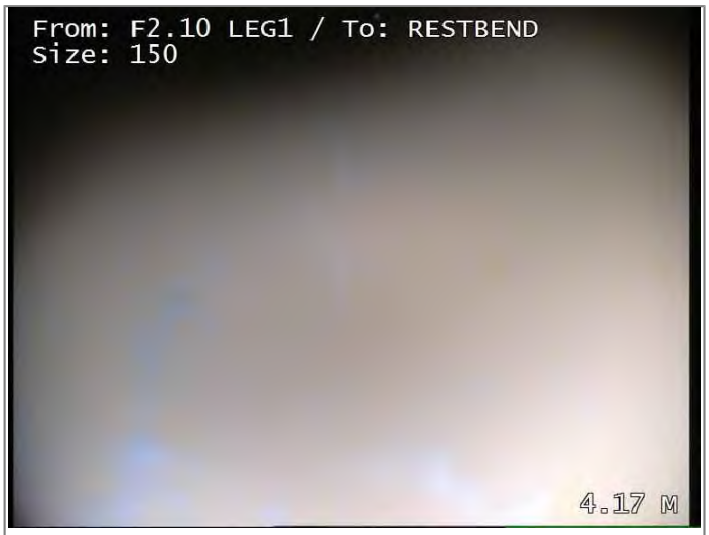
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.10 LEG1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**UNKNOWN X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**78**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10 LEG2**
End Node **UNKNOWN**
Total length **0 metres**

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

Start Node Ref:F2.10 LEG2 | I/L : metres | Depth: 1.43 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10A LEG2	8515283	Comment / 0
0.00	WL	Water level 05% height/diameter	8515284	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP DRAINUNABLE TO SURVEY	8515285	Comment / 0



End Node Ref:UNKNOWN | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.10A LEG2



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP DRAINUNABLE TO SURVEY

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**79**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10 LEG3**
End Node **RESTBEND**
Total length **2.62 metres**

Scale **1:0.14**
Direction **Upstream**

Start Node Ref:F2.10 LEG3 | I/L : metres | Depth: 1.3 metres

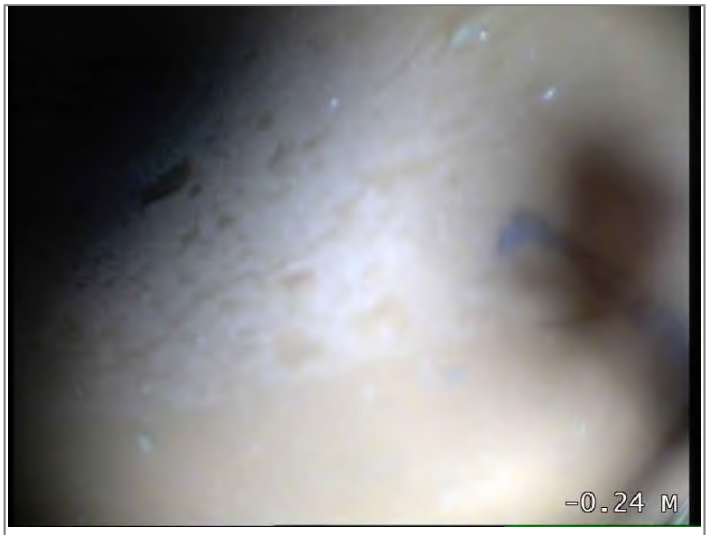
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10 LEG3	8515287	Comment / 0
0.00	WL	Water level 05% height/diameter	8515288	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8515290	Comment / 0
2.62	OFF	Finish node type, outfall, reference RESTBEND	8515291	Comment / 0

End Node Ref:RESTBEND | I/L : metres

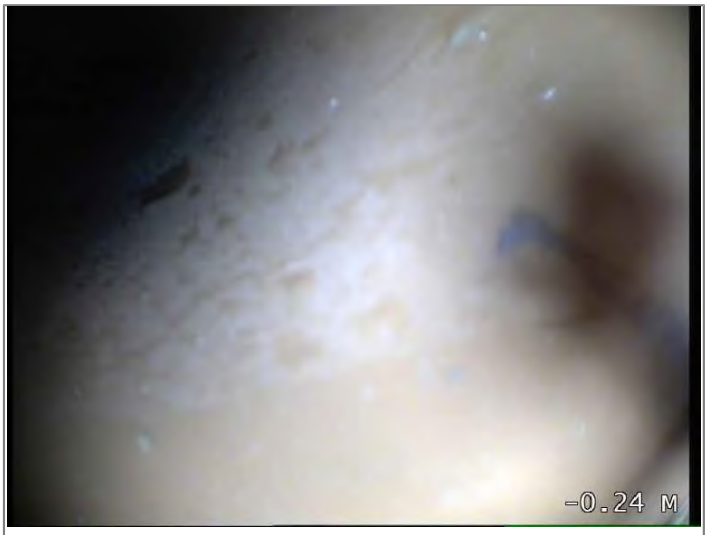
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



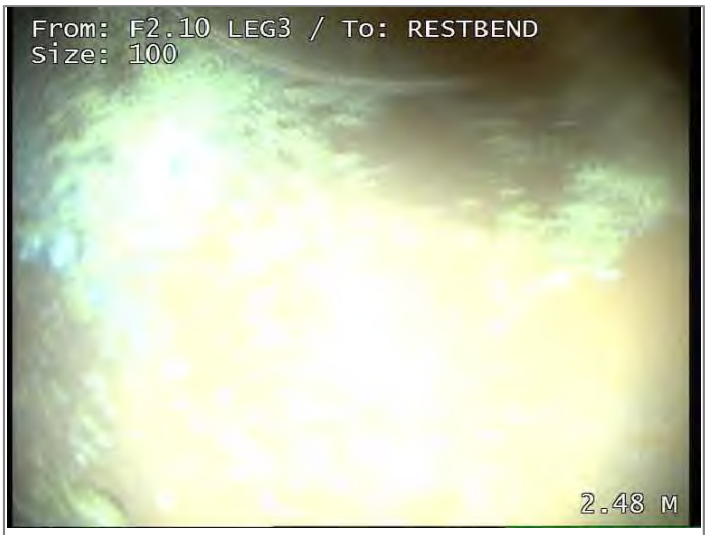
Start node type, manhole, reference F2.10 LEG3



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.11 X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**80**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.11**
End Node **F2.13**
Total length **10.74 metres**

Scale **1:0.56**
Direction **Downstream**

Start Node Ref:F2.11 | I/L : metres | Depth: 1.93 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.11	8515292	Comment / 0
0.00	WL	Water level 05% height/diameter	8515293	Comment / 0
8.95	LL	Line of drain/sewer deviates left	8515294	Comment / 0
10.74	MHF	Finish node type, manhole, reference F2.13	8515295	Comment / 0

End Node Ref:F2.13 | I/L : metres | Depth: 2.08 metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.11



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, manhole, reference F2.13

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.13 X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**81**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.13**
End Node **F2.16**
Total length **8.36 metres**

Scale **1:0.44**
Direction **Downstream**

Start Node Ref:F2.13 | I/L : metres | Depth: 2.08 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.13	8515297	Comment / 0
0.00	WL	Water level 05% height/diameter	8515298	Comment / 0
7.12	LR	Line of drain/sewer deviates right	8515299	Comment / 0
8.36	MHF	Finish node type, manhole, reference F2.16	8515301	Comment / 0

End Node Ref:F2.16 | I/L : metres | Depth: 3.0 metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.13



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference F2.16

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**82**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.13 LEG1**
End Node **RESTBEND**
Total length **0.9 metres**

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

Start Node Ref:F2.13 LEG1 | I/L : metres | Depth: 2.08 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.13 LEG1	8515302	Comment / 0
0.00	WL	Water level 05% height/diameter	8515304	Comment / 0
0.60	LL	Line of drain/sewer deviates left	8515306	Comment / 0
0.90	OFF	Finish node type, outfall, reference RESTBEND	8515308	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.13 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.12 (INAX**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**83**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.13**
End Node **F2.12 (INACCESSIBLE)**
Total length **7.24 metres**

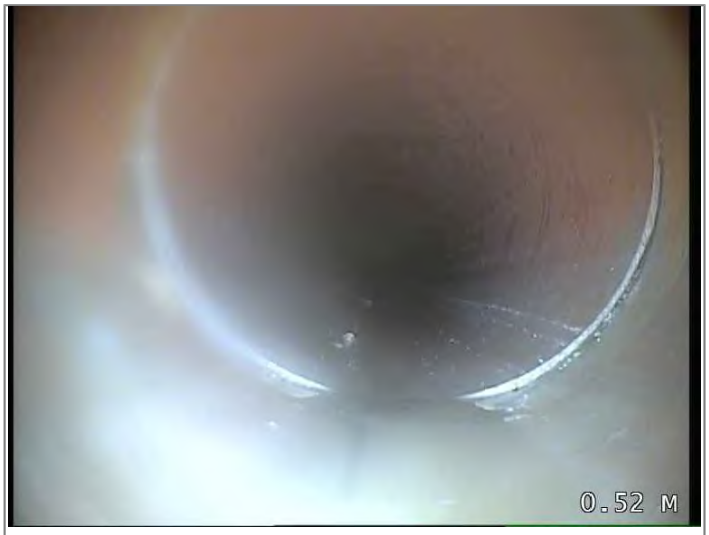
Scale **1:0.38**
Direction **Upstream**

Start Node Ref:F2.13 | I/L : metres | Depth: 2.08 metres

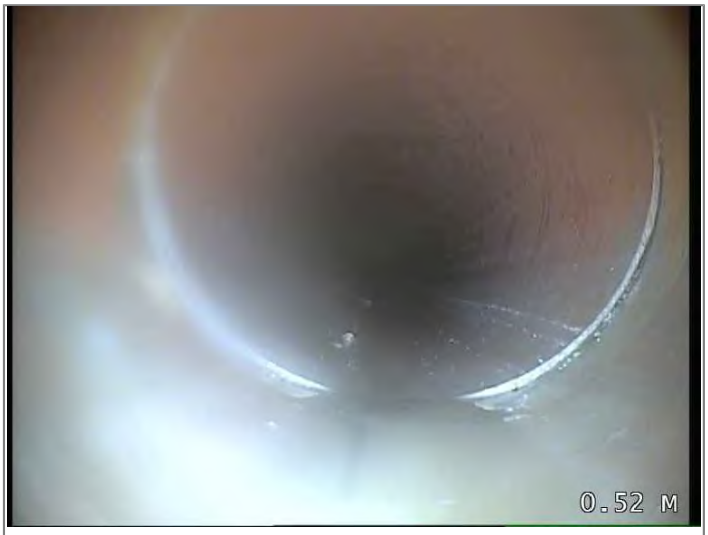
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.13	8515309	Comment / 0
0.00	WL	Water level 05% height/diameter	8515310	Comment / 0
7.24	MHF	Finish node type, manhole, reference F2.14A (INACCESSIBLE)	8515312	Comment / 0

End Node Ref:F2.12 (INACCESSIBLE) | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.13



Water level 05% height/diameter



Finish node type, manhole, reference F2.14A (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.14A (INX**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**84**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.15**
End Node **F2.14A (INACCESSIBLE)**
Total length **3.14 metres**

Scale **1:0.16**
Direction **Upstream**

Start Node Ref:F2.15 | I/L : metres | Depth: 2.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.15	8515315	Comment / 0
0.00	WL	Water level 05% height/diameter	8515317	Comment / 0
3.14	MHF	Finish node type, manhole, reference F2.14A (INACCESSIBLE)	8515318	Comment / 0

End Node Ref:F2.14A (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.15



Water level 05% height/diameter



Finish node type, manhole, reference F2.14A (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**85**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.15 LEG1**
End Node **RESTBEND**
Total length **3.31 metres**

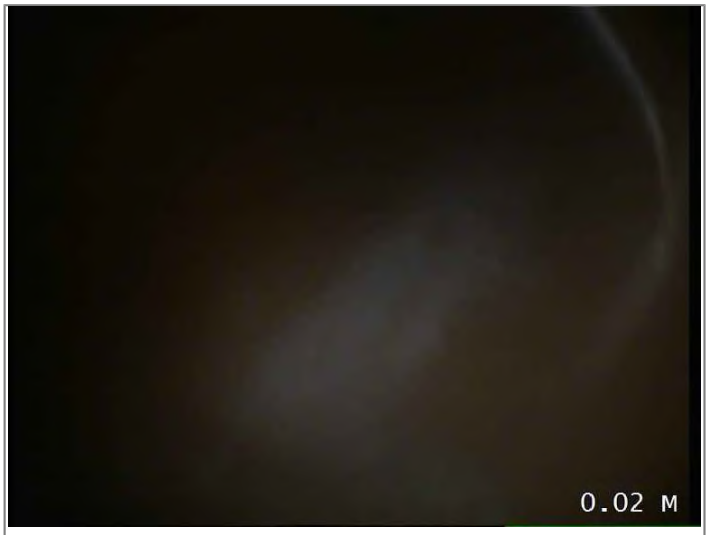
Scale **1:0.17**
Direction **Upstream**

Start Node Ref:F2.15 LEG1 | I/L : metres | Depth: 2.0 metres

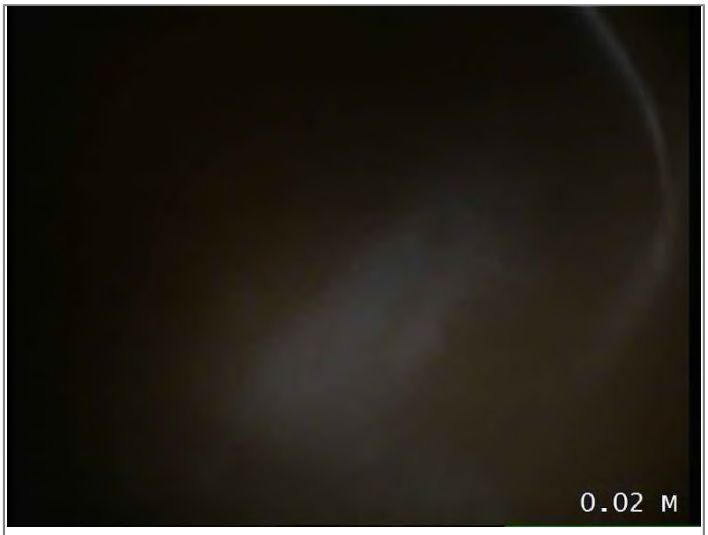
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.15 LEG1	8515320	Comment / 0
0.00	WL	Water level 05% height/diameter	8515321	Comment / 0
3.31	OFF	Finish node type, outfall, reference RESTBEND	8515322	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.15 LEG1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**86**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.15 LEG2**
End Node **RESTBEND**
Total length **0.38 metres**

Scale **1:0.02**
Direction **Upstream**

Start Node Ref:F2.15 LEG2 | I/L : metres | Depth: 2.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.15 LEG2	8515323	Comment / 0
0.00	WL	Water level 05% height/diameter	8515325	Comment / 0
0.38	OFF	Finish node type, outfall, reference RESTBEND	8515326	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference F2.15 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.1 (INACX**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**87**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.2**
End Node **S1.1 (INACCESSIBLE)**
Total length **2.67 metres**

Scale **1:0.14**
Direction **Upstream**

Start Node Ref:S1.2 | I/L : metres | Depth: 1.24 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.2	8515438	Comment / 0
0.00	WL	Water level 05% height/diameter	8515439	Comment / 0
2.67	OFF	Finish node type, outfall, reference CAPPED	8515440	Comment / 0

End Node Ref:S1.1 (INACCESSIBLE) | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference S1.2



Water level 05% height/diameter



Finish node type, outfall, reference CAPPED

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.2 X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**88**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.2**
End Node **S1.2A**
Total length **6.05 metres**

Scale **1:0.32**
Direction **Downstream**

Start Node Ref:S1.2 | I/L : metres | Depth: 1.24 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.2	8515441	Comment / 0
0.00	WL	Water level 05% height/diameter	8515442	Comment / 0
6.05	MHF	Finish node type, manhole, reference S1.2A	8515443	Comment / 0

End Node Ref:S1.2A | I/L : metres | Depth: 1.4 metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference S1.2



Water level 05% height/diameter



Finish node type, manhole, reference S1.2A

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**89**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.2 LEG1**
End Node **RESTBEND**
Total length **1.26 metres**

Scale **1:0.07**
Direction **Upstream**

Start Node Ref:S1.2 LEG1 | I/L : metres | Depth: 1.24 metres

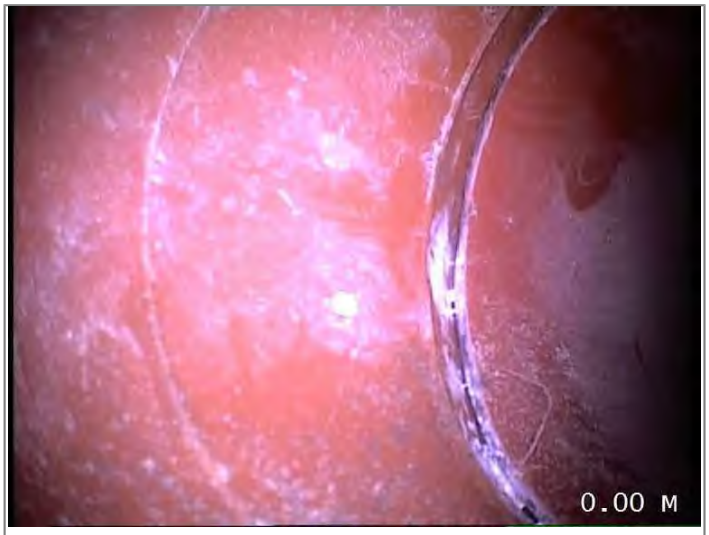
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.2 LEG1	8515444	Comment / 0
0.00	WL	Water level 05% height/diameter	8515445	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8515453	Comment / 0
1.26	OFF	Finish node type, outfall, reference CAPPED	8515454	Comment / 0

End Node Ref:RESTBEND | I/L : metres

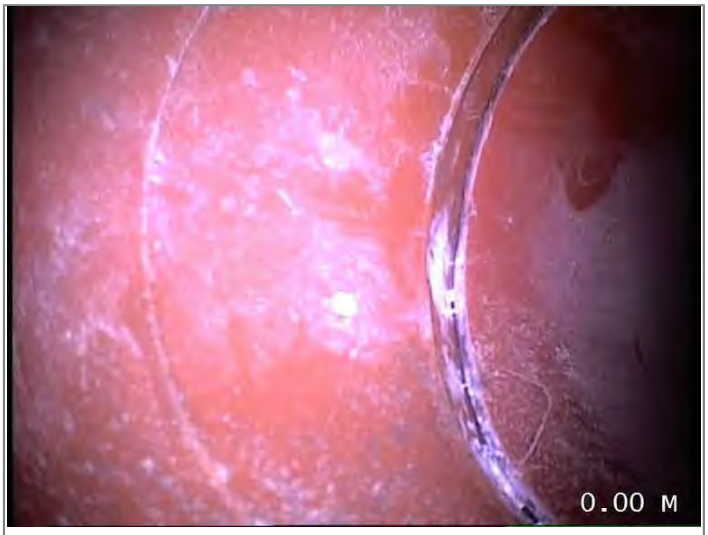
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference S1.2 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference CAPPED

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.2A X**	**14/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**90**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.2A**
End Node **S1.3 (INACCESSIBLE)**
Total length **8.93 metres**

Scale **1:0.47**
Direction **Downstream**

Start Node Ref:S1.2A | I/L : metres | Depth: 1.4 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.2A	8515455	Comment / 0
0.00	WL	Water level 05% height/diameter	8515456	Comment / 0
8.93	MHF	Finish node type, manhole, reference S1.3 (INACCESSIBLE)	8515457	Comment / 0

End Node Ref:S1.3 (INACCESSIBLE) | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**14/09/2023**



Start node type, manhole, reference S1.2A



Water level 05% height/diameter



Finish node type, manhole, reference S1.3 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.16 (INAX**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
3 - Light Rain		**0/0**	**BGBF9QDTDU**	**91**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.17**
End Node **F1.16 (INACCESSIBLE)**
Total length **4.24 metres**

Scale **1:0.22**
Direction **Upstream**

Start Node Ref:F1.17 | I/L : metres | Depth: 1.45 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.17	8517708	Comment / 0
0.00	WL	Water level 05% height/diameter	8517709	Comment / 0
4.24	MHF	Finish node type, manhole, reference F1.16 (INACCESSIBLE)	8517711	Comment / 0

End Node Ref:F1.16 (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.17



Water level 05% height/diameter



Finish node type, manhole, reference F1.16 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**92**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.17 LEG1**
End Node **RESTBEND**
Total length **5 metres**

Scale **1:0.26**
Direction **Upstream**

Start Node Ref:F1.17 LEG1 | I/L : metres | Depth: 1.45 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.17 LEG1	8517713	Comment / 0
0.00	WL	Water level 05% height/diameter	8517714	Comment / 0
0.26	LR	Line of drain/sewer deviates right	8517715	Comment / 0
5.00	OFF	Finish node type, outfall, reference RESTBEND	8517716	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.17 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**93**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.17 LEG2**
End Node **RESTBEND**
Total length **1.17 metres**

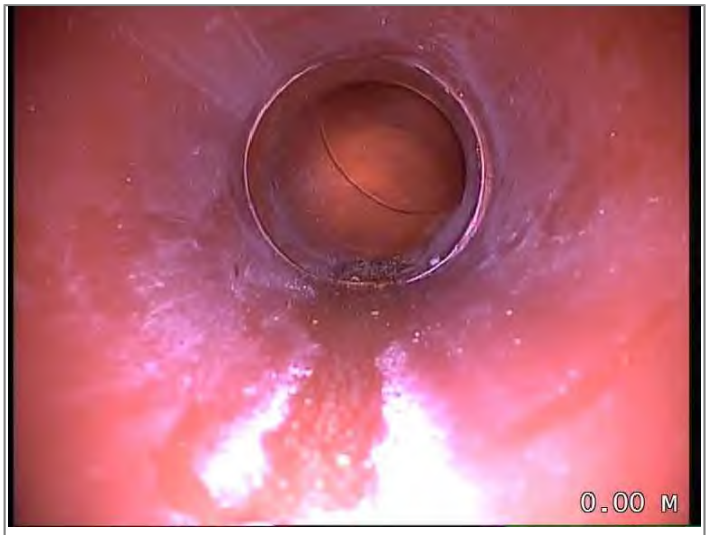
Scale **1:0.06**
Direction **Upstream**

Start Node Ref:F1.17 LEG2 | I/L : metres | Depth: 1.45 metres

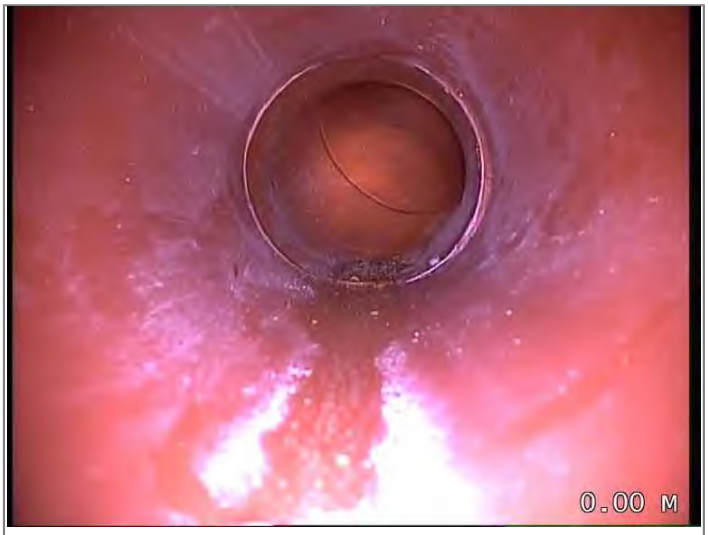
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.17 LEG2	8517721	Comment / 0
0.00	WL	Water level 05% height/diameter	8517722	Comment / 0
0.14	LR	Line of drain/sewer deviates right	8517723	Comment / 0
1.17	OFF	Finish node type, outfall, reference RESTBEND	8517724	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.17 LEG2



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.17 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**94**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.17**
End Node **F1.28**
Total length **14.74 metres**

Scale **1:0.77**
Direction **Downstream**

Start Node Ref:F1.17 | I/L : metres | Depth: 1.45 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.17	8517772	Comment / 0
0.00	WL	Water level 05% height/diameter	8517773	Comment / 0
11.76	CN	Connection other than junction at 2 o'clock, diameter 150mm	8517774	Comment / 0
14.74	MHF	Finish node type, manhole, reference F1.26	8517775	Comment / 0

End Node Ref:F1.28 | I/L : metres | Depth: 1.48 metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.17



Water level 05% height/diameter



Connection other than junction at 2 o'clock, diameter 150mm



Finish node type, manhole, reference F1.26

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**95**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.17 LEG3**
End Node **RESTBEND**
Total length **5.26 metres**

Scale **1:0.28**
Direction **Upstream**

Start Node Ref:F1.17 LEG3 | I/L : metres | Depth: 1.45 metres



Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.17 LEG3	8517776	Comment / 0
0.00	WL	Water level 05% height/diameter	8517777	Comment / 0
0.33	LL	Line of drain/sewer deviates left	8517778	Comment / 0
3.29	JN	Junction at 12 o'clock, diameter 100mm	8517779	Comment / 0
3.57	LL	Line of drain/sewer deviates left	8517780	Comment / 0
5.26	OFF	Finish node type, outfall, reference RESTBEND	8517781	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.17 LEG3



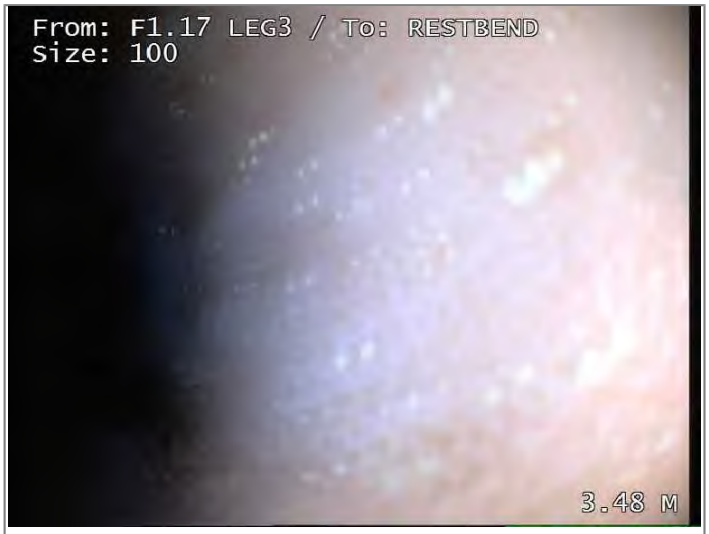
Water level 05% height/diameter



Line of drain/sewer deviates left



Junction at 12 o'clock, diameter 100mm



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**96**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.17 LEG4**
End Node **RESTBEND**
Total length **2.14 metres**

Scale **1:0.11**
Direction **Upstream**

Start Node Ref:F1.17 LEG4 | I/L : metres | Depth: 1.45 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.17 LEG4	8517782	Comment / 0
0.00	WL	Water level 05% height/diameter	8517783	Comment / 0
2.14	OFF	Finish node type, outfall, reference RESTBEND	8517784	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.17 LEG4



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**97**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.17 LEG5**
End Node **RESTBEND**
Total length **1.38 metres**

Scale **1:0.07**
Direction **Upstream**

Start Node Ref:F1.17 LEG5 | I/L : metres | Depth: 1.45 metres



Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.17 LEG5	8517788	Comment / 0
0.00	WL	Water level 05% height/diameter	8517789	Comment / 0
0.21	LR	Line of drain/sewer deviates right	8517790	Comment / 0
0.98	LU	Line of drain/sewer deviates up	8517799	Comment / 0
1.38	OFF	Finish node type, outfall, reference RESTBEND	8517801	Comment / 0

End Node Ref:RESTBEND | I/L : metres

BUXTONWATER

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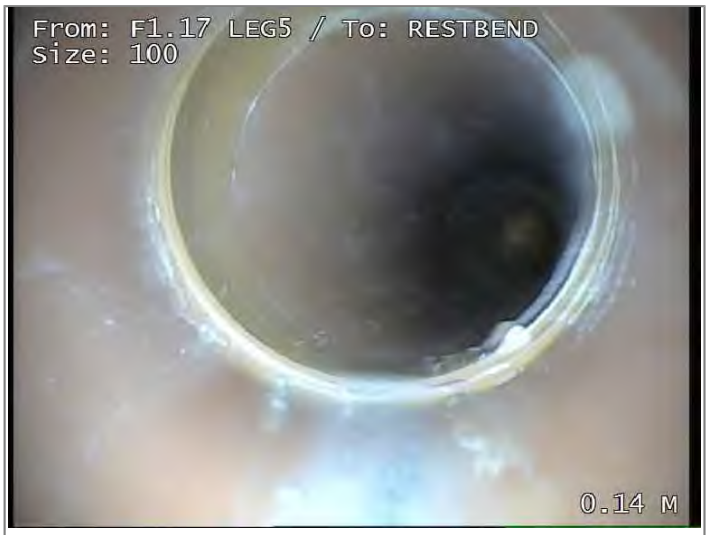
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.17 LEG5



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates up



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.19 (INAX**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**98**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.28 LEG1**
End Node **F1.19 (INACCESSIBLE)**
Total length **4.52 metres**

Scale **1:0.24**
Direction **Upstream**

Start Node Ref:F1.28 LEG1 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.26 LEG1	8517961	Comment / 0
0.00	WL	Water level 05% height/diameter	8517962	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8517971	Comment / 0
4.52	MHF	Finish node type, manhole, reference F1.19	8517972	Comment / 0

End Node Ref:F1.19 (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.26 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference F1.19

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.28 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**99**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.28**
End Node **F1.21**
Total length **4.17 metres**

Scale **1:0.22**
Direction **Downstream**

Start Node Ref:F1.28 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.26	8517989	Comment / 0
0.00	WL	Water level 05% height/diameter	8517993	Comment / 0
0.31	LL	Line of drain/sewer deviates left	8517995	Comment / 0
4.17	MHF	Finish node type, manhole, reference F1.21	8517996	Comment / 0

End Node Ref:F1.21 | I/L : metres | Depth: 1.52 metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.26



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, manhole, reference F1.21

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**100**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.28 LEG2**
End Node **RESTBEND**
Total length **9.29 metres**

Scale **1:0.49**
Direction **Upstream**

Start Node Ref:F1.28 LEG2 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.26 LEG2	8517999	Comment / 0
0.00	WL	Water level 05% height/diameter	8518000	Comment / 0
9.29	OFF	Finish node type, outfall, reference RESTBEND	8518003	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.26 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**101**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.28 LEG3**
End Node **RESTBEND**
Total length **6.21 metres**

Scale **1:0.33**
Direction **Upstream**

Start Node Ref:F1.28 LEG3 | I/L : metres | Depth: 1.48 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.26 LEG3	8518009	Comment / 0
0.00	WL	Water level 05% height/diameter	8518010	Comment / 0
6.21	OFF	Finish node type, outfall, reference RESTBEND	8518011	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.26 LEG3



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**102**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.28 LEG4**
End Node **RESTBEND**
Total length **11.5 metres**

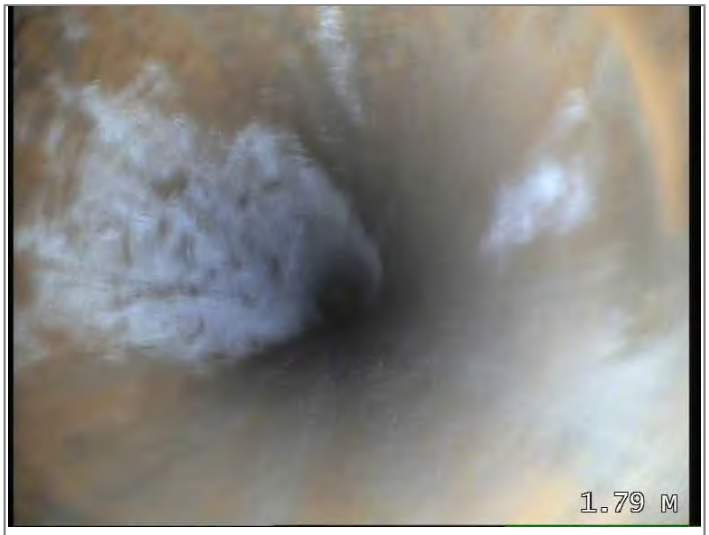
Scale **1:0.60**
Direction **Upstream**

Start Node Ref:F1.28 LEG4 | I/L : metres | Depth: 1.48 metres

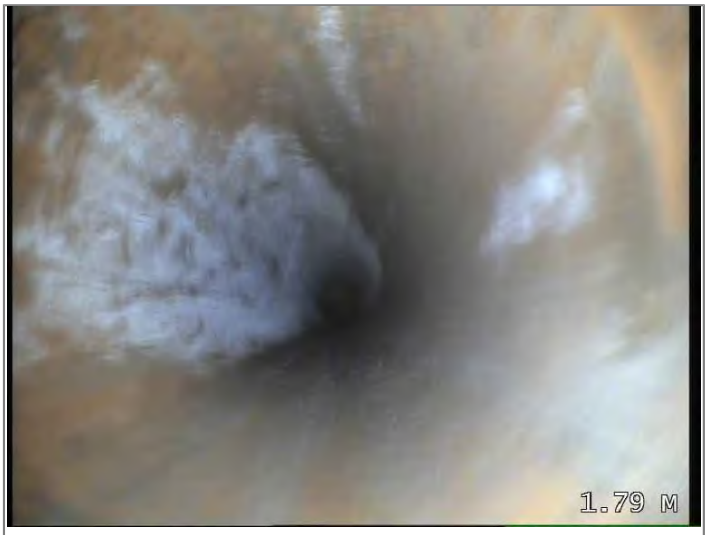
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.26 LEG4	8518013	Comment / 0
0.00	WL	Water level 05% height/diameter	8518014	Comment / 0
11.50	OFF	Finish node type, outfall, reference RESTBEND	8518026	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.26 LEG4



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.21 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**103**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.21**
End Node **F1.22**
Total length **4.29 metres**

Scale **1:0.23**
Direction **Downstream**

Start Node Ref:F1.21 | I/L : metres | Depth: 1.52 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.21	8518041	Comment / 0
0.00	WL	Water level 05% height/diameter	8518044	Comment / 0
3.26	MHF	Finish node type, manhole, reference F1.22	8518077	Comment / 0

End Node Ref:F1.22 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.21



Water level 05% height/diameter



Finish node type, manhole, reference F1.22

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**104**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.21 LEG 1**
End Node **RESTBEND**
Total length **1.6 metres**

Scale **1:0.08**
Direction **Upstream**

Start Node Ref:F1.21 LEG 1 | I/L : metres | Depth: 1.52 metres

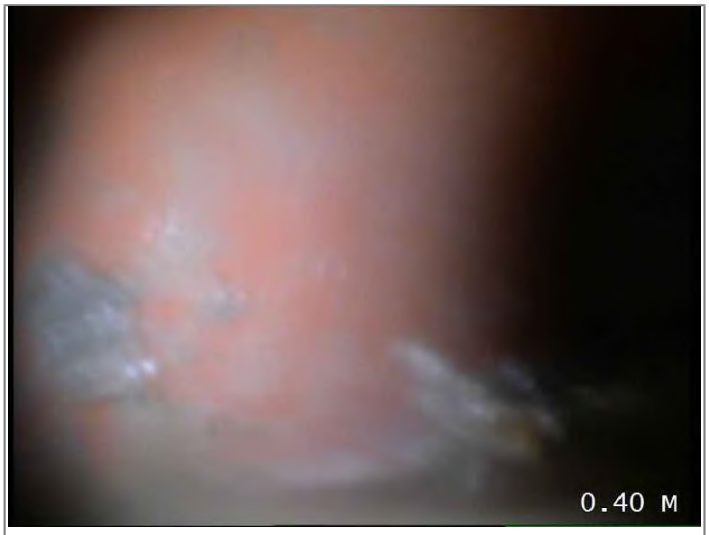
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.21	8518082	Comment / 0
0.00	WL	Water level 05% height/diameter	8518083	Comment / 0
1.60	OFF	Finish node type, outfall, reference RESTBEND.	8518089	Comment / 0

End Node Ref:RESTBEND | I/L : metres

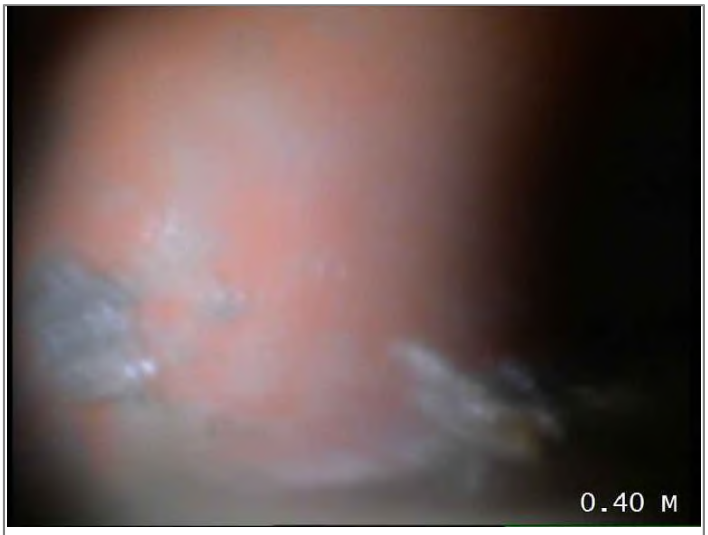
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.21



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND.

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**105**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.21 LEG2**
End Node **RESTBEND**
Total length **5.36 metres**

Scale **1:0.28**
Direction **Upstream**

Start Node Ref:F1.21 LEG2 | I/L : metres | Depth: 1.52 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.21 LEG2	8518090	Comment / 0
0.00	WL	Water level 05% height/diameter	8518093	Comment / 0
2.98	LL	Line of drain/sewer deviates left	8518094	Comment / 0
5.36	OFF	Finish node type, outfall, reference RESTBEND	8518095	Comment / 0

End Node Ref:RESTBEND | I/L : metres

BUXTONWATER

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.21 LEG2



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**106**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.21 LEG3**
End Node **RESTBEND**
Total length **5.38 metres**

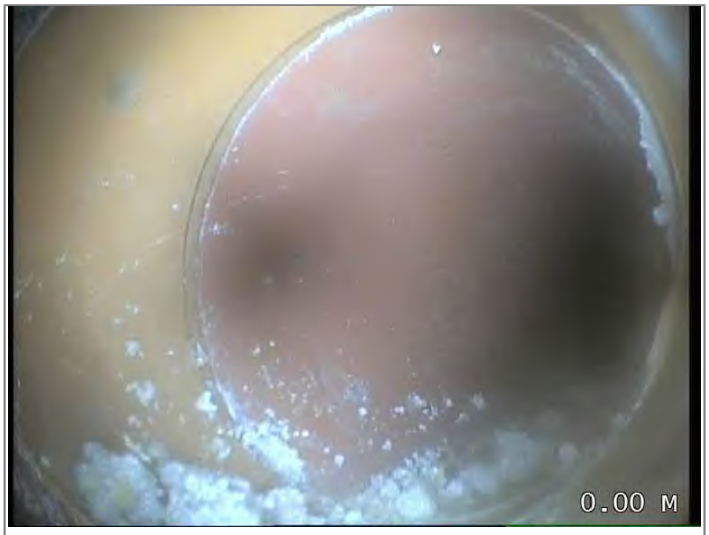
Scale **1:0.28**
Direction **Upstream**

Start Node Ref:F1.21 LEG3 | I/L : metres | Depth: 1.52 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.21 LEG3	8518096	Comment / 0
0.00	WL	Water level 05% height/diameter	8518097	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8518098	Comment / 0
3.17	LL	Line of drain/sewer deviates left	8518099	Comment / 0
5.38	OFF	Finish node type, outfall, reference RESTBEND	8518100	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.21 LEG3



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.22 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**107**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.22**
End Node **F1.23 (INACCESSIBLE)**
Total length **11.31 metres**

Scale **1:0.59**
Direction **Downstream**

Start Node Ref:F1.22 | I/L : metres | Depth: 1.60 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.22	8518203	Comment / 0
0.00	WL	Water level 05% height/diameter	8518205	Comment / 0
11.31	MHF	Finish node type, manhole, reference DROPSHAFT FOR F1.23 (INACCESSIBLE)	8518223	Comment / 0

End Node Ref:F1.23 (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.22



Water level 05% height/diameter



Finish node type, manhole, reference DROPSHAFT FOR F1.23 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.15 (INAX**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**108**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.22 LEG1**
End Node **F1.15 (INACCESSIBLE)**
Total length **0.48 metres**

Scale **1:0.03**
Direction **Upstream**

Start Node Ref:F1.22 LEG1 | I/L : metres | Depth: 1.60 metres

Position	Code	Description	Photo	Type/Grade
0.00	MHF	Finish node type, manhole, reference F1.15 (INACCESSIBLE)	8518363	Comment / 0
0.00	MH	Start node type, manhole, reference F1.22 LEG1	8518334	Comment / 0
0.00	WL	Water level 05% height/diameter	8518335	Comment / 0
0.00	REM	REVERSE SURVEY	8518348	Comment / 0



End Node Ref:F1.15 (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Finish node type, manhole, reference F1.15 (INACCESSIBLE)



Start node type, manhole, reference F1.22 LEG1



Water level 05% height/diameter



REVERSE SURVEY

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.13 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**109**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.13**
End Node **F1.15 (INACCESSIBLE)**
Total length **5.57 metres**

Scale **1:0.29**
Direction **Downstream**

Start Node Ref:F1.13 | I/L : metres | Depth: 1.40 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.13	8518457	Comment / 0
0.00	WL	Water level 05% height/diameter	8518459	Comment / 0
5.57	MHF	Finish node type, manhole, reference F1.15 (INACCESSIBLE)	8518464	Comment / 0

End Node Ref:F1.15 (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.13



Water level 05% height/diameter



Finish node type, manhole, reference F1.15 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.12 (INAX**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**110**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.13 LEG1**
End Node **F1.12 (INACCESSIBLE)**
Total length **3.69 metres**

Scale **1:0.19**
Direction **Upstream**

Start Node Ref:F1.13 LEG1 | I/L : metres | Depth: 1.40 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.13 LEG1	8518491	Comment / 0
0.00	WL	Water level 05% height/diameter	8518493	Comment / 0
0.26	SC	Dimensions of drain/sewer changes to 150mm	8518494	Comment / 0
0.26	LL	Line of drain/sewer deviates left	8518495	Comment / 0
3.69	MHF	Finish node type, manhole, reference F1.12 (INACCESSIBLE)	8518496	Comment / 0

End Node Ref:F1.12 (INACCESSIBLE) | I/L : metres

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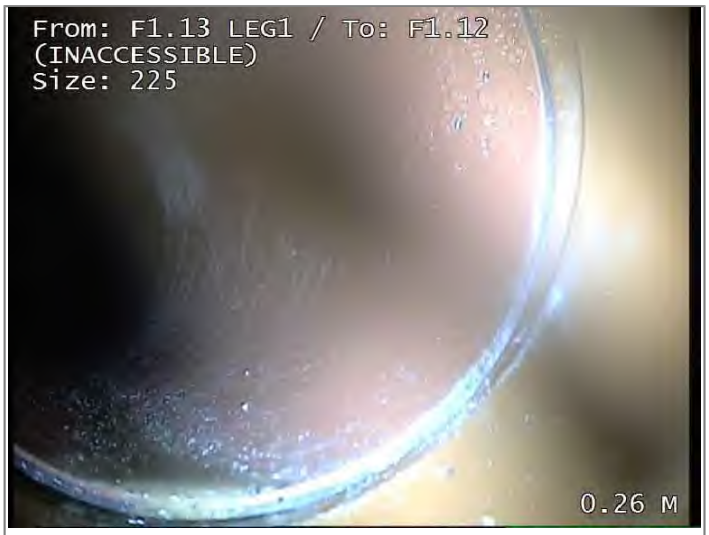
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



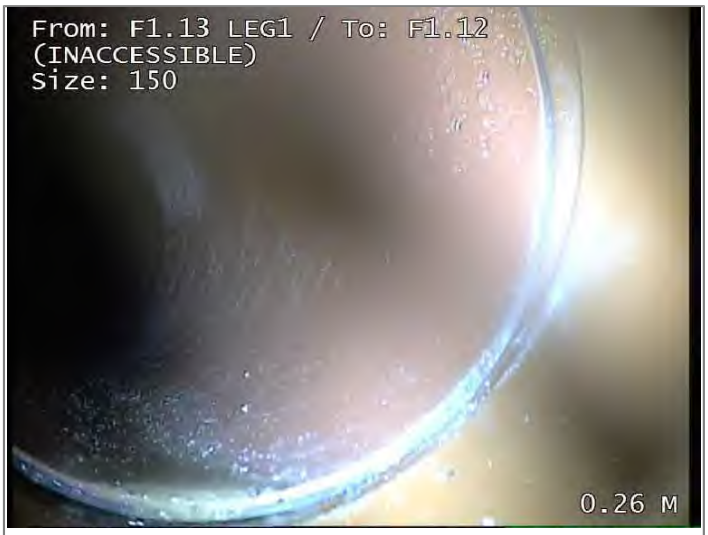
Start node type, manhole, reference F1.13 LEG1



Water level 05% height/diameter



Dimensions of drain/sewer changes to 150mm



Line of drain/sewer deviates left



Finish node type, manhole, reference F1.12 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.11 (INAX**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**4/0**	**BGBF9QDTDU**	**111**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.13**
End Node **F1.11 (INACCESSIBLE)**
Total length **6.62 metres**

Scale **1:0.35**
Direction **Upstream**

Start Node Ref:F1.13 | I/L : metres | Depth: 1.40 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.13	8518605	Comment / 0
0.00	WL	Water level 05% height/diameter	8518606	Comment / 0
0.90	LL	Line of drain/sewer deviates left	8518607	Comment / 0
2.90	DEC (S01)	Settled deposits hard or compacted 25% cross-sectional area loss, Start	8518609	Service / 4
6.62	DEC (F01)	Settled deposits hard or compacted 25% cross-sectional area loss, Finished	8518610	Service / 4
6.62	MHF	Finish node type, manhole, reference F1.11 (INACCESSIBLE)	8518617	Comment / 0

End Node Ref:F1.11 (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.13



Water level 05% height/diameter



Line of drain/sewer deviates left



Settled deposits hard or compacted 25% cross-sectional area loss, Start



Settled deposits hard or compacted 25% cross-sectional area loss, Finished



Finish node type, manhole, reference F1.11 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**112**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.4**
End Node **RESTBEND**
Total length **3.6 metres**

Scale **1:0.19**
Direction **Upstream**

Start Node Ref:F1.4 | I/L : metres | Depth: 1.57 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.4	8518769	Comment / 0
0.00	WL	Water level 05% height/diameter	8518773	Comment / 0
1.43	LU	Line of drain/sewer deviates up	8518774	Comment / 0
2.60	LR	Line of drain/sewer deviates right	8518775	Comment / 0
3.48	LU	Line of drain/sewer deviates up	8518782	Comment / 0
3.60	OFF	Finish node type, outfall, reference RESTBEND	8519422	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



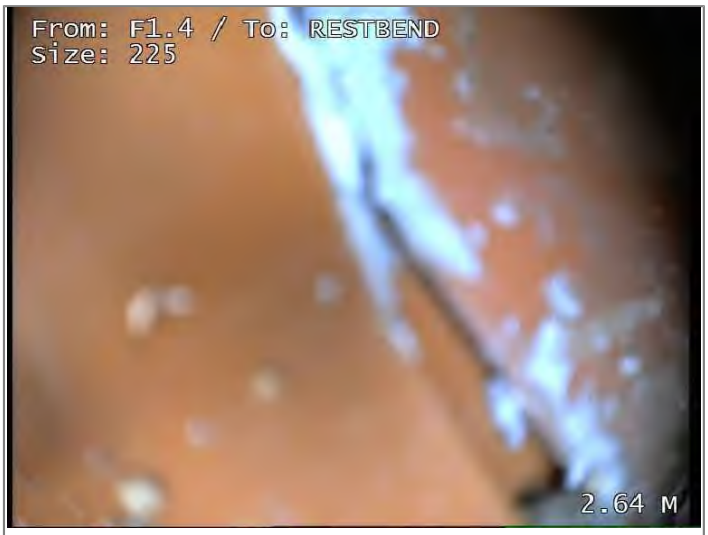
Start node type, manhole, reference F1.4



Water level 05% height/diameter



Line of drain/sewer deviates up



Line of drain/sewer deviates right



Line of drain/sewer deviates up



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**113**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.4 LEG1**
End Node **RESTBEND**
Total length **3.74 metres**

Scale **1:0.20**
Direction **Upstream**

Start Node Ref:F1.4 LEG1 | I/L : metres | Depth: 1.57 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.4 LEG1	8519424	Comment / 0
0.00	WL	Water level 05% height/diameter	8519425	Comment / 0
1.64	LU	Line of drain/sewer deviates up	8519427	Comment / 0
3.74	OFF	Finish node type, outfall, reference RESTBEND	8519428	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.4 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates up



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.25 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**114**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.4 LEG2**
End Node **F1.25**
Total length **3.43 metres**

Scale **1:0.18**
Direction **Upstream**

Start Node Ref:F1.4 LEG2 | I/L : metres | Depth: 1.57 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.4 LEG2	8519431	Comment / 0
0.00	WL	Water level 05% height/diameter	8519458	Comment / 0
3.24	LL	Line of drain/sewer deviates left	8519459	Comment / 0
3.43	MHF	Finish node type, manhole, reference F1.25 (INACCESSIBLE)	8519460	Comment / 0

End Node Ref:F1.25 | I/L : metres

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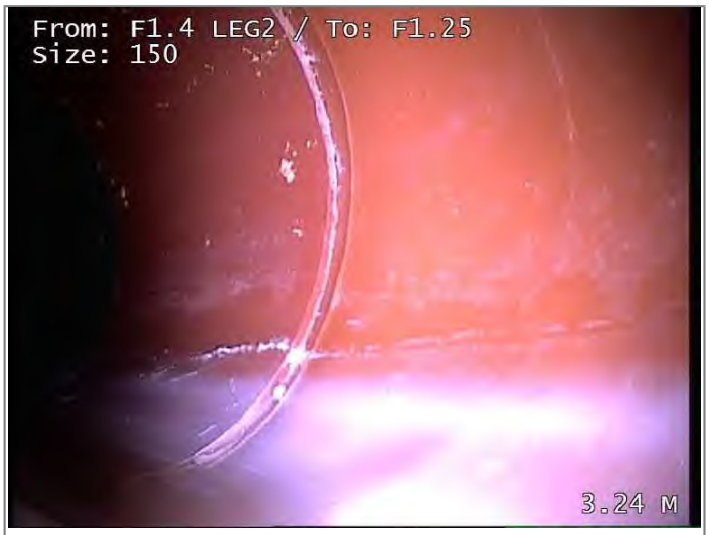
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.4 LEG2



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, manhole, reference F1.25 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.4 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**115**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.4**
End Node **F1.6**
Total length **1.6 metres**

Scale **1:0.08**
Direction **Downstream**

Start Node Ref:F1.4 | I/L : metres | Depth: 1.57 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.4	8519462	Comment / 0
0.00	WL	Water level 05% height/diameter	8519463	Comment / 0
1.60	MHF	Finish node type, manhole, reference F1.6	8519466	Comment / 0

End Node Ref:F1.6 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.4



Water level 05% height/diameter



Finish node type, manhole, reference F1.6

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.3 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**116**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.4 LEG3**
End Node **F1.3**
Total length **6.5 metres**

Scale **1:0.34**
Direction **Upstream**

Start Node Ref:F1.4 LEG3 | I/L : metres | Depth: 1.57 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.4	8519468	Comment / 0
0.00	WL	Water level 05% height/diameter	8519470	Comment / 0
6.50	MHF	Finish node type, manhole, reference F1.3	8519471	Comment / 0

End Node Ref:F1.3 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.4



Water level 05% height/diameter



Finish node type, manhole, reference F1.3

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F.1.24 (INX**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**117**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.4 LEG4**
End Node **F.1.24 (INACCESSIBLE)**
Total length **1.45 metres**

Scale **1:0.08**
Direction **Upstream**

Start Node Ref:F1.4 LEG4 | I/L : metres | Depth: 1.57 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.4 LEG4	8519473	Comment / 0
0.00	WL	Water level 05% height/diameter	8519475	Comment / 0
0.57	LR	Line of drain/sewer deviates right	8519477	Comment / 0
1.45	MHF	Finish node type, manhole, reference F.1.24 (INACCESSIBLE)	8519479	Comment / 0

End Node Ref:F.1.24 (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.4 LEG4



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference F.1.24 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.5 (INACX**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**118**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.6**
End Node **F1.5 (INACCESSIBLE)**
Total length **2.12 metres**

Scale **1:0.11**
Direction **Upstream**

Start Node Ref:F1.6 | I/L : metres | Depth: 1.60 metres

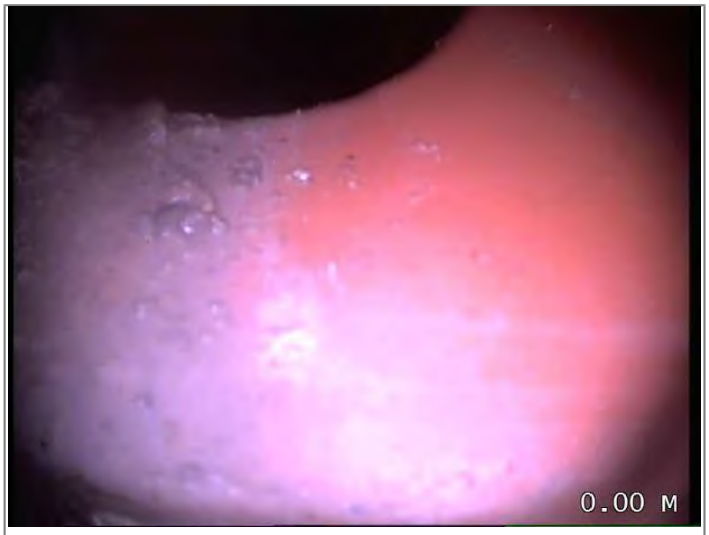
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.6	8519507	Comment / 0
0.00	WL	Water level 05% height/diameter	8519509	Comment / 0
0.07	SC	Dimensions of drain/sewer changes to 150mm	8519511	Comment / 0
2.12	MHF	Finish node type, manhole, reference F1.5 (INACCESSIBLE)	8519512	Comment / 0

End Node Ref:F1.5 (INACCESSIBLE) | I/L : metres

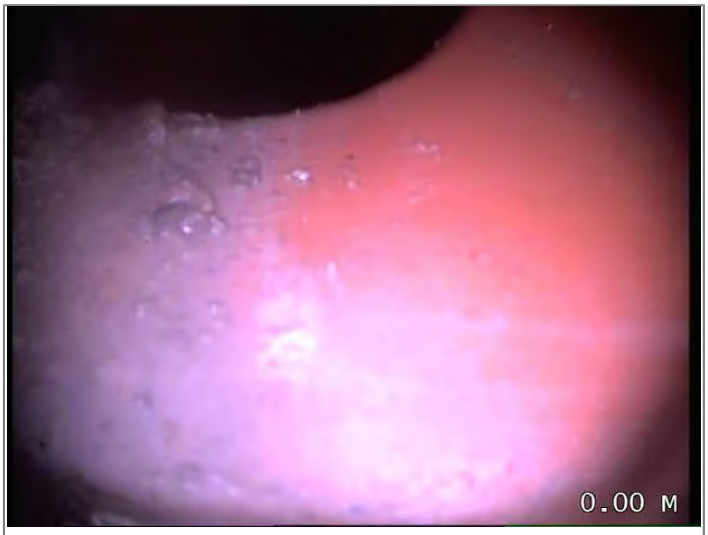
CCTV Inspection Photos

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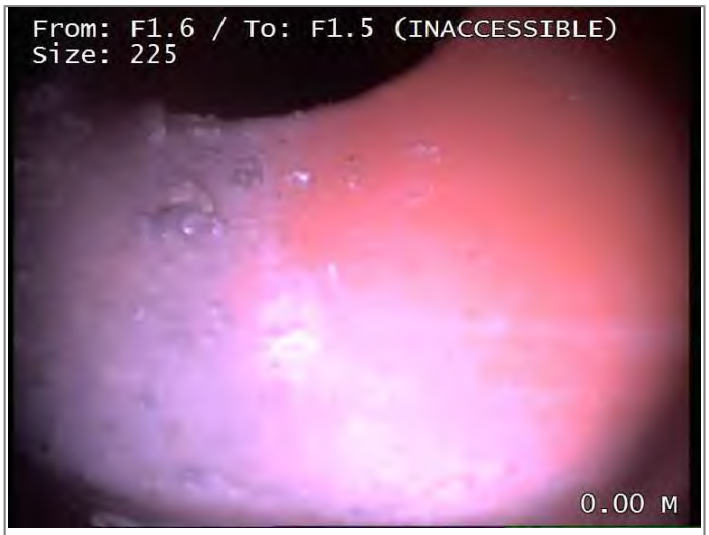
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.6



Water level 05% height/diameter



Dimensions of drain/sewer changes to 150mm



Finish node type, manhole, reference F1.5 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.6 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**119**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.6**
End Node **F1.9**
Total length **12.33 metres**

Scale **1:0.65**
Direction **Downstream**

Start Node Ref:F1.6 | I/L : metres | Depth: 1.60 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.6	8519536	Comment / 0
0.00	WL	Water level 05% height/diameter	8519573	Comment / 0
6.21	CN	Connection other than junction at 10 o'clock, diameter 150mm	8519574	Comment / 0
8.95	WL (S01)	Water level 25% height/diameter - Remark: DUE TO CONCRETE IN DRAIN FURTHER DS , Start	8519580	Comment / 0
12.33	WL (F01)	Water level 25% height/diameter - Remark: DUE TO CONCRETE IN DRAIN FURTHER DS , Finished	8519581	Comment / 0
12.33	MHF	Finish node type, manhole, reference F1.9	8519582	Comment / 0

End Node Ref:F1.9 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.6



Water level 05% height/diameter



Connection other than junction at 10 o'clock, diameter 150mm



Water level 25% height/diameter - Remark: DUE TO CONCRETE IN DRAIN FURTHER DS , Start



Water level 25% height/diameter - Remark: DUE TO CONCRETE IN DRAIN FURTHER DS , Finished



Finish node type, manhole, reference F1.9

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**120**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.8**
End Node **RESTBEND**
Total length **6.45 metres**

Scale **1:0.34**
Direction **Upstream**

Start Node Ref:F1.8 | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.8	8519672	Comment / 0
0.00	WL	Water level 05% height/diameter	8519673	Comment / 0
6.45	OFF	Finish node type, outfall, reference RESTBEND	8519674	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.8



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**121**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.8 LEG1**
End Node **RESTBEND**
Total length **3.45 metres**

Scale **1:0.18**
Direction **Upstream**

Start Node Ref:F1.8 LEG1 | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.8 LEG1	8519692	Comment / 0
0.00	WL	Water level 05% height/diameter	8519693	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 100mm	8519698	Comment / 0
2.45	LR	Line of drain/sewer deviates right	8519706	Comment / 0
3.45	OFF	Finish node type, outfall, reference RESTBEND	8519707	Comment / 0

End Node Ref:RESTBEND | I/L : metres

BUXTONWATER

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



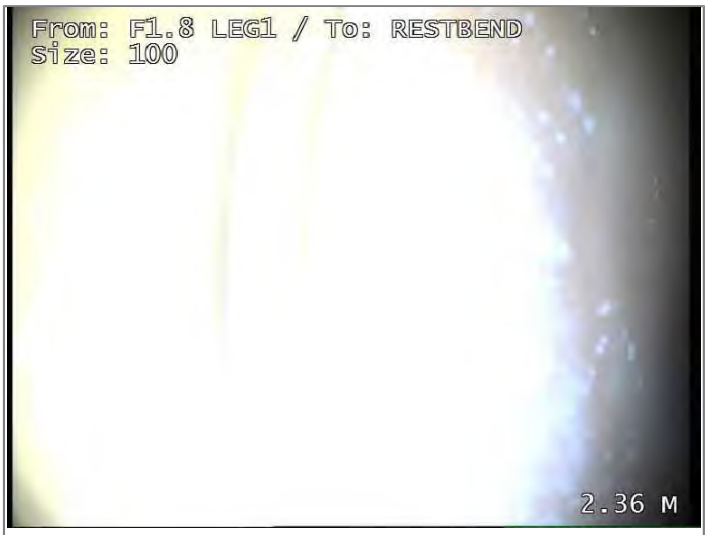
Start node type, manhole, reference F1.8 LEG1



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.8 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**122**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.8**
End Node **F1.9**
Total length **0.86 metres**

Scale **1:0.05**
Direction **Downstream**

Start Node Ref:F1.8 | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.8	8519725	Comment / 0
0.00	WL	Water level 05% height/diameter	8519726	Comment / 0
0.48	LD	Line of drain/sewer deviates down	8519727	Comment / 0
0.48	SC	Dimensions of drain/sewer changes to 225mm	8519728	Comment / 0
0.86	MHF	Finish node type, manhole, reference F1.9	8519965	Comment / 0

End Node Ref:F1.9 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.8



Water level 05% height/diameter



Line of drain/sewer deviates down



Dimensions of drain/sewer changes to 225mm



Finish node type, manhole, reference F1.9

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**123**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.8 LEG2**
End Node **RESTBEND**
Total length **3.64 metres**

Scale **1:0.19**
Direction **Upstream**

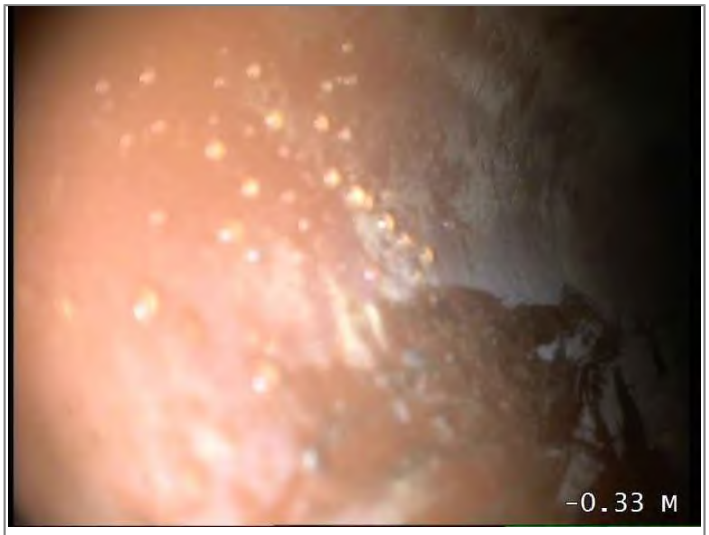
Start Node Ref:F1.8 LEG2 | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.8 LEG2	8519983	Comment / 0
0.00	WL	Water level 05% height/diameter	8519984	Comment / 0
3.64	OFF	Finish node type, outfall, reference RESTBEND BAGGED	8519986	Comment / 0

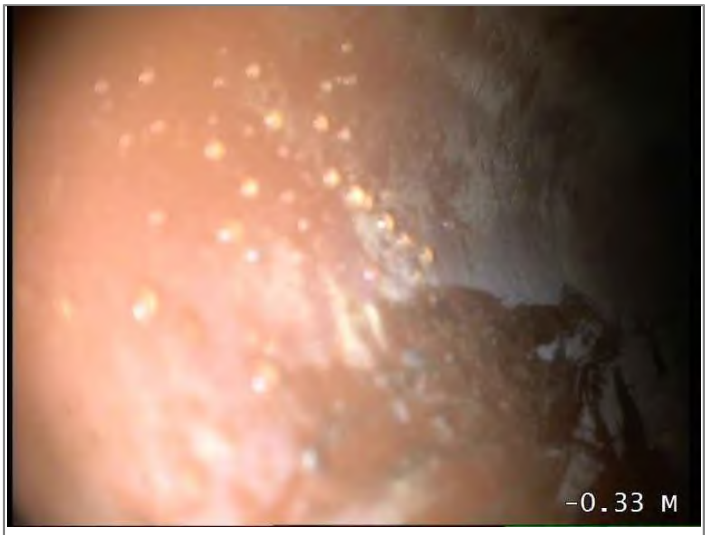
End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.8 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND BAGGED

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**124**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.8 LEG3**
End Node **RESTBEND**
Total length **5.57 metres**

Scale **1:0.29**
Direction **Upstream**

Start Node Ref:F1.8 LEG3 | I/L : metres | Depth: 1.2 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.8 LEG3	8519987	Comment / 0
0.00	WL	Water level 05% height/diameter	8519988	Comment / 0
0.31	LR	Line of drain/sewer deviates right	8519989	Comment / 0
5.57	OFF	Finish node type, outfall, reference RESTBEND	8519990	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.8 LEG3



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**125**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.26 LEG1**
End Node **RESTBEND**
Total length **3.95 metres**

Scale **1:0.21**
Direction **Upstream**

Start Node Ref:F1.26 LEG1 | I/L : metres | Depth: 0.96 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.26 LEG1	8519991	Comment / 0
0.00	WL	Water level 05% height/diameter	8519992	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8519993	Comment / 0
3.07	LR	Line of drain/sewer deviates right	8519994	Comment / 0
3.95	OFF	Finish node type, outfall, reference RESTBEND	8519995	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.26 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**126**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.26 LEG2**
End Node **RESTBEND**
Total length **0.45 metres**

Scale **1:0.02**
Direction **Upstream**

Start Node Ref:F1.26 LEG2 | I/L : metres | Depth: 0.96 metres

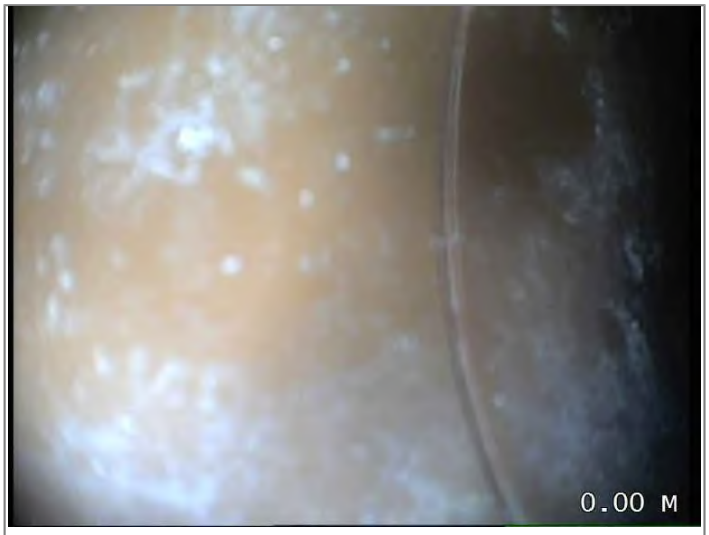
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.26 LEG2	8520004	Comment / 0
0.00	WL	Water level 05% height/diameter	8520010	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8520011	Comment / 0
0.45	OFF	Finish node type, outfall, reference RESTBEND	8520015	Comment / 0

End Node Ref:RESTBEND | I/L : metres

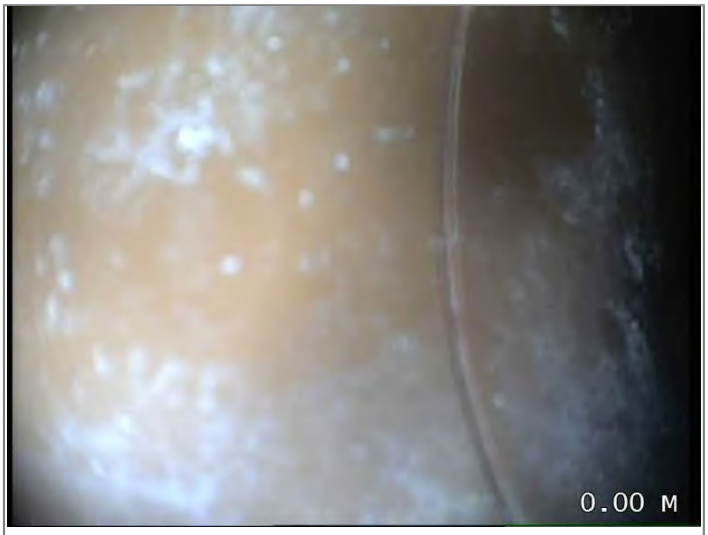
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



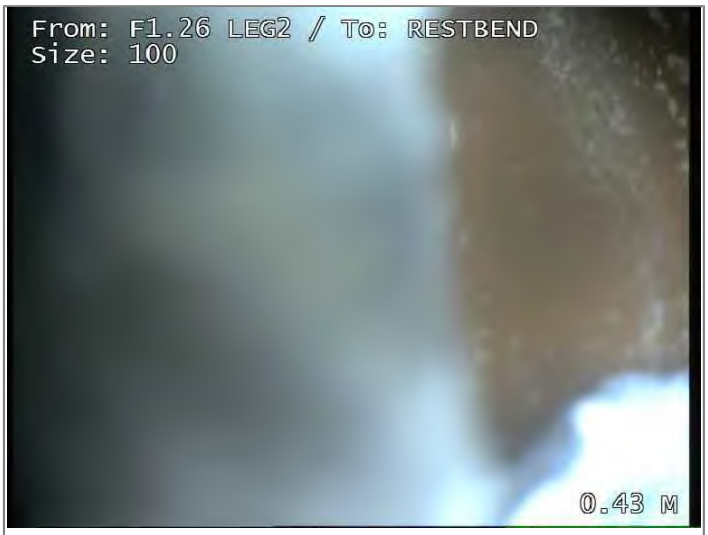
Start node type, manhole, reference F1.26 LEG2



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.26 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**127**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.26**
End Node **F1.3**
Total length **8.6 metres**

Scale **1:0.45**
Direction **Downstream**

Start Node Ref:F1.26 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.26	8520017	Comment / 0
0.00	WL	Water level 05% height/diameter	8520023	Comment / 0
8.60	MHF	Finish node type, manhole, reference DROPSHAFT TO F1.3	8520025	Comment / 0

End Node Ref:F1.3 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.26



Water level 05% height/diameter



Finish node type, manhole, reference DROPSHAFT TO F1.3

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**128**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.0 LEG1**
End Node **RESTBEND**
Total length **6.74 metres**

Scale **1:0.35**
Direction **Upstream**

Start Node Ref:F1.0 LEG1 | I/L : metres | Depth: 1 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.0 LEG1	8520131	Comment / 0
0.00	WL	Water level 05% height/diameter	8520132	Comment / 0
6.74	OFF	Finish node type, outfall, reference RESTBEND	8520137	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.0 LEG1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.0**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**129**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.0**
End Node **F1.1**
Total length **9.1 metres**

Scale **1:0.48**
Direction **Downstream**

Start Node Ref:F1.0 | I/L : metres | Depth: 1 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.0	8520143	Comment / 0
0.00	WL	Water level 05% height/diameter	8520144	Comment / 0
8.36	LL	Line of drain/sewer deviates left	8520146	Comment / 0
9.10	MHF	Finish node type, manhole, reference F1.1	8520148	Comment / 0

End Node Ref:F1.1 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.0



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, manhole, reference F1.1

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**130**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.0 LEG2**
End Node **RESTBEND**
Total length **3.6 metres**

Scale **1:0.19**
Direction **Upstream**

Start Node Ref:F1.0 LEG2 | I/L : metres | Depth: 1 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.0 LEG2	8520155	Comment / 0
0.00	WL	Water level 05% height/diameter	8520157	Comment / 0
3.60	OFF	Finish node type, outfall, reference RESTBEND	8520158	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.0 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**131**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.1 LEG1**
End Node **RESTBEND**
Total length **1.48 metres**

Scale **1:0.08**
Direction **Upstream**

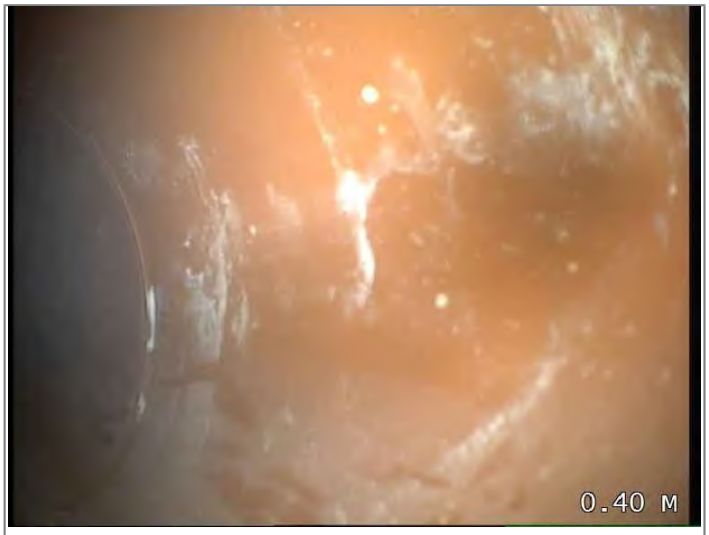
Start Node Ref:F1.1 LEG1 | I/L : metres | Depth: 1.3 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.1 LEG1	8520182	Comment / 0
0.00	WL	Water level 05% height/diameter	8520184	Comment / 0
0.40	LL	Line of drain/sewer deviates left	8520195	Comment / 0
1.48	OFF	Finish node type, outfall, reference RESTBEND	8520196	Comment / 0

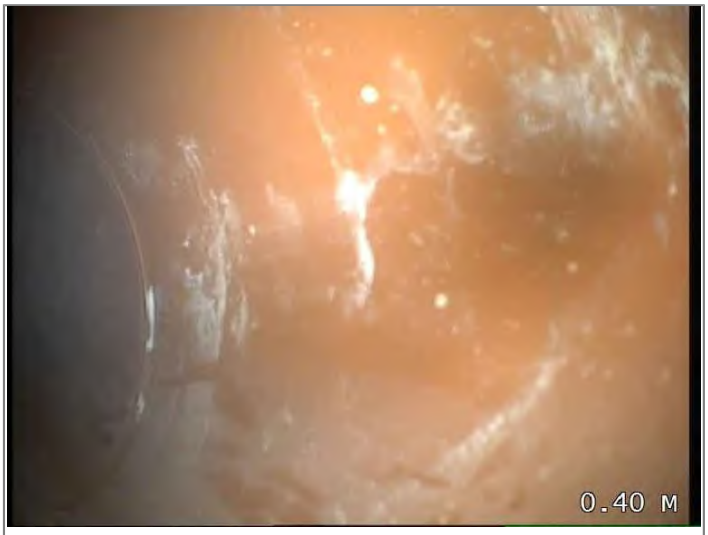
End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.1 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**132**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.1 LEG2**
End Node **RESTBEND**
Total length **4.1 metres**

Scale **1:0.22**
Direction **Upstream**

Start Node Ref:F1.1 LEG2 | I/L : metres | Depth: 1.3 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.1 LEG2	8520220	Comment / 0
0.00	WL	Water level 05% height/diameter	8520228	Comment / 0
4.10	OFF	Finish node type, outfall, reference RESTBEND	8520229	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.1 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.2 (INAC**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**133**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.1**
End Node **F1.2 (INACCESSIBLE)**
Total length **11.6 metres**

Scale **1:0.61**
Direction **Upstream**

Start Node Ref:F1.1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.1	8520230	Comment / 0
0.00	WL	Water level 05% height/diameter	8520231	Comment / 0
11.40	LL	Line of drain/sewer deviates left	8520239	Comment / 0
11.60	MHF	Finish node type, manhole, reference F1.2 (INACCESSIBLE)	8520241	Comment / 0

End Node Ref:F1.2 (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, manhole, reference F1.2 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**134**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.53**
End Node **RESTBEND**
Total length **2 metres**

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

Start Node Ref:F1.53 | I/L : metres | Depth: 2.50 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.53	8522127	Comment / 0
0.00	WL	Water level 05% height/diameter	8522128	Comment / 0
2.00	OFF	Finish node type, outfall, reference RESTBEND	8522130	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.53



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.52 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**135**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

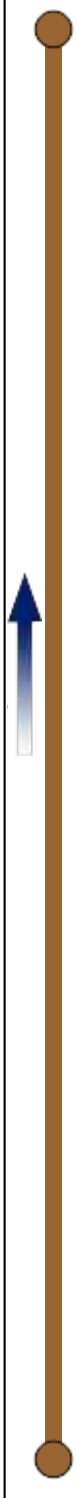
Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.53 LEG1**
End Node **F1.52**
Total length **0 metres**

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

Start Node Ref:F1.53 LEG1 | I/L : metres | Depth: 2.50 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.53 LEG1	8522161	Comment / 0
0.00	WL	Water level 05% height/diameter	8522162	Comment / 0
0.00	MHF	Finish node type, manhole, reference F1.52	8522164	Comment / 0



End Node Ref:F1.52 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.53 LEG1



Water level 05% height/diameter



Finish node type, manhole, reference F1.52

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.54**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**136**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.53**
End Node **F1.54**
Total length **3.76 metres**

Scale **1:0.20**
Direction **Upstream**

Start Node Ref:F1.53 | I/L : metres | Depth: 2.50 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.53	8522171	Comment / 0
0.00	WL	Water level 05% height/diameter	8522172	Comment / 0
3.76	MHF	Finish node type, manhole, reference F1.54	8522179	Comment / 0

End Node Ref:F1.54 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.53



Water level 05% height/diameter



Finish node type, manhole, reference F1.54

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**137**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.53 LEG2**
End Node **RESTBEND**
Total length **8.36 metres**

Scale **1:0.44**
Direction **Upstream**

Start Node Ref:F1.53 LEG2 | I/L : metres | Depth: 2.50 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.53 LEG2	8522181	Comment / 0
0.00	WL	Water level 05% height/diameter	8522182	Comment / 0
8.36	OFF	Finish node type, outfall, reference RESTBEND	8522190	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.53 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**138**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.51**
End Node **RESTBEND**
Total length **0.5 metres**

Scale **1:0.03**
Direction **Upstream**

Start Node Ref:F1.51 | I/L : metres | Depth: 2.08 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.51	8522226	Comment / 0
0.00	WL	Water level 05% height/diameter	8522227	Comment / 0
0.50	OFF	Finish node type, outfall, reference RESTBEND	8522228	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
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Start node type, manhole, reference F1.51



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**139**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.51 LEG1**
End Node **RESTBEND**
Total length **4.57 metres**

Scale **1:0.24**
Direction **Upstream**

Start Node Ref:F1.51 LEG1 | I/L : metres | Depth: 2.08 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.51 LEG1	8522239	Comment / 0
0.00	WL	Water level 05% height/diameter	8522240	Comment / 0
4.57	OFF	Finish node type, outfall, reference RESTBEND	8522243	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.51 LEG1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.52**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**140**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.51**
End Node **F1.52**
Total length **0.69 metres**

Scale **1:0.04**
Direction **Upstream**

Start Node Ref:F1.51 | I/L : metres | Depth: 2.08 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.51	8522245	Comment / 0
0.00	WL	Water level 05% height/diameter	8522246	Comment / 0
0.69	MHF	Finish node type, manhole, reference F1.52	8522247	Comment / 0

End Node Ref:F1.52 | I/L : metres | Depth: 2.16 metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.51



Water level 05% height/diameter



Finish node type, manhole, reference F1.52

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**141**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.52**
End Node **RESTBEND**
Total length **0.12 metres**

Scale **1:0.01**
Direction **Upstream**

Start Node Ref:F1.52 | I/L : metres | Depth: 2.16 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.52	8522271	Comment / 0
0.00	WL	Water level 05% height/diameter	8522272	Comment / 0
0.12	OFF	Finish node type, outfall, reference RESTBEND	8522273	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.52



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**142**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.52 LEG1**
End Node **RESTBEND**
Total length **5.26 metres**

Scale **1:0.28**
Direction **Upstream**

Start Node Ref:F1.52 LEG1 | I/L : metres | Depth: 2.16 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.52 LEG1	8522275	Comment / 0
0.00	WL	Water level 05% height/diameter	8522276	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8522277	Comment / 0
0.55	LL	Line of drain/sewer deviates left	8522279	Comment / 0
5.26	OFF	Finish node type, outfall, reference RESTBEND	8522280	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.52 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.54 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**143**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.54**
End Node **F1.56**
Total length **9.83 metres**

Scale **1:0.52**
Direction **Downstream**

Start Node Ref:F1.54 | I/L : metres | Depth: 2.6 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.54	8522333	Comment / 0
0.00	WL	Water level 05% height/diameter	8522352	Comment / 0
9.83	MHF	Finish node type, manhole, reference F1.56	8522362	Comment / 0

End Node Ref:F1.56 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference F1.54



Water level 05% height/diameter



Finish node type, manhole, reference F1.56

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**144**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.21B**
End Node **RESTBEND**
Total length **15.36 metres**

Scale **1:0.81**
Direction **Upstream**

Start Node Ref:S1.21B | I/L : metres | Depth: 2.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.21B	8522385	Comment / 0
0.00	WL	Water level 05% height/diameter	8522386	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 150mm	8522387	Comment / 0
15.36	MHF	Finish node type, manhole, reference S1.21A	8522392	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference S1.21B



Water level 05% height/diameter



Dimensions of drain/sewer changes to 150mm



Finish node type, manhole, reference S1.21A

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**145**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.21B LEG1**
End Node **RESTBEND**
Total length **3.83 metres**

Scale **1:0.20**
Direction **Upstream**

Start Node Ref:S1.21B LEG1 | I/L : metres | Depth: 2.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.21B LEG1	8522402	Comment / 0
0.00	WL	Water level 05% height/diameter	8522403	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 150mm	8522405	Comment / 0
3.83	OFF	Finish node type, outfall, reference RESTBEND	8522407	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference S1.21B LEG1



Water level 05% height/diameter



Dimensions of drain/sewer changes to 150mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.21B X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**146**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.21B**
End Node **S1.21**
Total length **15.12 metres**

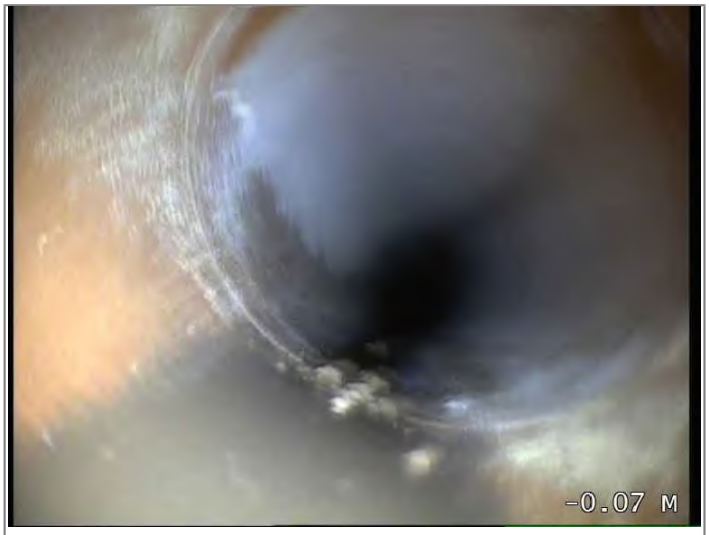
Scale **1:0.79**
Direction **Downstream**

Start Node Ref:S1.21B | I/L : metres | Depth: 2.0 metres

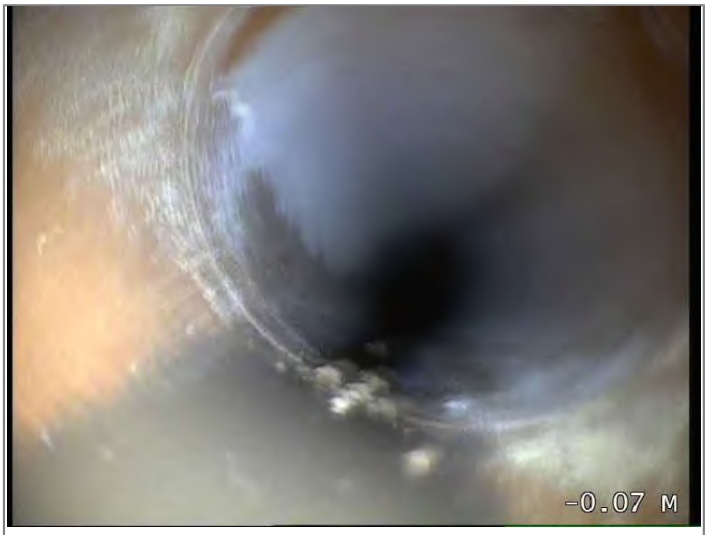
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.21B	8522410	Comment / 0
0.00	WL	Water level 05% height/diameter	8522411	Comment / 0
15.12	MHF	Finish node type, manhole, reference S1.21	8522413	Comment / 0

End Node Ref:S1.21 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference S1.21B



Water level 05% height/diameter



Finish node type, manhole, reference S1.21

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**147**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.21B LEG2**
End Node **RESTBEND**
Total length **11.26 metres**

Scale **1:0.59**
Direction **Upstream**

Start Node Ref:S1.21B LEG2 | I/L : metres | Depth: 2.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.21B LEG2	8522417	Comment / 0
0.00	WL	Water level 05% height/diameter	8522418	Comment / 0
0.50	SC	Dimensions of drain/sewer changes to 150mm	8522421	Comment / 0
8.21	LL	Line of drain/sewer deviates left	8522424	Comment / 0
11.26	OFF	Finish node type, outfall, reference RESTBEND	8522425	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference S1.21B LEG2



Water level 05% height/diameter



Dimensions of drain/sewer changes to 150mm



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**148**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.21 LEG1**
End Node **RESTBEND**
Total length **0.83 metres**

Scale **1:0.04**
Direction **Upstream**

Start Node Ref:S1.21 LEG1 | I/L : metres | Depth: 1.94 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.21 LEG1	8522443	Comment / 0
0.00	WL	Water level 05% height/diameter	8522444	Comment / 0
0.02	LL	Line of drain/sewer deviates left	8522445	Comment / 0
0.83	SC	Dimensions of drain/sewer changes to 150mm - Remark: UNABLE TO PASS	8522447	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference S1.21 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates left



Dimensions of drain/sewer changes to 150mm - Remark: UNABLE TO PASS

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.21 X**	**15/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**149**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.21**
End Node **S1.22**
Total length **4.62 metres**

Scale **1:0.24**
Direction **Downstream**

Start Node Ref:S1.21 | I/L : metres | Depth: 1.94 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.21	8522454	Comment / 0
0.00	WL	Water level 05% height/diameter	8522455	Comment / 0
3.71	LR	Line of drain/sewer deviates right	8522456	Comment / 0
4.62	MHF	Finish node type, manhole, reference S1.22	8522457	Comment / 0

End Node Ref:S1.22 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**15/09/2023**



Start node type, manhole, reference S1.21



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference S1.22

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.56 X**	**18/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**150**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.56**
End Node **F1.27 (INACCESSIBLE)**
Total length **7.86 metres**

Scale **1:0.41**
Direction **Downstream**

Start Node Ref:F1.56 | I/L : metres | Depth: 1.3 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.56	8525506	Comment / 0
0.00	WL	Water level 05% height/diameter	8525531	Comment / 0
4.79	LD	Line of drain/sewer deviates down	8525532	Comment / 0
7.86	MHF	Finish node type, manhole, reference F1.27 (INACCESSIBLE)	8525535	Comment / 0

End Node Ref:F1.27 (INACCESSIBLE) | I/L : metres

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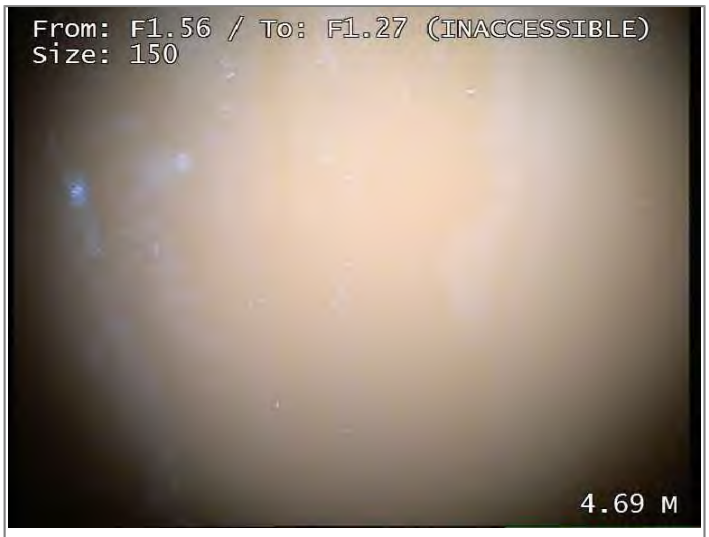
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type, manhole, reference F1.56



Water level 05% height/diameter



Line of drain/sewer deviates down



Finish node type, manhole, reference F1.27 (INACCESSIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**18/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**151**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.56 LEG1**
End Node **RESTBEND**
Total length **3.5 metres**

Scale **1:0.18**
Direction **Upstream**

Start Node Ref:F1.56 LEG1 | I/L : metres | Depth: 1.3 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.56 LEG1	8525549	Comment / 0
0.00	WL	Water level 05% height/diameter	8525550	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8525551	Comment / 0
3.50	OFF	Finish node type, outfall, reference RESTBEND	8525552	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type, manhole, reference F1.56 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.22 X**	**18/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**152**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.22**
End Node **S1.23**
Total length **7.83 metres**

Scale **1:0.41**
Direction **Downstream**

Start Node Ref:S1.22 | I/L : metres | Depth: 0.99 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.22	8525583	Comment / 0
0.00	WL	Water level 05% height/diameter	8525584	Comment / 0
7.24	LR	Line of drain/sewer deviates right	8525591	Comment / 0
7.83	MHF	Finish node type, manhole, reference S1.23	8525592	Comment / 0

End Node Ref:S1.23 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type, manhole, reference S1.22



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference S1.23

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**18/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**153**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.22 LEG1**
End Node **RESTBEND**
Total length **4.38 metres**

Scale **1:0.23**
Direction **Upstream**

Start Node Ref:S1.22 LEG1 | I/L : metres | Depth: 0.99 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.22 LEG1	8525605	Comment / 0
0.00	WL	Water level 05% height/diameter	8525606	Comment / 0
0.38	SC	Dimensions of drain/sewer changes to 150mm	8525607	Comment / 0
4.38	OFF	Finish node type, outfall, reference RESTBEND	8525608	Comment / 0



End Node Ref:RESTBEND | I/L : metres

BUXTONWATER

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type, manhole, reference S1.22 LEG1



Water level 05% height/diameter



Dimensions of drain/sewer changes to 150mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.23 X**	**18/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**154**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.23**
End Node **S1.25 HYDROBRAKE MH**
Total length **26.93 metres**

Scale **1:1.41**
Direction **Downstream**

Start Node Ref:S1.23 | I/L : metres | Depth: 1.28 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.23	8525629	Comment / 0
0.00	WL	Water level 05% height/diameter	8525635	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8525636	Comment / 0
10.10	JN	Junction at 3 o'clock, diameter 150mm	8525651	Comment / 0
16.33	CN	Connection other than junction at 3 o'clock, diameter 150mm	8525654	Comment / 0
19.95	CN	Connection other than junction at 3 o'clock, diameter 150mm	8525664	Comment / 0
20.64	CN	Connection other than junction at 3 o'clock, diameter 150mm	8525670	Comment / 0
23.19	CN	Connection other than junction at 3 o'clock, diameter 150mm	8525674	Comment / 0
24.48	CN	Connection other than junction at 3 o'clock, diameter 150mm	8525681	Comment / 0
26.07	CN	Connection other than junction at 3 o'clock, diameter 150mm	8525683	Comment / 0
26.93	LD	Line of drain/sewer deviates down - Remark: DROPSHAFT TO S1.25	8525686	Comment / 0

End Node Ref:S1.25 HYDROBRAKE MH | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type, manhole, reference S1.23



Water level 05% height/diameter



Line of drain/sewer deviates right



Junction at 3 o'clock, diameter 150mm



Connection other than junction at 3 o'clock, diameter 150mm



Connection other than junction at 3 o'clock, diameter 150mm

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Connection other than junction at 3 o'clock, diameter 150mm



Connection other than junction at 3 o'clock, diameter 150mm



Connection other than junction at 3 o'clock, diameter 150mm



Connection other than junction at 3 o'clock, diameter 150mm



Line of drain/sewer deviates down - Remark: DROPSHAFT TO S1.25

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**18/09/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**155**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.23 LEG1**
End Node **RESTBEND**
Total length **4.48 metres**

Scale **1:0.24**
Direction **Upstream**

Start Node Ref:S1.23 LEG1 | I/L : metres | Depth: 1.28 metres



Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.23 LEG1	8525704	Comment / 0
0.00	WL	Water level 05% height/diameter	8525705	Comment / 0
0.12	LR	Line of drain/sewer deviates right	8525706	Comment / 0
0.52	SC	Dimensions of drain/sewer changes to 150mm	8525708	Comment / 0
1.50	SC	Dimensions of drain/sewer changes to 100mm	8525709	Comment / 0
4.48	OFF	Finish node type, outfall, reference RESTBEND	8525710	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type, manhole, reference S1.23 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Dimensions of drain/sewer changes to 150mm



Dimensions of drain/sewer changes to 100mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**156**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 1**
End Node **F1.7 (INACCESIBLE)**
Total length **5.86 metres**

Scale **1:0.31**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8526753	Comment / 0
0.00	WL	Water level 05% height/diameter	8526754	Comment / 0
1.38	LR	Line of drain/sewer deviates right - Remark: RESTBEND	8526757	Comment / 0
2.76	LL	Line of drain/sewer deviates left	8526758	Comment / 0
5.12	LL	Line of drain/sewer deviates left	8526759	Comment / 0
5.86	MHF	Finish node type, manhole, reference F1.7 (INACCESIBLE)	8526764	Comment / 0

End Node Ref:F1.7 (INACCESIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: RESTBEND



Line of drain/sewer deviates left



Line of drain/sewer deviates left



Finish node type, manhole, reference F1.7 (INACCESIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**157**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 2**
End Node **S1.23 - S1.25 CARRIER**
Total length **7.19 metres**

Scale **1:0.38**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 2 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8526826	Comment / 0
0.00	WL	Water level 05% height/diameter	8526827	Comment / 0
5.88	LR	Line of drain/sewer deviates right	8526845	Comment / 0
7.19	LR	Line of drain/sewer deviates right - Remark: S1.23 - S1-25 CARRIER	8526846	Comment / 0

End Node Ref:S1.23 - S1.25 CARRIER | I/L : metres

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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates right - Remark: S1.23 - S1-25 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**158**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 3**
End Node **S1.23 - S1.25 CARRIER**
Total length **3.19 metres**

Scale **1:0.17**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 3 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8526851	Comment / 0
0.00	WL	Water level 05% height/diameter	8526852	Comment / 0
0.02	LD	Line of drain/sewer deviates down	8526853	Comment / 0
1.14	LR	Line of drain/sewer deviates right - Remark: RESTBEND	8526854	Comment / 0
2.33	LR	Line of drain/sewer deviates right	8526855	Comment / 0
3.19	LR	Line of drain/sewer deviates right - Remark: S1.23 - S1.25 CARRIER	8526860	Comment / 0

End Node Ref:S1.23 - S1.25 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates down



Line of drain/sewer deviates right - Remark: RESTBEND



Line of drain/sewer deviates right



Line of drain/sewer deviates right - Remark: S1.23 - S1.25 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**159**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 4**
End Node **S1.23 - S1.25 CARRIER**
Total length **3.24 metres**

Scale **1:0.17**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 4 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8526871	Comment / 0
0.00	WL	Water level 05% height/diameter	8526872	Comment / 0
0.00	LD	Line of drain/sewer deviates down	8526873	Comment / 0
0.76	LR	Line of drain/sewer deviates right - Remark: RESTBEND	8526877	Comment / 0
1.71	LR	Line of drain/sewer deviates right	8526885	Comment / 0
3.24	LR	Line of drain/sewer deviates right - Remark: S1.23 - S1.25 CARRIER	8526887	Comment / 0

End Node Ref:S1.23 - S1.25 CARRIER | I/L : metres

BUXTONWATER

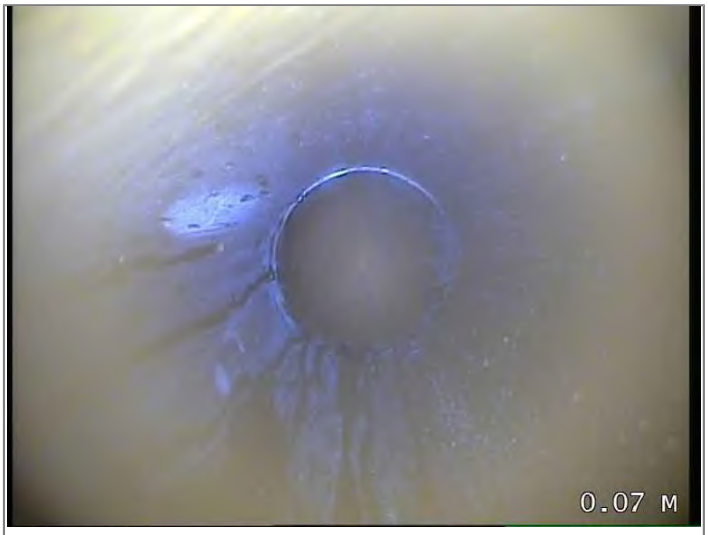
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



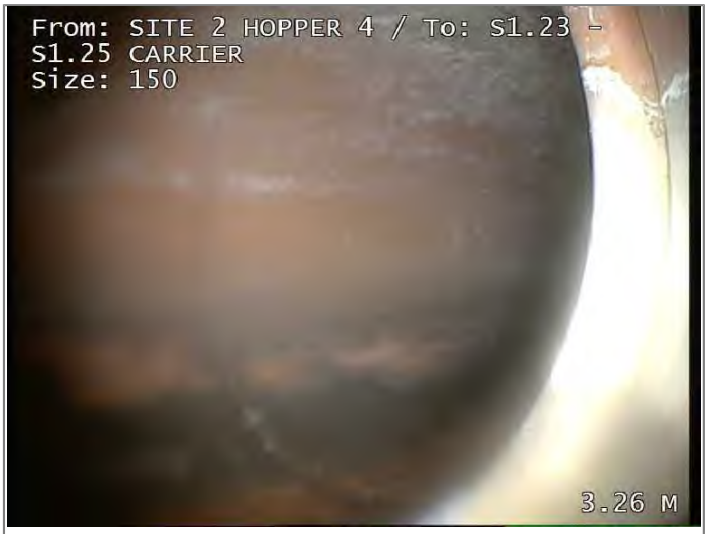
Line of drain/sewer deviates down



Line of drain/sewer deviates right - Remark: RESTBEND



Line of drain/sewer deviates right



Line of drain/sewer deviates right - Remark: S1.23 - S1.25 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**160**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 5**
End Node **S1.23 - S1.25 CARRIER**
Total length **4.1 metres**

Scale **1:0.22**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 5 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8526902	Comment / 0
0.00	WL	Water level 05% height/diameter	8526903	Comment / 0
0.00	LD	Line of drain/sewer deviates down	8526904	Comment / 0
0.98	LR	Line of drain/sewer deviates right - Remark: RESTBEND	8526905	Comment / 0
2.31	LR	Line of drain/sewer deviates right	8526915	Comment / 0
3.74	CN	Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 6	8526916	Comment / 0
4.10	LR	Line of drain/sewer deviates right - Remark: S1.23 - S1.25 CARRIER	8526941	Comment / 0

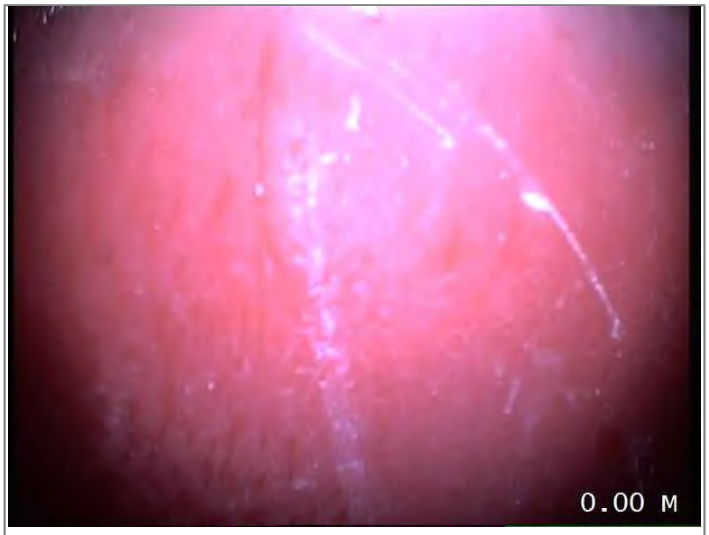
End Node Ref:S1.23 - S1.25 CARRIER | I/L : metres

BUXTONWATER

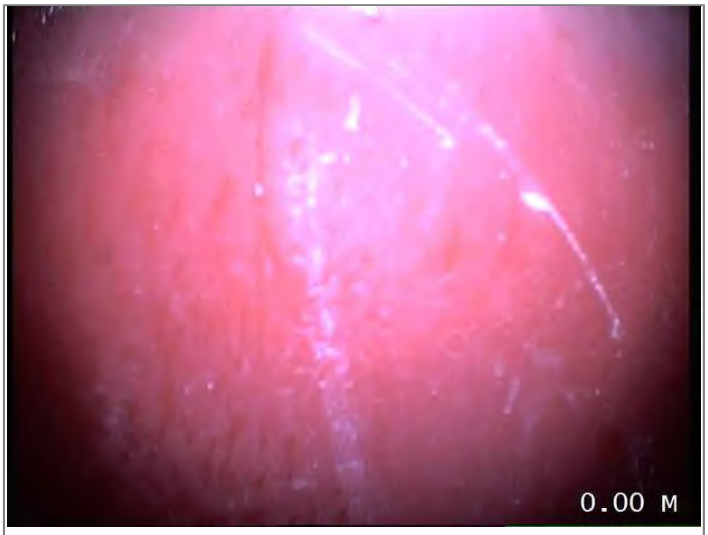
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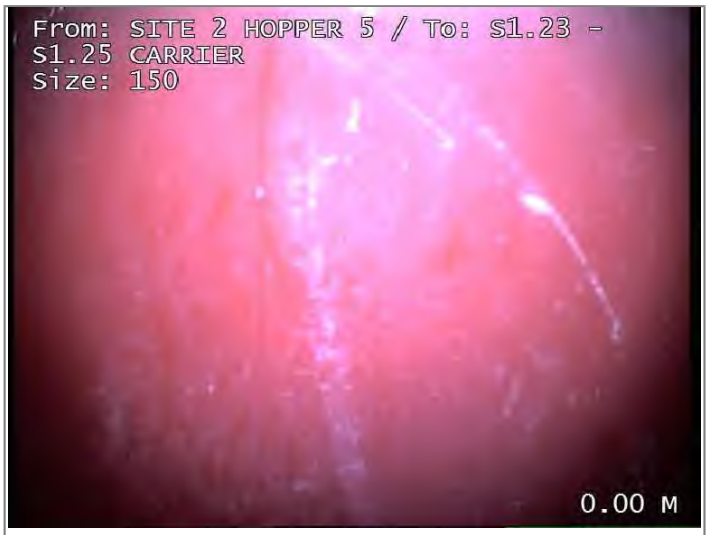
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates down



Line of drain/sewer deviates right - Remark: RESTBEND



Line of drain/sewer deviates right



Connection other than junction at 2 o'clock, diameter 150mm - Remark: HOPPER 6

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Line of drain/sewer deviates right - Remark: S1.23 - S1.25 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**161**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 6**
End Node **SITE 2 HOPPER 5 CARRIER**
Total length **2.93 metres**

Scale **1:0.15**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 6 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8526943	Comment / 0
0.00	WL	Water level 05% height/diameter	8526945	Comment / 0
0.00	LD	Line of drain/sewer deviates down	8526947	Comment / 0
1.62	LR	Line of drain/sewer deviates right	8526948	Comment / 0
2.93	OFF	Finish node type, outfall, reference SITE 2 HOPPER 5 CARRIER	8526949	Comment / 0

End Node Ref:SITE 2 HOPPER 5 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



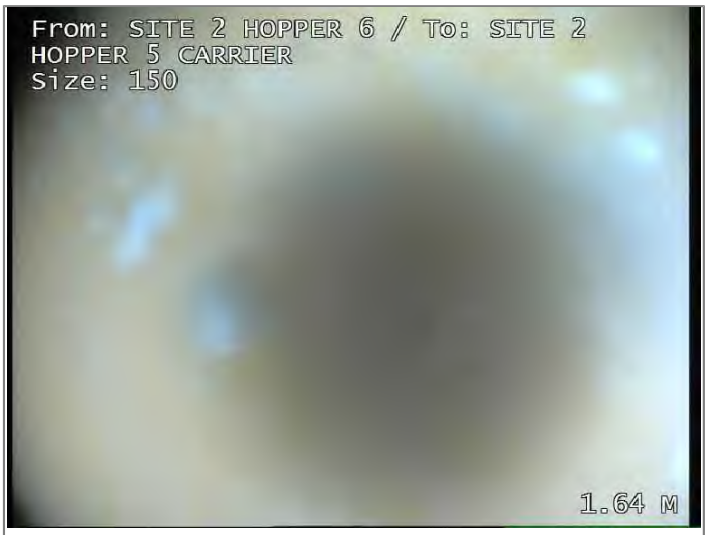
Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates down



Line of drain/sewer deviates right



Finish node type, outfall, reference SITE 2 HOPPER 5 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**162**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 7**
End Node **F1.7 (INACCESIBLE)**
Total length **4.62 metres**

Scale **1:0.24**
Direction **Downstream**

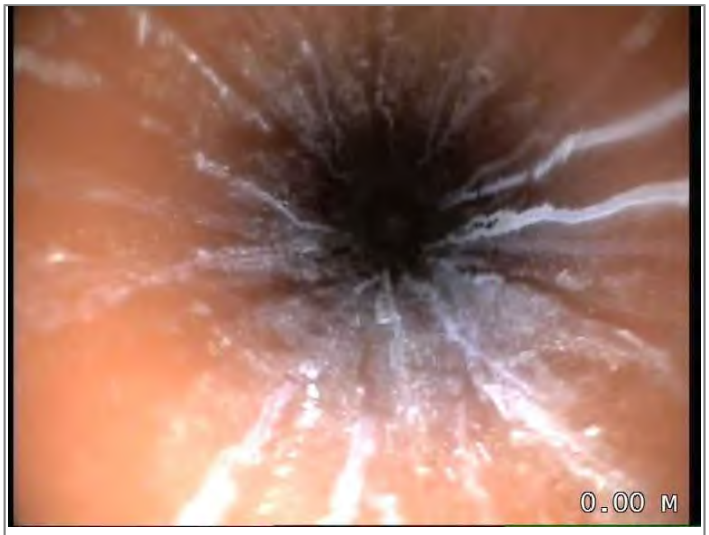
Start Node Ref:SITE 2 HOPPER 7 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8526989	Comment / 0
0.00	WL	Water level 05% height/diameter	8526990	Comment / 0
1.62	LR	Line of drain/sewer deviates right	8527002	Comment / 0
2.17	LL	Line of drain/sewer deviates left	8527004	Comment / 0
4.62	MHF	Finish node type, manhole, reference F1.7 (INACCESIBLE)	8527005	Comment / 0

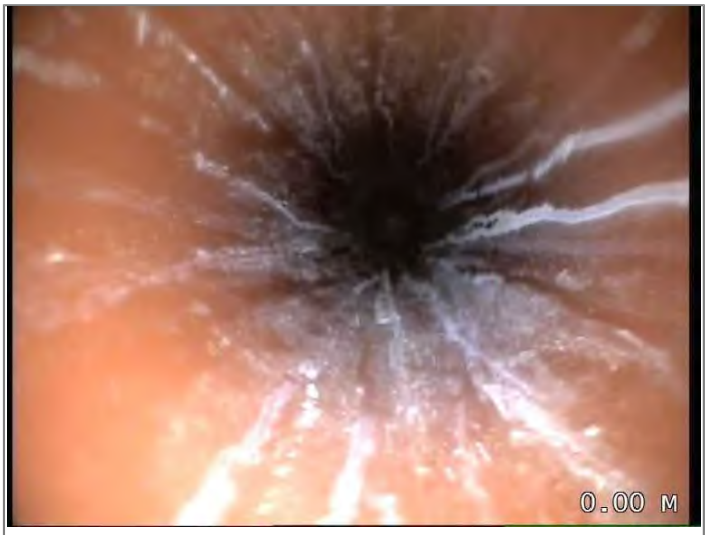
End Node Ref:F1.7 (INACCESIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates left



Finish node type, manhole, reference F1.7 (INACCESIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**163**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 8**
End Node **S1.24 - S1.25 CARRIER**
Total length **3.21 metres**

Scale **1:0.17**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 8 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8527024	Comment / 0
0.00	WL	Water level 05% height/diameter	8527025	Comment / 0
0.52	LR	Line of drain/sewer deviates right	8527028	Comment / 0
2.05	LD	Line of drain/sewer deviates down	8527029	Comment / 0
3.21	LL	Line of drain/sewer deviates left - Remark: S1.24 - S1.25 CARRIER	8527080	Comment / 0

End Node Ref:S1.24 - S1.25 CARRIER | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates down



Line of drain/sewer deviates left - Remark: S1.24 - S1.25 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**164**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 9**
End Node **S1.24 - S1.25 CARRIER**
Total length **3.1 metres**

Scale **1:0.16**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 9 | I/L : metres



Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8527082	Comment / 0
0.00	WL	Water level 05% height/diameter	8527083	Comment / 0
0.55	LL	Line of drain/sewer deviates left - Remark: RESTBEND	8527084	Comment / 0
1.40	LD	Line of drain/sewer deviates down	8527085	Comment / 0
3.10	LL	Line of drain/sewer deviates left - Remark: S1.24 - S1.25 CARRIER	8527086	Comment / 0

End Node Ref:S1.24 - S1.25 CARRIER | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left - Remark: RESTBEND



Line of drain/sewer deviates down



Line of drain/sewer deviates left - Remark: S1.24 - S1.25 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**5/0**	**BGBF9QDTDU**	**165**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 10**
End Node **F1.10 (INACCESSIBLE)**
Total length **7.43 metres**

Scale **1:0.39**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 10 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8527105	Comment / 0
0.00	WL	Water level 05% height/diameter	8527106	Comment / 0
0.95	LR	Line of drain/sewer deviates right - Remark: RESTBEND	8527107	Comment / 0
7.43	DEC	Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE	8527116	Service / 5

End Node Ref:F1.10 (INACCESSIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



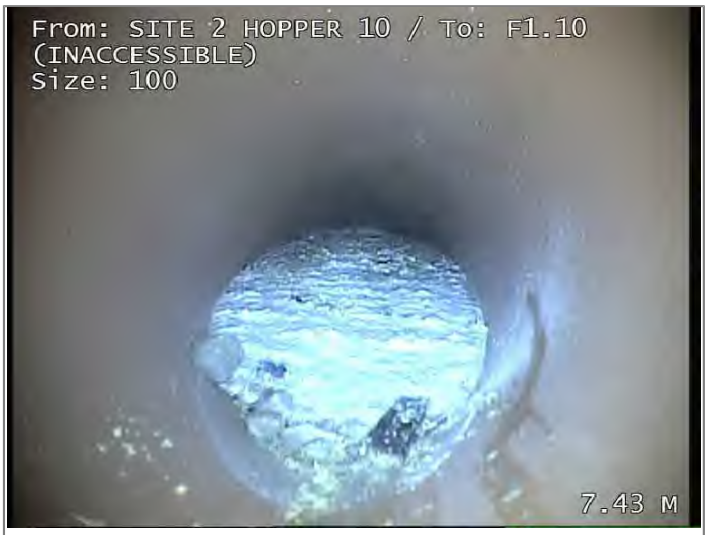
Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates right - Remark: RESTBEND



Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**166**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 11**
End Node **S1.24 - S1.25 CARRIER**
Total length **3.55 metres**

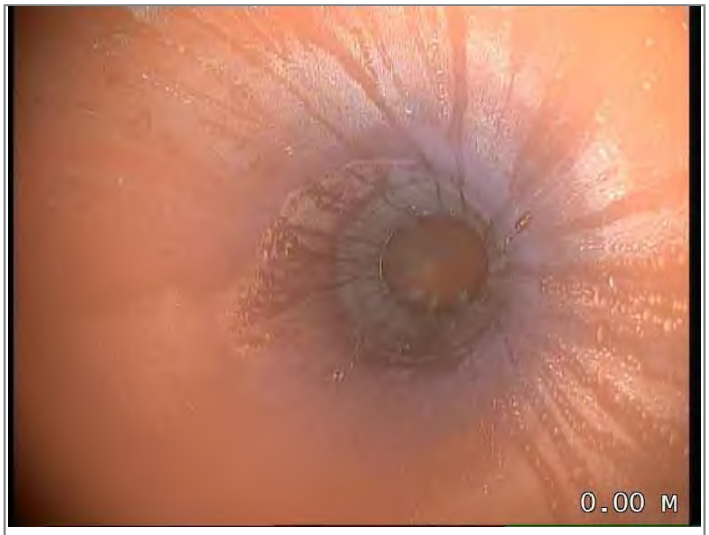
Scale **1:0.19**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 11 | I/L : metres

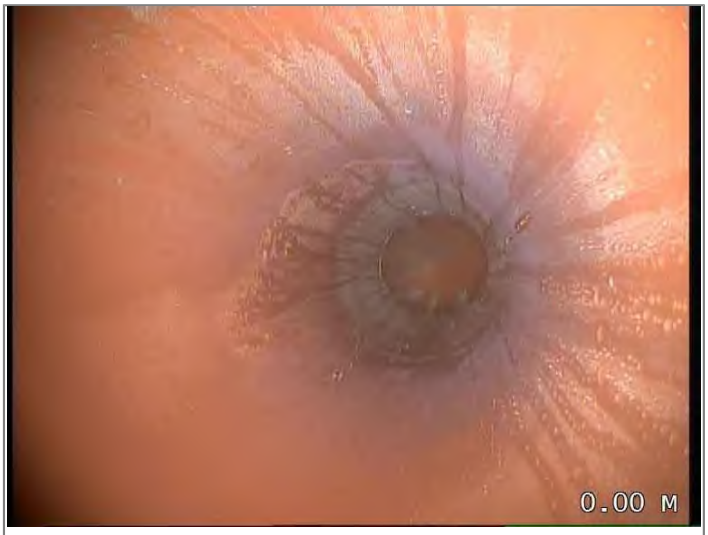
Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8527147	Comment / 0
0.00	WL	Water level 05% height/diameter	8527148	Comment / 0
1.45	LL	Line of drain/sewer deviates left - Remark: RESTBEND	8527150	Comment / 0
1.98	LD	Line of drain/sewer deviates down - Remark: & LEFT	8527168	Comment / 0
3.55	LL	Line of drain/sewer deviates left - Remark: S.24 - S1.25 CARRIER	8527179	Comment / 0

End Node Ref:S1.24 - S1.25 CARRIER | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left - Remark: RESTBEND



Line of drain/sewer deviates down - Remark: & LEFT



Line of drain/sewer deviates left - Remark: S.24 - S1.25 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**167**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 12**
End Node **S1.24 - S1.25 CARRIER**
Total length **3.67 metres**

Scale **1:0.19**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 12 | I/L : metres

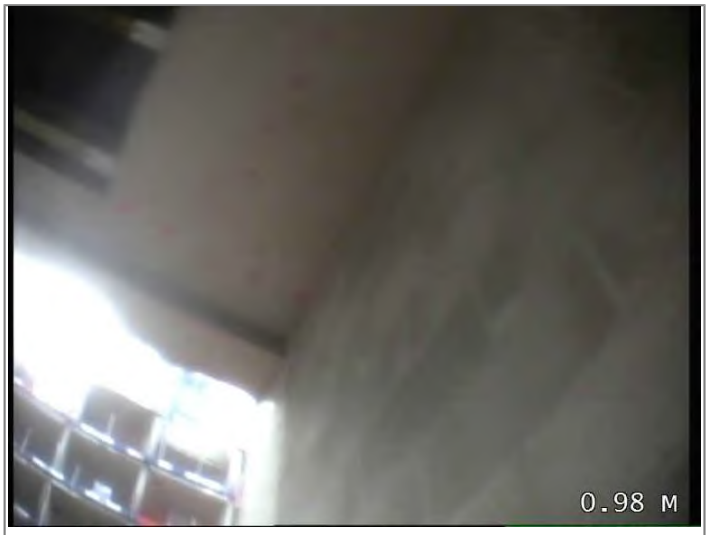
Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8528350	Comment / 0
0.00	WL	Water level 05% height/diameter	8528351	Comment / 0
0.79	LL	Line of drain/sewer deviates left - Remark: RESTBEND	8528358	Comment / 0
1.48	LL	Line of drain/sewer deviates left	8528359	Comment / 0
3.67	LL	Line of drain/sewer deviates left - Remark: S1.24 - S1.25 CARRIER	8528365	Comment / 0

End Node Ref:S1.24 - S1.25 CARRIER | I/L : metres

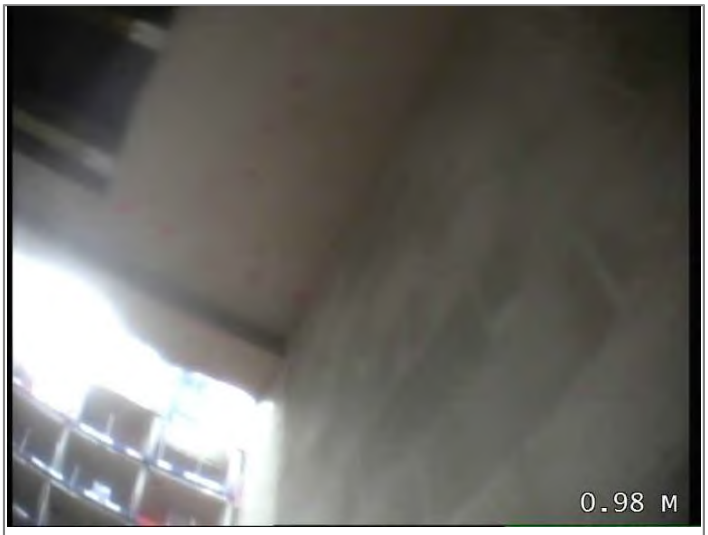
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left - Remark: RESTBEND



Line of drain/sewer deviates left



Line of drain/sewer deviates left - Remark: S1.24 - S1.25 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**168**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 13**
End Node **S1.24 - S1.25 CARRIER**
Total length **3.74 metres**

Scale **1:0.20**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 13 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8528387	Comment / 0
0.00	WL	Water level 05% height/diameter	8528388	Comment / 0
1.10	LL	Line of drain/sewer deviates left	8528389	Comment / 0
1.52	LL	Line of drain/sewer deviates left	8528390	Comment / 0
3.74	LL	Line of drain/sewer deviates left - Remark: S1.24 - S1.25 CARRIER	8528392	Comment / 0

End Node Ref:S1.24 - S1.25 CARRIER | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates left



Line of drain/sewer deviates left - Remark: S1.24 - S1.25 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**169**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 14**
End Node **S1.24 - S1.25 CARRIER**
Total length **3.55 metres**

Scale **1:0.19**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 14 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8528414	Comment / 0
0.00	WL	Water level 05% height/diameter	8528423	Comment / 0
1.60	LL	Line of drain/sewer deviates left - Remark: RESTBEND	8529037	Comment / 0
1.90	LL	Line of drain/sewer deviates left	8529039	Comment / 0
3.55	LL	Line of drain/sewer deviates left - Remark: S1.24 - S1.25	8529041	Comment / 0

End Node Ref:S1.24 - S1.25 CARRIER | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



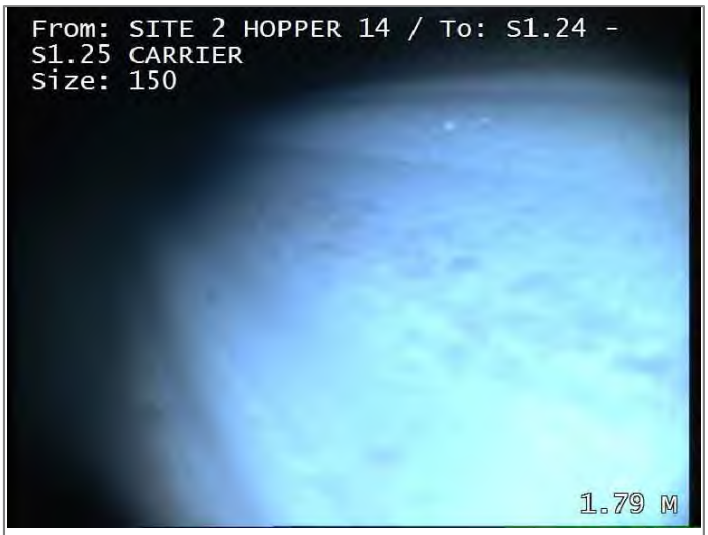
Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left - Remark: RESTBEND



Line of drain/sewer deviates left



Line of drain/sewer deviates left - Remark: S1.24 - S1.25

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**170**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 15**
End Node **S1.24**
Total length **4.1 metres**

Scale **1:0.22**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 15 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8529047	Comment / 0
0.00	WL	Water level 05% height/diameter	8529049	Comment / 0
1.26	LL	Line of drain/sewer deviates left	8529052	Comment / 0
1.90	LL	Line of drain/sewer deviates left	8529053	Comment / 0
3.31	LL	Line of drain/sewer deviates left	8529055	Comment / 0
4.10	MHF	Finish node type, manhole, reference S1.24	8529056	Comment / 0

End Node Ref:S1.24 | I/L : metres

BUXTONWATER

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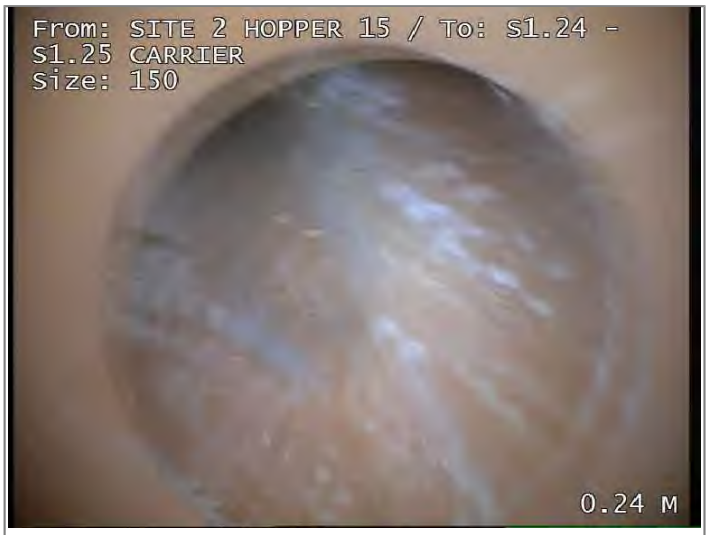
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates left



Line of drain/sewer deviates left



Finish node type, manhole, reference S1.24

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.24 X**	**18/09/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
2 - Heavy Rain		**0/0**	**BGBF9QDTDU**	**171**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.24**
End Node **S1.25 HYDROBRAKE MH**
Total length **17.17 metres**

Scale **1:0.90**
Direction **Downstream**

Start Node Ref:S1.24 | I/L : metres | Depth: 1.07 metres

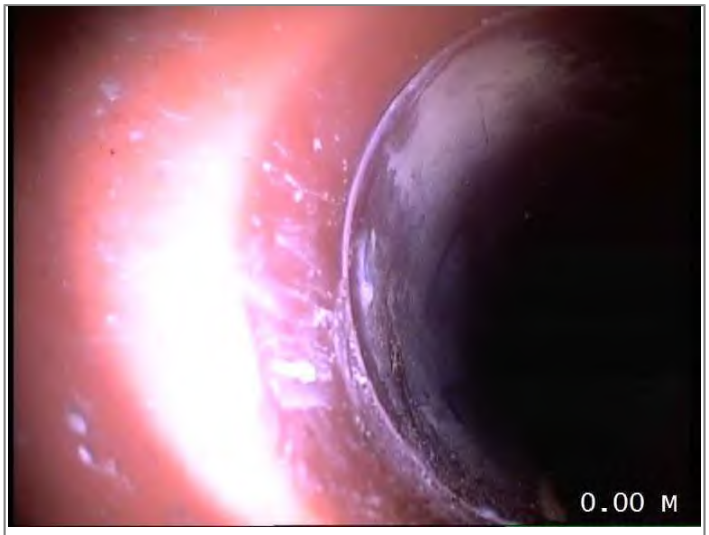
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.24	8529058	Comment / 0
0.00	WL	Water level 05% height/diameter	8529059	Comment / 0
2.19	CN	Connection other than junction at 10 o'clock, diameter 150mm	8529061	Comment / 0
4.12	CN	Connection other than junction at 10 o'clock, diameter 150mm	8529062	Comment / 0
5.26	CN	Connection other than junction at 10 o'clock, diameter 150mm	8529064	Comment / 0
8.60	CN	Connection other than junction at 10 o'clock, diameter 50mm	8529066	Comment / 0
10.88	CN	Connection other than junction at 10 o'clock, diameter 150mm	8529067	Comment / 0
11.12	CN	Connection other than junction at 10 o'clock, diameter 150mm	8529070	Comment / 0
14.48	CN	Connection other than junction at 10 o'clock, diameter 150mm	8529071	Comment / 0
15.76	CN	Connection other than junction at 10 o'clock, diameter 150mm	8529072	Comment / 0
16.83	CN	Connection other than junction at 12 o'clock, diameter 150mm	8529074	Comment / 0
17.17	LD	Line of drain/sewer deviates down - Remark: DROPSHAFT FOR MH S1.25	8529075	Comment / 0

End Node Ref:S1.25 HYDROBRAKE MH | I/L : metres

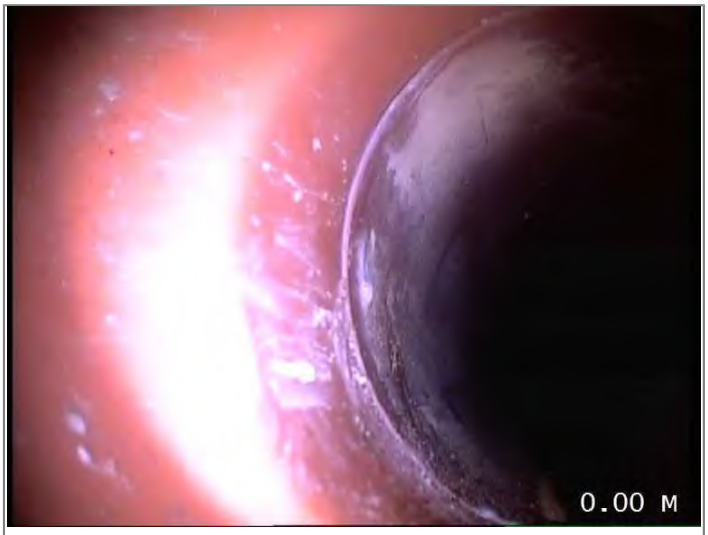
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Start node type, manhole, reference S1.24



Water level 05% height/diameter



Connection other than junction at 10 o'clock, diameter 150mm



Connection other than junction at 10 o'clock, diameter 150mm



Connection other than junction at 10 o'clock, diameter 150mm



Connection other than junction at 10 o'clock, diameter 50mm

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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**18/09/2023**



Connection other than junction at 10 o'clock, diameter 150mm



Connection other than junction at 10 o'clock, diameter 150mm



Connection other than junction at 10 o'clock, diameter 150mm



Connection other than junction at 10 o'clock, diameter 150mm



Connection other than junction at 12 o'clock, diameter 150mm



Line of drain/sewer deviates down - Remark: DROPSHAFT FOR MH S1.25

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.3 X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**172**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.3**
End Node **S1.4**
Total length **31.57 metres**

Scale **1:1.66**
Direction **Downstream**

Start Node Ref:S1.3 | I/L : metres | Depth: 1.7 metres

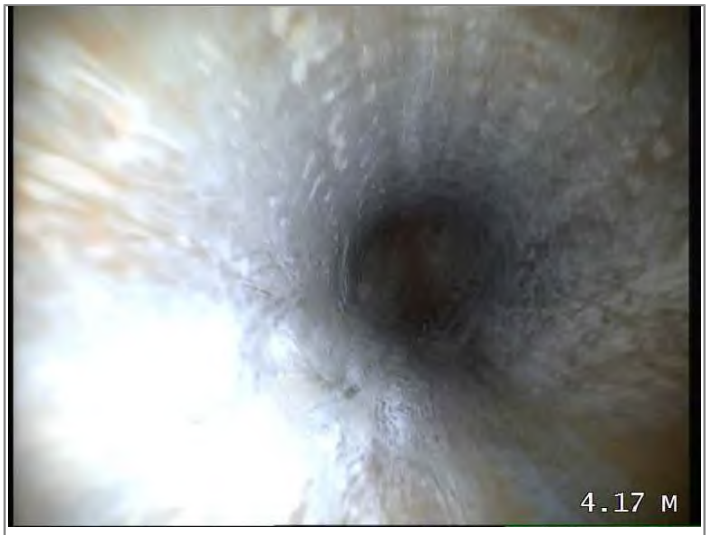
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.3	8726015	Comment / 0
0.00	WL	Water level 05% height/diameter	8726016	Comment / 0
24.12	GP	General photograph taken at this point - Remark: LINE PAINT CAN IN DRAIN	8726043	Comment / 0
31.57	REM	UNABLE TO PUSH FURTHER	8726045	Comment / 0
31.57	REM	REVERSE SURVEY DUE TO LOSS OF VISION DUE TO LINE PAINT CAN	8726047	Comment / 0

End Node Ref:S1.4 | I/L : metres

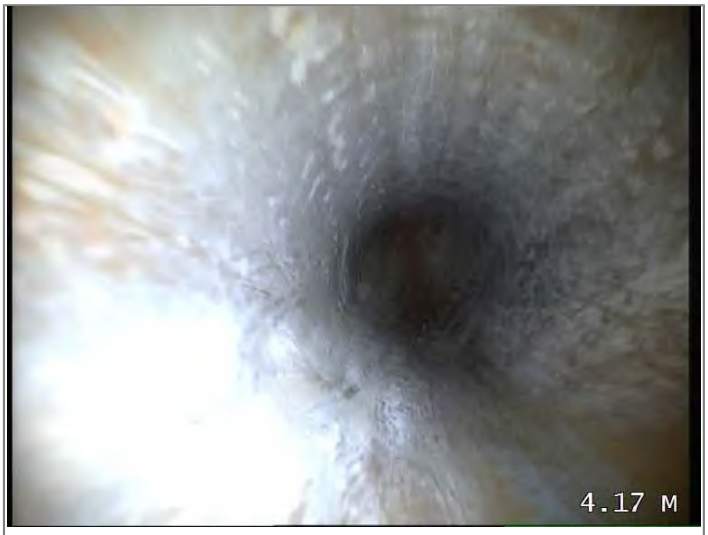
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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



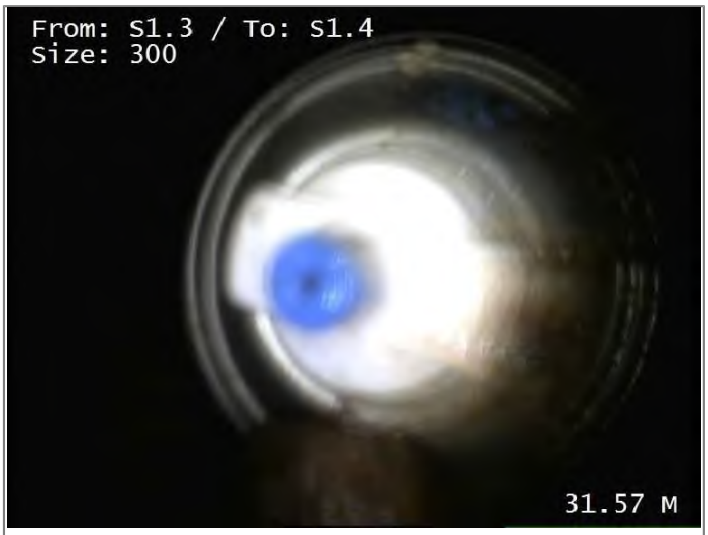
Start node type, manhole, reference S1.3



Water level 05% height/diameter



General photograph taken at this point - Remark: LINE PAINT CAN IN DRAIN



UNABLE TO PUSH FURTHER



REVERSE SURVEY DUE TO LOSS OF VISION DUE TO LINE PAINT CAN

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.0A X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**173**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.3**
End Node **S1.0A**
Total length **5.81 metres**

Scale **1:0.30**
Direction **Upstream**

Start Node Ref:S1.3 | I/L : metres | Depth: 1.7 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.3	8726054	Comment / 0
0.00	WL	Water level 05% height/diameter	8726059	Comment / 0
5.81	MHF	Finish node type, manhole, reference S1.0A	8726060	Comment / 0

End Node Ref:S1.0A | I/L : metres | Depth: 1.11 metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference S1.3



Water level 05% height/diameter



Finish node type, manhole, reference S1.0A

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**174**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.20A LEG 1**
End Node **RESTBEND**
Total length **9.07 metres**

Scale **1:0.48**
Direction **Upstream**

Start Node Ref:F2.20A LEG 1 | I/L : metres | Depth: 2.23 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.20A LEG 1	8726064	Comment / 0
0.00	WL	Water level 05% height/diameter	8726243	Comment / 0
9.07	OFF	Finish node type, outfall, reference RESTBEND	8726245	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.20A LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**175**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.20A LEG 2**
End Node **RESTBEND**
Total length **3.5 metres**

Scale **1:0.18**
Direction **Upstream**

Start Node Ref:F2.20A LEG 2 | I/L : metres | Depth: 2.23 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.20A LEG 2	8726246	Comment / 0
0.00	WL	Water level 05% height/diameter	8726247	Comment / 0
3.50	OFF	Finish node type, outfall, reference RESTBEND	8726248	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.20A LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.20A X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**176**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.20A**
End Node **F2.20**
Total length **4.4 metres**

Scale **1:0.23**
Direction **Downstream**

Start Node Ref:F2.20A | I/L : metres | Depth: 2.23 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.20A	8726249	Comment / 0
0.00	WL	Water level 05% height/diameter	8726250	Comment / 0
4.40	LD	Line of drain/sewer deviates down - Remark: DROPSHAFT TO MH F2.20	8726251	Comment / 0
4.40	MHF	Finish node type, manhole, reference F2.20 (INACCESSIBLE UNDER LIFT SHAFT)	8726252	Comment / 0

End Node Ref:F2.20 | I/L : metres

CCTV Inspection Photos

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



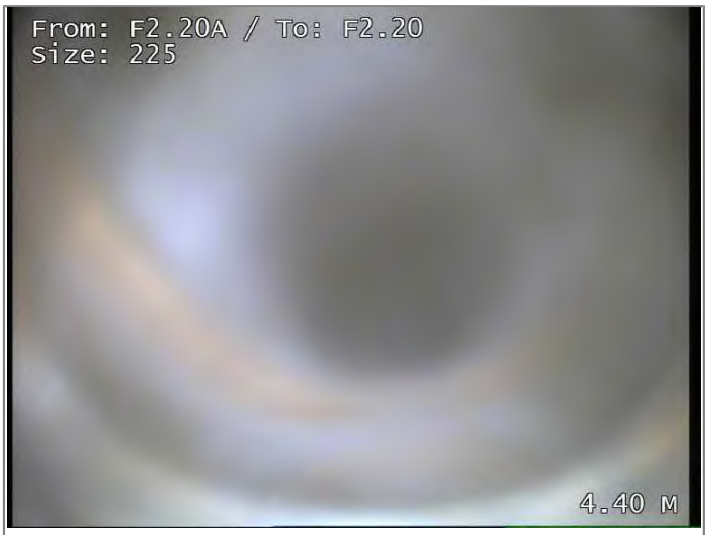
Start node type, manhole, reference F2.20A



Water level 05% height/diameter



Line of drain/sewer deviates down - Remark: DROPSHAFT TO MH F2.20



Finish node type, manhole, reference F2.20 (INACCESSIBLE UNDER LIFT SHAFT)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.0 (BURIX**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**177**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.0A**
End Node **S1.0 (BURIED UNDER CONCRETE INACCESIBLE)**
Total length **2.48 metres**

Scale **1:0.13**
Direction **Upstream**

Start Node Ref:S1.0A | I/L : metres | Depth: 1.11 metres



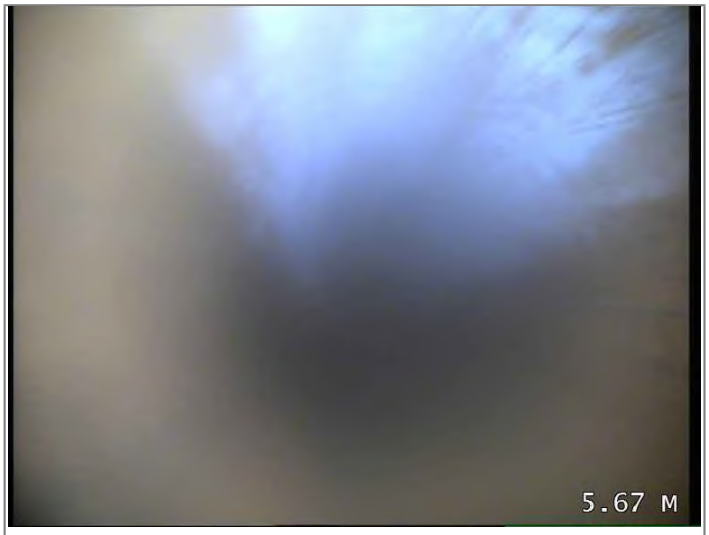
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.0A	8726253	Comment / 0
0.00	WL	Water level 05% height/diameter	8726254	Comment / 0
1.83	LL	Line of drain/sewer deviates left	8726255	Comment / 0
2.48	MHF	Finish node type, manhole, reference S1.0 (BURIED UNDER CONCRETE INACCESIBLE)	8726256	Comment / 0

End Node Ref:S1.0 (BURIED UNDER CONCRETE INACCESIBLE) | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference S1.0A



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, manhole, reference S1.0 (BURIED UNDER CONCRETE INACCESIBLE)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**178**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.0A LEG 1**
End Node **RESTBEND**
Total length **10.24 metres**

Scale **1:0.54**
Direction **Upstream**

Start Node Ref:S1.0A LEG 1 | I/L : metres | Depth: 1.11 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.0A LEG 1	8726258	Comment / 0
0.00	WL	Water level 05% height/diameter	8726259	Comment / 0
2.71	LL	Line of drain/sewer deviates left	8726260	Comment / 0
10.24	OFF	Finish node type, outfall, reference RESTBEND	8726262	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference S1.0A LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.19 X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**179**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.19**
End Node **F2.20 (INACCESSIBLE UNDER HOIST)**
Total length **15.31 metres**

Scale **1:0.80**
Direction **Downstream**

Start Node Ref:F2.19 | I/L : metres | Depth: 1.45 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.19	8726500	Comment / 0
0.00	WL	Water level 05% height/diameter	8726501	Comment / 0
0.64	LL	Line of drain/sewer deviates left	8726513	Comment / 0
13.29	LR	Line of drain/sewer deviates right	8726515	Comment / 0
15.31	LD	Line of drain/sewer deviates down - Remark: DROPSHAFT FOR MH F2.20	8726528	Comment / 0

End Node Ref:F2.20 (INACCESSIBLE UNDER HOIST) | I/L : metres

BUXTONWATER

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.19



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates right



Line of drain/sewer deviates down - Remark: DROPSHAFT FOR MH F2.20

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**180**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.19 LEG1**
End Node **RESTBEND**
Total length **1.88 metres**

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

Start Node Ref:F2.19 LEG1 | I/L : metres | Depth: 1.45 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.19 LEG1	8726530	Comment / 0
0.00	WL	Water level 05% height/diameter	8726532	Comment / 0
0.40	LR	Line of drain/sewer deviates right	8726533	Comment / 0
1.88	OFF	Finish node type, outfall, reference RESTBEND	8726544	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.19 LEG1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**181**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.19 LEG2**
End Node **RESTBEND**
Total length **3.57 metres**

Scale **1:0.19**
Direction **Upstream**

Start Node Ref:F2.19 LEG2 | I/L : metres | Depth: 1.45 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.19 LEG2	8726549	Comment / 0
0.00	WL	Water level 05% height/diameter	8726550	Comment / 0
3.57	OFF	Finish node type, outfall, reference RESTBEND	8726554	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.19 LEG2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**182**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18**
End Node **RESTBEND**
Total length **4.74 metres**

Scale **1:0.25**
Direction **Upstream**

Start Node Ref:F2.18 | I/L : metres | Depth: 1.25 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18	8728222	Comment / 0
0.00	WL	Water level 05% height/diameter	8728223	Comment / 0
0.24	SC	Dimensions of drain/sewer changes to 100mm	8728224	Comment / 0
0.24	LR	Line of drain/sewer deviates right	8728232	Comment / 0
4.74	OFF	Finish node type, outfall, reference RESTBEND	8728235	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18



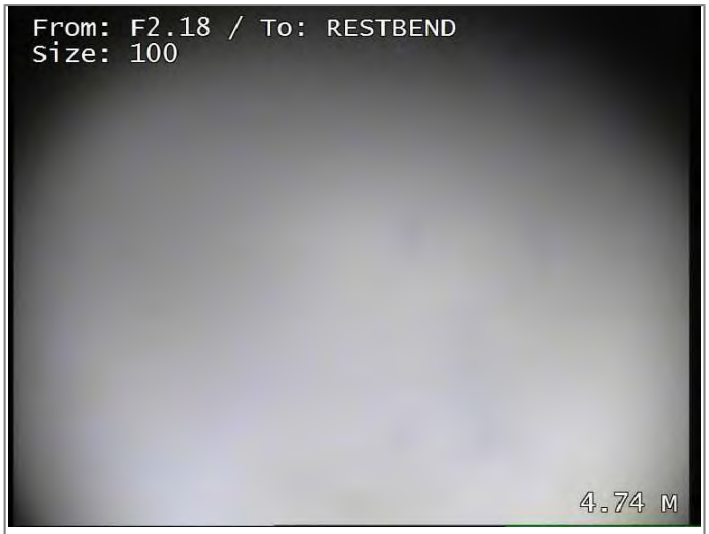
Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**183**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18 LEG 1**
End Node **RESTBEND**
Total length **1.74 metres**

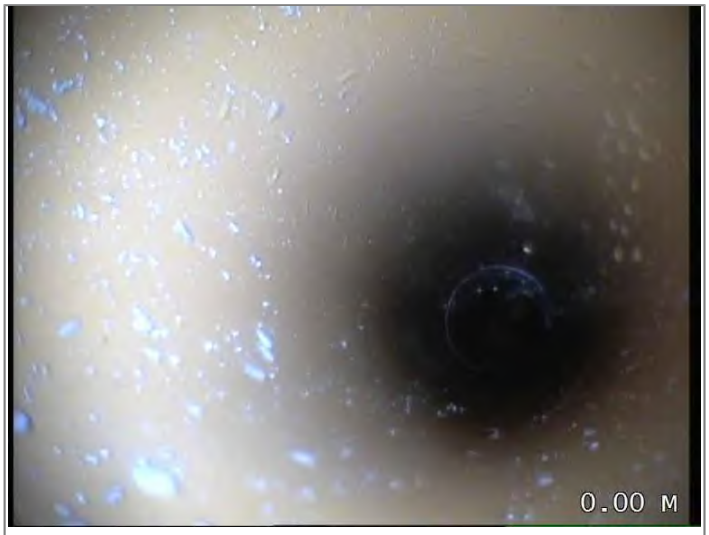
Scale **1:0.09**
Direction **Upstream**

Start Node Ref:F2.18 LEG 1 | I/L : metres | Depth: 1.25 metres

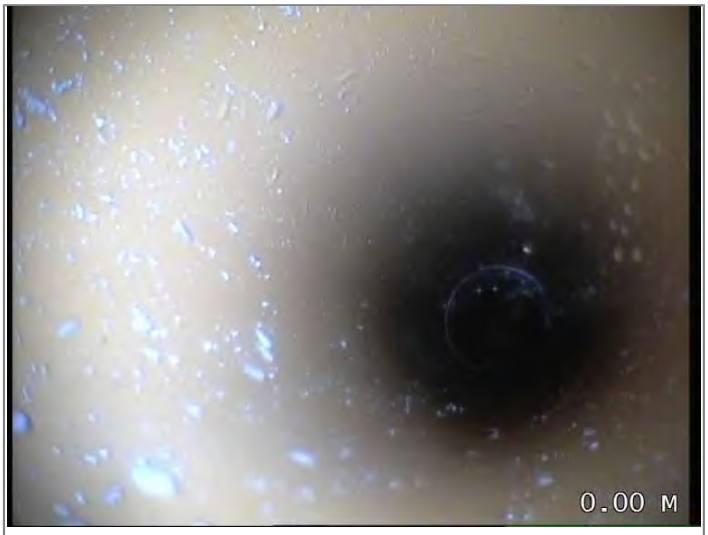
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18 LEG 1	8728253	Comment / 0
0.00	WL	Water level 05% height/diameter	8728254	Comment / 0
1.74	OFF	Finish node type, outfall, reference RESTBEND	8728256	Comment / 0

End Node Ref:RESTBEND | I/L : metres

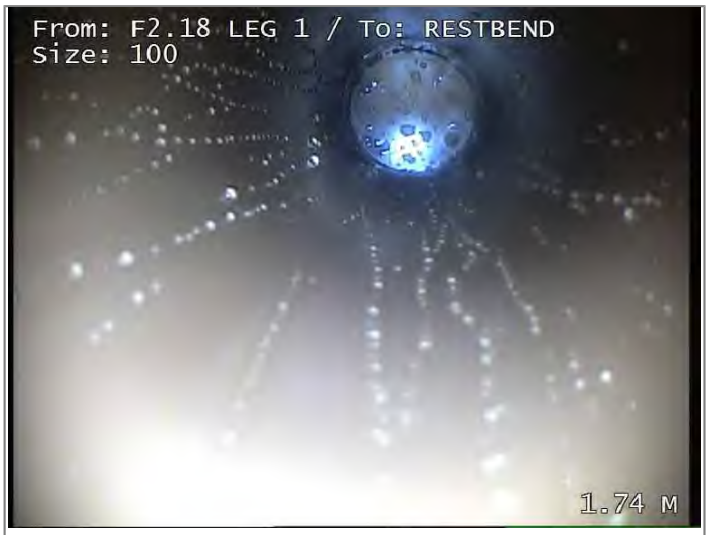
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**184**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18 LEG 2**
End Node **RESTBEND**
Total length **3.26 metres**

Scale **1:0.17**
Direction **Upstream**

Start Node Ref:F2.18 LEG 2 | I/L : metres | Depth: 1.25 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18 LEG 2	8728266	Comment / 0
0.00	WL	Water level 05% height/diameter	8728267	Comment / 0
3.26	OFF	Finish node type, outfall, reference RESTBEND	8728270	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18 LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.18 X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**185**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18**
End Node **F2.18A**
Total length **1.69 metres**

Scale **1:0.09**
Direction **Downstream**

Start Node Ref:F2.18 | I/L : metres | Depth: 1.25 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18	8728278	Comment / 0
0.00	WL	Water level 05% height/diameter	8728287	Comment / 0
1.69	MHF	Finish node type, manhole, reference F2.18A	8728288	Comment / 0

End Node Ref:F2.18A | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18



Water level 05% height/diameter



Finish node type, manhole, reference F2.18A

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**186**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18A LEG 1**
End Node **RESTBEND**
Total length **2.83 metres**

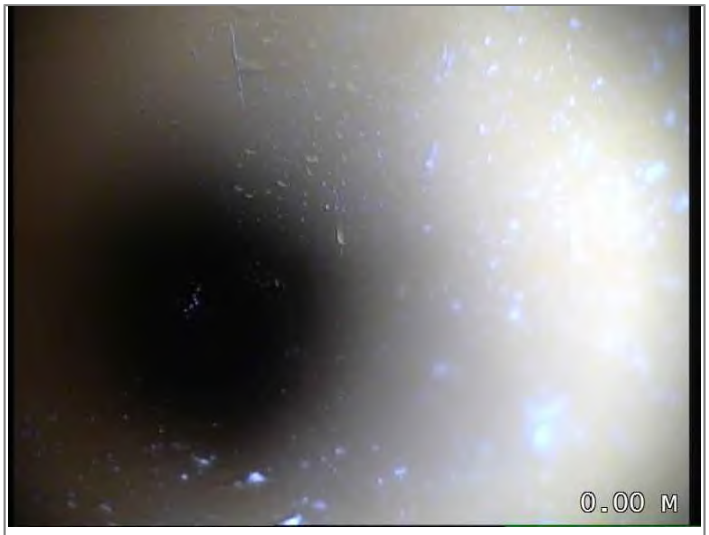
Scale **1:0.15**
Direction **Upstream**

Start Node Ref:F2.18A LEG 1 | I/L : metres | Depth: 1.34 metres

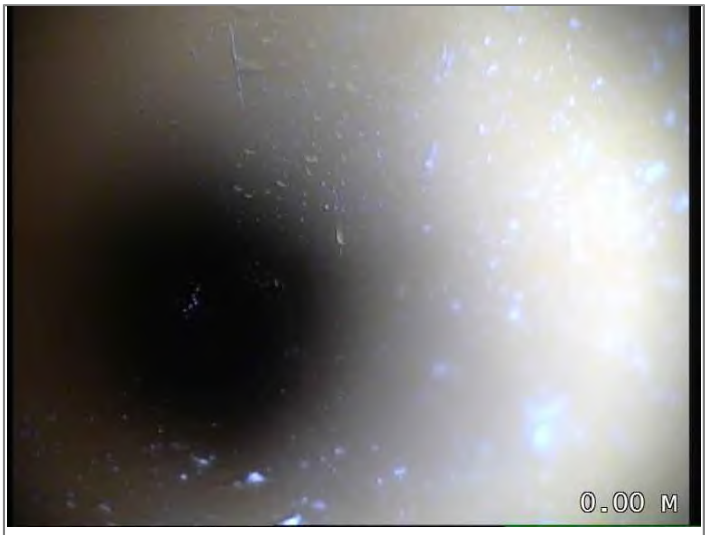
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18A LEG 1	8728336	Comment / 0
0.00	WL	Water level 05% height/diameter	8728341	Comment / 0
2.83	OFF	Finish node type, outfall, reference RESTBEND	8728345	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18A LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**187**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18A LEG 2**
End Node **RESTBEND**
Total length **0.95 metres**

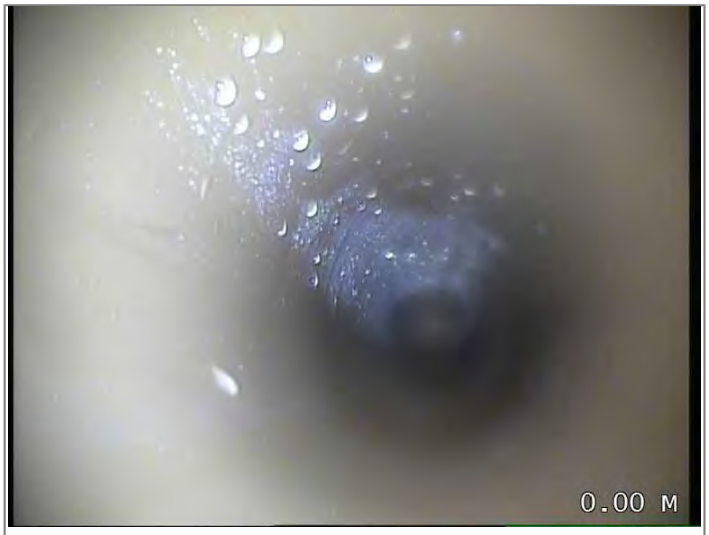
Scale **1:0.05**
Direction **Upstream**

Start Node Ref:F2.18A LEG 2 | I/L : metres | Depth: 1.34 metres

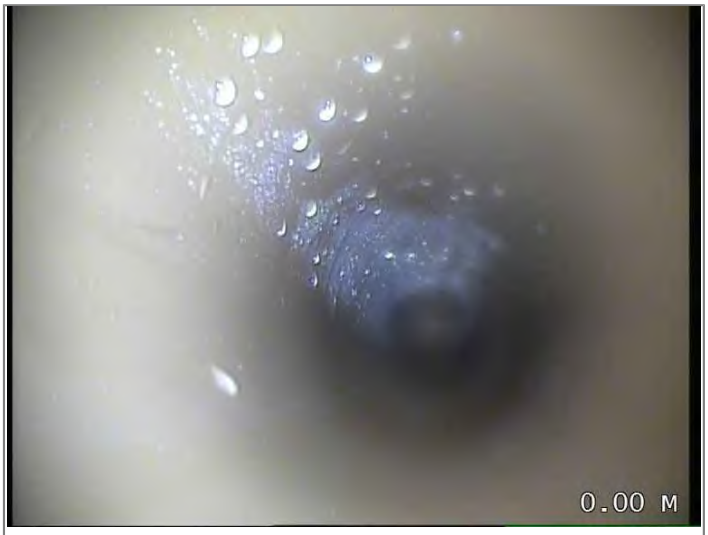
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18A LEG 2	8728349	Comment / 0
0.00	WL	Water level 05% height/diameter	8728362	Comment / 0
0.95	OFF	Finish node type, outfall, reference RESTBEND	8728364	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18A LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.18A X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**188**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18A**
End Node **F2.18B**
Total length **2.12 metres**

Scale **1:0.11**
Direction **Downstream**

Start Node Ref:F2.18A | I/L : metres | Depth: 1.34 metres

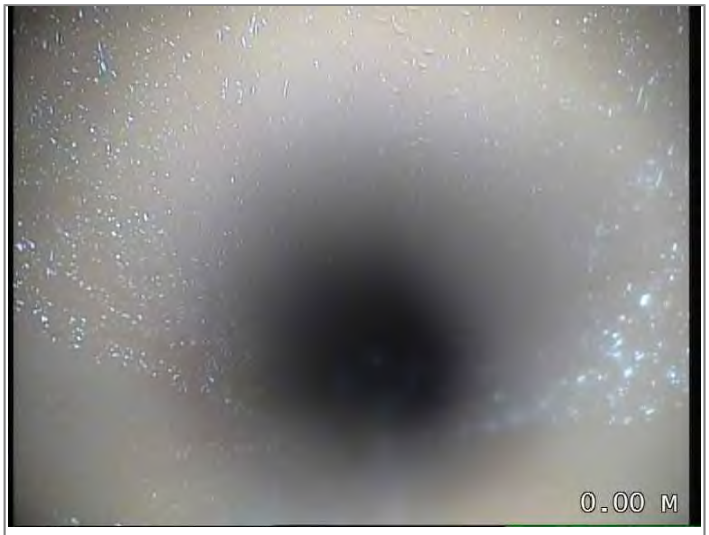
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18A	8728372	Comment / 0
0.00	WL	Water level 05% height/diameter	8728374	Comment / 0
2.12	MHF	Finish node type, manhole, reference F2.18B	8728378	Comment / 0

End Node Ref:F2.18B | I/L : metres

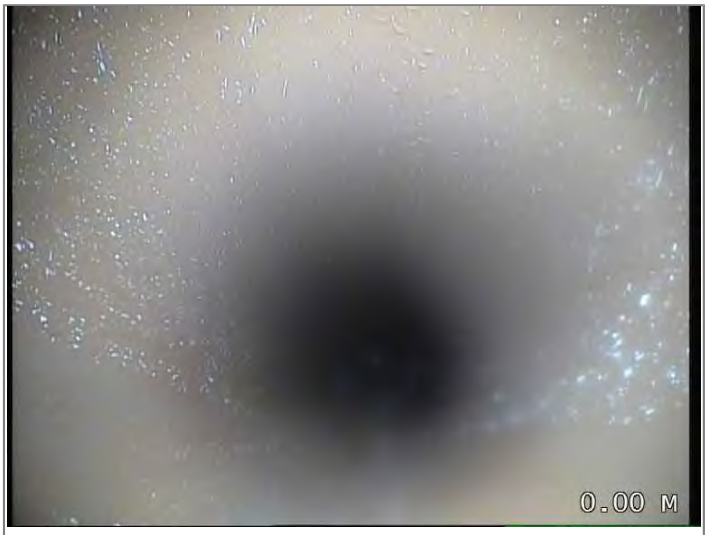
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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18A



Water level 05% height/diameter



Finish node type, manhole, reference F2.18B

CCTV Inspection Report

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**189**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18B LEG 1**
End Node **RESTBEND**
Total length **1.93 metres**

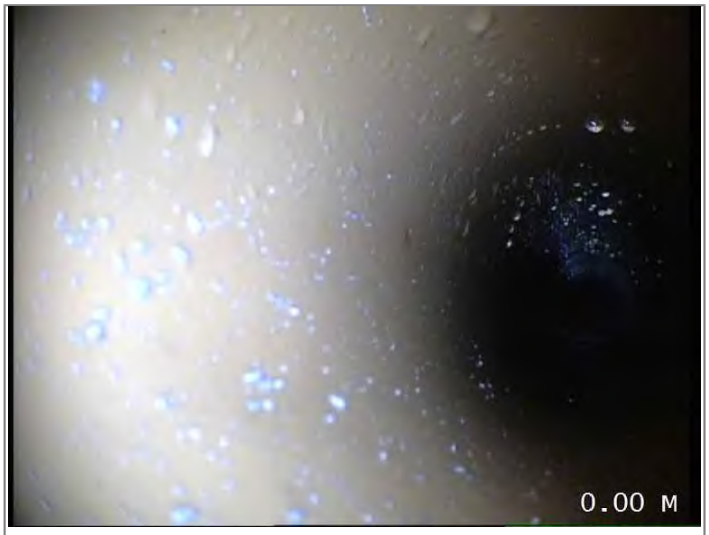
Scale **1:0.10**
Direction **Upstream**

Start Node Ref:F2.18B LEG 1 | I/L : metres | Depth: 1.42 metres

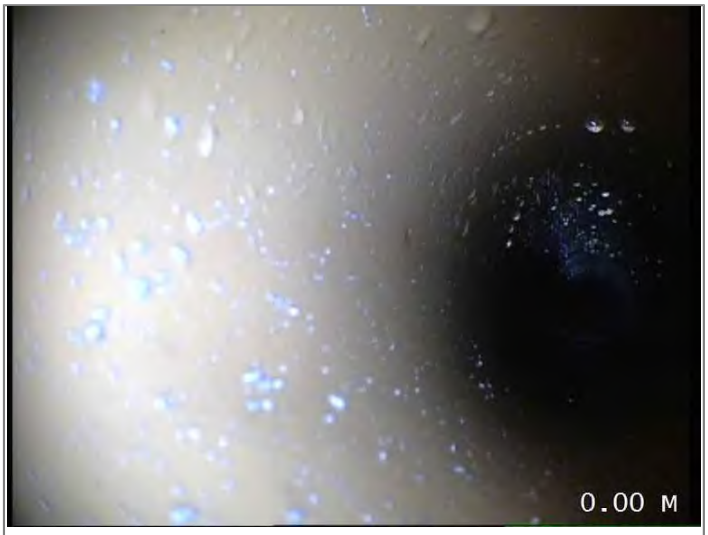
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18B LEG 1	8728405	Comment / 0
0.00	WL	Water level 05% height/diameter	8728407	Comment / 0
1.93	OFF	Finish node type, outfall, reference RESTBEND	8728409	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18B LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**190**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18B LEG 2**
End Node **RESTBEND**
Total length **6 metres**

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

Start Node Ref:F2.18B LEG 2 | I/L : metres | Depth: 1.42 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18B LEG 2	8728419	Comment / 0
0.00	WL	Water level 05% height/diameter	8728420	Comment / 0
6.00	OFF	Finish node type, outfall, reference RESTBEND	8728422	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18B LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**191**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18B LEG 3**
End Node **RESTBEND**
Total length **2.62 metres**

Scale **1:0.14**
Direction **Upstream**

Start Node Ref:F2.18B LEG 3 | I/L : metres | Depth: 1.42 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18B LEG 3	8728458	Comment / 0
0.00	WL	Water level 05% height/diameter	8728459	Comment / 0
0.14	SC	Dimensions of drain/sewer changes to 100mm	8728460	Comment / 0
2.38	LL	Line of drain/sewer deviates left	8728882	Comment / 0
2.62	OFF	Finish node type, outfall, reference RESTBEND	8728883	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18B LEG 3



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.19 X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**192**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.18B**
End Node **F2.19**
Total length **0.9 metres**

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

Start Node Ref:F2.18B | I/L : metres | Depth: 1.43 metres

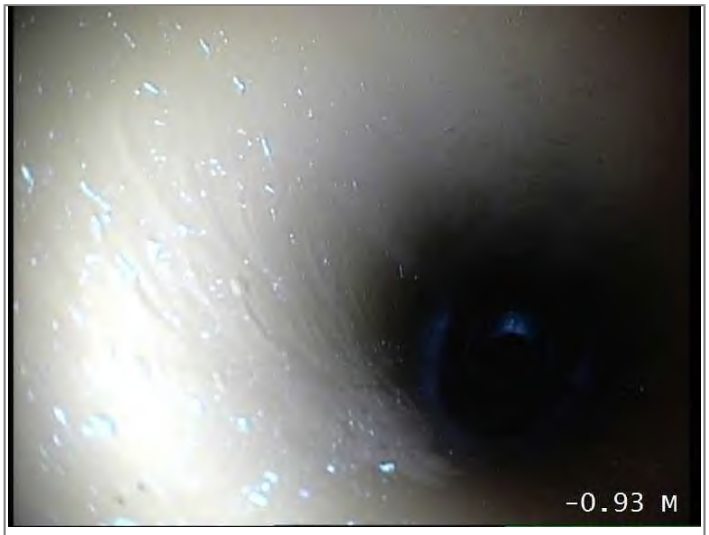
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.18B	8728884	Comment / 0
0.00	WL	Water level 05% height/diameter	8728885	Comment / 0
0.90	MHF	Finish node type, manhole, reference F2.19	8728886	Comment / 0

End Node Ref:F2.19 | I/L : metres | Depth: 1.45 metres

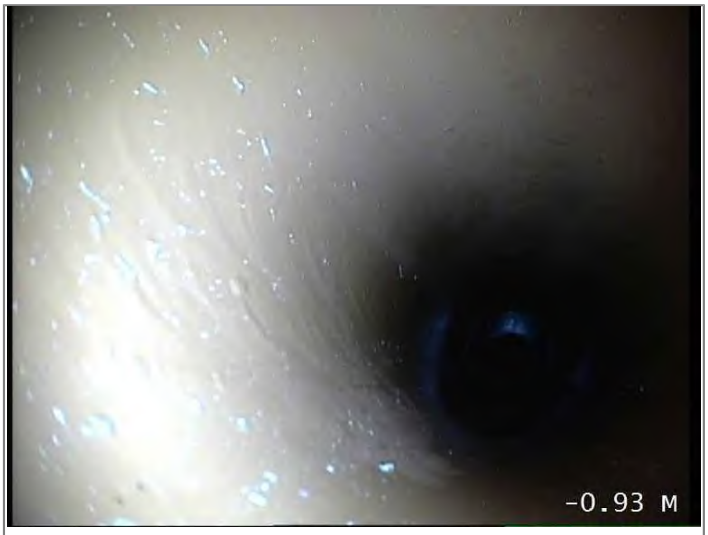
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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.18B



Water level 05% height/diameter



Finish node type, manhole, reference F2.19

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**193**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

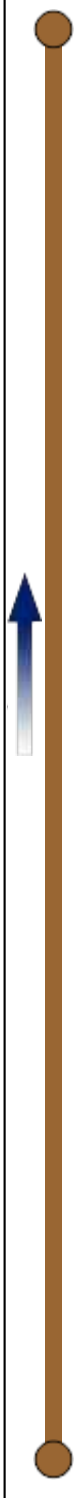
Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.14**
End Node **RESTBEND**
Total length **0 metres**

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

Start Node Ref:F2.14 | I/L : metres | Depth: 1.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.14	8728905	Comment / 0
0.00	WL	Water level 05% height/diameter	8728906	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP UNABLE TO SURVEY	8728907	Comment / 0



End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.14



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP UNABLE TO SURVEY

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**194**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.14 LEG 1**
End Node **RESTBEND**
Total length **2.55 metres**

Scale **1:0.13**
Direction **Upstream**

Start Node Ref:F2.14 LEG 1 | I/L : metres | Depth: 1.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.14 LEG 1	8728917	Comment / 0
0.00	WL	Water level 05% height/diameter	8728918	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8728919	Comment / 0
2.55	OFF	Finish node type, outfall, reference RESTBEND	8728920	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.14 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**195**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.14 LEG 2**
End Node **RESTBEND**
Total length **1.26 metres**

Scale **1:0.07**
Direction **Upstream**

Start Node Ref:F2.14 LEG 2 | I/L : metres | Depth: 1.0 metres

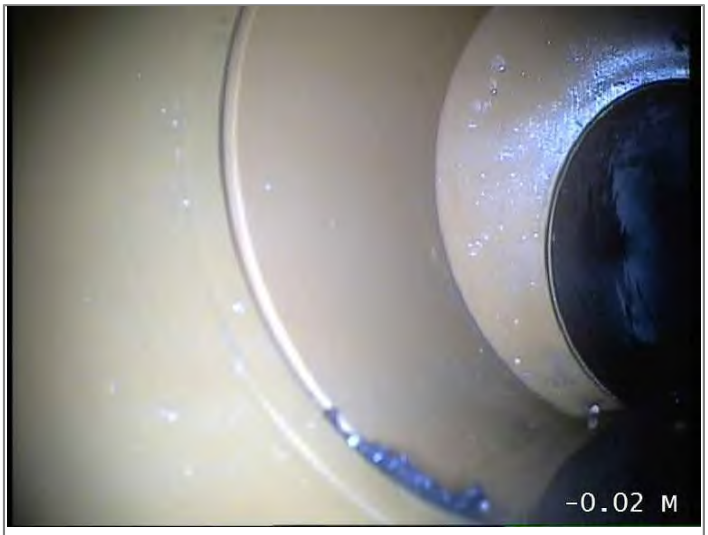
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.14 LEG 2	8728921	Comment / 0
0.00	WL	Water level 05% height/diameter	8728922	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8728923	Comment / 0
0.07	SC	Dimensions of drain/sewer changes to 100mm	8728924	Comment / 0
1.26	OFF	Finish node type, outfall, reference RESTBEND	8728925	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.14 LEG 2



Water level 05% height/diameter



Line of drain/sewer deviates right



Dimensions of drain/sewer changes to 100mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.14 X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**196**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.14**
End Node **F2.14A**
Total length **1 metres**

Scale **1:0.05**
Direction **Downstream**

Start Node Ref:F2.14 | I/L : metres | Depth: 1.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.14	8728928	Comment / 0
0.00	WL	Water level 05% height/diameter	8728929	Comment / 0
1.00	MHF	Finish node type, manhole, reference F2.14A	8728930	Comment / 0

End Node Ref:F2.14A | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.14



Water level 05% height/diameter



Finish node type, manhole, reference F2.14A

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.14 LEG X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**197**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.14 LEG 3**
End Node **RESTBEND**
Total length **3.24 metres**

Scale **1:0.17**
Direction **Downstream**

Start Node Ref:F2.14 LEG 3 | I/L : metres | Depth: 1.0 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.14 LEG 3	8728931	Comment / 0
0.00	WL	Water level 05% height/diameter	8728933	Comment / 0
0.67	LR	Line of drain/sewer deviates right	8728935	Comment / 0
1.07	LL	Line of drain/sewer deviates left	8728937	Comment / 0
1.31	WL (S01)	Water level 20% height/diameter, Start	8728942	Comment / 0
1.60	WL (F01)	Water level 20% height/diameter, Finished	8728943	Comment / 0
3.24	OFF	Finish node type, outfall, reference RESTBEND	8728981	Comment / 0

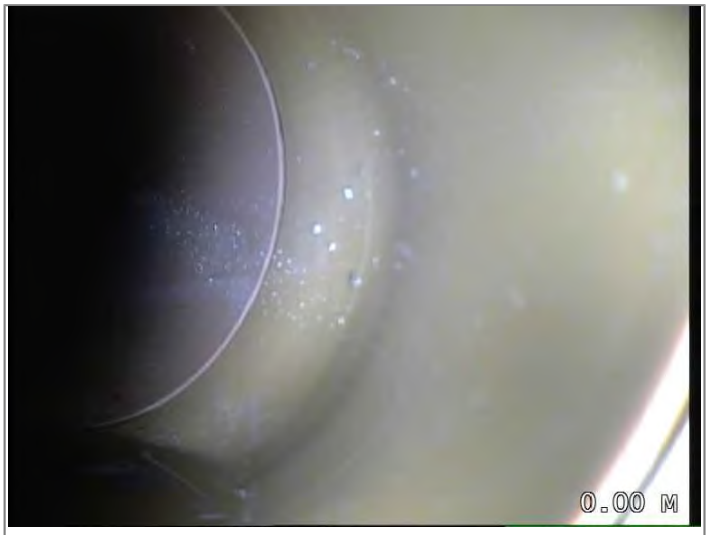
End Node Ref:RESTBEND | I/L : metres

BUXTONWATER

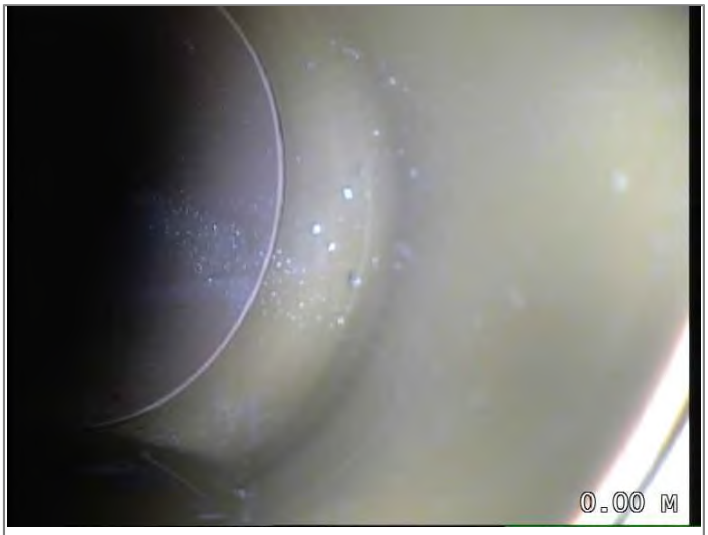
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.14 LEG 3



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates left



Water level 20% height/diameter, Start



Water level 20% height/diameter, Finished

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**198**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.14A LEG 1**
End Node **RESTBEND**
Total length **0.64 metres**

Scale **1:0.03**
Direction **Upstream**

Start Node Ref:F2.14A LEG 1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.14A LEG 1	8729024	Comment / 0
0.00	WL	Water level 05% height/diameter	8729026	Comment / 0
0.64	OFF	Finish node type, outfall, reference RESTBEND	8729028	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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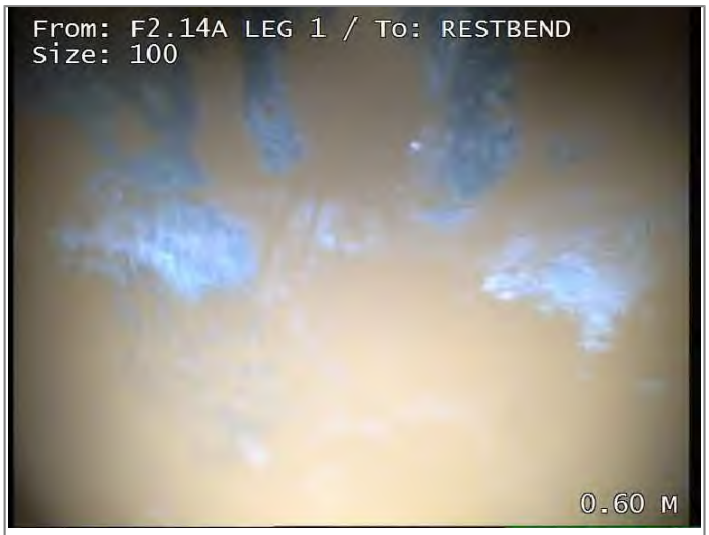
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.14A LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**199**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.14A LEG 2**
End Node **RESTBEND**
Total length **0.64 metres**

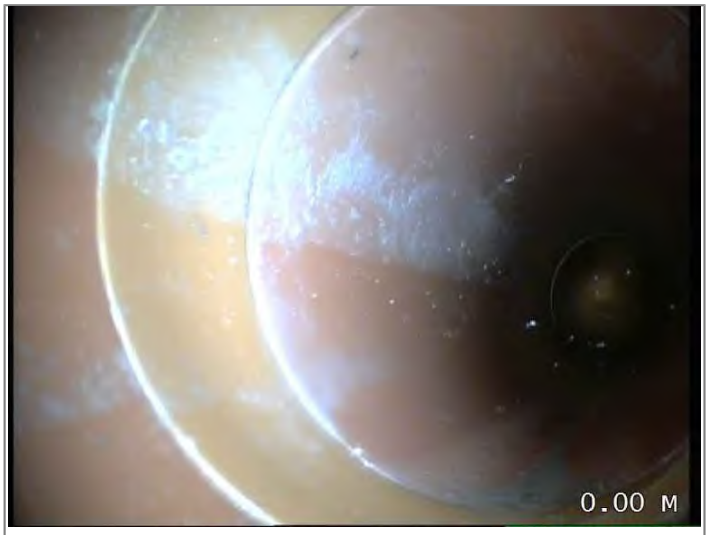
Scale **1:0.03**
Direction **Upstream**

Start Node Ref:F2.14A LEG 2 | I/L : metres

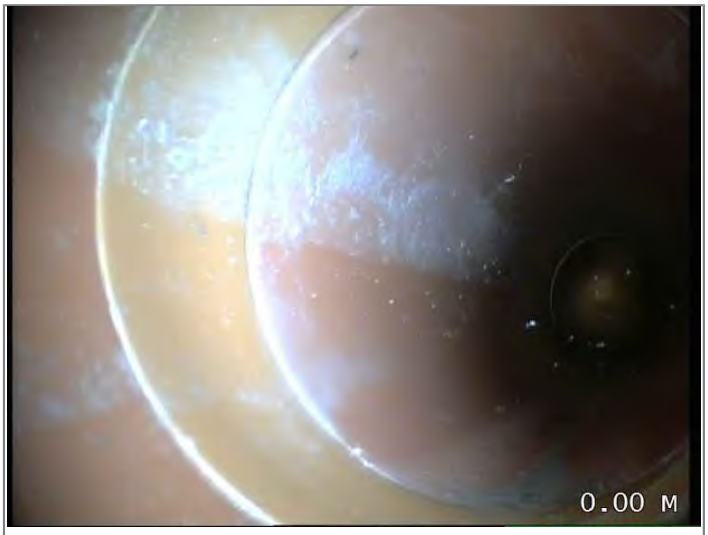
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.14A LEG 1	8729030	Comment / 0
0.00	WL	Water level 05% height/diameter	8729031	Comment / 0
0.64	OFF	Finish node type, outfall, reference RESTBEND	8729032	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.14A LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**200**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

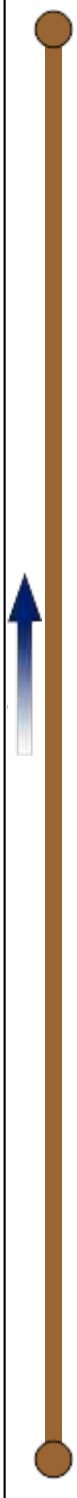
Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.14A LEG 3**
End Node **RESTBEND**
Total length **0 metres**

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

Start Node Ref:F2.14A LEG 3 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.14A LEG 3	8729033	Comment / 0
0.00	WL	Water level 05% height/diameter	8729034	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP OF DRAIN UNABLE TO SURVEY	8729035	Comment / 0



End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.14A LEG 3



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP OF DRAIN UNABLE TO SURVEY

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**201**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

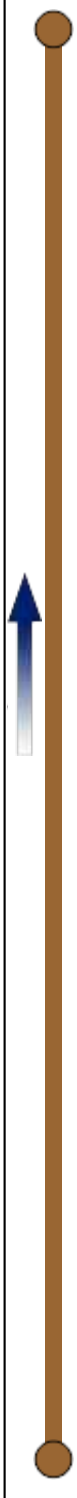
Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.12**
End Node **RESTBEND**
Total length **0 metres**

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

Start Node Ref:F2.12 | I/L : metres | Depth: 1.96 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.12	8729196	Comment / 0
0.00	WL	Water level 05% height/diameter	8729197	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP UNABLE TO SURVEY	8729213	Comment / 0

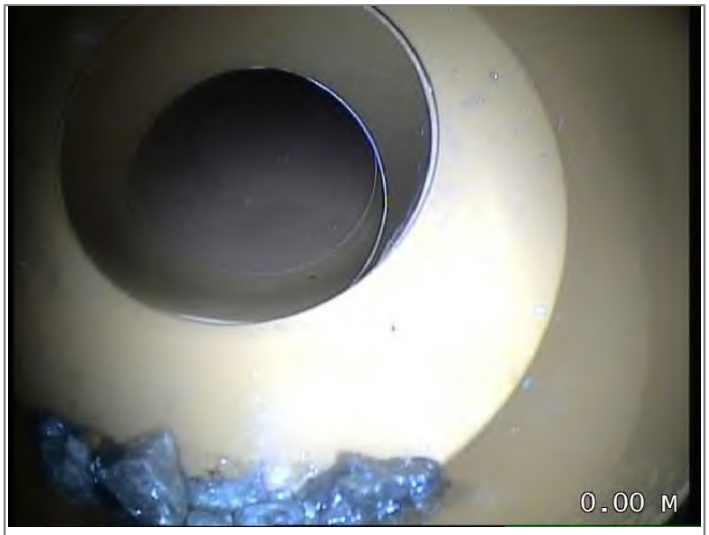


End Node Ref:RESTBEND | I/L : metres

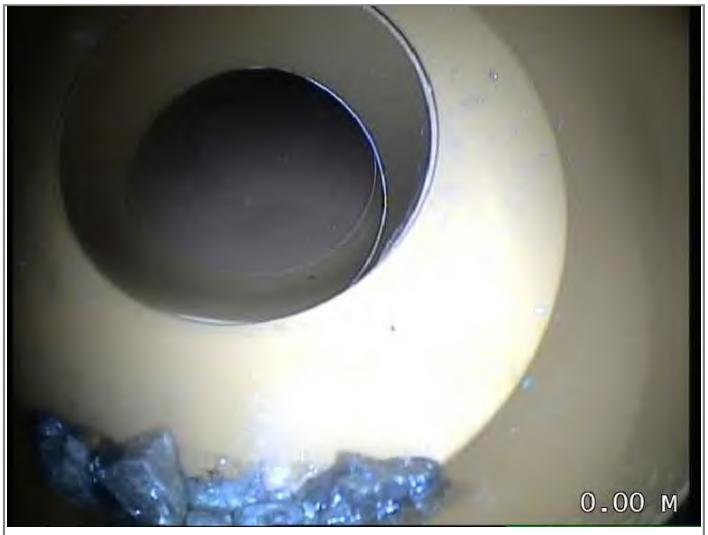
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.12



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm - Remark: REDUCER AT TOP UNABLE TO SURVEY

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**202**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.12 LEG 1**
End Node **RESTBEND**
Total length **1.83 metres**

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

Start Node Ref:F2.12 LEG 1 | I/L : metres | Depth: 1.96 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.12 LEG 1	8729214	Comment / 0
0.00	WL	Water level 05% height/diameter	8729216	Comment / 0
1.83	LR	Line of drain/sewer deviates right	8729224	Comment / 0
1.83	OFF	Finish node type, outfall, reference RESTBEND	8729225	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.12 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**203**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.12 LEG 2**
End Node **RESTBEND**
Total length **2.74 metres**

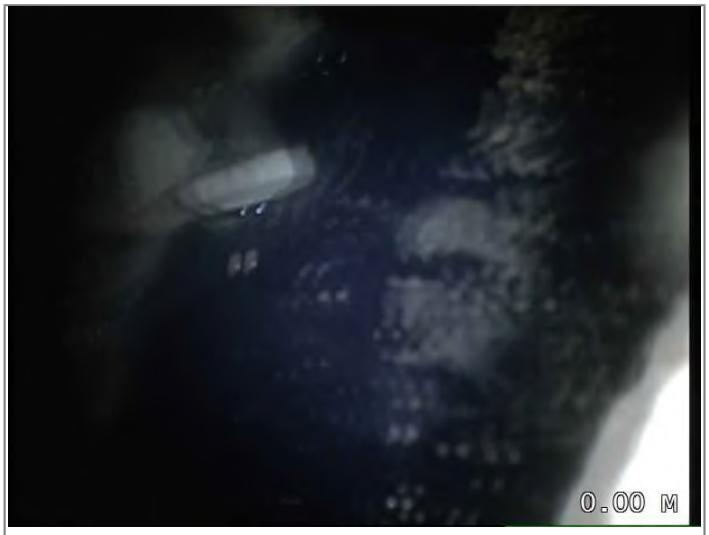
Scale **1:0.14**
Direction **Upstream**

Start Node Ref:F2.12 LEG 2 | I/L : metres | Depth: 1.96 metres

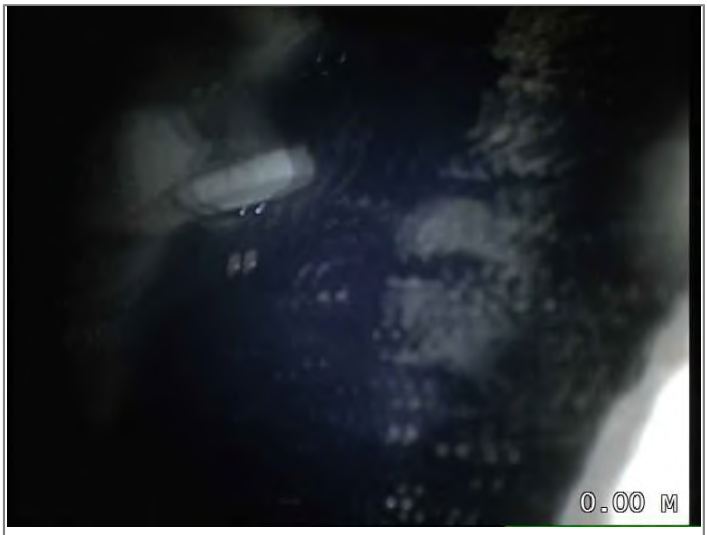
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.12 LEG 2	8729235	Comment / 0
0.00	WL	Water level 05% height/diameter	8729236	Comment / 0
2.74	OFF	Finish node type, outfall, reference RESTBEND	8729238	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.12 LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F2.12A X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**204**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.12A**
End Node **F2.12**
Total length **4.19 metres**

Scale **1:0.22**
Direction **Downstream**

Start Node Ref:F2.12A | I/L : metres | Depth: 1.76 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.12A	8729249	Comment / 0
0.00	WL	Water level 05% height/diameter	8729252	Comment / 0
4.19	MHF	Finish node type, manhole, reference F2.12	8729265	Comment / 0

End Node Ref:F2.12 | I/L : metres | Depth: 1.96 metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.12A



Water level 05% height/diameter



Finish node type, manhole, reference F2.12

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**205**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.12A**
End Node **RESTBEND**
Total length **6.86 metres**

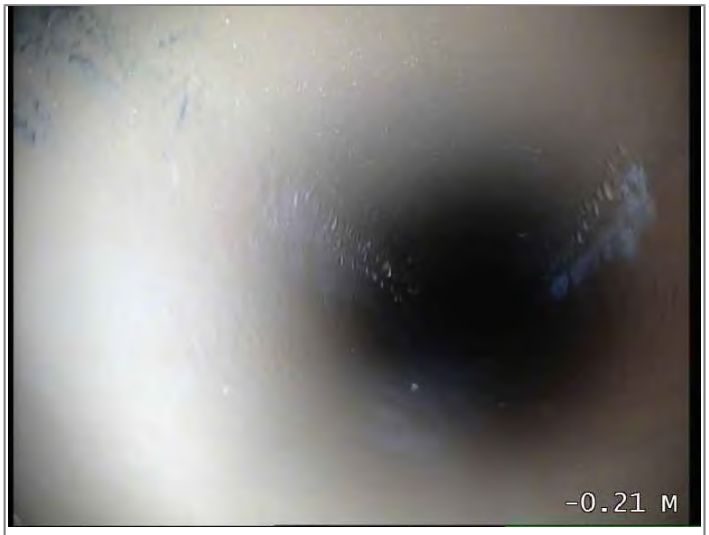
Scale **1:0.36**
Direction **Upstream**

Start Node Ref:F2.12A | I/L : metres | Depth: 1.76 metres

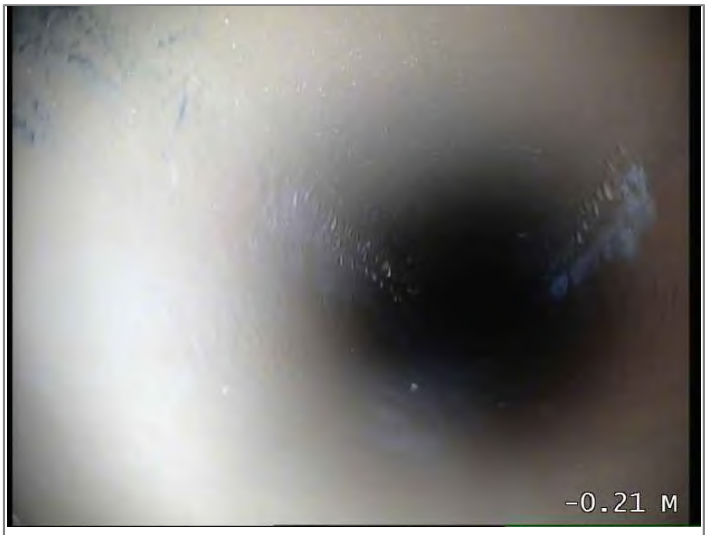
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.12A	8729269	Comment / 0
0.00	WL	Water level 05% height/diameter	8729276	Comment / 0
6.86	LR	Line of drain/sewer deviates right	8729296	Comment / 0
6.86	OFF	Finish node type, outfall, reference RESTBEND	8729299	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.12A



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

CCTV Inspection Report

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**206**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.12A LEG 1**
End Node **RESTBEND**
Total length **1.21 metres**

Scale **1:0.06**
Direction **Upstream**

Start Node Ref:F2.12A LEG 1 | I/L : metres | Depth: 1.76 metres

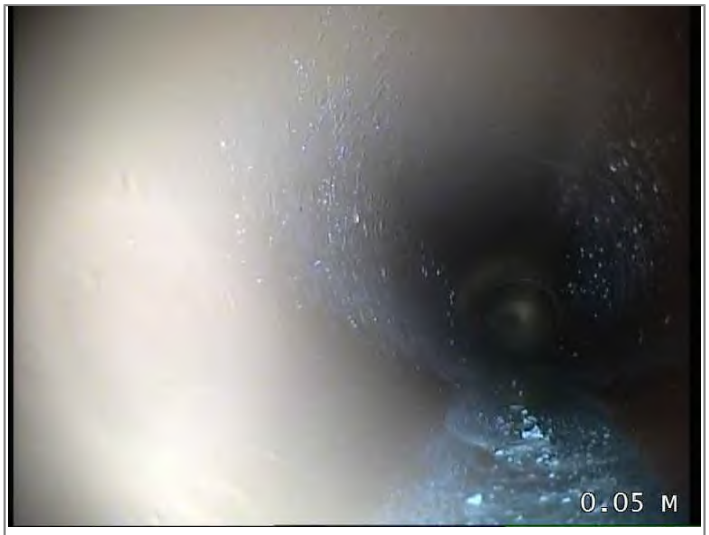
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.12A LEG 1	8729301	Comment / 0
0.00	WL	Water level 05% height/diameter	8729302	Comment / 0
1.21	OFF	Finish node type, outfall, reference RESTBEND	8729303	Comment / 0

End Node Ref:RESTBEND | I/L : metres

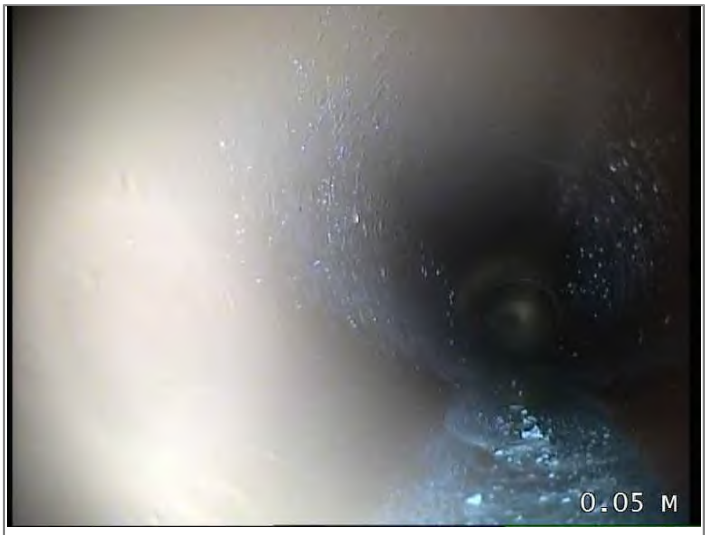
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.12A LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

CCTV Inspection Report

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**207**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.12A LEG 2**
End Node **RESTBEND**
Total length **2.55 metres**

Scale **1:0.13**
Direction **Upstream**

Start Node Ref:F2.12A LEG 2 | I/L : metres | Depth: 1.76 metres

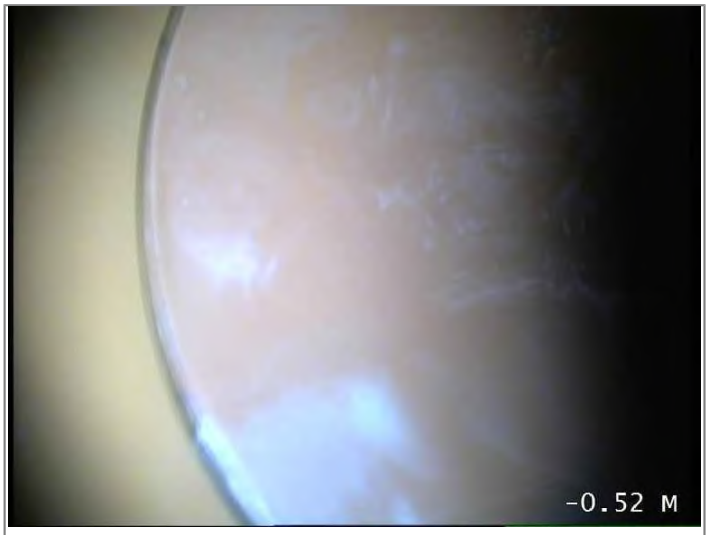
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.12A LEG 2	8729306	Comment / 0
0.00	WL	Water level 05% height/diameter	8729308	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8729309	Comment / 0
2.55	OFF	Finish node type, outfall, reference RESTBEND	8729310	Comment / 0

End Node Ref:RESTBEND | I/L : metres

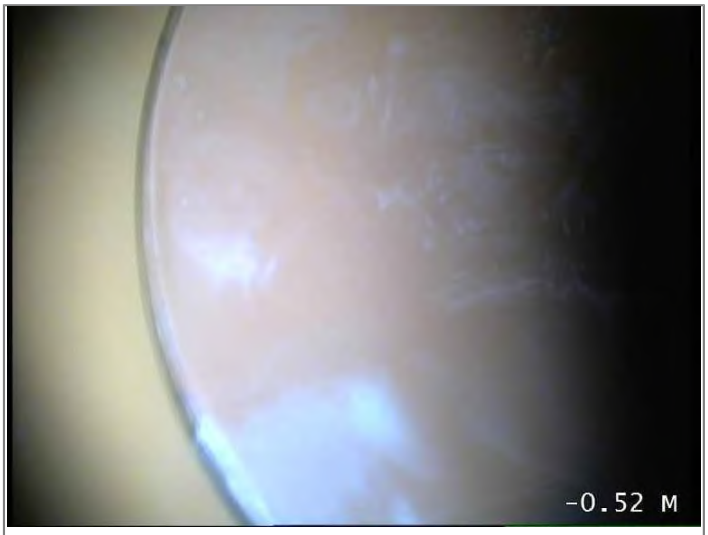
CCTV Inspection Photos

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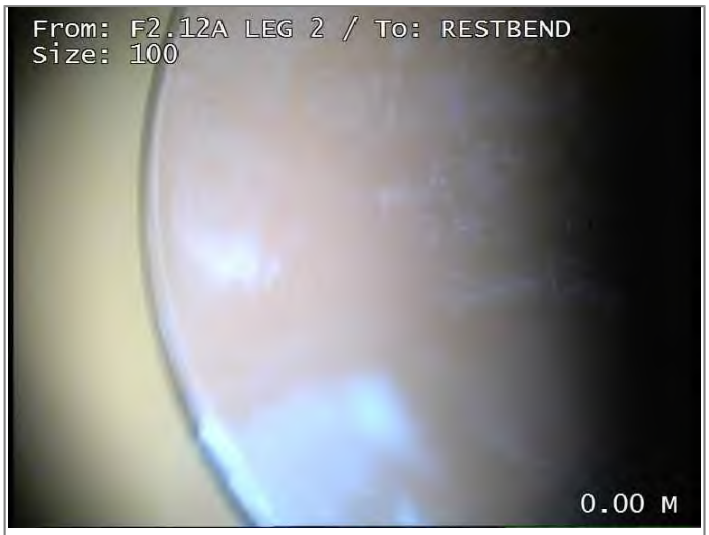
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference F2.12A LEG 2



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.27 X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**208**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.28**
End Node **S1.27**
Total length **9.69 metres**

Scale **1:0.51**
Direction **Upstream**

Start Node Ref:S1.28 | I/L : metres | Depth: 2.34 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.28	8729478	Comment / 0
0.00	WL	Water level 05% height/diameter	8729479	Comment / 0
9.69	OFF	Finish node type, outfall, reference VALVE?	8729490	Comment / 0

End Node Ref:S1.27 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference S1.28



Water level 05% height/diameter



Finish node type, outfall, reference VALVE?

CCTV Inspection Report

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RIVER X**	**27/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**209**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.28**
End Node **RIVER**
Total length **14.36 metres**

Scale **1:0.75**
Direction **Upstream**

Start Node Ref:S1.28 | I/L : metres | Depth: 2.34 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.28	8729532	Comment / 0
0.00	WL	Water level 05% height/diameter	8729533	Comment / 0



End Node Ref:RIVER | I/L : metres

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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



Start node type, manhole, reference S1.28



Water level 05% height/diameter

CCTV Inspection Report

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RIVER X**	**27/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**210**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

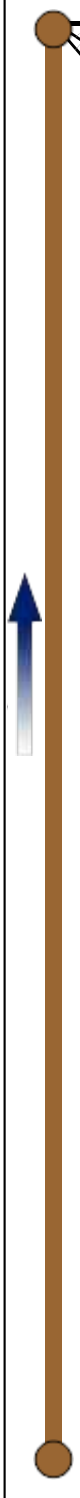
Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.28**
End Node **RIVER**
Total length **19.64 metres**

Scale **1:1.03**
Direction **Upstream**

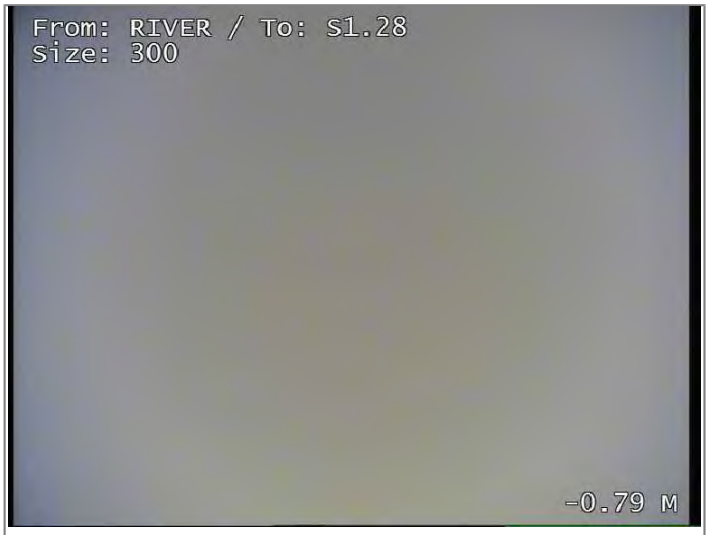
Start Node Ref:S1.28 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	REM	REVERSE SURVEY	8730982	Comment / 0
0.00	SN	Start node type: Source	8730980	Comment / 0
0.00	WL	Water level 05% height/diameter	8730981	Comment / 0



End Node Ref:RIVER | I/L : metres | Depth: 2.34 metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**27/10/2023**



REVERSE SURVEY



Start node type: Source



Water level 05% height/diameter

CCTV Inspection Report

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.14 (INAX**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**211**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

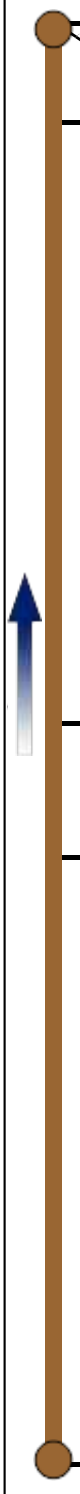
Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.15**
End Node **F1.14 (INACCESSIBLE CONCRETED IN)**
Total length **7 metres**

Scale **1:0.37**
Direction **Upstream**

Start Node Ref:F1.15 | I/L : metres | Depth: 1.52 metres



Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.15	8733071	Comment / 0
0.00	WL	Water level 05% height/diameter	8733072	Comment / 0
0.48	LL	Line of drain/sewer deviates left	8733082	Comment / 0
3.40	CN	Connection other than junction at 2 o'clock, diameter 150mm	8733083	Comment / 0
4.05	CN	Connection other than junction at 10 o'clock, diameter 150mm	8733084	Comment / 0
7.00	MHF	Finish node type, manhole, reference F1.14 (INACCESSIBLE CONCRETED IN)	8733089	Comment / 0

End Node Ref:F1.14 (INACCESSIBLE CONCRETED IN) | I/L : metres

BUXTONWATER

CCTV Inspection Photos

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1a Maple Court
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.15



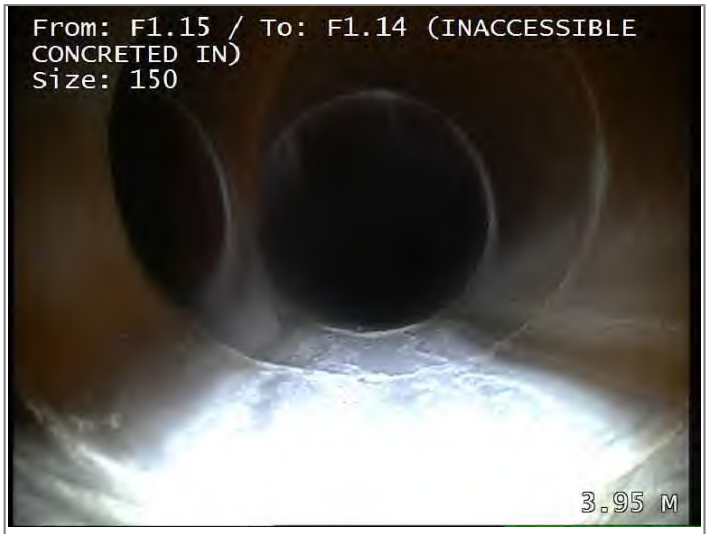
Water level 05% height/diameter



Line of drain/sewer deviates left



Connection other than junction at 2 o'clock, diameter 150mm



Connection other than junction at 10 o'clock, diameter 150mm



Finish node type, manhole, reference F1.14 (INACCESSIBLE CONCRETED IN)

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**212**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.15 LEG 1**
End Node **RESTBEND**
Total length **11.02 metres**

Scale **1:0.58**
Direction **Upstream**

Start Node Ref:F1.15 LEG 1 | I/L : metres | Depth: 1.52 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.15 LEG 1	8733093	Comment / 0
0.00	WL	Water level 05% height/diameter	8733094	Comment / 0
4.57	CN	Connection other than junction at 9 o'clock, diameter 100mm	8733101	Comment / 0
9.90	LU	Line of drain/sewer deviates up	8733103	Comment / 0
11.02	OFF	Finish node type, outfall, reference RESTBEND	8733104	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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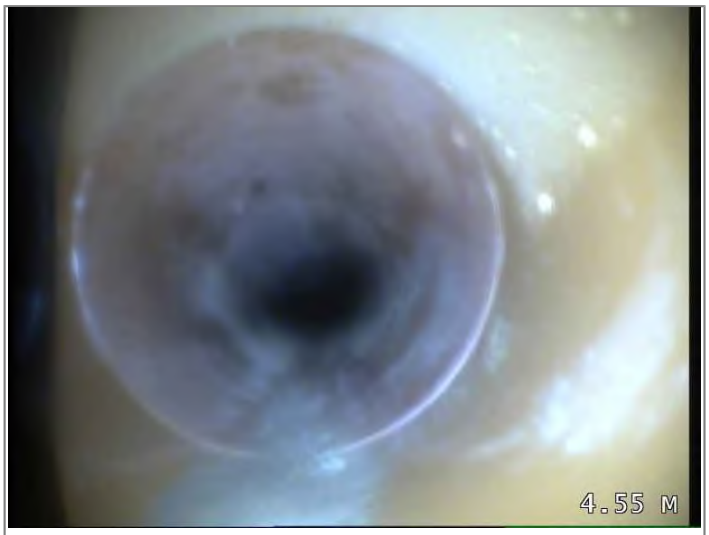
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.15 LEG 1



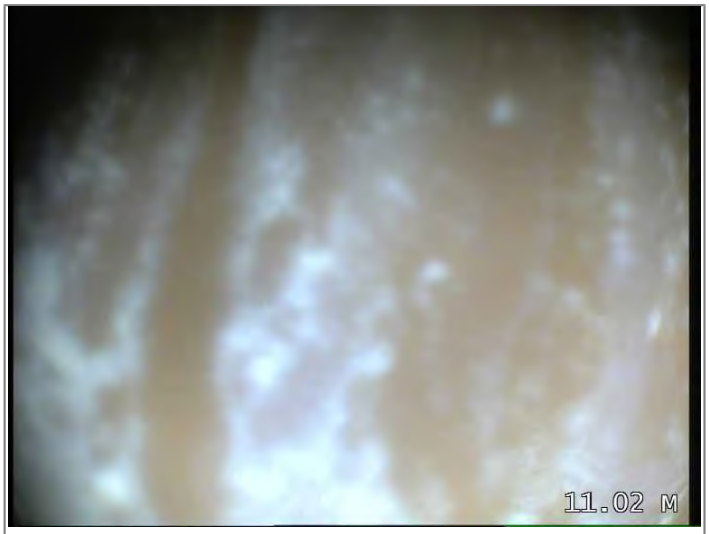
Water level 05% height/diameter



Connection other than junction at 9 o'clock, diameter 100mm



Line of drain/sewer deviates up



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**213**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.15 LEG 2**
End Node **RESTBEND**
Total length **4.67 metres**

Scale **1:0.25**
Direction **Upstream**

Start Node Ref:F1.15 LEG 2 | I/L : metres | Depth: 1.52 metres

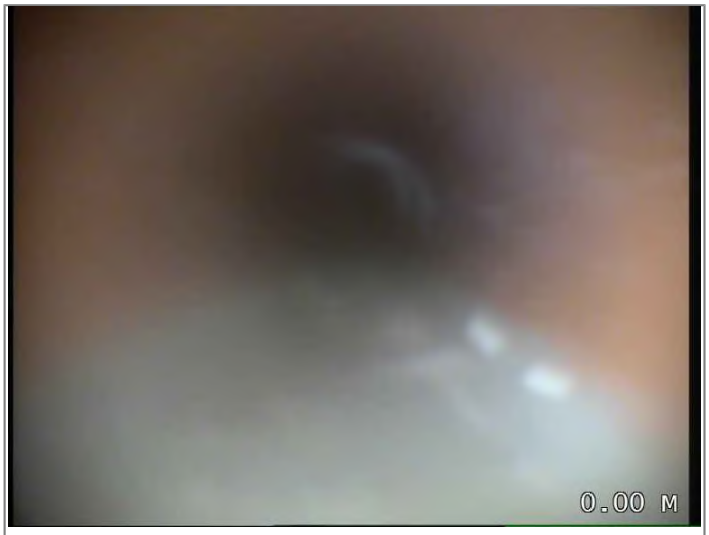
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.15 LEG 2	8733374	Comment / 0
0.00	WL	Water level 05% height/diameter	8733375	Comment / 0
0.71	LR	Line of drain/sewer deviates right	8733377	Comment / 0
4.67	OFF	Finish node type, outfall, reference RESTBEND	8733378	Comment / 0

End Node Ref:RESTBEND | I/L : metres

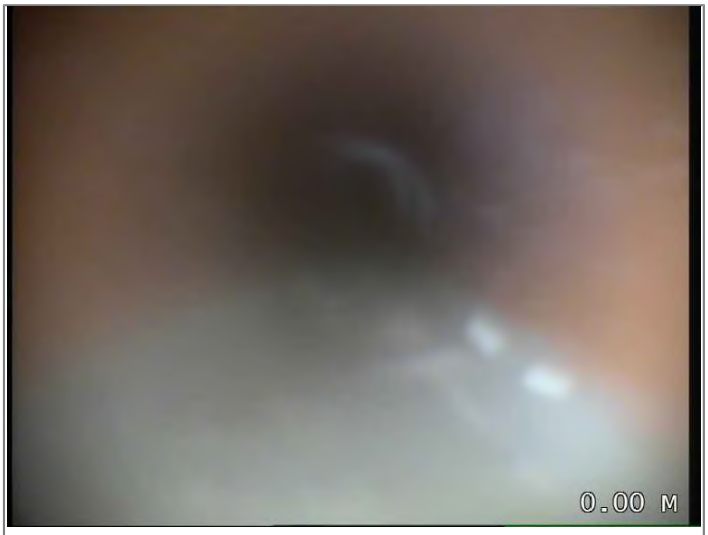
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



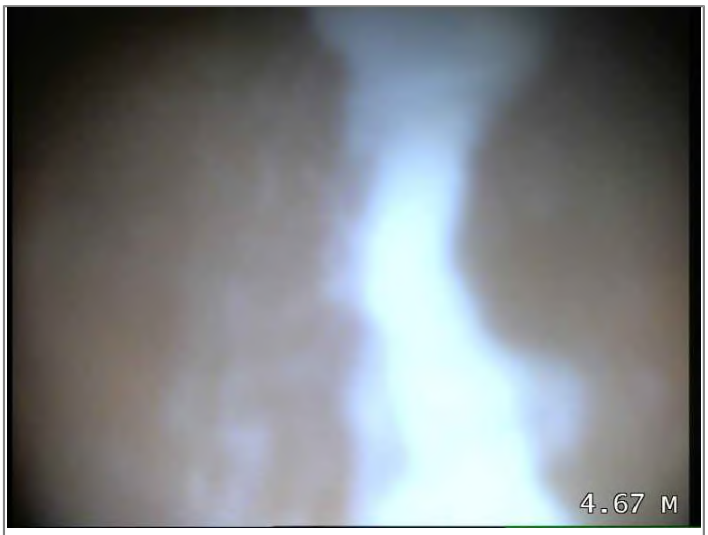
Start node type, manhole, reference F1.15 LEG 2



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**214**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.12**
End Node **RESTBEND**
Total length **6.55 metres**

Scale **1:0.34**
Direction **Upstream**

Start Node Ref:F1.12 | I/L : metres | Depth: 1.18 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.12	8733384	Comment / 0
0.00	WL	Water level 05% height/diameter	8733385	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8733386	Comment / 0
1.52	SC	Dimensions of drain/sewer changes to 100mm	8733387	Comment / 0
6.55	OFF	Finish node type, outfall, reference RESTBEND	8733388	Comment / 0

End Node Ref:RESTBEND | I/L : metres

BUXTONWATER

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.12



Water level 05% height/diameter



Line of drain/sewer deviates left



Dimensions of drain/sewer changes to 100mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**215**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.12 LEG 1**
End Node **RESTBEND**
Total length **4.95 metres**

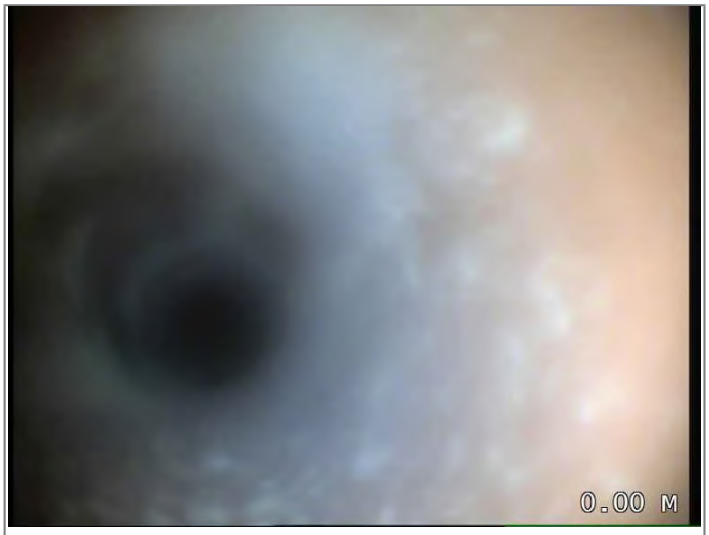
Scale **1:0.26**
Direction **Upstream**

Start Node Ref:F1.12 LEG 1 | I/L : metres | Depth: 1.18 metres

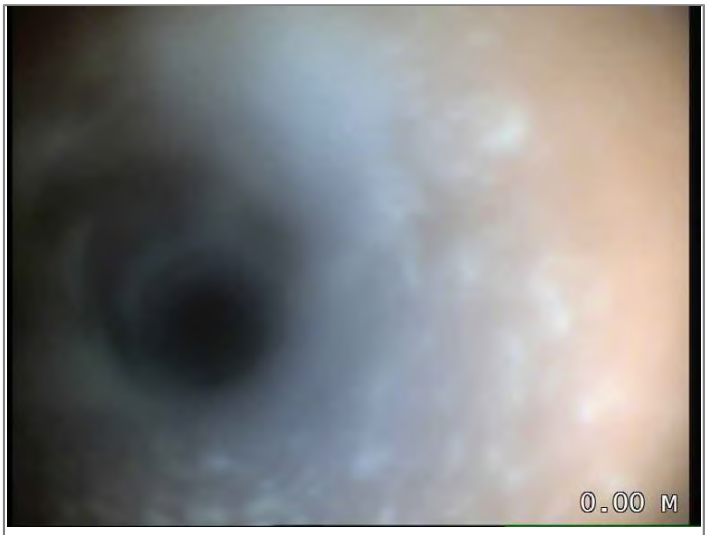
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.12 LEG 1	8733389	Comment / 0
0.00	WL	Water level 05% height/diameter	8733391	Comment / 0
2.86	LR	Line of drain/sewer deviates right	8733392	Comment / 0
4.95	OFF	Finish node type, outfall, reference RESTBEND	8733394	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.12 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**216**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.12 LEG 2**
End Node **RESTBEND**
Total length **5.98 metres**

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

Start Node Ref:F1.12 LEG 2 | I/L : metres | Depth: 1.18 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.12 LEG 2	8733395	Comment / 0
0.00	WL	Water level 05% height/diameter	8733396	Comment / 0
5.98	OFF	Finish node type, outfall, reference RESTBEND	8733397	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.12 LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**217**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.12 LEG 3**
End Node **RESTBEND**
Total length **4.07 metres**

Scale **1:0.21**
Direction **Upstream**

Start Node Ref:F1.12 LEG 3 | I/L : metres | Depth: 1.18 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.12 LEG 3	8733399	Comment / 0
0.00	WL	Water level 05% height/diameter	8733400	Comment / 0
0.60	LR	Line of drain/sewer deviates right	8733401	Comment / 0
0.60	SC	Dimensions of drain/sewer changes to 100mm	8733402	Comment / 0
3.12	LL	Line of drain/sewer deviates left	8733403	Comment / 0
4.07	OFF	Finish node type, outfall, reference RESTBEND	8733404	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.12 LEG 3



Water level 05% height/diameter



Line of drain/sewer deviates right



Dimensions of drain/sewer changes to 100mm



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

CCTV Inspection Report

Buxton Water Limited
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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**Not Cleaned**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**218**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

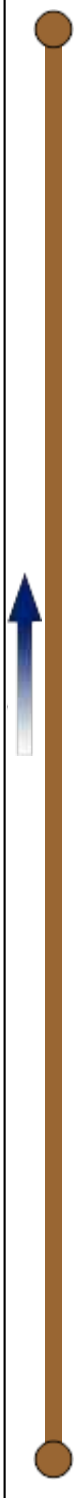
Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.12 LEG 4**
End Node **RESTBEND**
Total length **0 metres**

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

Start Node Ref:F1.12 LEG 4 | I/L : metres | Depth: 1.18 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.12 LEG 4	8733451	Comment / 0
0.00	WL	Water level 05% height/diameter	8733468	Comment / 0



End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.12 LEG 4



Water level 05% height/diameter

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**219**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.12 LEG 4**
End Node **RESTBEND**
Total length **4.1 metres**

Scale **1:0.22**
Direction **Upstream**

Start Node Ref:F1.12 LEG 4 | I/L : metres | Depth: 1.18 metres

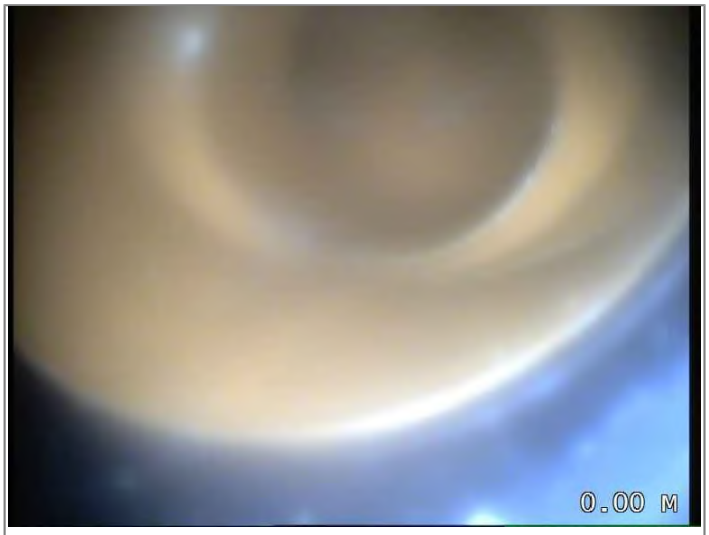
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.12 LEG 4	8733488	Comment / 0
0.00	WL	Water level 05% height/diameter	8733489	Comment / 0
0.26	SC	Dimensions of drain/sewer changes to 100mm	8733490	Comment / 0
3.76	LR	Line of drain/sewer deviates right	8733495	Comment / 0
4.10	OFF	Finish node type, outfall, reference RESTBEND	8733496	Comment / 0

End Node Ref:RESTBEND | I/L : metres

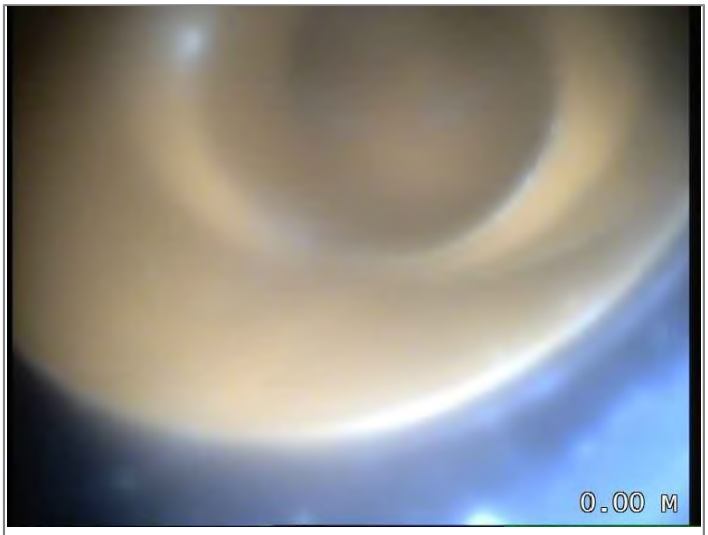
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.12 LEG 4



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**5/0**	**BGBF9QDTDU**	**220**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.10**
End Node **RESTBEND**
Total length **0.05 metres**

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

Start Node Ref:F1.10 | I/L : metres | Depth: 0.93 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.10	8733593	Comment / 0
0.00	WL	Water level 05% height/diameter	8733595	Comment / 0
0.05	DEC	Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE	8733622	Service / 5

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.10



Water level 05% height/diameter



Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**221**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.10 LEG 1**
End Node **RESTBEND**
Total length **4.36 metres**

Scale **1:0.23**
Direction **Upstream**

Start Node Ref:F1.10 LEG 1 | I/L : metres | Depth: 0.93 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.10 LEG 1	8733625	Comment / 0
0.00	WL	Water level 05% height/diameter	8733626	Comment / 0
0.50	LL	Line of drain/sewer deviates left	8733627	Comment / 0
4.36	OFF	Finish node type, outfall, reference RESTBEND	8733628	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.10 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**222**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.10 LEG 2**
End Node **RESTBEND**
Total length **4.12 metres**

Scale **1:0.22**
Direction **Upstream**

Start Node Ref:F1.10 LEG 2 | I/L : metres | Depth: 0.93 metres

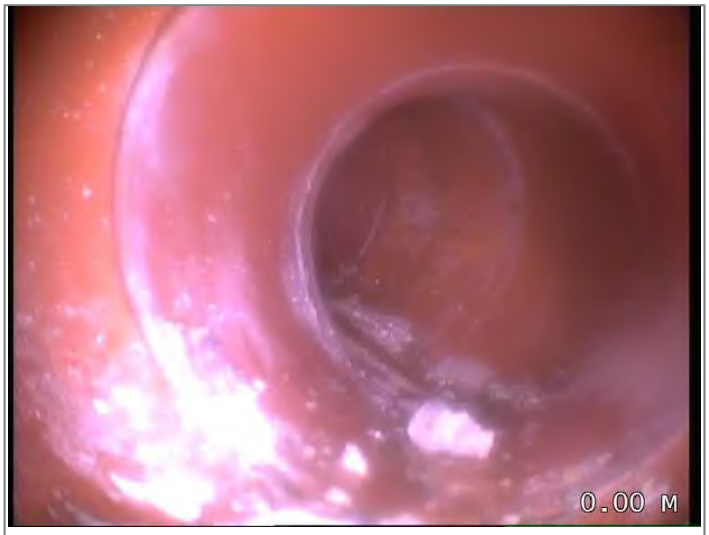
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.10 LEG 2	8733629	Comment / 0
0.00	WL	Water level 05% height/diameter	8733630	Comment / 0
0.38	SC	Dimensions of drain/sewer changes to 100mm	8733631	Comment / 0
0.38	LL	Line of drain/sewer deviates left	8733632	Comment / 0
4.12	OFF	Finish node type, outfall, reference RESTBEND	8733633	Comment / 0

End Node Ref:RESTBEND | I/L : metres

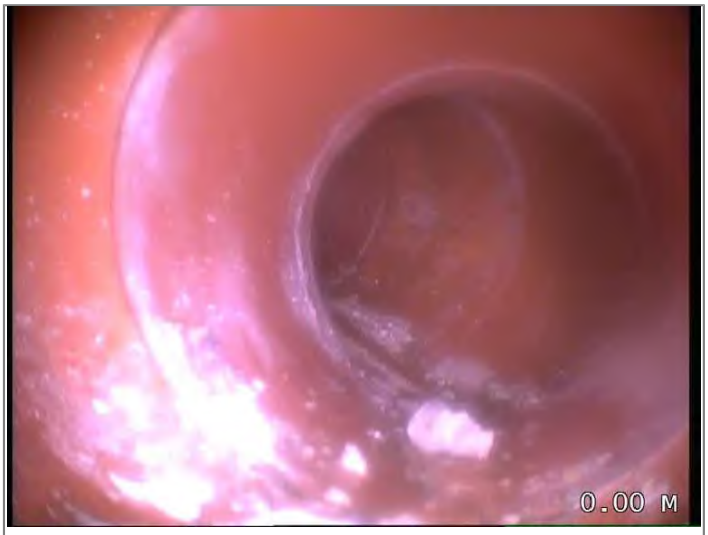
Buxton Water Limited
1a Maple Court
Maple View
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Skelmersdale
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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.10 LEG 2



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.10 X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**4/0**	**BGBF9QDTDU**	**223**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.10**
End Node **F1.11**
Total length **3.1 metres**

Scale **1:0.16**
Direction **Downstream**

Start Node Ref:F1.10 | I/L : metres | Depth: 0.93 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.10	8733637	Comment / 0
0.00	WL	Water level 05% height/diameter	8733638	Comment / 0
0.57	LD	Line of drain/sewer deviates down	8733645	Comment / 0
1.83	DEC (S01)	Settled deposits hard or compacted 25% cross-sectional area loss - Remark: CONCRETE , Start	8733668	Service / 4
3.10	MHF	Finish node type, manhole, reference F1.11	8733669	Comment / 0

End Node Ref:F1.11 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.10



Water level 05% height/diameter



Line of drain/sewer deviates down



Settled deposits hard or compacted 25% cross-sectional area loss - Remark: CONCRETE , Start



Finish node type, manhole, reference F1.11

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**5/0**	**BGBF9QDTDU**	**224**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.10 LEG 3**
End Node **RESTBEND**
Total length **0.1 metres**

Scale **1:0.01**
Direction **Upstream**

Start Node Ref:F1.10 LEG 3 | I/L : metres | Depth: 0.93 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.10 LEG 3	8733670	Comment / 0
0.00	WL	Water level 05% height/diameter	8733671	Comment / 0
0.10	DEC	Settled deposits hard or compacted 90% cross-sectional area loss	8733672	Service / 5

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.10 LEG 3



Water level 05% height/diameter



Settled deposits hard or compacted 90% cross-sectional area loss

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**5/0**	**BGBF9QDTDU**	**225**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.10 LEG 4**
End Node **RESTBEND**
Total length **0.02 metres**

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

Start Node Ref:F1.10 LEG 4 | I/L : metres | Depth: 0.93 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.10 LEG 4	8733673	Comment / 0
0.00	WL	Water level 05% height/diameter	8733674	Comment / 0
0.02	DEC	Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE	8733675	Service / 5

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.10 LEG 4



Water level 05% height/diameter



Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.9 X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**5/0**	**BGBF9QDTDU**	**226**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

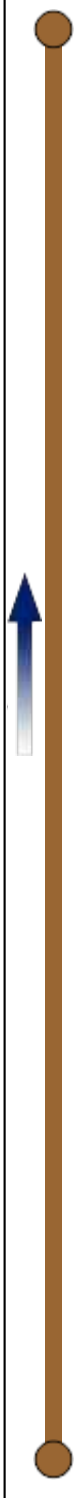
Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.11**
End Node **F1.9**
Total length **0 metres**

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

Start Node Ref:F1.11 | I/L : metres | Depth: 1.33 metres

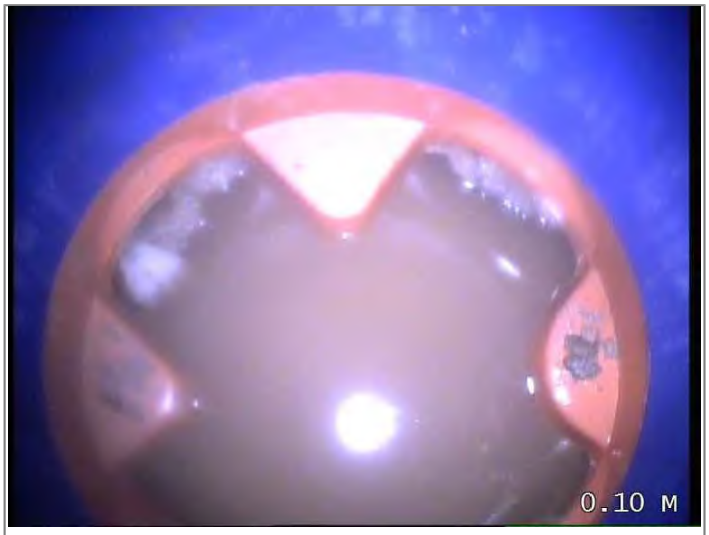
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.11	8733701	Comment / 0
0.00	WL	Water level 05% height/diameter	8733702	Comment / 0
0.00	DEC	Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE	8733707	Service / 5



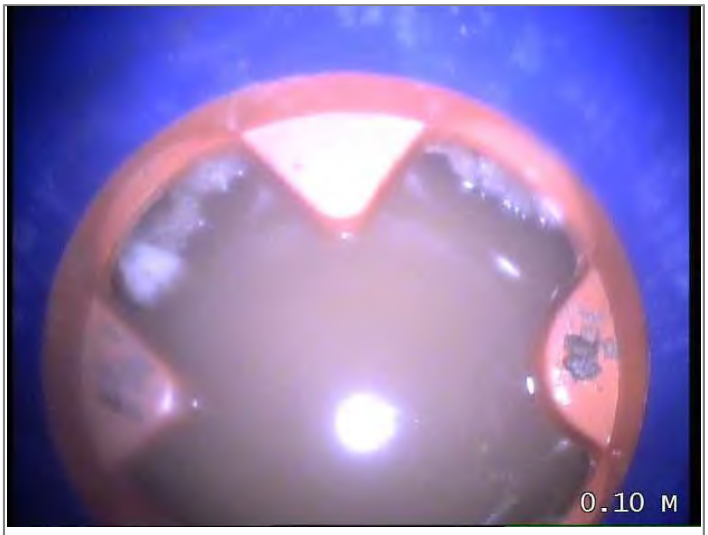
End Node Ref:F1.9 | I/L : metres

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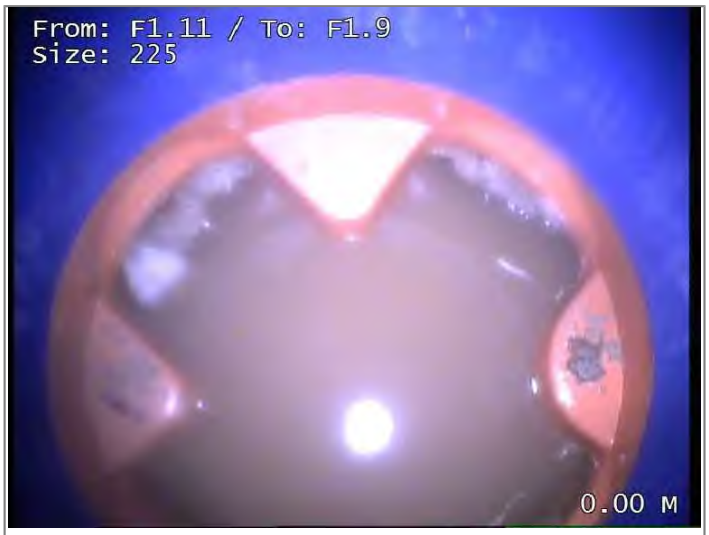
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.11



Water level 05% height/diameter



Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.11 X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**5/0**	**BGBF9QDTDU**	**227**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

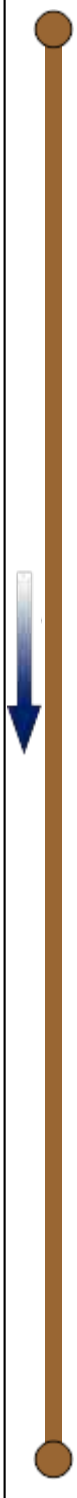
Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.11**
End Node **F1.13**
Total length **0 metres**

Scale **1:0.00**
Direction **Downstream**

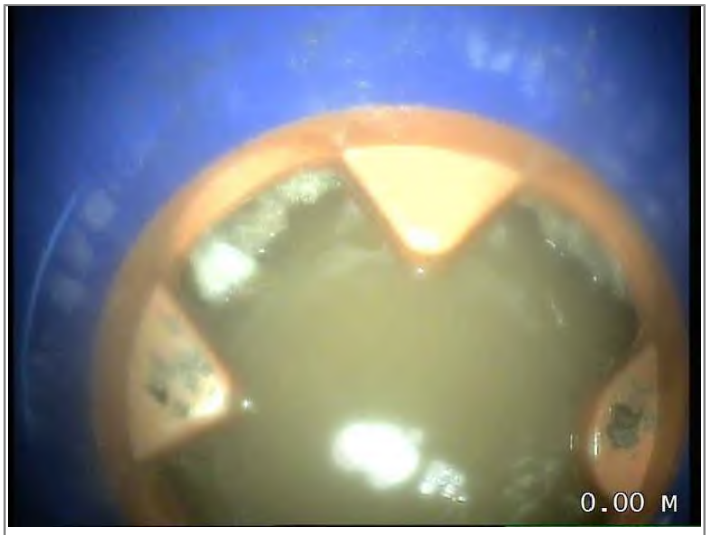
Start Node Ref:F1.11 | I/L : metres | Depth: 1.33 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.11	8733717	Comment / 0
0.00	WL	Water level 05% height/diameter	8733718	Comment / 0
0.00	DEC	Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE	8733719	Service / 5

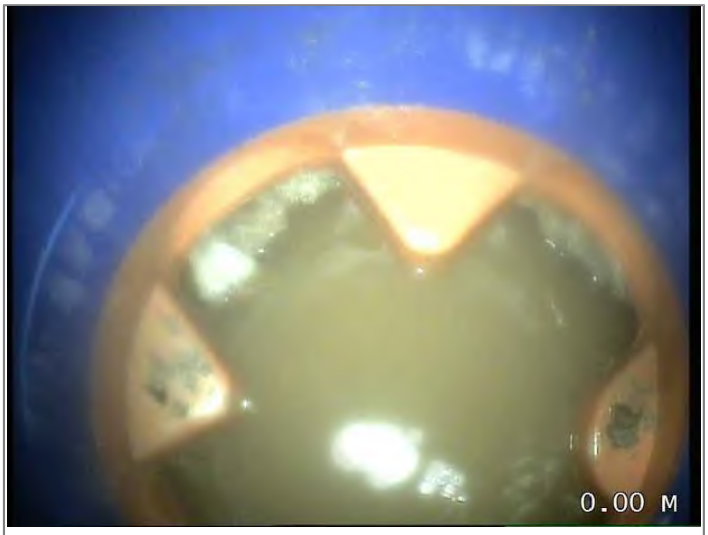


End Node Ref:F1.13 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.11



Water level 05% height/diameter



Settled deposits hard or compacted 100% cross-sectional area loss - Remark: CONCRETE

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**228**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.27**
End Node **RESTBEND**
Total length **0.48 metres**

Scale **1:0.03**
Direction **Upstream**

Start Node Ref:F1.27 | I/L : metres | Depth: 0.85 metres

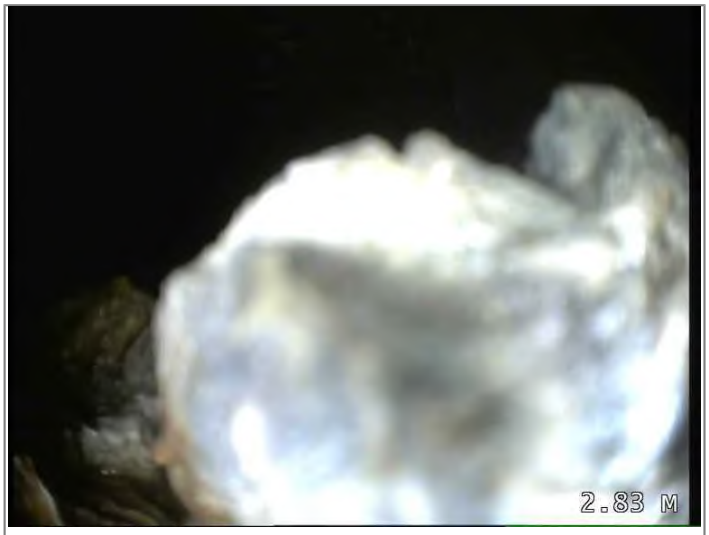
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.27	8734281	Comment / 0
0.00	WL	Water level 05% height/diameter	8734282	Comment / 0
0.48	OFF	Finish node type, outfall, reference RESTBEND	8734283	Comment / 0

End Node Ref:RESTBEND | I/L : metres

CCTV Inspection Photos

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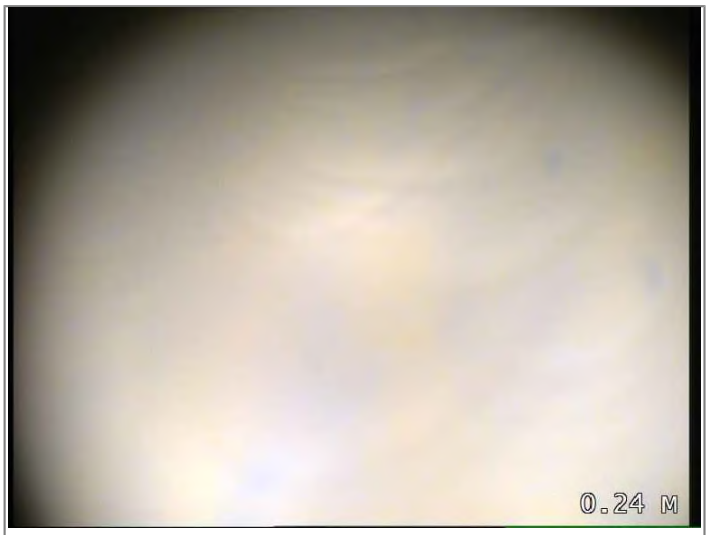
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.27



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**229**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.27 LEG 1**
End Node **RESTBEND**
Total length **5.26 metres**

Scale **1:0.28**
Direction **Upstream**

Start Node Ref:F1.27 LEG 1 | I/L : metres | Depth: 0.85 metres

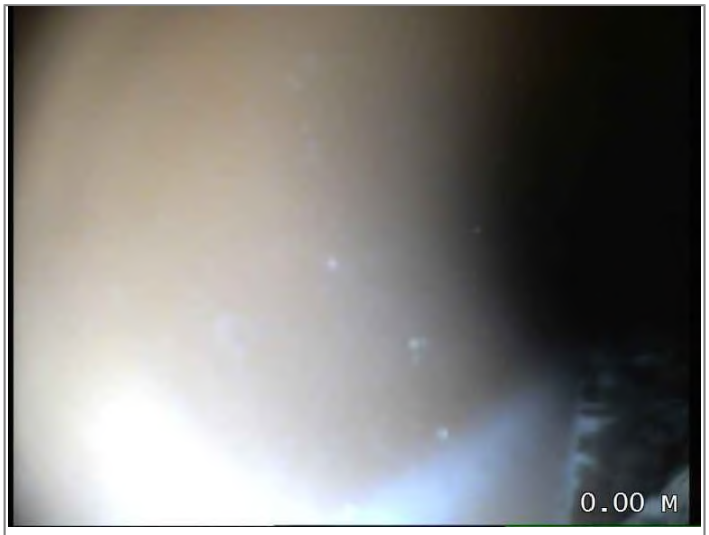
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.27 LEG 1	8734293	Comment / 0
0.00	WL	Water level 05% height/diameter	8734294	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8734295	Comment / 0
5.26	OFF	Finish node type, outfall, reference RESTBEND	8734308	Comment / 0

End Node Ref:RESTBEND | I/L : metres

CCTV Inspection Photos

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.27 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.27 X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**230**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.27**
End Node **F1.25**
Total length **8.36 metres**

Scale **1:0.44**
Direction **Downstream**

Start Node Ref:F1.27 | I/L : metres | Depth: 0.85 metres

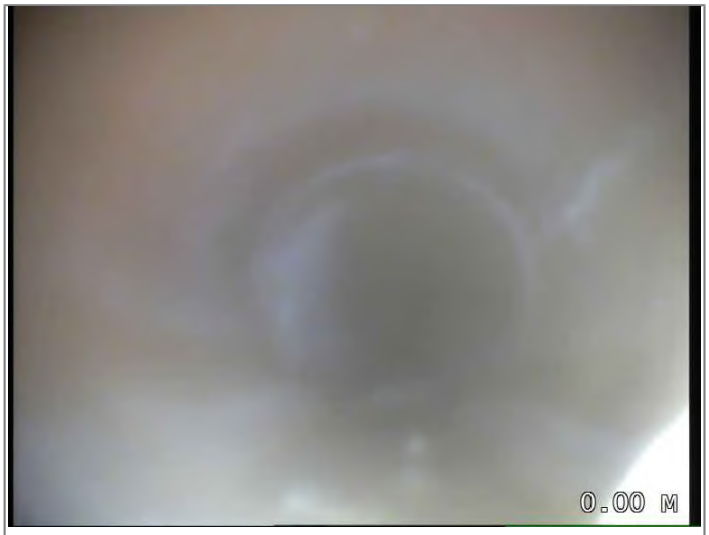
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.27	8734309	Comment / 0
0.00	WL	Water level 05% height/diameter	8734310	Comment / 0
8.12	LR	Line of drain/sewer deviates right	8734311	Comment / 0
8.36	MHF	Finish node type, manhole, reference F1.25	8734314	Comment / 0

End Node Ref:F1.25 | I/L : metres

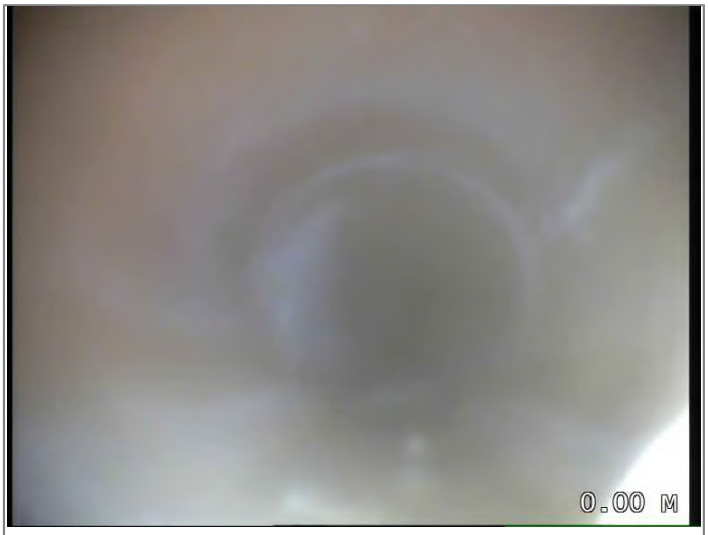
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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.27



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference F1.25

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**231**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.25 LEG 1**
End Node **RESTBEND**
Total length **6.12 metres**

Scale **1:0.32**
Direction **Upstream**

Start Node Ref:F1.25 LEG 1 | I/L : metres | Depth: 0.97 metres

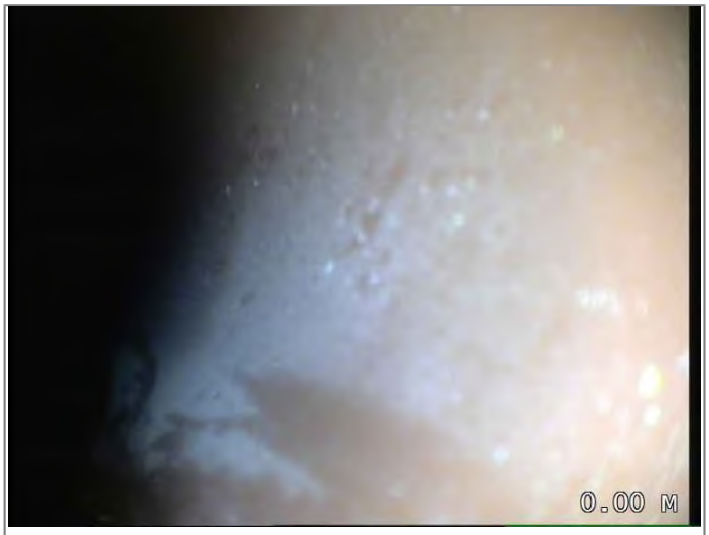
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.25 LEG 1	8734342	Comment / 0
0.00	WL	Water level 05% height/diameter	8734343	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8734344	Comment / 0
6.12	OFF	Finish node type, outfall, reference RESTBEND	8734348	Comment / 0

End Node Ref:RESTBEND | I/L : metres

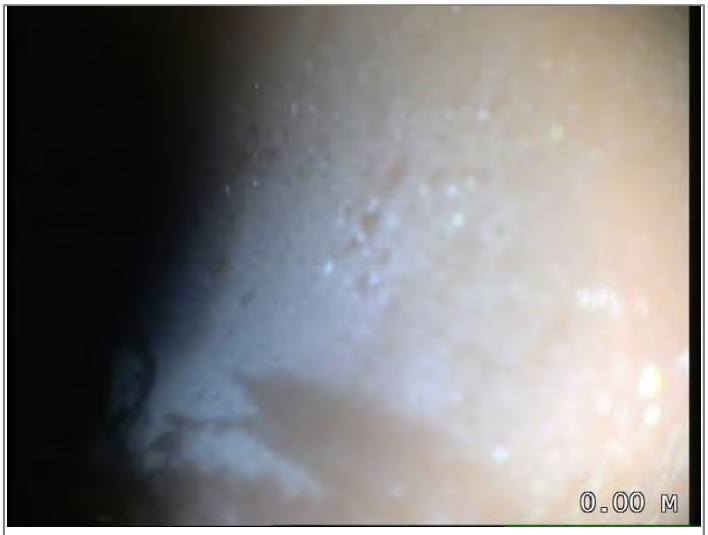
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CCTV Inspection Photos

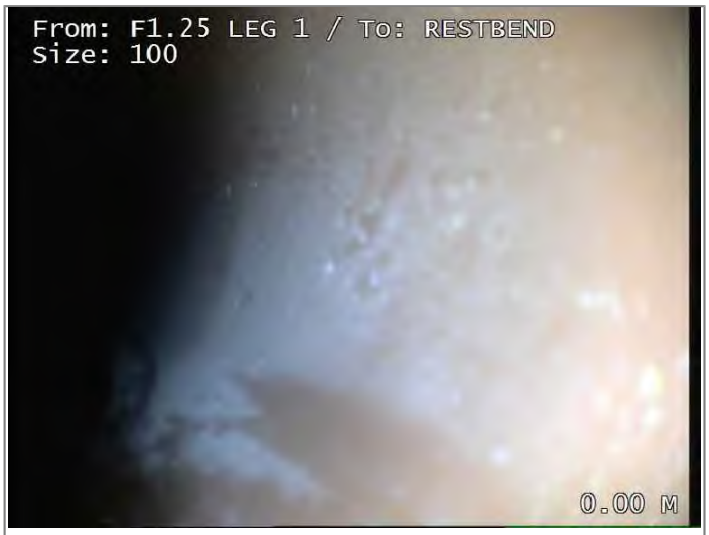
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



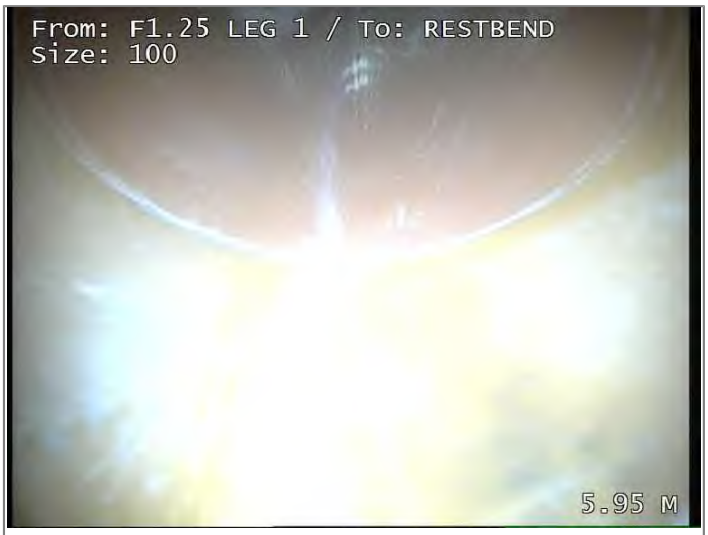
Start node type, manhole, reference F1.25 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**232**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.25 LEG 2**
End Node **RESTBEND**
Total length **5.79 metres**

Scale **1:0.30**
Direction **Upstream**

Start Node Ref:F1.25 LEG 2 | I/L : metres | Depth: 0.97 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.25 LEG 2	8734351	Comment / 0
0.00	WL	Water level 05% height/diameter	8734352	Comment / 0
4.76	CN	Connection other than junction at 3 o'clock, diameter 150mm	8734358	Comment / 0
5.79	OFF	Finish node type, outfall, reference RESTBEND	8734359	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.25 LEG 2



Water level 05% height/diameter



Connection other than junction at 3 o'clock, diameter 150mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**233**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.5**
End Node **RESTBEND**
Total length **2.36 metres**

Scale **1:0.12**
Direction **Upstream**

Start Node Ref:F1.5 | I/L : metres | Depth: 1.28 metres

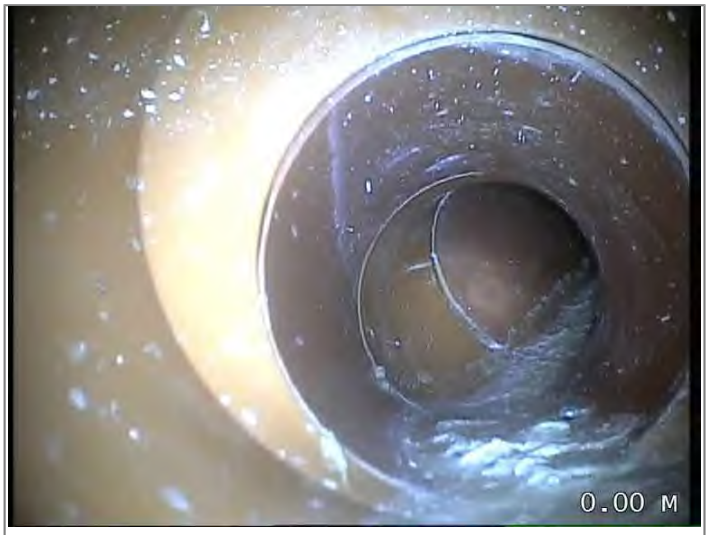
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.5	8734396	Comment / 0
0.00	WL	Water level 05% height/diameter	8734397	Comment / 0
0.21	SC	Dimensions of drain/sewer changes to 100mm	8734398	Comment / 0
0.67	LR	Line of drain/sewer deviates right	8734400	Comment / 0
2.36	OFF	Finish node type, outfall, reference RESTBEND	8734401	Comment / 0

End Node Ref:RESTBEND | I/L : metres

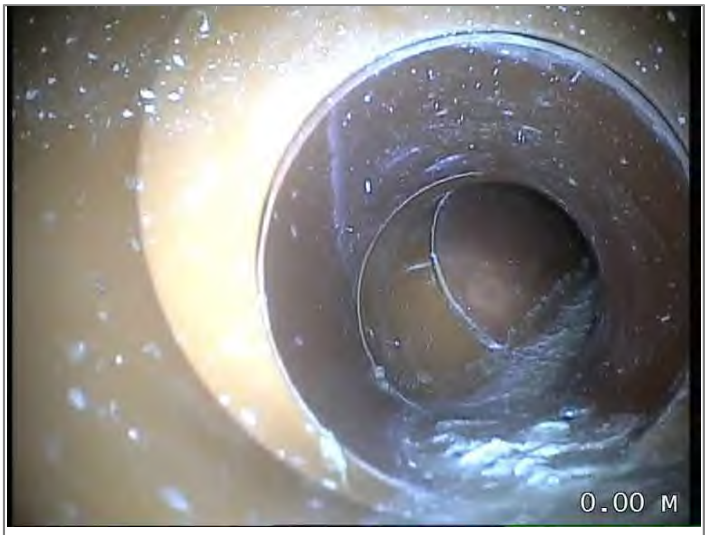
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.5



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**234**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.5 LEG 1**
End Node **RESTBEND**
Total length **1.79 metres**

Scale **1:0.09**
Direction **Upstream**

Start Node Ref:F1.5 LEG 1 | I/L : metres | Depth: 1.28 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.5 LEG 1	8734402	Comment / 0
0.00	WL	Water level 05% height/diameter	8734403	Comment / 0
1.79	OFF	Finish node type, outfall, reference RESTBEND	8734406	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.5 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.7 X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**235**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.7**
End Node **CARRIER F1.8 - F1.11**
Total length **0.6 metres**

Scale **1:0.03**
Direction **Downstream**

Start Node Ref:F1.7 | I/L : metres | Depth: 1.27 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.7	8734520	Comment / 0
0.00	WL	Water level 05% height/diameter	8734521	Comment / 0
0.45	LL	Line of drain/sewer deviates left	8734531	Comment / 0
0.60	LL	Line of drain/sewer deviates left - Remark: CARRIER	8734533	Comment / 0
0.60	BRF	Finish node type, major connection without manhole, reference CARRIER F1.8 - F1.11	8734535	Comment / 0

End Node Ref:CARRIER F1.8 - F1.11 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.7



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates left - Remark: CARRIER



Finish node type, major connection without manhole, reference CARRIER F1.8 - F1.11

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**236**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.7**
End Node **RESTBEND**
Total length **3.07 metres**

Scale **1:0.16**
Direction **Upstream**

Start Node Ref:F1.7 | I/L : metres | Depth: 1.27 metres

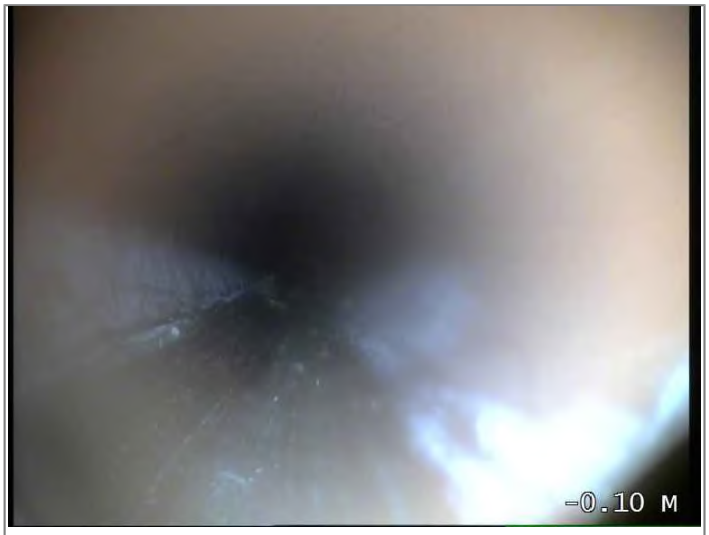
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.7	8734683	Comment / 0
0.00	WL	Water level 05% height/diameter	8734685	Comment / 0
0.00	SC	Dimensions of drain/sewer changes to 100mm	8734699	Comment / 0
1.50	LR	Line of drain/sewer deviates right	8734700	Comment / 0
3.07	OFF	Finish node type, outfall, reference RESTBEND	8734702	Comment / 0

End Node Ref:RESTBEND | I/L : metres

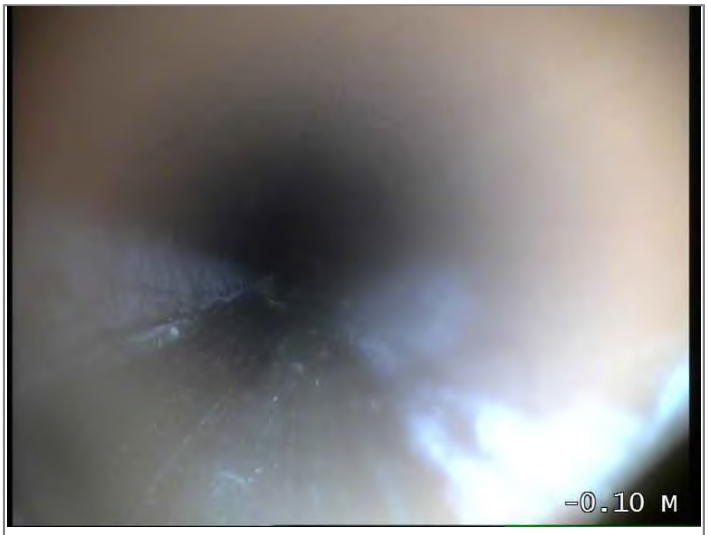
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.7



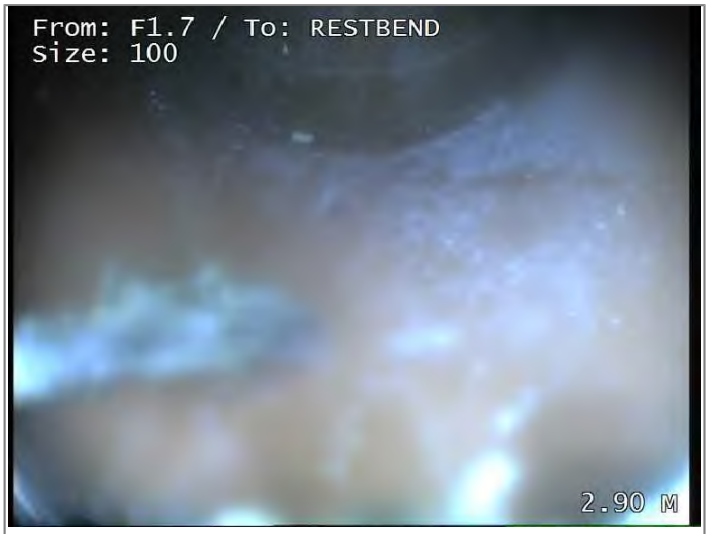
Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**237**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.7 LEG 1**
End Node **RESTBEND**
Total length **3.02 metres**

Scale **1:0.16**
Direction **Upstream**

Start Node Ref:F1.7 LEG 1 | I/L : metres | Depth: 1.27 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.7 LEG 1	8734710	Comment / 0
0.00	WL	Water level 05% height/diameter	8734711	Comment / 0
2.40	LR	Line of drain/sewer deviates right	8734712	Comment / 0
3.02	OFF	Finish node type, outfall, reference RESTBEND	8734714	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.7 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**238**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.7 LEG 2**
End Node **RESTBEND**
Total length **4.98 metres**

Scale **1:0.26**
Direction **Upstream**

Start Node Ref:F1.7 LEG 2 | I/L : metres | Depth: 1.27 metres

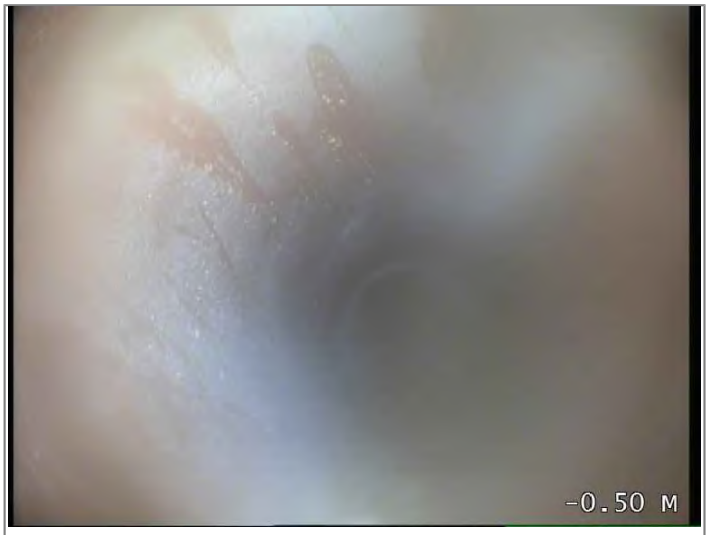
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.7 LEG 2	8734716	Comment / 0
0.00	WL	Water level 05% height/diameter	8734717	Comment / 0
4.98	OFF	Finish node type, outfall, reference RESTBEND	8734718	Comment / 0

End Node Ref:RESTBEND | I/L : metres

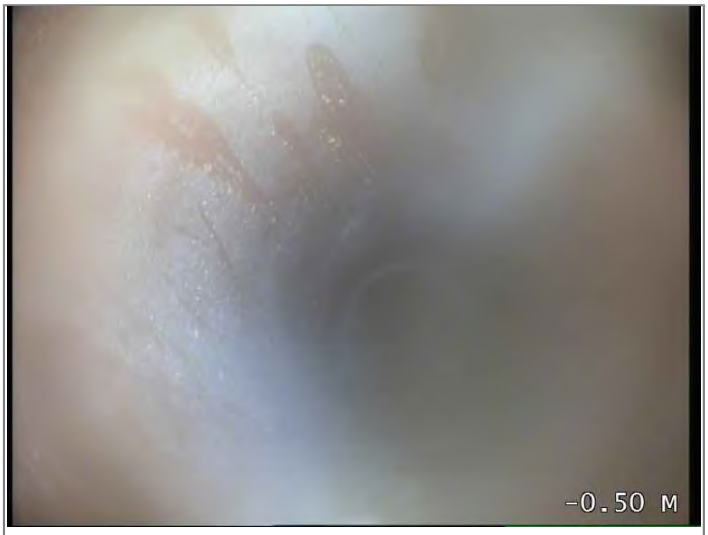
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.7 LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**239**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.24 LEG 1**
End Node **RESTBEND**
Total length **0.55 metres**

Scale **1:0.03**
Direction **Upstream**

Start Node Ref:F1.24 LEG 1 | I/L : metres | Depth: 1.5 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.24 LEG 1	8734719	Comment / 0
0.00	WL	Water level 05% height/diameter	8734721	Comment / 0
0.55	OFF	Finish node type, outfall, reference RESTBEND	8734723	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.24 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**240**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.24 LEG 2**
End Node **RESTBEND**
Total length **1.4 metres**

Scale **1:0.07**
Direction **Upstream**

Start Node Ref:F1.24 LEG 2 | I/L : metres | Depth: 1.5 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.24 LEG 2	8734725	Comment / 0
0.00	WL	Water level 05% height/diameter	8734727	Comment / 0
0.12	LR	Line of drain/sewer deviates right	8734728	Comment / 0
1.40	OFF	Finish node type, outfall, reference RESTBEND	8734729	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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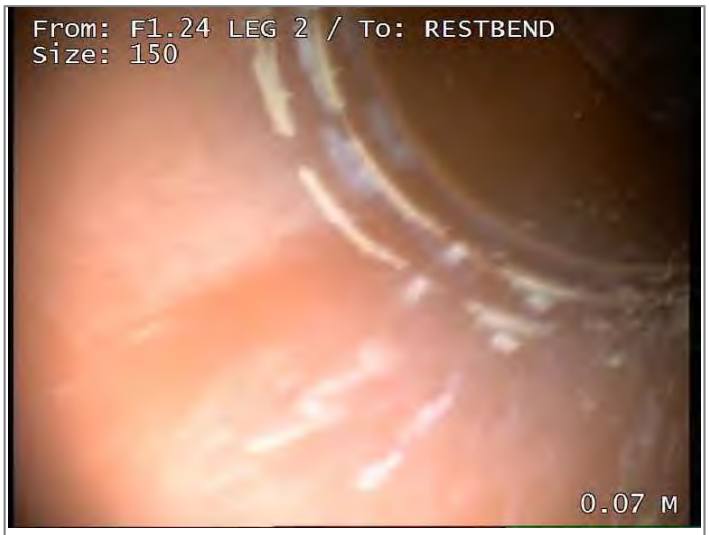
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.24 LEG 2



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**241**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.24 LEG 3**
End Node **RESTBEND**
Total length **1.19 metres**

Scale **1:0.06**
Direction **Upstream**

Start Node Ref:F1.24 LEG 3 | I/L : metres | Depth: 1.5 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.24 LEG 3	8734731	Comment / 0
0.00	WL	Water level 05% height/diameter	8735619	Comment / 0
0.26	LR	Line of drain/sewer deviates right	8735621	Comment / 0
1.19	OFF	Finish node type, outfall, reference RESTBEND	8735622	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.24 LEG 3



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.2 X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**242**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.3**
End Node **F1.2**
Total length **5.67 metres**

Scale **1:0.30**
Direction **Upstream**

Start Node Ref:F1.3 | I/L : metres | Depth: 1.43 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.3	8735623	Comment / 0
0.00	WL	Water level 05% height/diameter	8735635	Comment / 0
0.00	LL	Line of drain/sewer deviates left	8735636	Comment / 0
5.67	MHF	Finish node type, manhole, reference F1.2	8735637	Comment / 0

End Node Ref:F1.2 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.3



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, manhole, reference F1.2

CCTV Inspection Report

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1a Maple Court
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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**243**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.3 LEG 1**
End Node **RESTBEND**
Total length **5.24 metres**

Scale **1:0.28**
Direction **Upstream**

Start Node Ref:F1.3 LEG 1 | I/L : metres | Depth: 1.43 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.3 LEG 1	8735648	Comment / 0
0.00	WL	Water level 05% height/diameter	8735649	Comment / 0
5.24	OFF	Finish node type, outfall, reference RESTBEND	8735650	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.3 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**244**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.3 LEG 2**
End Node **RESTBEND**
Total length **8.48 metres**

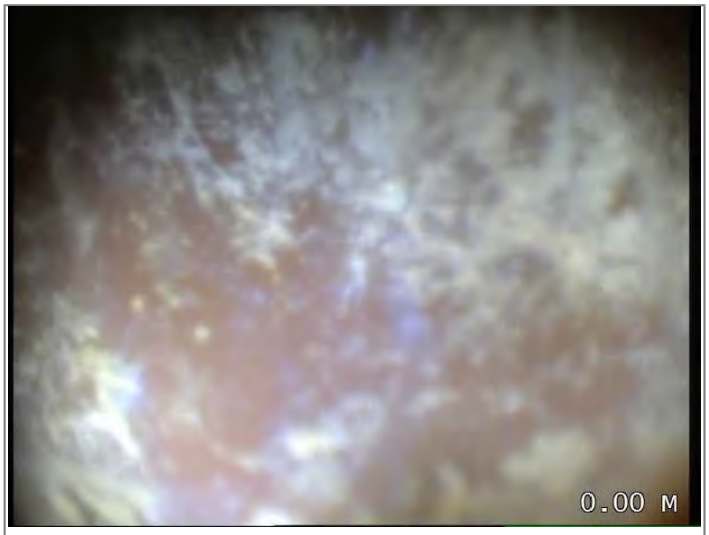
Scale **1:0.45**
Direction **Upstream**

Start Node Ref:F1.3 LEG 2 | I/L : metres | Depth: 1.43 metres

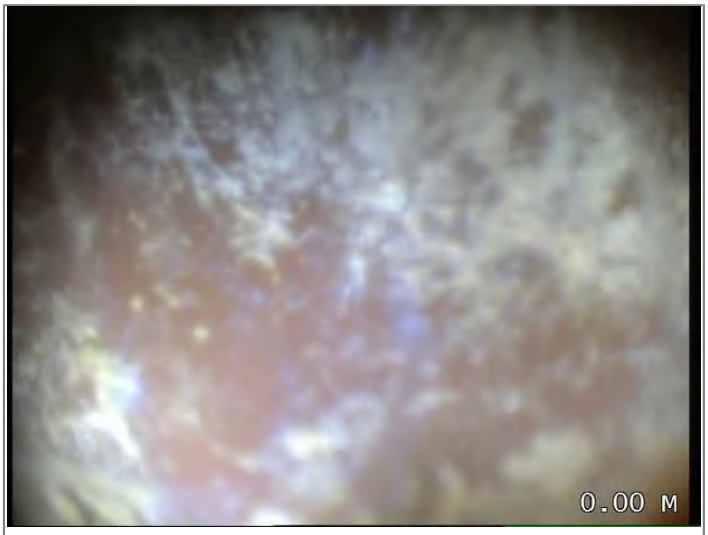
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.3 LEG 2	8735652	Comment / 0
0.00	WL	Water level 05% height/diameter	8735653	Comment / 0
8.48	MHF	Finish node type, manhole, reference F1.26	8735655	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.3 LEG 2



Water level 05% height/diameter



Finish node type, manhole, reference F1.26

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**245**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.2 LEG 1**
End Node **RESTBEND**
Total length **1.31 metres**

Scale **1:0.07**
Direction **Upstream**

Start Node Ref:F1.2 LEG 1 | I/L : metres | Depth: 1.16 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.2 LEG 1	8735685	Comment / 0
0.00	WL	Water level 05% height/diameter	8735686	Comment / 0
0.38	SC	Dimensions of drain/sewer changes to 100mm	8735688	Comment / 0
0.48	LR	Line of drain/sewer deviates right	8735690	Comment / 0
1.31	OFF	Finish node type, outfall, reference RESTBEND	8735691	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.2 LEG 1



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**246**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.14**
End Node **RESTBEND**
Total length **7.07 metres**

Scale **1:0.37**
Direction **Upstream**

Start Node Ref:F1.14 | I/L : metres | Depth: 1.29 metres

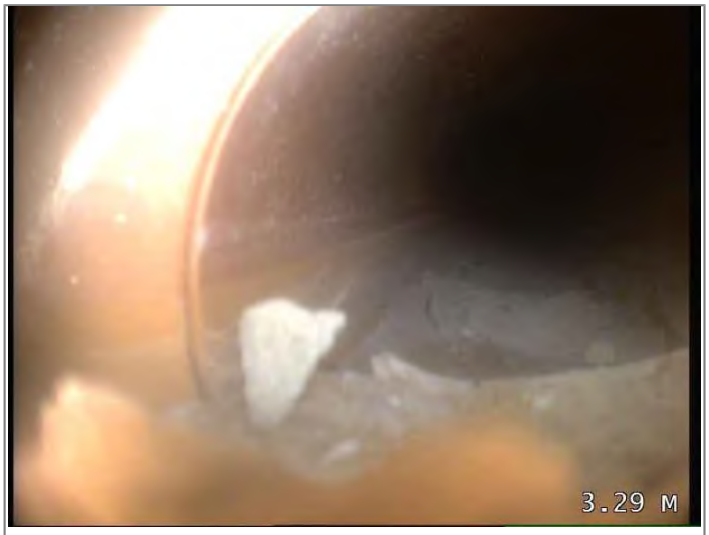
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.14	8735719	Comment / 0
0.00	WL	Water level 05% height/diameter	8735721	Comment / 0
0.50	LL	Line of drain/sewer deviates left	8735722	Comment / 0
7.07	OFF	Finish node type, outfall, reference RESTBEND	8735727	Comment / 0

End Node Ref:RESTBEND | I/L : metres

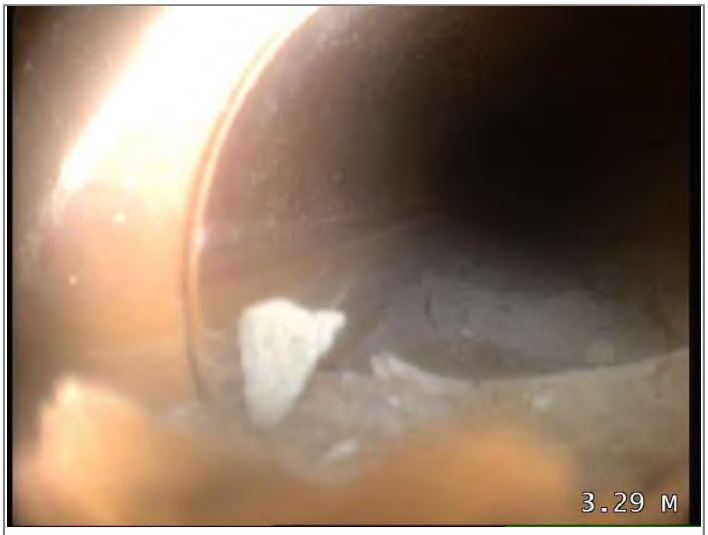
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.14



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**247**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.14 LEG 1**
End Node **RESTBEND**
Total length **8.69 metres**

Scale **1:0.46**
Direction **Upstream**

Start Node Ref:F1.14 LEG 1 | I/L : metres | Depth: 1.29 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.14 LEG 1	8735743	Comment / 0
0.00	WL	Water level 05% height/diameter	8735745	Comment / 0
4.36	CN	Connection other than junction at 2 o'clock, diameter 100mm	8735776	Comment / 0
8.69	OFF	Finish node type, outfall, reference RESTBEND	8735777	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.14 LEG 1



Water level 05% height/diameter



Connection other than junction at 2 o'clock, diameter 100mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**248**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.14 LEG 2**
End Node **RESTBEND**
Total length **3.9 metres**

Scale **1:0.20**
Direction **Upstream**

Start Node Ref:F1.14 LEG 2 | I/L : metres | Depth: 1.29 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.14 LEG 2	8735794	Comment / 0
0.00	WL	Water level 05% height/diameter	8735816	Comment / 0
3.90	LR	Line of drain/sewer deviates right	8735821	Comment / 0
3.90	OFF	Finish node type, outfall, reference RESTBEND	8735823	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.14 LEG 2



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**249**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.14 LEG 3**
End Node **RESTBEND**
Total length **3.83 metres**

Scale **1:0.20**
Direction **Upstream**

Start Node Ref:F1.14 LEG 3 | I/L : metres | Depth: 1.29 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.14 LEG 3	8735833	Comment / 0
0.00	WL	Water level 05% height/diameter	8735835	Comment / 0
3.14	LL	Line of drain/sewer deviates left	8735836	Comment / 0
3.83	OFF	Finish node type, outfall, reference RESTBEND	8735864	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.14 LEG 3



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**250**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.14 LEG 4**
End Node **RESTBEND**
Total length **5.81 metres**

Scale **1:0.30**
Direction **Upstream**

Start Node Ref:F1.14 LEG 4 | I/L : metres | Depth: 1.29 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.14 LEG 4	8735868	Comment / 0
0.00	WL	Water level 05% height/diameter	8735869	Comment / 0
5.38	LL	Line of drain/sewer deviates left	8735870	Comment / 0
5.81	OFF	Finish node type, outfall, reference RESTBEND	8735871	Comment / 0

End Node Ref:RESTBEND | I/L : metres

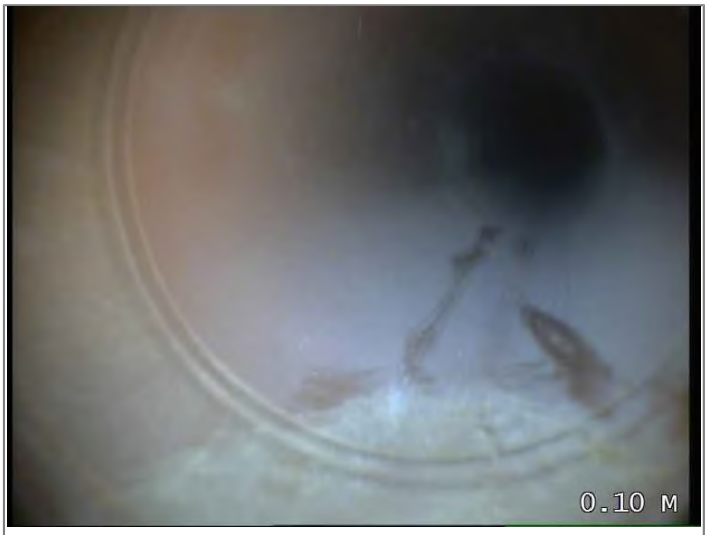
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



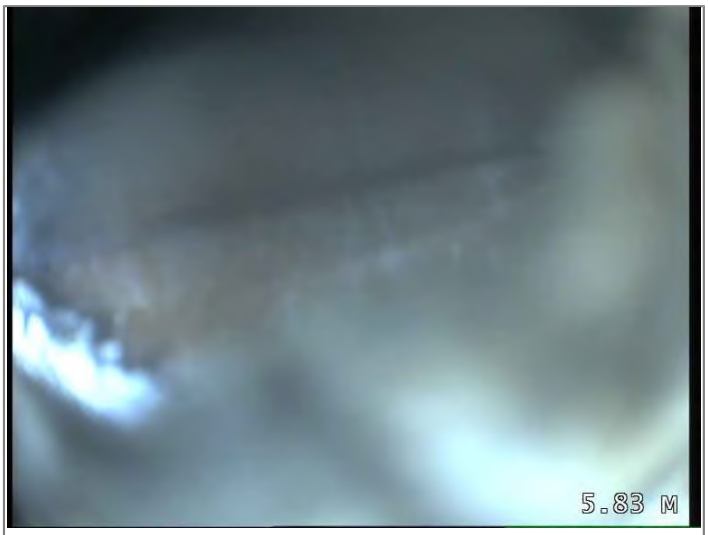
Start node type, manhole, reference F1.14 LEG 4



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**251**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.18**
End Node **RESTBEND**
Total length **5.31 metres**

Scale **1:0.28**
Direction **Upstream**

Start Node Ref:F1.18 | I/L : metres | Depth: 0.97 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.18	8735904	Comment / 0
0.00	WL	Water level 05% height/diameter	8735905	Comment / 0
0.31	LR	Line of drain/sewer deviates right	8735906	Comment / 0
5.31	OFF	Finish node type, outfall, reference RESTBEND	8735907	Comment / 0

End Node Ref:RESTBEND | I/L : metres

BUXTONWATER

CCTV Inspection Photos

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.18



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**252**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.18 LEG 1**
End Node **RESTBEND**
Total length **4.67 metres**

Scale **1:0.25**
Direction **Upstream**

Start Node Ref:F1.18 LEG 1 | I/L : metres | Depth: 0.97 metres

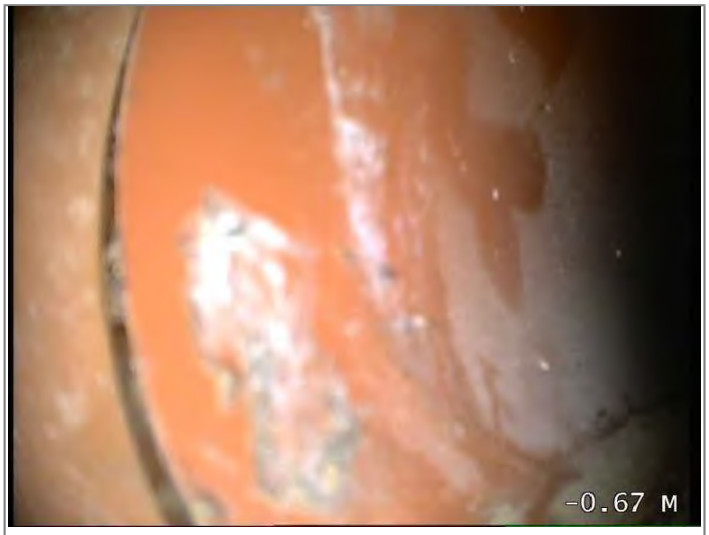
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.18 LEG 1	8735916	Comment / 0
0.00	WL	Water level 05% height/diameter	8735917	Comment / 0
0.12	LR	Line of drain/sewer deviates right	8735918	Comment / 0
0.55	LL	Line of drain/sewer deviates left	8735919	Comment / 0
4.67	OFF	Finish node type, outfall, reference RESTBEND	8735920	Comment / 0

End Node Ref:RESTBEND | I/L : metres

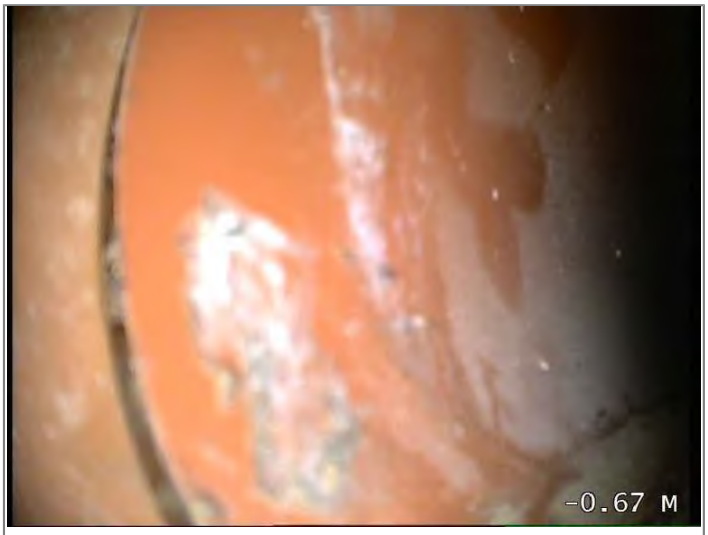
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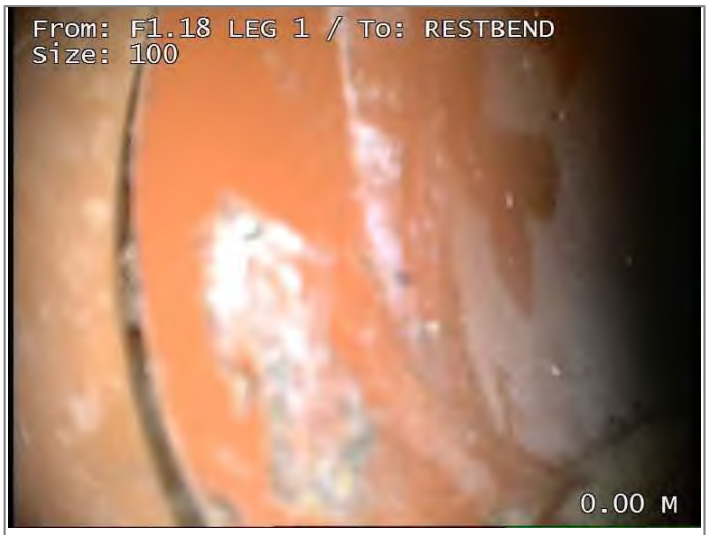
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



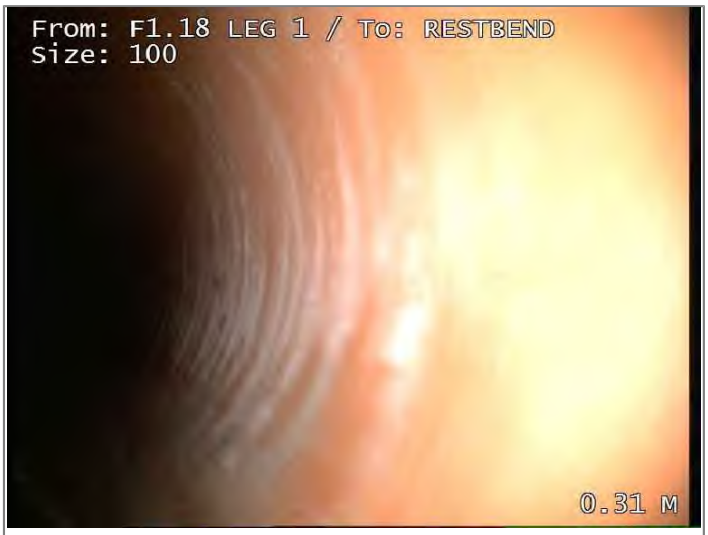
Start node type, manhole, reference F1.18 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.18 X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**253**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.18**
End Node **F1.19**
Total length **10.55 metres**

Scale **1:0.55**
Direction **Downstream**

Start Node Ref:F1.18 | I/L : metres | Depth: 0.97 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.18	8735927	Comment / 0
0.00	WL	Water level 05% height/diameter	8735929	Comment / 0
4.07	CN	Connection other than junction at 3 o'clock, diameter 100mm	8735943	Comment / 0
8.74	CN	Connection other than junction at 9 o'clock, diameter 100mm	8735945	Comment / 0
10.55	MHF	Finish node type, manhole, reference F1.19	8735951	Comment / 0

End Node Ref:F1.19 | I/L : metres

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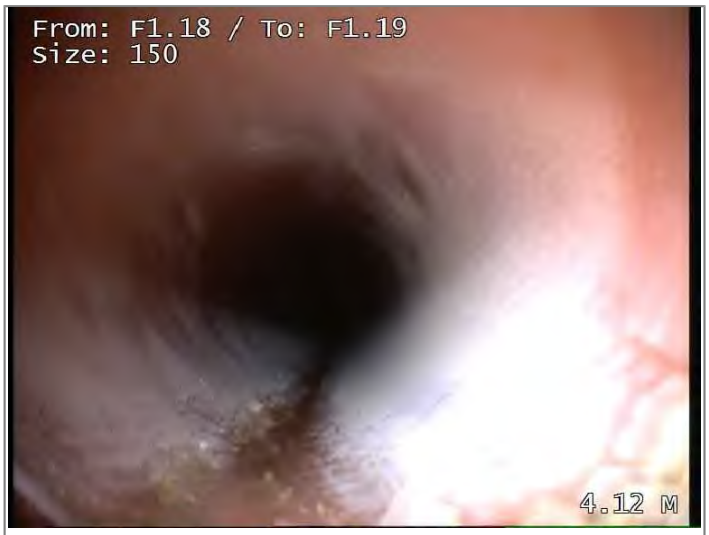
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.18



Water level 05% height/diameter



Connection other than junction at 3 o'clock, diameter 100mm



Connection other than junction at 9 o'clock, diameter 100mm



Finish node type, manhole, reference F1.19

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**254**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.18 LEG 2**
End Node **RESTBEND**
Total length **2.67 metres**

Scale **1:0.14**
Direction **Upstream**

Start Node Ref:F1.18 LEG 2 | I/L : metres | Depth: 0.97 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.18 LEG 2	8735965	Comment / 0
0.00	WL	Water level 05% height/diameter	8735966	Comment / 0
0.45	LL	Line of drain/sewer deviates left	8735973	Comment / 0
2.17	LL	Line of drain/sewer deviates left	8735974	Comment / 0
2.67	OFF	Finish node type, outfall, reference RESTBEND	8735975	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.18 LEG 2



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**255**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.19**
End Node **RESTBEND**
Total length **5.88 metres**

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

Start Node Ref:F1.19 | I/L : metres | Depth: 1.47 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.19	8735994	Comment / 0
0.00	WL	Water level 05% height/diameter	8735995	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8736006	Comment / 0
5.88	OFF	Finish node type, outfall, reference RESTBEND	8736007	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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CCTV Inspection Photos

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.19



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**256**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.16 LEG 1**
End Node **RESTBEND**
Total length **0.45 metres**

Scale **1:0.02**
Direction **Upstream**

Start Node Ref:F1.16 LEG 1 | I/L : metres | Depth: 1.55 metres

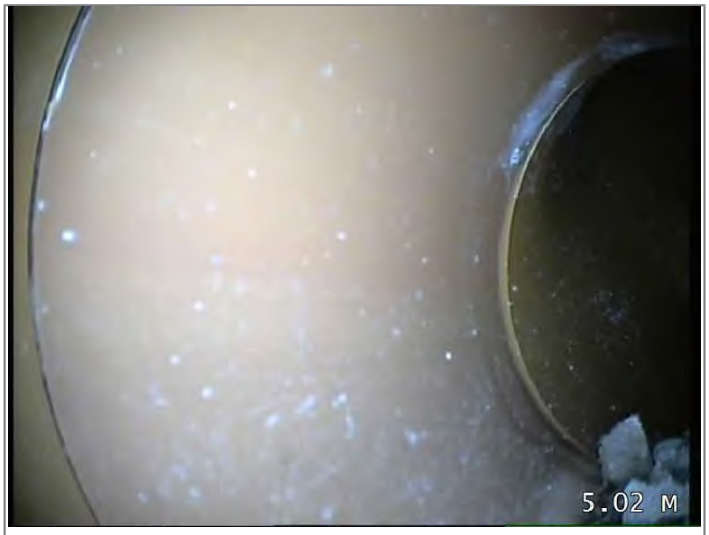
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.16 LEG 1	8736043	Comment / 0
0.00	WL	Water level 05% height/diameter	8736044	Comment / 0
0.45	OFF	Finish node type, outfall, reference RESTBEND	8736045	Comment / 0

End Node Ref:RESTBEND | I/L : metres

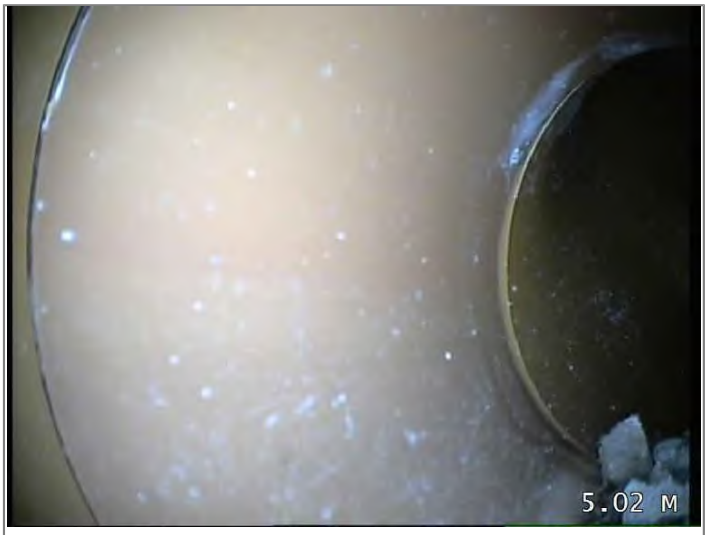
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.16 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**257**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.16 LEG 2**
End Node **RESTBEND**
Total length **0.02 metres**

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

Start Node Ref:F1.16 LEG 2 | I/L : metres | Depth: 1.55 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.16 LEG 2	8736060	Comment / 0
0.00	WL	Water level 05% height/diameter	8736067	Comment / 0
0.02	OFF	Finish node type, outfall, reference RESTBEND	8736068	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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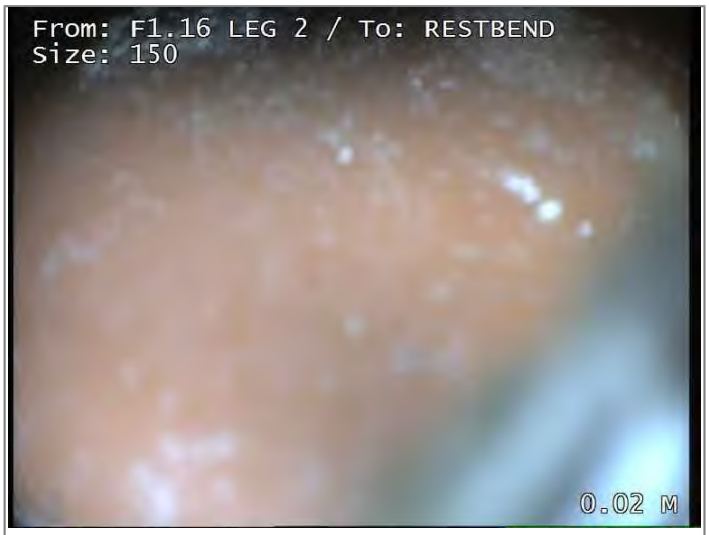
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.16 LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**258**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.16 LEG 3**
End Node **RESTBEND**
Total length **0.71 metres**

Scale **1:0.04**
Direction **Upstream**

Start Node Ref:F1.16 LEG 3 | I/L : metres | Depth: 1.55 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.16 LEG 3	8736069	Comment / 0
0.00	WL	Water level 05% height/diameter	8736070	Comment / 0
0.71	OFF	Finish node type, outfall, reference RESTBEND	8736071	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.16 LEG 3



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**259**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.16 LEG 4**
End Node **RESTBEND**
Total length **1.07 metres**

Scale **1:0.06**
Direction **Upstream**

Start Node Ref:F1.16 LEG 4 | I/L : metres | Depth: 1.55 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.16 LEG 4	8736072	Comment / 0
0.00	WL	Water level 05% height/diameter	8736073	Comment / 0
1.07	OFF	Finish node type, outfall, reference RESTBEND	8736074	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type, manhole, reference F1.16 LEG 4



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**SITE 2 HOPX**	**30/10/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**260**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **SITE 2 HOPPER 16**
End Node **S1.13**
Total length **5.14 metres**

Scale **1:0.27**
Direction **Downstream**

Start Node Ref:SITE 2 HOPPER 16 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	SN	Start node type: Source	8736107	Comment / 0
0.00	WL	Water level 05% height/diameter	8736108	Comment / 0
1.10	LL	Line of drain/sewer deviates left - Remark: RESTBEND	8736109	Comment / 0
5.14	MHF	Finish node type, manhole, reference S1.13	8736113	Comment / 0

End Node Ref:S1.13 | I/L : metres

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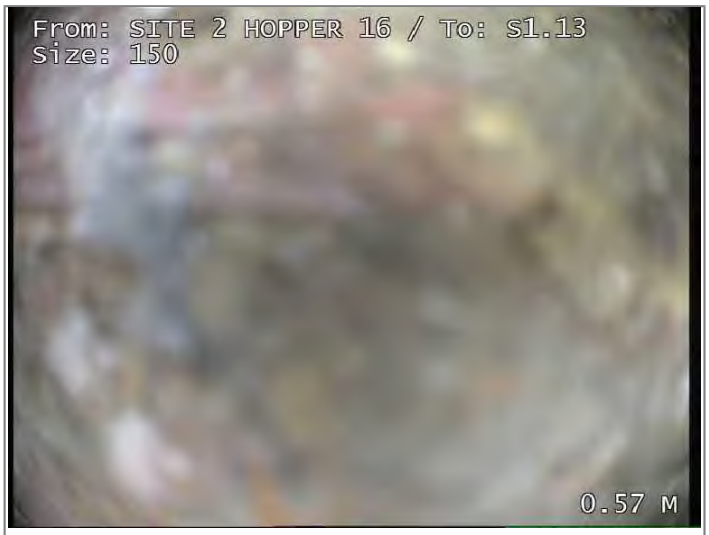
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**30/10/2023**



Start node type: Source



Water level 05% height/diameter



Line of drain/sewer deviates left - Remark: RESTBEND



Finish node type, manhole, reference S1.13

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.13 X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**261**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.13**
End Node **S1.14**
Total length **12.86 metres**

Scale **1:0.68**
Direction **Downstream**

Start Node Ref:S1.13 | I/L : metres | Depth: 1.32 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.13	8859371	Comment / 0
0.00	WL	Water level 05% height/diameter	8859387	Comment / 0
12.86	MHF	Finish node type, manhole, reference S1.14	8859397	Comment / 0

End Node Ref:S1.14 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.13



Water level 05% height/diameter



Finish node type, manhole, reference S1.14

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**262**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.13**
End Node **RESTBEND**
Total length **5.05 metres**

Scale **1:0.27**
Direction **Upstream**

Start Node Ref:S1.13 | I/L : metres | Depth: 1.32 metres

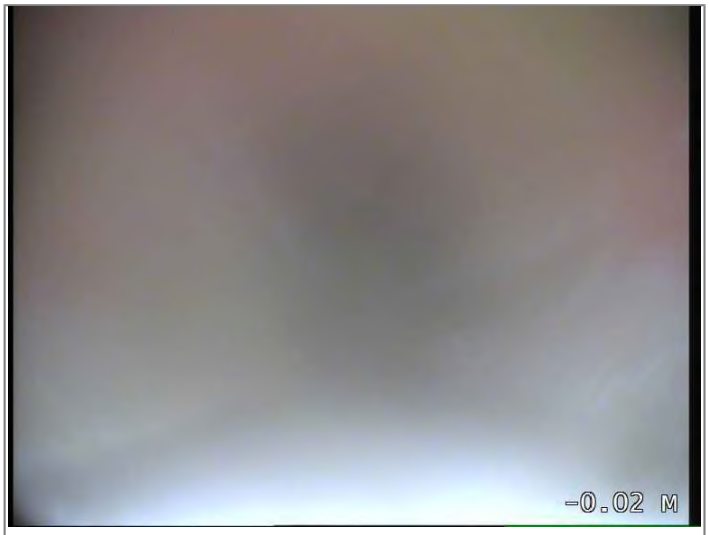
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.13	8859409	Comment / 0
0.00	WL	Water level 05% height/diameter	8859413	Comment / 0
5.05	LR	Line of drain/sewer deviates right	8859430	Comment / 0
5.05	OFF	Finish node type, outfall, reference RESTBEND	8859434	Comment / 0

End Node Ref:RESTBEND | I/L : metres

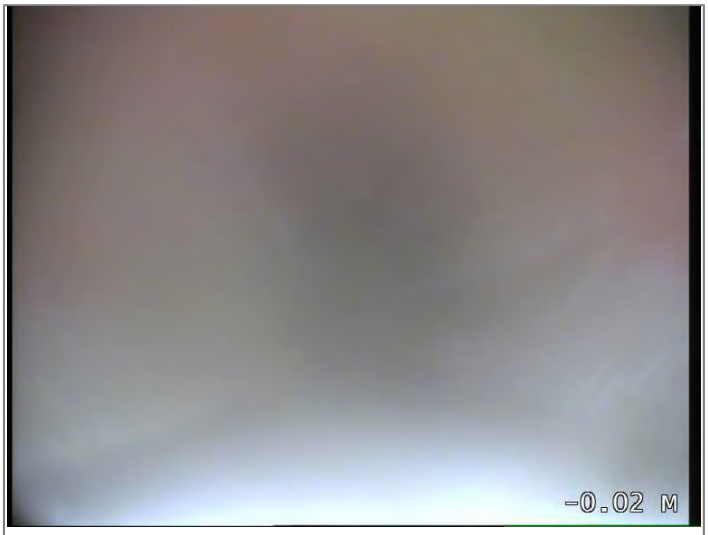
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.13



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**263**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.13 LEG1**
End Node **RESTBEND**
Total length **5.76 metres**

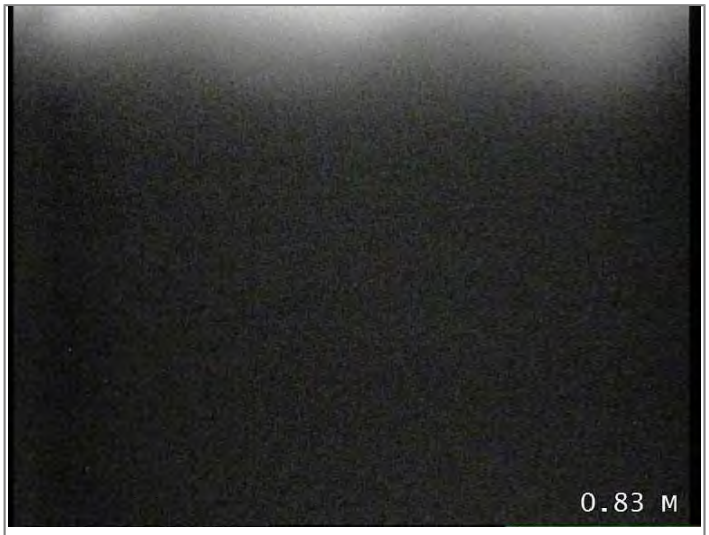
Scale **1:0.30**
Direction **Upstream**

Start Node Ref:S1.13 LEG1 | I/L : metres | Depth: 1.32 metres

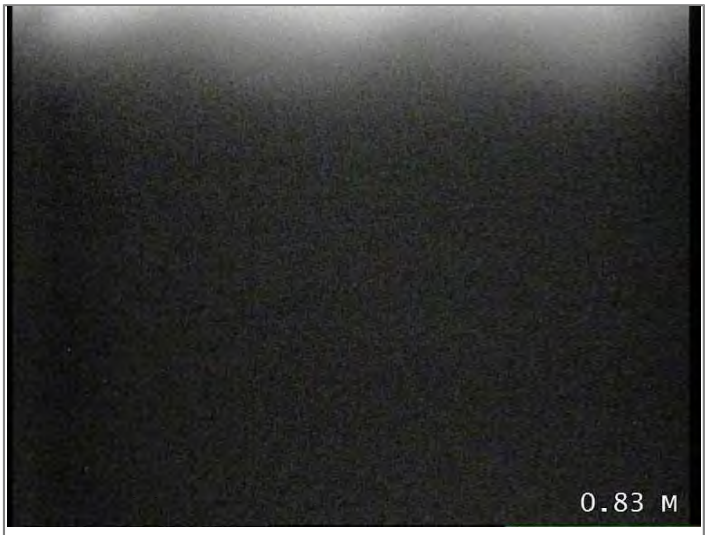
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.13 LEG1	8859963	Comment / 0
0.00	WL	Water level 05% height/diameter	8859964	Comment / 0
5.76	OFF	Finish node type, outfall, reference RESTBEND	8859967	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.13 LEG1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**264**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.15**
End Node **RESTBEND**
Total length **13.21 metres**

Scale **1:0.69**
Direction **Upstream**

Start Node Ref:S1.15 | I/L : metres | Depth: 1.32 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.15	8859968	Comment / 0
0.00	WL	Water level 05% height/diameter	8859970	Comment / 0
4.02	CN	Connection other than junction at 3 o'clock, diameter 150mm	8859972	Comment / 0
13.21	OFF	Finish node type, outfall, reference RESTBEND	8859973	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.15



Water level 05% height/diameter



Connection other than junction at 3 o'clock, diameter 150mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**265**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.15 LEG 1**
End Node **RESTBEND**
Total length **7.98 metres**

Scale **1:0.42**
Direction **Upstream**

Start Node Ref:S1.15 LEG 1 | I/L : metres | Depth: 1.32 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.15 LEG 1	8859975	Comment / 0
0.00	WL	Water level 05% height/diameter	8859976	Comment / 0
7.98	OFF	Finish node type, outfall, reference RESTBEND	8859977	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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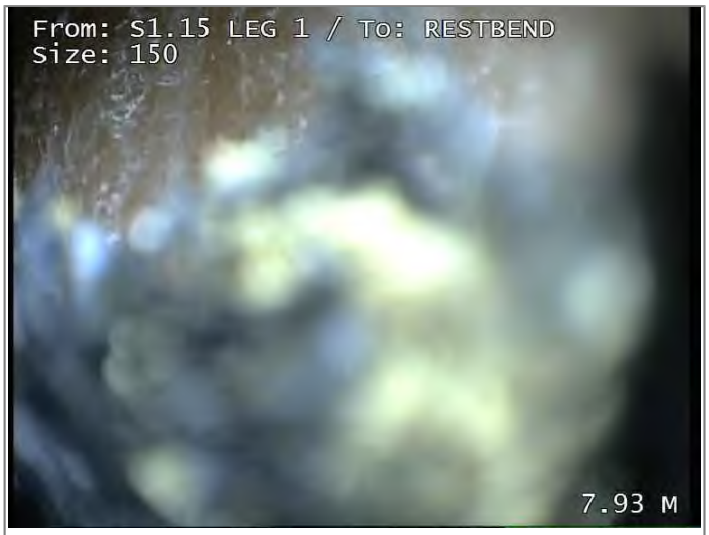
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.15 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.15 X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**266**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.15**
End Node **S1.17**
Total length **11.71 metres**

Scale **1:0.61**
Direction **Downstream**

Start Node Ref:S1.15 | I/L : metres | Depth: 1.32 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.15	8859979	Comment / 0
0.00	WL	Water level 05% height/diameter	8859980	Comment / 0
11.45	LR	Line of drain/sewer deviates right	8859990	Comment / 0
11.71	MHF	Finish node type, manhole, reference S1.17	8859991	Comment / 0

End Node Ref:S1.17 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



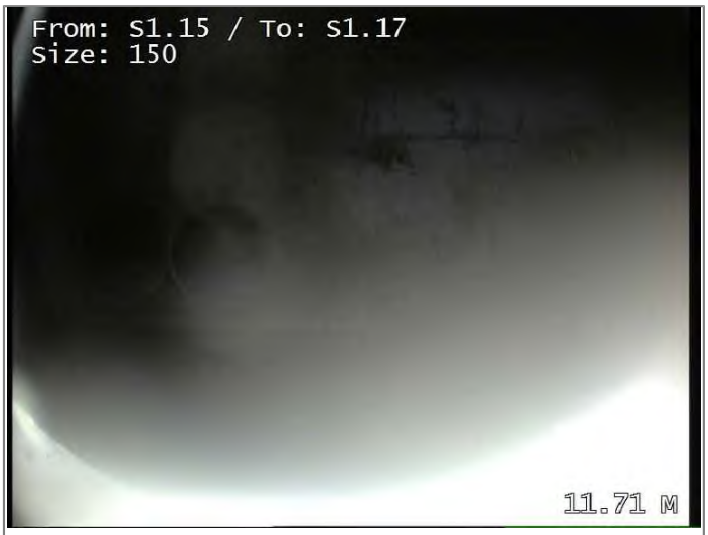
Start node type, manhole, reference S1.15



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference S1.17

CCTV Inspection Report

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**267**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.29**
End Node **RESTBEND**
Total length **12.52 metres**

Scale **1:0.66**
Direction **Upstream**

Start Node Ref:S1.29 | I/L : metres | Depth: 1.07 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.29	8859993	Comment / 0
0.00	WL	Water level 05% height/diameter	8859994	Comment / 0
12.52	OFF	Finish node type, outfall, reference RESTBEND	8860007	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.29



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**268**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.29 LEG 1**
End Node **RESTBEND**
Total length **5.26 metres**

Scale **1:0.28**
Direction **Upstream**

Start Node Ref:S1.29 LEG 1 | I/L : metres | Depth: 1.07 metres

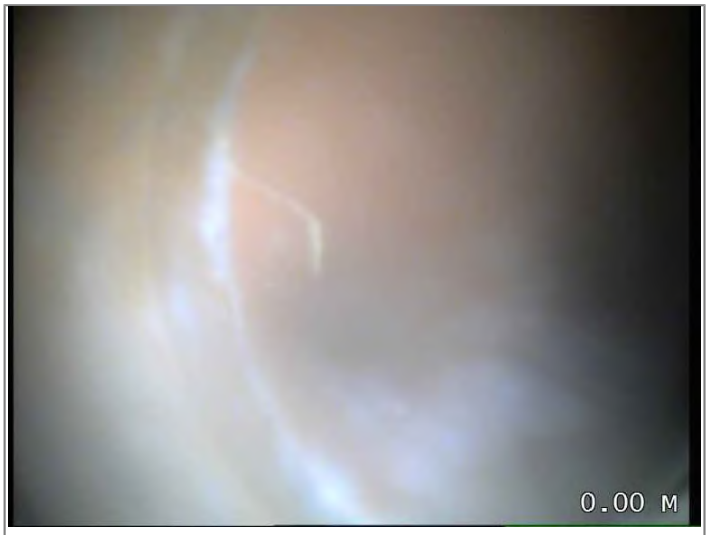
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.29 LEG 1	8865470	Comment / 0
0.00	WL	Water level 05% height/diameter	8865471	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8865472	Comment / 0
5.26	OFF	Finish node type, outfall, reference RESTBEND	8865473	Comment / 0

End Node Ref:RESTBEND | I/L : metres

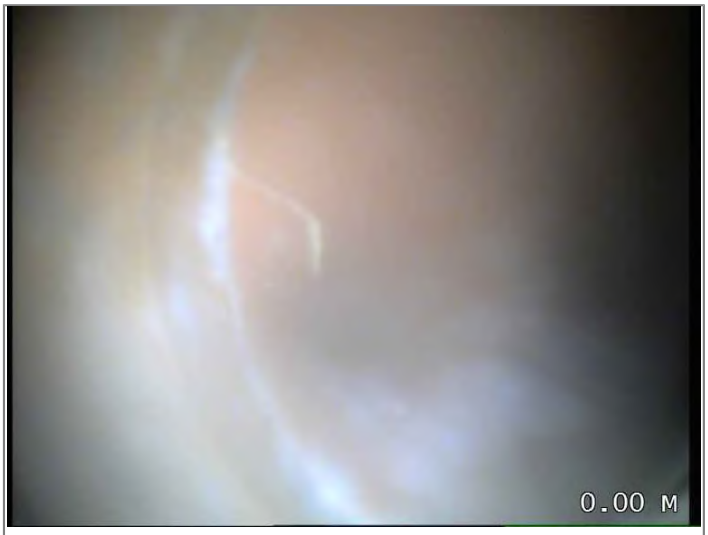
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.29 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.29 X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**269**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.29**
End Node **S1.14**
Total length **4.83 metres**

Scale **1:0.25**
Direction **Downstream**

Start Node Ref:S1.29 | I/L : metres | Depth: 1.07 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.29	8865476	Comment / 0
0.00	WL	Water level 05% height/diameter	8865477	Comment / 0
4.83	MHF	Finish node type, manhole, reference S1.14	8865478	Comment / 0

End Node Ref:S1.14 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.29



Water level 05% height/diameter



Finish node type, manhole, reference S1.14

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.14 X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**270**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.14**
End Node **S1.17**
Total length **18.81 metres**

Scale **1:0.99**
Direction **Downstream**

Start Node Ref:S1.14 | I/L : metres | Depth: 1.20 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.14	8865479	Comment / 0
0.00	WL	Water level 05% height/diameter	8865480	Comment / 0
3.07	CN	Connection other than junction at 2 o'clock, diameter 150mm	8865483	Comment / 0
18.81	MHF	Finish node type, manhole, reference S1.17	8865484	Comment / 0

End Node Ref:S1.17 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.14



Water level 05% height/diameter



Connection other than junction at 2 o'clock, diameter 150mm



Finish node type, manhole, reference S1.17

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**271**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.16**
End Node **RESTBEND**
Total length **10.74 metres**

Scale **1:0.56**
Direction **Upstream**

Start Node Ref:S1.16 | I/L : metres | Depth: 1.11 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.16	8865486	Comment / 0
0.00	WL	Water level 05% height/diameter	8865487	Comment / 0
0.12	SC	Dimensions of drain/sewer changes to 100mm	8865489	Comment / 0
10.74	OFF	Finish node type, outfall, reference RESTBEND	8865490	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.16



Water level 05% height/diameter



Dimensions of drain/sewer changes to 100mm



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**272**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.16 LEG 1**
End Node **RESTBEND**
Total length **6.67 metres**

Scale **1:0.35**
Direction **Upstream**

Start Node Ref:S1.16 LEG 1 | I/L : metres | Depth: 1.11 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.16 LEG 1	8865491	Comment / 0
0.00	WL	Water level 05% height/diameter	8865492	Comment / 0
6.67	OFF	Finish node type, outfall, reference RESTBEND	8865493	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.16 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.16 X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**273**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.16**
End Node **S1.17**
Total length **11.31 metres**

Scale **1:0.59**
Direction **Downstream**

Start Node Ref:S1.16 | I/L : metres | Depth: 1.11 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.16	8865494	Comment / 0
0.00	WL	Water level 05% height/diameter	8865495	Comment / 0
10.38	LL	Line of drain/sewer deviates left	8865496	Comment / 0
11.31	LD	Line of drain/sewer deviates down - Remark: DROPSHAFT	8865497	Comment / 0

End Node Ref:S1.17 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.16



Water level 05% height/diameter



Line of drain/sewer deviates left



Line of drain/sewer deviates down - Remark: DROPSHAFT

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**274**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.17 LEG 1**
End Node **RESTBEND**
Total length **4.64 metres**

Scale **1:0.24**
Direction **Upstream**

Start Node Ref:S1.17 LEG 1 | I/L : metres | Depth: 2.18 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.17 LEG 1	8865502	Comment / 0
0.00	WL	Water level 05% height/diameter	8865503	Comment / 0
0.10	LR	Line of drain/sewer deviates right	8865504	Comment / 0
4.64	OFF	Finish node type, outfall, reference RESTBEND	8865505	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.17 LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**275**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.17 LEG 2**
End Node **RESTBEND**
Total length **1.93 metres**

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

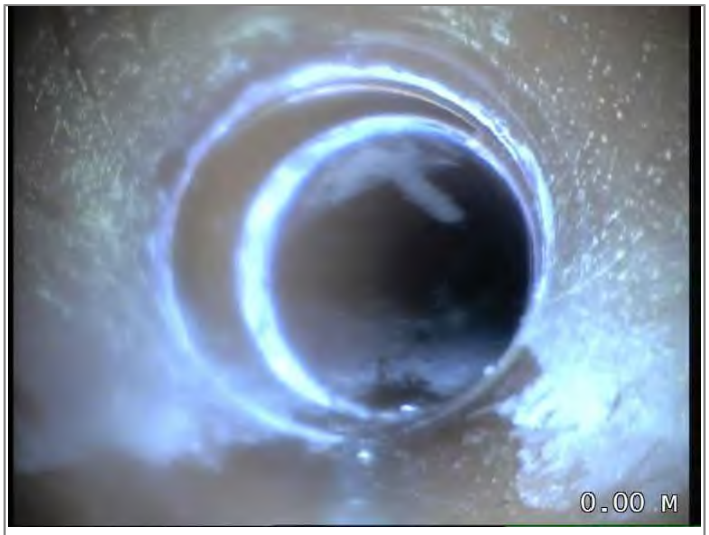
Start Node Ref:S1.17 LEG 2 | I/L : metres | Depth: 2.18 metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.17 LEG 2	8865506	Comment / 0
0.00	WL	Water level 05% height/diameter	8865507	Comment / 0
1.93	OFF	Finish node type, outfall, reference RESTBEND	8865508	Comment / 0

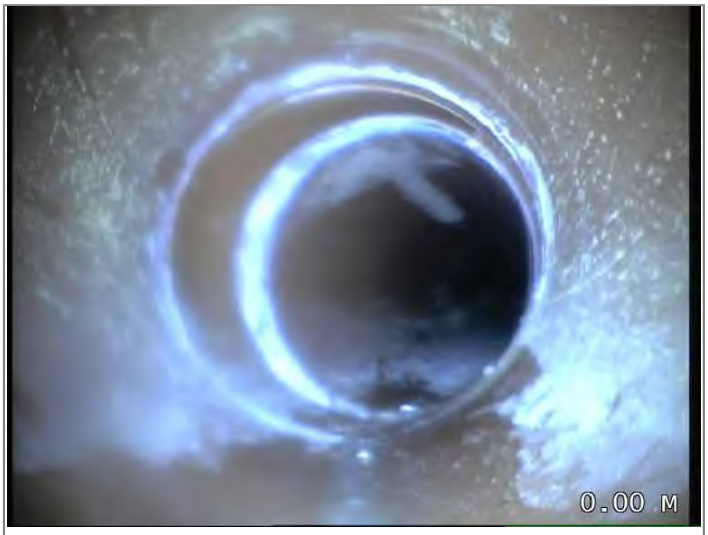
End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.17 LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.17 X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**276**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.17**
End Node **ATTENUATION TANK**
Total length **4.31 metres**

Scale **1:0.23**
Direction **Downstream**

Start Node Ref:S1.17 | I/L : metres | Depth: 2.18 metres

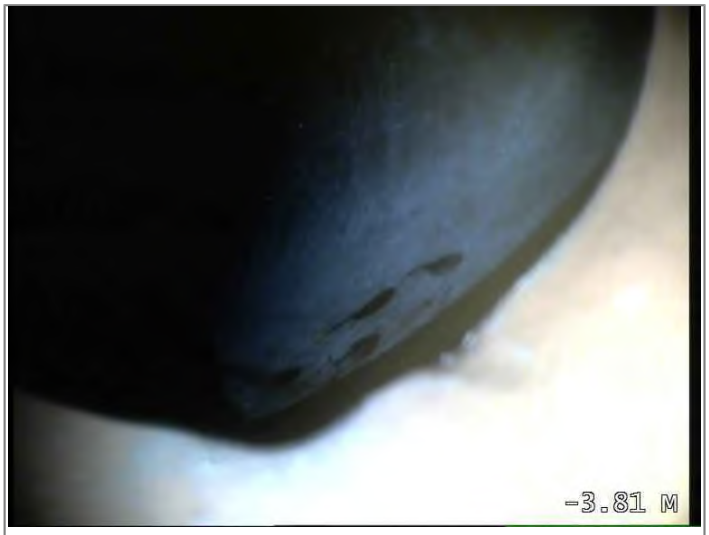
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.17	8865510	Comment / 0
0.00	WL	Water level 05% height/diameter	8865511	Comment / 0
2.40	LR	Line of drain/sewer deviates right	8865512	Comment / 0
4.31	OFF	Finish node type, outfall, reference ATTENUATION TANK	8865513	Comment / 0

End Node Ref:ATTENUATION TANK | I/L : metres

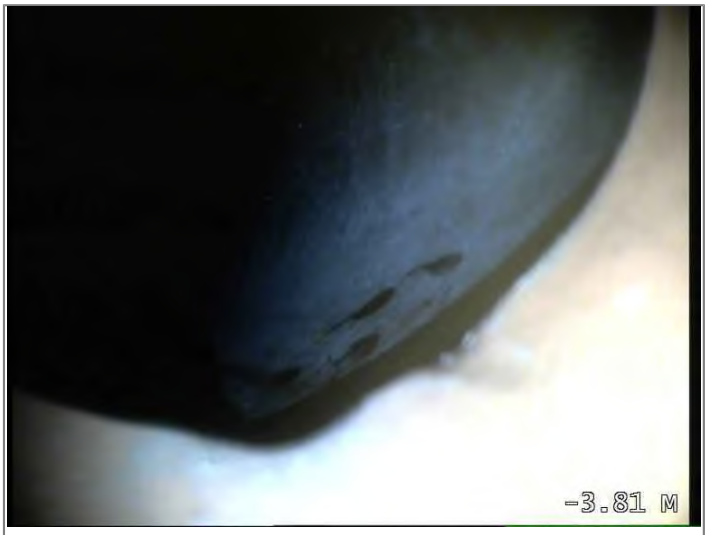
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



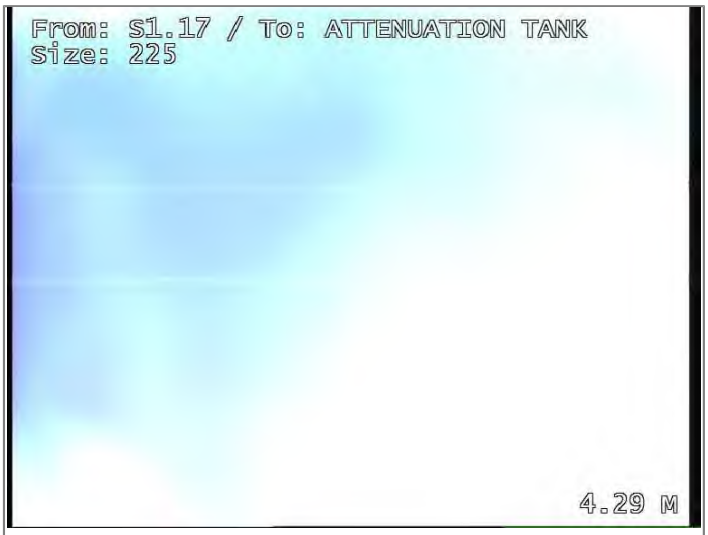
Start node type, manhole, reference S1.17



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference ATTENUATION TANK

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.18 X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**277**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.19**
End Node **S1.18**
Total length **12.71 metres**

Scale **1:0.67**
Direction **Upstream**

Start Node Ref:S1.19 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.19	8865514	Comment / 0
0.00	WL	Water level 05% height/diameter	8865515	Comment / 0
4.60	CN	Connection other than junction at 2 o'clock, diameter 150mm	8865516	Comment / 0
12.71	MHF	Finish node type, manhole, reference S1.18	8865517	Comment / 0

End Node Ref:S1.18 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.19



Water level 05% height/diameter



Connection other than junction at 2 o'clock, diameter 150mm



Finish node type, manhole, reference S1.18

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**ATTENUATIOX**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**278**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.19 LEG 1**
End Node **ATTENUATION TANK**
Total length **2.9 metres**

Scale **1:0.15**
Direction **Upstream**

Start Node Ref:S1.19 LEG 1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.19 LEG 1	8865518	Comment / 0
0.00	WL	Water level 05% height/diameter	8865520	Comment / 0
2.90	OFF	Finish node type, outfall, reference ATTENUATION TANK	8865521	Comment / 0

End Node Ref:ATTENUATION TANK | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.19 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference ATTENUATION TANK

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.19 X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**279**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.19**
End Node **S1.20**
Total length **3.21 metres**

Scale **1:0.17**
Direction **Downstream**

Start Node Ref:S1.19 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.19	8865522	Comment / 0
0.00	WL	Water level 05% height/diameter	8865523	Comment / 0
3.21	MHF	Finish node type, manhole, reference S1.20	8865524	Comment / 0

End Node Ref:S1.20 | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.19



Water level 05% height/diameter



Finish node type, manhole, reference S1.20

CCTV Inspection Report

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**280**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.19 LEG 2**
End Node **RESTBEND**
Total length **2.36 metres**

Scale **1:0.12**
Direction **Upstream**

Start Node Ref:S1.19 LEG 2 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.19 LEG 2	8865525	Comment / 0
0.00	WL	Water level 05% height/diameter	8865526	Comment / 0
0.17	LL	Line of drain/sewer deviates left	8865527	Comment / 0
2.36	OFF	Finish node type, outfall, reference RESTBEND	8865528	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.19 LEG 2



Water level 05% height/diameter



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**281**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.20 LEG1**
End Node **RESTBEND**
Total length **3.88 metres**

Scale **1:0.20**
Direction **Upstream**

Start Node Ref:S1.20 LEG1 | I/L : metres

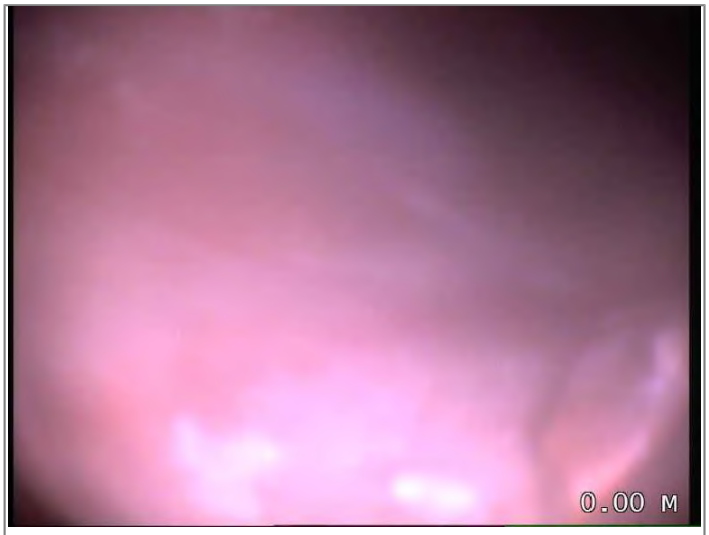
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.20 LEG1	8865529	Comment / 0
0.00	WL	Water level 05% height/diameter	8865530	Comment / 0
3.88	OFF	Finish node type, outfall, reference RESTBEND	8865531	Comment / 0

End Node Ref:RESTBEND | I/L : metres

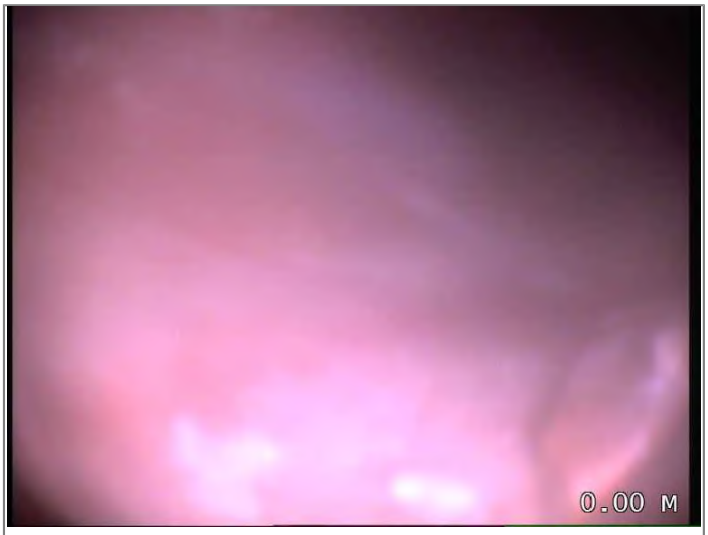
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.20 LEG1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.20 X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**282**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.20**
End Node **S1.25**
Total length **10.67 metres**

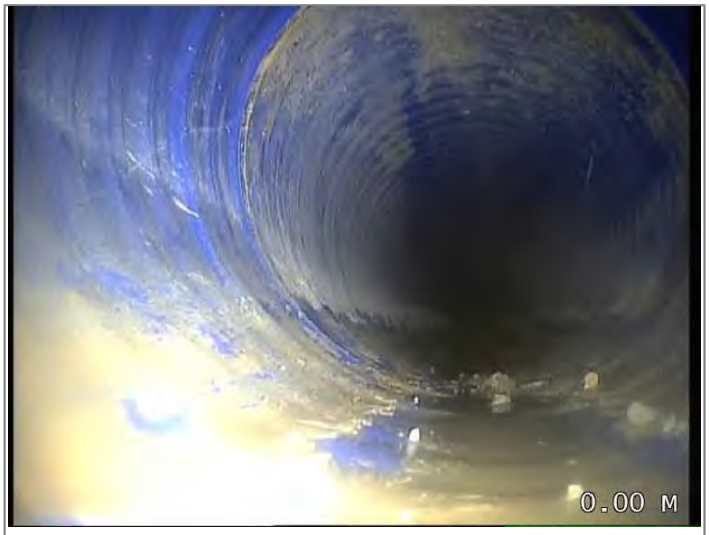
Scale **1:0.56**
Direction **Downstream**

Start Node Ref:S1.20 | I/L : metres

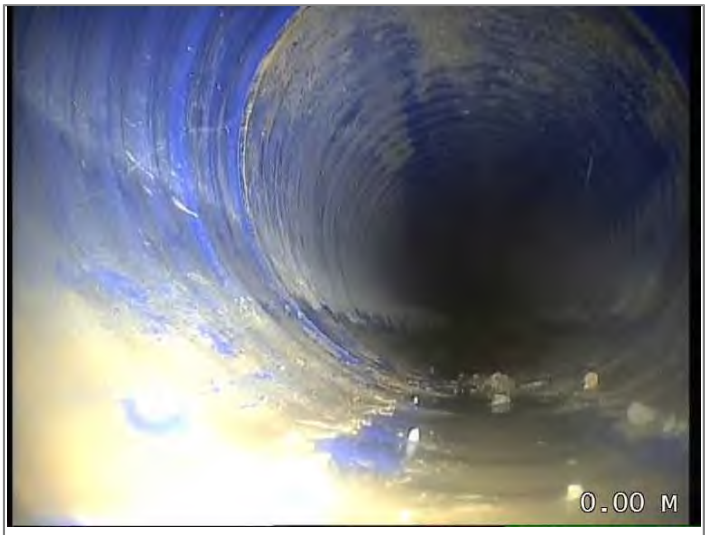
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.20	8865532	Comment / 0
0.00	WL	Water level 05% height/diameter	8865533	Comment / 0
10.67	MHF	Finish node type, manhole, reference S1.25	8865534	Comment / 0

End Node Ref:S1.25 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.20



Water level 05% height/diameter



Finish node type, manhole, reference S1.25

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**283**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.21A**
End Node **RESTBEND**
Total length **5.48 metres**

Scale **1:0.29**
Direction **Upstream**

Start Node Ref:S1.21A | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.21A	8865535	Comment / 0
0.00	WL	Water level 05% height/diameter	8865536	Comment / 0
5.48	OFF	Finish node type, outfall, reference RESTBEND	8865537	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.21A



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**CAPPED X**	**23/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**284**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.21A**
End Node **CAPPED**
Total length **0.4 metres**

Scale **1:0.02**
Direction **Upstream**

Start Node Ref:S1.21A | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.21A	8865538	Comment / 0
0.00	WL	Water level 05% height/diameter	8865539	Comment / 0
0.40	OFF	Finish node type, outfall, reference CAPPED	8865540	Comment / 0

End Node Ref:CAPPED | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**23/11/2023**



Start node type, manhole, reference S1.21A



Water level 05% height/diameter



Finish node type, outfall, reference CAPPED

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**285**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.4A LEG 1**
End Node **RESTBEND**
Total length **2.71 metres**

Scale **1:0.14**
Direction **Upstream**

Start Node Ref:S1.4A LEG 1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.4A LEG 1	8865541	Comment / 0
0.00	WL	Water level 05% height/diameter	8865542	Comment / 0
1.83	LR	Line of drain/sewer deviates right	8865543	Comment / 0
2.71	OFF	Finish node type, outfall, reference RESTBEND	8865544	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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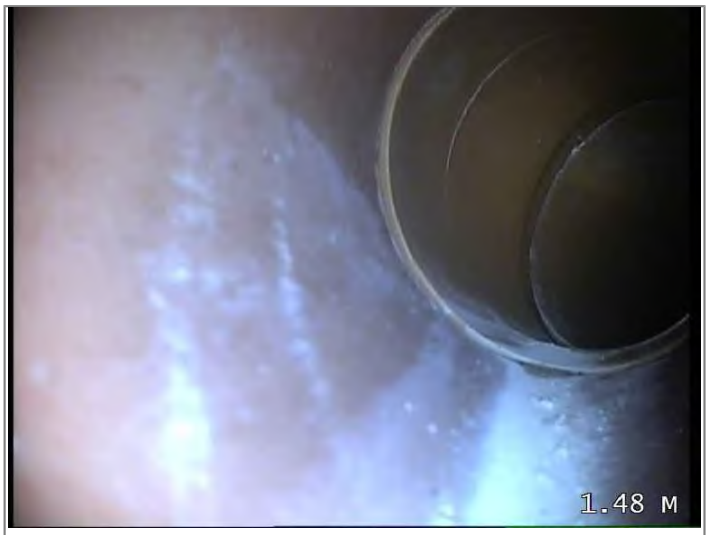
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.4A LEG 1



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**286**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.4A LEG 2**
End Node **RESTBEND**
Total length **6.69 metres**

Scale **1:0.35**
Direction **Upstream**

Start Node Ref:S1.4A LEG 2 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.4A LEG 2	8865545	Comment / 0
0.00	WL	Water level 05% height/diameter	8865546	Comment / 0
6.69	OFF	Finish node type, outfall, reference RESTBEND	8865547	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.4A LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**287**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.4A LEG 3**
End Node **RESTBEND**
Total length **4.29 metres**

Scale **1:0.23**
Direction **Upstream**

Start Node Ref:S1.4A LEG 3 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.4A LEG 3	8865548	Comment / 0
0.00	WL	Water level 05% height/diameter	8865549	Comment / 0
4.29	OFF	Finish node type, outfall, reference RESTBEND	8865550	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.4A LEG 3



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**288**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.4A LEG 4**
End Node **RESTBEND**
Total length **8.69 metres**

Scale **1:0.46**
Direction **Upstream**

Start Node Ref:S1.4A LEG 4 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.4A LEG 4	8865551	Comment / 0
0.00	WL	Water level 05% height/diameter	8865552	Comment / 0
8.69	OFF	Finish node type, outfall, reference RESTBEND	8865553	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.4A LEG 4



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**ATTENUATIOX**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**289**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **300mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.7**
End Node **ATTENUATION TANK**
Total length **0.79 metres**

Scale **1:0.04**
Direction **Upstream**

Start Node Ref:S1.7 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.7	8865554	Comment / 0
0.00	WL	Water level 05% height/diameter	8865555	Comment / 0
0.79	OFF	Finish node type, outfall, reference ATTENUATION TANK	8865556	Comment / 0

End Node Ref:ATTENUATION TANK | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.7



Water level 05% height/diameter



Finish node type, outfall, reference ATTENUATION TANK

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**290**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.5**
End Node **RESTBEND**
Total length **4.74 metres**

Scale **1:0.25**
Direction **Upstream**

Start Node Ref:S1.5 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.5	8865557	Comment / 0
0.00	WL	Water level 05% height/diameter	8865558	Comment / 0
4.74	OFF	Finish node type, outfall, reference RESTBEND	8865559	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.5



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**291**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

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Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.5 LEG 1**
End Node **RESTBEND**
Total length **4.5 metres**

Scale **1:0.24**
Direction **Upstream**

Start Node Ref:S1.5 LEG 1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.5 LEG 1	8865560	Comment / 0
0.00	WL	Water level 05% height/diameter	8865561	Comment / 0
4.50	OFF	Finish node type, outfall, reference RESTBEND	8865562	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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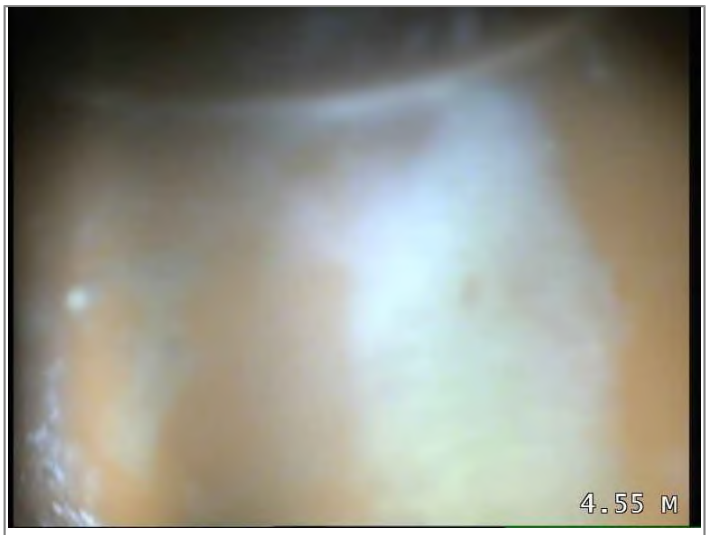
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.5 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.5 X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**292**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.5**
End Node **S1.7**
Total length **6.62 metres**

Scale **1:0.35**
Direction **Downstream**

Start Node Ref:S1.5 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.5	8865563	Comment / 0
0.00	WL	Water level 05% height/diameter	8865564	Comment / 0
6.62	MHF	Finish node type, manhole, reference S1.6	8865565	Comment / 0

End Node Ref:S1.7 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.5



Water level 05% height/diameter



Finish node type, manhole, reference S1.6

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**293**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.5 LEG 2**
End Node **RESTBEND**
Total length **1.31 metres**

Scale **1:0.07**
Direction **Upstream**

Start Node Ref:S1.5 LEG 2 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.5 LEG 2	8865566	Comment / 0
0.00	WL	Water level 05% height/diameter	8865567	Comment / 0
1.31	OFF	Finish node type, outfall, reference RESTBEND	8865568	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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CCTV Inspection Photos

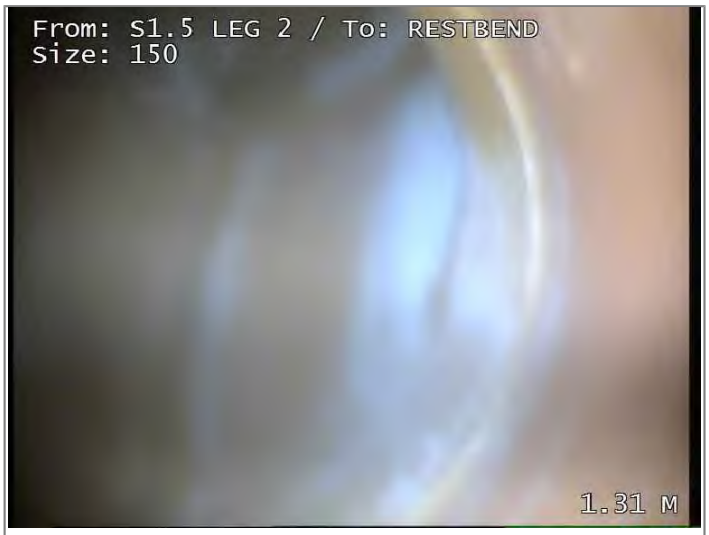
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.5 LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**294**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.7A**
End Node **RESTBEND**
Total length **9.55 metres**

Scale **1:0.50**
Direction **Upstream**

Start Node Ref:S1.7A | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.7A	8865569	Comment / 0
0.00	WL	Water level 05% height/diameter	8865570	Comment / 0
9.55	OFF	Finish node type, outfall, reference RESTBEND	8865571	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.7A



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**295**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.7A LEG 1**
End Node **RESTBEND**
Total length **3.05 metres**

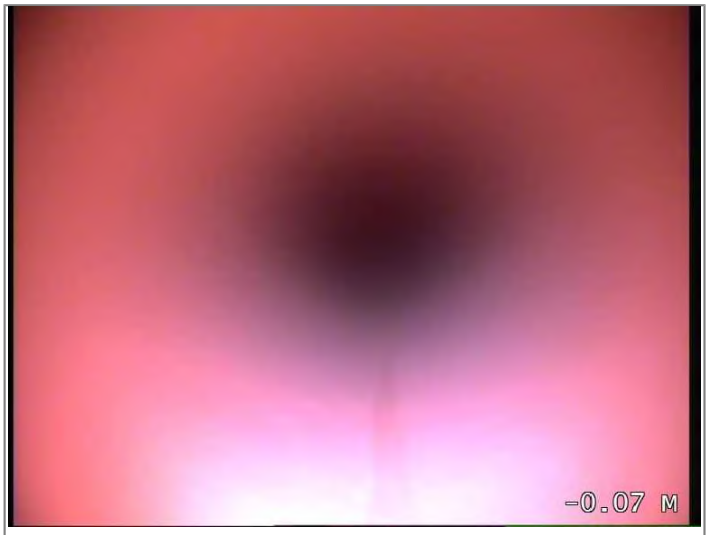
Scale **1:0.16**
Direction **Upstream**

Start Node Ref:S1.7A LEG 1 | I/L : metres

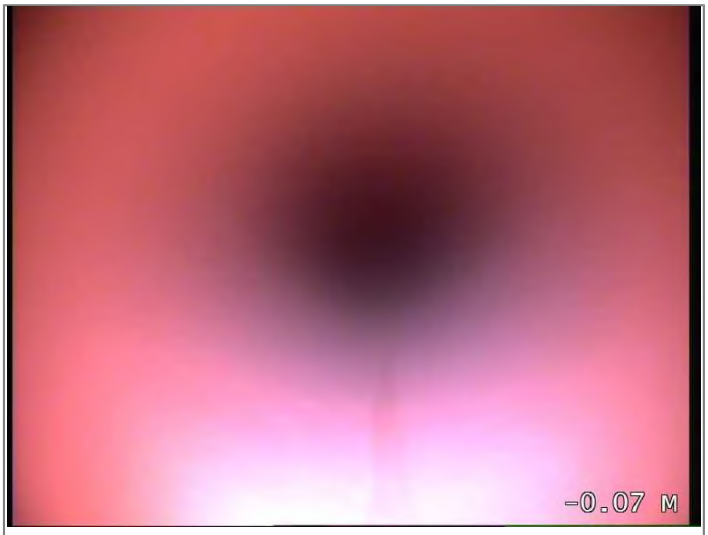
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.7A LEG 1	8865572	Comment / 0
0.00	WL	Water level 05% height/diameter	8865573	Comment / 0
3.05	OFF	Finish node type, outfall, reference RESTBEND	8865574	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.7A LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.7A X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**296**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.7A**
End Node **ATTENUATION TANK**
Total length **0.19 metres**

Scale **1:0.01**
Direction **Downstream**

Start Node Ref:S1.7A | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.7A	8865575	Comment / 0
0.00	WL	Water level 05% height/diameter	8865576	Comment / 0
0.19	OFF	Finish node type, outfall, reference ATTENUATION TANK	8865577	Comment / 0

End Node Ref:ATTENUATION TANK | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.7A



Water level 05% height/diameter



Finish node type, outfall, reference ATTENUATION TANK

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**297**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

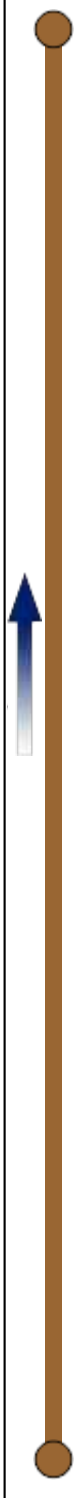
Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10B**
End Node **RESTBEND**
Total length **0 metres**

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

Start Node Ref:F2.10B | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10B	8865578	Comment / 0
0.00	WL	Water level 05% height/diameter	8865579	Comment / 0
0.00	GP	General photograph taken at this point - Remark: REDUCER AT TOP	8865580	Comment / 0



End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference F2.10B



Water level 05% height/diameter



General photograph taken at this point - Remark: REDUCER AT TOP

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**298**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10B LEG 1**
End Node **RESTBEND**
Total length **0 metres**

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

Start Node Ref:F2.10B LEG 1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10B LEG 1	8865581	Comment / 0
0.00	WL	Water level 05% height/diameter	8865582	Comment / 0
0.00	GP	General photograph taken at this point - Remark: REDUCER AT TOP	8865583	Comment / 0



End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference F2.10B LEG 1



Water level 05% height/diameter



General photograph taken at this point - Remark: REDUCER AT TOP

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**299**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **100mm**
Material **Polyvinyl chloride**
Category

Start Node **F2.10B LEG 2**
End Node **RESTBEND**
Total length **3.76 metres**

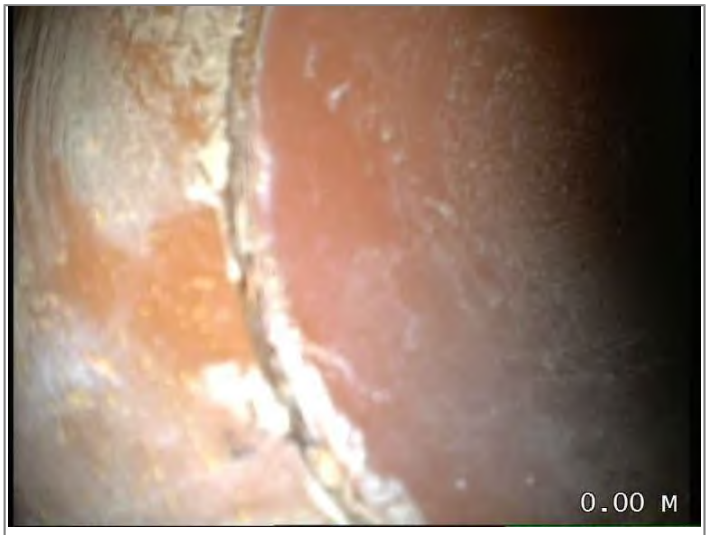
Scale **1:0.20**
Direction **Upstream**

Start Node Ref:F2.10B LEG 2 | I/L : metres

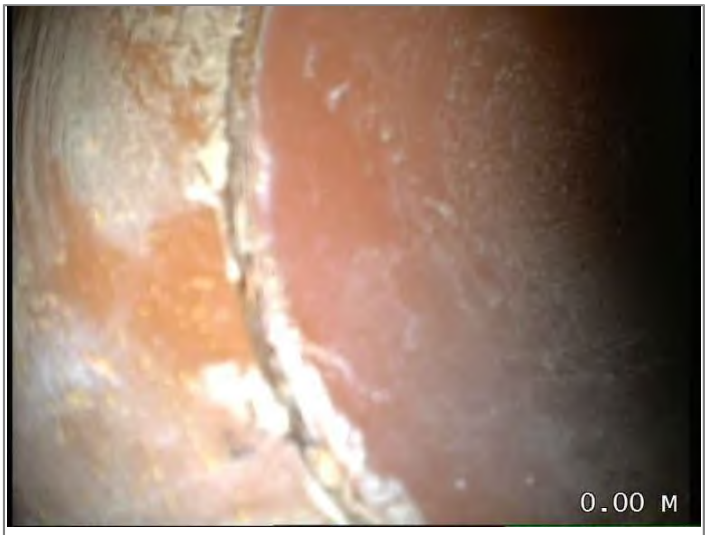
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F2.10B LEG 2	8865584	Comment / 0
0.00	WL	Water level 05% height/diameter	8865585	Comment / 0
0.00	LR	Line of drain/sewer deviates right	8865586	Comment / 0
2.88	LL	Line of drain/sewer deviates left	8865587	Comment / 0
3.76	OFF	Finish node type, outfall, reference RESTBEND	8865588	Comment / 0

End Node Ref:RESTBEND | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



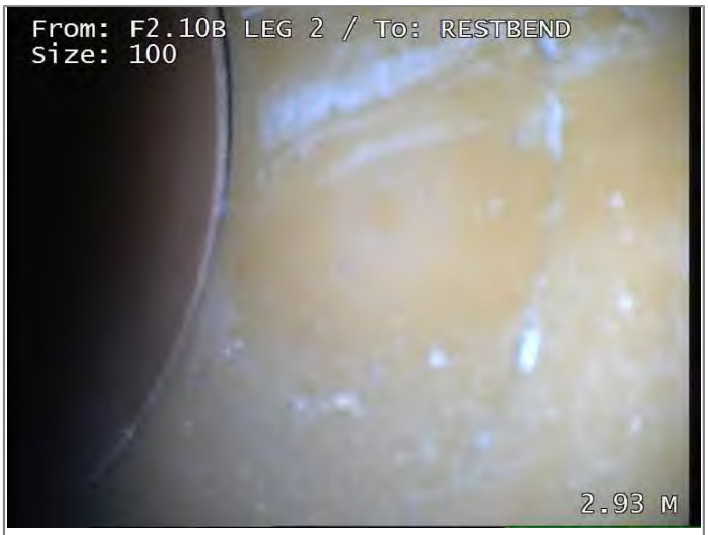
Start node type, manhole, reference F2.10B LEG 2



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates left



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**300**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.8**
End Node **RESTBEND**
Total length **0.67 metres**

Scale **1:0.04**
Direction **Upstream**

Start Node Ref:S1.8 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.8	8865589	Comment / 0
0.00	WL	Water level 05% height/diameter	8865590	Comment / 0
0.67	OFF	Finish node type, outfall, reference RESTBEND	8865591	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.8



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

CCTV Inspection Report

Buxton Water Limited
1a Maple Court
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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**301**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.8 LEG 1**
End Node **RESTBEND**
Total length **2.43 metres**

Scale **1:0.13**
Direction **Upstream**

Start Node Ref:S1.8 LEG 1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.8 LEG 1	8865592	Comment / 0
0.00	WL	Water level 05% height/diameter	8865593	Comment / 0
2.43	OFF	Finish node type, outfall, reference RESTBEND	8865594	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.8 LEG 1



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**S1.8 X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**302**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.8**
End Node **S1.7 - S1.29 CARRIER**
Total length **4.57 metres**

Scale **1:0.24**
Direction **Downstream**

Start Node Ref:S1.8 | I/L : metres

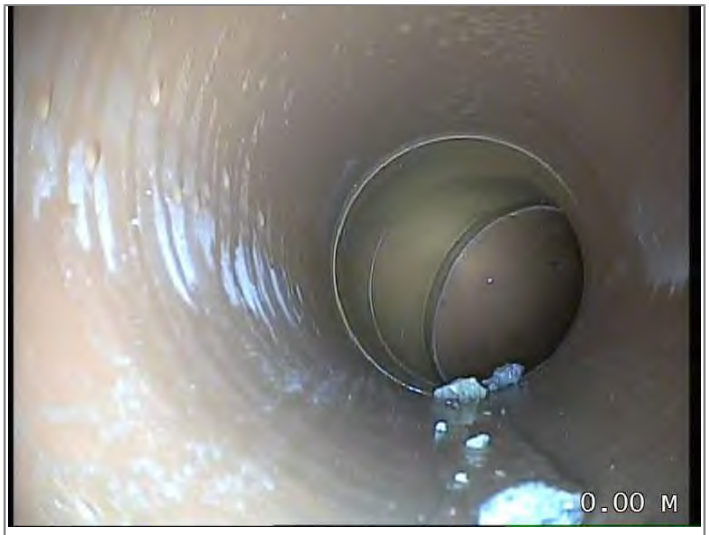
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.8	8865595	Comment / 0
0.00	WL	Water level 05% height/diameter	8865596	Comment / 0
0.33	LR	Line of drain/sewer deviates right	8865599	Comment / 0
2.52	LD	Line of drain/sewer deviates down	8865600	Comment / 0
4.57	OFF	Finish node type, outfall, reference S1.7 - S1.29 CARRIER	8865601	Comment / 0

End Node Ref:S1.7 - S1.29 CARRIER | I/L : metres

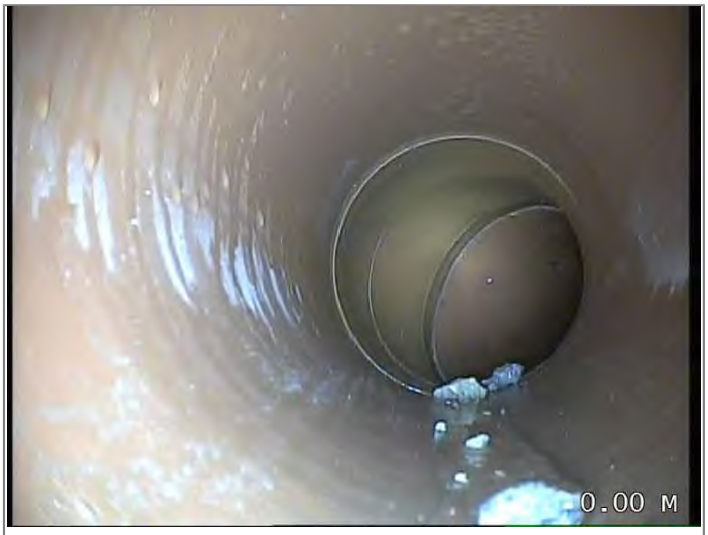
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.8



Water level 05% height/diameter



Line of drain/sewer deviates right



Line of drain/sewer deviates down



Finish node type, outfall, reference S1.7 - S1.29 CARRIER

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**RESTBEND X**	**24/11/2023**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**303**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Surface water**
Catchment

Shape/Size **150mm**
Material **Polyvinyl chloride**
Category

Start Node **S1.8 LEG 2**
End Node **RESTBEND**
Total length **3.24 metres**

Scale **1:0.17**
Direction **Upstream**

Start Node Ref:S1.8 LEG 2 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference S1.8 LEG 2	8865602	Comment / 0
0.00	WL	Water level 05% height/diameter	8865603	Comment / 0
3.24	OFF	Finish node type, outfall, reference RESTBEND	8865604	Comment / 0

End Node Ref:RESTBEND | I/L : metres

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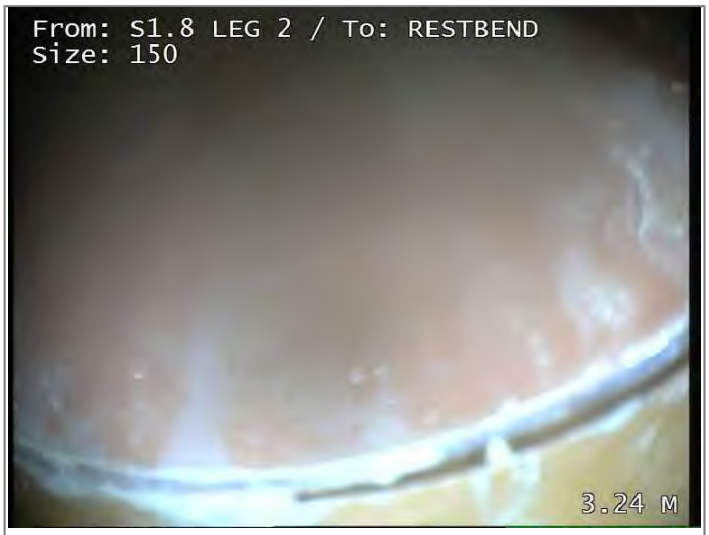
Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/11/2023**



Start node type, manhole, reference S1.8 LEG 2



Water level 05% height/diameter



Finish node type, outfall, reference RESTBEND

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Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.9 X**	**24/01/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**304**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.11**
End Node **F1.9**
Total length **6.95 metres**

Scale **1:0.36**
Direction **Upstream**

Start Node Ref:F1.11 | I/L : metres

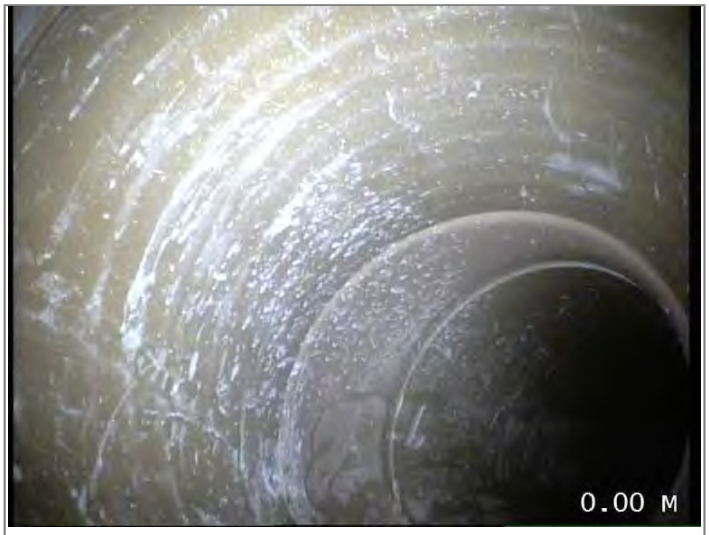
Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.11	9111035	Comment / 0
0.00	WL	Water level 05% height/diameter	9111036	Comment / 0
0.26	LR	Line of drain/sewer deviates right	9111039	Comment / 0
0.26	SC	Dimensions of drain/sewer changes to 150mm	9111041	Comment / 0
6.95	MHF	Finish node type, manhole, reference F1.9	9111043	Comment / 0

End Node Ref:F1.9 | I/L : metres

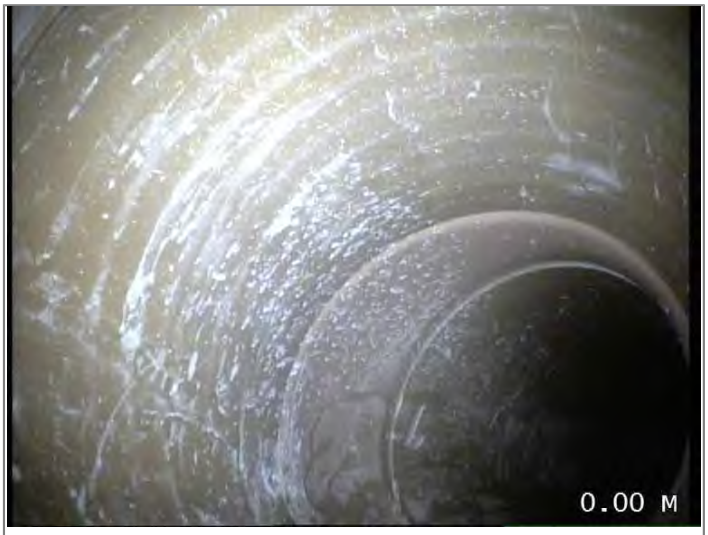
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Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/01/2024**



Start node type, manhole, reference F1.11



Water level 05% height/diameter



Line of drain/sewer deviates right



Dimensions of drain/sewer changes to 150mm



Finish node type, manhole, reference F1.9

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Skelmersdale
WN8 9TW

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.10 X**	**24/01/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**305**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.11 LEG1**
End Node **F1.10**
Total length **0.19 metres**

Scale **1:0.01**
Direction **Upstream**

Start Node Ref:F1.11 LEG1 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.11 LEG1	9111045	Comment / 0
0.00	WL	Water level 05% height/diameter	9111046	Comment / 0
0.19	SC	Dimensions of drain/sewer changes to 150mm	9111047	Comment / 0

End Node Ref:F1.10 | I/L : metres

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/01/2024**



Start node type, manhole, reference F1.11 LEG1



Water level 05% height/diameter



Dimensions of drain/sewer changes to 150mm

CCTV Inspection Report

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Surveyed by (Operator)	Job Number	Pipe Length Reference(PLR)	Date	Pre Cleaned
DAV McLAUGHLIN	**HS-20A01205/00029**	**F1.11 X**	**24/01/2024**	**HPWJ to clean prior to survey**
Weather	Customer Present	Service Grade/Structural Grade	Base Unit	Section Number
1 - Dry		**0/0**	**BGBF9QDTDU**	**306**

Road **VICTORIA RIVERSIDE**
Place **DANTZIC STREET**
Location **MANCHESTER**

Division
District
Location Details

Purpose
Duty **Foul**
Catchment

Shape/Size **225mm**
Material **Polyvinyl chloride**
Category

Start Node **F1.11**
End Node **F1.13**
Total length **5.95 metres**

Scale **1:0.31**
Direction **Downstream**

Start Node Ref:F1.11 | I/L : metres

Position	Code	Description	Photo	Type/Grade
0.00	MH	Start node type, manhole, reference F1.11	9111048	Comment / 0
0.00	WL	Water level 05% height/diameter	9111049	Comment / 0
5.52	LR	Line of drain/sewer deviates right	9111050	Comment / 0
5.95	MHF	Finish node type, manhole, reference F1.13	9111051	Comment / 0

End Node Ref:F1.13 | I/L : metres

CCTV Inspection Photos

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**24/01/2024**



Start node type, manhole, reference F1.11



Water level 05% height/diameter



Line of drain/sewer deviates right



Finish node type, manhole, reference F1.13

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Structural Defects (SRM 4)

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	UNKNOWN X	U	S	150	12/09/2023	Polyvinyl chloride	1.38 metres	1.38		0	1	0	0
2	S1.9 X	D	S	150	12/09/2023	Polyvinyl chloride	10.45 metres	10.45		0	1	0	0
3	HOPPER 1 X	D	S	150	12/09/2023	Polyvinyl chloride	1.81 metres	1.81		0	1	0	0
4	S1.10 X	D	S	150	12/09/2023	Polyvinyl chloride	13.4 metres	13.4		0	1	0	0
5	UNKNOWN X	U	S	150	12/09/2023	Polyvinyl chloride	4.71 metres	4.71		0	1	0	0
6	UNKNOWN X	U	S	150	12/09/2023	Polyvinyl chloride	2.86 metres	2.86		0	1	0	0
7	HOPPER 2 X	D	S	150	12/09/2023	Polyvinyl chloride	3.31 metres	3.31		0	1	0	0
8	HOPPER 3 X	D	S	150	12/09/2023	Polyvinyl chloride	2.38 metres	2.38		0	1	0	0
9	HOPPER 4 X	D	S	150	12/09/2023	Polyvinyl chloride	2 metres	2		0	1	0	0
10	UNKNOWN X	U	S	150	12/09/2023	Polyvinyl chloride	9.14 metres	9.14		0	1	0	0
11	S1.11 X	D	S	150	12/09/2023	Polyvinyl chloride	22.36 metres	22.36		0	1	0	0
12	HOPPER 6 X	D	S	150	12/09/2023	Polyvinyl chloride	2.05 metres	2.05		0	1	0	0
13	HOPPER 7 X	D	S	150	12/09/2023	Polyvinyl chloride	2.02 metres	2.02		0	1	0	0
14	HOPPER 8 X	D	S	150	12/09/2023	Polyvinyl chloride	2.83 metres	2.83		0	1	0	0
15	HOPPER 9 X	D	S	150	12/09/2023	Polyvinyl chloride	3.17 metres	3.17		0	1	0	0
16	HOPPER 10 X	D	S	150	12/09/2023	Polyvinyl chloride	2.29 metres	2.29		0	1	0	0
17	HOPPER 11 X	D	S	150	12/09/2023	Polyvinyl chloride	3.17 metres	3.17		0	1	0	0
18	HOPPER 12 X	D	S	150	12/09/2023	Polyvinyl chloride	2.69 metres	2.69		0	1	0	0
19	HOPPER 13 X	D	S	150	12/09/2023	Polyvinyl chloride	2.05 metres	2.05		0	1	0	0
20	UNKNOWN X	U	F	150	13/09/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
21	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	7.12 metres	7.12		0	1	0	0
22	UNKNOWN X	U	F	150	13/09/2023	Polyvinyl chloride	0.12 metres	0.12		0	1	0	0
23	F2.0 X	D	F	150	13/09/2023	Polyvinyl chloride	5.83 metres	5.83		0	1	0	0
24	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	6.1 metres	6.1		0	1	0	0
25	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	5.83 metres	5.83		0	1	0	0
26	F2.1 X	D	F	150	13/09/2023	Polyvinyl chloride	4.19 metres	4.19		0	1	0	0
27	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	6.38 metres	6.38		0	1	0	0
28	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	0.1 metres	0.1		0	1	0	0
29	F2.2 X	D	F	150	13/09/2023	Polyvinyl chloride	2.86 metres	2.86		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
30	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	9.05 metres	9.05		0	1	0	0
31	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	9.02 metres	9.02		0	1	0	0
32	F2.3 X	D	F	150	13/09/2023	Polyvinyl chloride	8.64 metres	8.64		0	1	0	0
33	F2.5 X	D	F	150	13/09/2023	Polyvinyl chloride	5.43 metres	5.43		0	1	0	0
34	F2.7 X	D	F	150	13/09/2023	Polyvinyl chloride	6.64 metres	6.64		0	1	0	0
35	F2.4 X	D	F	150	13/09/2023	Polyvinyl chloride	4.43 metres	4.43		0	1	0	0
36	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	3.98 metres	3.98		0	1	0	0
37	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	2.71 metres	2.71		0	1	0	0
38	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	1.76 metres	1.76		0	1	0	0
39	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	2.24 metres	2.24		0	1	0	0
40	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	4.14 metres	4.14		0	1	0	0
41	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	3.74 metres	3.74		0	1	0	0
42	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	1.43 metres	1.43		0	1	0	0
43	F2.6A X	D	F	150	13/09/2023	Polyvinyl chloride	0.9 metres	0.9		0	1	0	0
44	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	5.64 metres	5.64		0	1	0	0
45	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	5.52 metres	5.52		0	1	0	0
46	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	2.69 metres	2.69		0	1	0	0
47	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	2.36 metres	2.36		0	1	0	0
48	F2.6 X	D	F	150	13/09/2023	Polyvinyl chloride	2.52 metres	2.52		0	1	0	0
49	F2.9 X	D	F	225	13/09/2023	Polyvinyl chloride	3.79 metres	3.79		0	1	0	0
50	F2.8 X	U	F	150	13/09/2023	Polyvinyl chloride	4.02 metres	4.02		0	1	0	0
51	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	3.57 metres	3.57		0	1	0	0
52	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	3.64 metres	3.64		0	1	0	0
53	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	2.98 metres	2.98		0	1	0	0
54	RESTBEND	U	F	100	13/09/2023	Polyvinyl chloride	1.26 metres	1.26		0	1	0	0
55	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	0.98 metres	0.98		0	1	0	0
56	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	1.5 metres	1.5		0	1	0	0
57	F2.10B X	U	F	150	13/09/2023	Polyvinyl chloride	6.05 metres	6.05		0	1	0	0
58	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	0.62 metres	0.62		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
59	F2.10A X	D	F	150	13/09/2023	Polyvinyl chloride	3.86 metres	3.86		0	1	0	0
60	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	4.74 metres	4.74		0	1	0	0
61	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	1.19 metres	1.19		0	1	0	0
62	F2.16A X	D	F	150	13/09/2023	Polyvinyl chloride	5.02 metres	5.02		0	1	0	0
63	F2.16 X	D	F	225	13/09/2023	Polyvinyl chloride	10.88 metres	10.88		0	1	0	0
64	F2.15 X	U	F	150	13/09/2023	Polyvinyl chloride	2.14 metres	2.14		0	1	0	0
65	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	5.79 metres	5.79		0	1	0	0
66	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	1.21 metres	1.21		0	1	0	0
67	F2.16B X	D	F	150	14/09/2023	Polyvinyl chloride	1.6 metres	1.6		0	1	0	0
68	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	3.79 metres	3.79		0	1	0	0
69	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
70	F2.17 X	D	F	300	14/09/2023	Polyvinyl chloride	13.74 metres	13.74		0	1	0	0
71	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	1.9 metres	1.9		0	1	0	0
72	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	1.6 metres	1.6		0	1	0	0
73	F2.17A X	D	F	150	14/09/2023	Polyvinyl chloride	2.07 metres	2.07		0	1	0	0
74	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	0.67 metres	0.67		0	1	0	0
75	RESTBEND X	U	F	100	14/09/2023	Polyvinyl chloride	4.17 metres	4.17		0	1	0	0
76	F2.10 X	D	F	150	14/09/2023	Polyvinyl chloride	3.4 metres	3.4		0	1	0	0
77	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	4.14 metres	4.14		0	1	0	0
78	UNKNOWN X	U	F	150	14/09/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
79	RESTBEND X	U	F	100	14/09/2023	Polyvinyl chloride	2.62 metres	2.62		0	1	0	0
80	F2.11 X	D	F	225	14/09/2023	Polyvinyl chloride	10.74 metres	10.74		0	1	0	0
81	F2.13 X	D	F	225	14/09/2023	Polyvinyl chloride	8.36 metres	8.36		0	1	0	0
82	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	0.9 metres	0.9		0	1	0	0
83	F2.12 (INAX	U	F	150	14/09/2023	Polyvinyl chloride	7.24 metres	7.24		0	1	0	0
84	F2.14A (INX	U	F	150	14/09/2023	Polyvinyl chloride	3.14 metres	3.14		0	1	0	0
85	RESTBEND X	U	F	100	14/09/2023	Polyvinyl chloride	3.31 metres	3.31		0	1	0	0
86	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	0.38 metres	0.38		0	1	0	0
87	S1.1 (INACX	U	S	150	14/09/2023	Polyvinyl chloride	2.67 metres	2.67		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
88	S1.2 X	D	S	150	14/09/2023	Polyvinyl chloride	6.05 metres	6.05		0	1	0	0
89	RESTBEND X	U	S	150	14/09/2023	Polyvinyl chloride	1.26 metres	1.26		0	1	0	0
90	S1.2A X	D	S	150	14/09/2023	Polyvinyl chloride	8.93 metres	8.93		0	1	0	0
91	F1.16 (INAX	U	F	150	15/09/2023	Polyvinyl chloride	4.24 metres	4.24		0	1	0	0
92	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5 metres	5		0	1	0	0
93	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	1.17 metres	1.17		0	1	0	0
94	F1.17 X	D	F	225	15/09/2023	Polyvinyl chloride	14.74 metres	14.74		0	1	0	0
95	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5.26 metres	5.26		0	1	0	0
96	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	2.14 metres	2.14		0	1	0	0
97	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	1.38 metres	1.38		0	1	0	0
98	F1.19 (INAX	U	F	150	15/09/2023	Polyvinyl chloride	4.52 metres	4.52		0	1	0	0
99	F1.28 X	D	F	225	15/09/2023	Polyvinyl chloride	4.17 metres	4.17		0	1	0	0
100	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	9.29 metres	9.29		0	1	0	0
101	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	6.21 metres	6.21		0	1	0	0
102	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	11.5 metres	11.5		0	1	0	0
103	F1.21 X	D	F	225	15/09/2023	Polyvinyl chloride	4.29 metres	3.26		0	1	0	0
104	RESTBEND	U	F	100	15/09/2023	Polyvinyl chloride	1.6 metres	1.6		0	1	0	0
105	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5.36 metres	5.36		0	1	0	0
106	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5.38 metres	5.38		0	1	0	0
107	F1.22 X	D	F	225	15/09/2023	Polyvinyl chloride	11.31 metres	11.31		0	1	0	0
108	F1.15 (INAX	U	F	225	15/09/2023	Polyvinyl chloride	0.48 metres	0		0	1	0	0
109	F1.13 X	D	F	225	15/09/2023	Polyvinyl chloride	5.57 metres	5.57		0	1	0	0
110	F1.12 (INAX	U	F	225	15/09/2023	Polyvinyl chloride	3.69 metres	3.69		0	1	0	0
111	F1.11 (INAX	U	F	225	15/09/2023	Polyvinyl chloride	6.62 metres	6.62		0	1	0	0
112	RESTBEND X	U	F	225	15/09/2023	Polyvinyl chloride	3.6 metres	3.6		0	1	0	0
113	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	3.74 metres	3.74		0	1	0	0
114	F1.25 X	U	F	150	15/09/2023	Polyvinyl chloride	3.43 metres	3.43		0	1	0	0
115	F1.4 X	D	F	150	15/09/2023	Polyvinyl chloride	1.6 metres	1.6		0	1	0	0
116	F1.3 X	U	F	150	15/09/2023	Polyvinyl chloride	6.5 metres	6.5		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
117	F.1.24 (INX	U	F	150	15/09/2023	Polyvinyl chloride	1.45 metres	1.45		0	1	0	0
118	F1.5 (INACX	U	F	225	15/09/2023	Polyvinyl chloride	2.12 metres	2.12		0	1	0	0
119	F1.6 X	D	F	225	15/09/2023	Polyvinyl chloride	12.33 metres	12.33		0	1	0	0
120	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	6.45 metres	6.45		0	1	0	0
121	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	3.45 metres	3.45		0	1	0	0
122	F1.8 X	D	F	150	15/09/2023	Polyvinyl chloride	0.86 metres	0.86		0	1	0	0
123	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	3.64 metres	3.64		0	1	0	0
124	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5.57 metres	5.57		0	1	0	0
125	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	3.95 metres	3.95		0	1	0	0
126	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	0.45 metres	0.45		0	1	0	0
127	F1.26 X	D	F	100	15/09/2023	Polyvinyl chloride	8.6 metres	8.6		0	1	0	0
128	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	6.74 metres	6.74		0	1	0	0
129	F1.0	D	F	150	15/09/2023	Polyvinyl chloride	9.1 metres	9.1		0	1	0	0
130	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	3.6 metres	3.6		0	1	0	0
131	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	1.48 metres	1.48		0	1	0	0
132	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	4.1 metres	4.1		0	1	0	0
133	F1.2 (INAC	U	F	150	15/09/2023	Polyvinyl chloride	11.6 metres	11.6		0	1	0	0
134	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	2 metres	2		0	1	0	0
135	F1.52 X	U	F	150	15/09/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
136	F1.54	U	F	150	15/09/2023	Polyvinyl chloride	3.76 metres	3.76		0	1	0	0
137	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	8.36 metres	8.36		0	1	0	0
138	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	0.5 metres	0.5		0	1	0	0
139	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	4.57 metres	4.57		0	1	0	0
140	F1.52	U	F	150	15/09/2023	Polyvinyl chloride	0.69 metres	0.69		0	1	0	0
141	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	0.12 metres	0.12		0	1	0	0
142	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	5.26 metres	5.26		0	1	0	0
143	F1.54 X	D	F	150	15/09/2023	Polyvinyl chloride	9.83 metres	9.83		0	1	0	0
144	RESTBEND X	U	S	225	15/09/2023	Polyvinyl chloride	15.36 metres	15.36		0	1	0	0
145	RESTBEND X	U	S	225	15/09/2023	Polyvinyl chloride	3.83 metres	3.83		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
146	S1.21B X	D	S	225	15/09/2023	Polyvinyl chloride	15.12 metres	15.12		0	1	0	0
147	RESTBEND X	U	S	225	15/09/2023	Polyvinyl chloride	11.26 metres	11.26		0	1	0	0
148	RESTBEND X	U	S	225	15/09/2023	Polyvinyl chloride	0.83 metres	0.83		0	1	0	0
149	S1.21 X	D	S	225	15/09/2023	Polyvinyl chloride	4.62 metres	4.62		0	1	0	0
150	F1.56 X	D	F	150	18/09/2023	Polyvinyl chloride	7.86 metres	7.86		0	1	0	0
151	RESTBEND X	U	F	150	18/09/2023	Polyvinyl chloride	3.5 metres	3.5		0	1	0	0
152	S1.22 X	D	S	225	18/09/2023	Polyvinyl chloride	7.83 metres	7.83		0	1	0	0
153	RESTBEND X	U	S	225	18/09/2023	Polyvinyl chloride	4.38 metres	4.38		0	1	0	0
154	S1.23 X	D	S	225	18/09/2023	Polyvinyl chloride	26.93 metres	26.93		0	1	0	0
155	RESTBEND X	U	S	225	18/09/2023	Polyvinyl chloride	4.48 metres	4.48		0	1	0	0
156	SITE 2 HOPX	D	F	100	18/09/2023	Polyvinyl chloride	5.86 metres	5.86		0	1	0	0
157	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	7.19 metres	7.19		0	1	0	0
158	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.19 metres	3.19		0	1	0	0
159	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.24 metres	3.24		0	1	0	0
160	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	4.1 metres	4.1		0	1	0	0
161	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	2.93 metres	2.93		0	1	0	0
162	SITE 2 HOPX	D	F	100	18/09/2023	Polyvinyl chloride	4.62 metres	4.62		0	1	0	0
163	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.21 metres	3.21		0	1	0	0
164	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.1 metres	3.1		0	1	0	0
165	SITE 2 HOPX	D	F	100	18/09/2023	Polyvinyl chloride	7.43 metres	7.43		0	1	0	0
166	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.55 metres	3.55		0	1	0	0
167	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.67 metres	3.67		0	1	0	0
168	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.74 metres	3.74		0	1	0	0
169	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.55 metres	3.55		0	1	0	0
170	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	4.1 metres	4.1		0	1	0	0
171	S1.24 X	D	S	225	18/09/2023	Polyvinyl chloride	17.17 metres	17.17		0	1	0	0
172	S1.3 X	D	S	300	27/10/2023	Polyvinyl chloride	31.57 metres	31.57		0	1	0	0
173	S1.0A X	U	S	300	27/10/2023	Polyvinyl chloride	5.81 metres	5.81		0	1	0	0
174	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	9.07 metres	9.07		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
175	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	3.5 metres	3.5		0	1	0	0
176	F2.20A X	D	F	225	27/10/2023	Polyvinyl chloride	4.4 metres	4.4		0	1	0	0
177	S1.0 (BURIX	U	S	300	27/10/2023	Polyvinyl chloride	2.48 metres	2.48		0	1	0	0
178	RESTBEND X	U	S	150	27/10/2023	Polyvinyl chloride	10.24 metres	10.24		0	1	0	0
179	F2.19 X	D	F	150	27/10/2023	Polyvinyl chloride	15.31 metres	15.31		0	1	0	0
180	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	1.88 metres	1.88		0	1	0	0
181	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	3.57 metres	3.57		0	1	0	0
182	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	4.74 metres	4.74		0	1	0	0
183	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	1.74 metres	1.74		0	1	0	0
184	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	3.26 metres	3.26		0	1	0	0
185	F2.18 X	D	F	150	27/10/2023	Polyvinyl chloride	1.69 metres	1.69		0	1	0	0
186	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	2.83 metres	2.83		0	1	0	0
187	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	0.95 metres	0.95		0	1	0	0
188	F2.18A X	D	F	150	27/10/2023	Polyvinyl chloride	2.12 metres	2.12		0	1	0	0
189	RESTBEND	U	F	100	27/10/2023	Polyvinyl chloride	1.93 metres	1.93		0	1	0	0
190	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	6 metres	6		0	1	0	0
191	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	2.62 metres	2.62		0	1	0	0
192	F2.19 X	U	F	150	27/10/2023	Polyvinyl chloride	0.9 metres	0.9		0	1	0	0
193	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
194	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	2.55 metres	2.55		0	1	0	0
195	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	1.26 metres	1.26		0	1	0	0
196	F2.14 X	D	F	150	27/10/2023	Polyvinyl chloride	1 metres	1		0	1	0	0
197	F2.14 LEG X	D	F	150	27/10/2023	Polyvinyl chloride	3.24 metres	3.24		0	1	0	0
198	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	0.64 metres	0.64		0	1	0	0
199	RESTBEND	U	F	150	27/10/2023	Polyvinyl chloride	0.64 metres	0.64		0	1	0	0
200	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
201	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
202	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	1.83 metres	1.83		0	1	0	0
203	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	2.74 metres	2.74		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
204	F2.12A X	D	F	150	27/10/2023	Polyvinyl chloride	4.19 metres	4.19		0	1	0	0
205	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	6.86 metres	6.86		0	1	0	0
206	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	1.21 metres	1.21		0	1	0	0
207	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	2.55 metres	2.55		0	1	0	0
208	S1.27 X	U	S	300	27/10/2023	Polyvinyl chloride	9.69 metres	9.69		0	1	0	0
209	RIVER X	U	S	300	27/10/2023	Polyvinyl chloride	14.36 metres	0		0	1	0	0
210	RIVER X	U	S	300	27/10/2023	Polyvinyl chloride	19.64 metres	0		0	1	0	0
211	F1.14 (INAX	U	F	150	30/10/2023	Polyvinyl chloride	7 metres	7		0	1	0	0
212	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	11.02 metres	11.02		0	1	0	0
213	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.67 metres	4.67		0	1	0	0
214	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	6.55 metres	6.55		0	1	0	0
215	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.95 metres	4.95		0	1	0	0
216	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	5.98 metres	5.98		0	1	0	0
217	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	4.07 metres	4.07		0	1	0	0
218	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
219	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	4.1 metres	4.1		0	1	0	0
220	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.05 metres	0.05		0	1	0	0
221	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.36 metres	4.36		0	1	0	0
222	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	4.12 metres	4.12		0	1	0	0
223	F1.10 X	D	F	150	30/10/2023	Polyvinyl chloride	3.1 metres	3.1		0	1	0	0
224	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.1 metres	0.1		0	1	0	0
225	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	0.02 metres	0.02		0	1	0	0
226	F1.9 X	U	F	225	30/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
227	F1.11 X	D	F	225	30/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
228	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.48 metres	0.48		0	1	0	0
229	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	5.26 metres	5.26		0	1	0	0
230	F1.27 X	D	F	150	30/10/2023	Polyvinyl chloride	8.36 metres	8.36		0	1	0	0
231	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	6.12 metres	6.12		0	1	0	0
232	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	5.79 metres	5.79		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
233	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	2.36 metres	2.36		0	1	0	0
234	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	1.79 metres	1.79		0	1	0	0
235	F1.7 X	D	F	150	30/10/2023	Polyvinyl chloride	0.6 metres	0.6		0	1	0	0
236	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	3.07 metres	3.07		0	1	0	0
237	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	3.02 metres	3.02		0	1	0	0
238	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.98 metres	4.98		0	1	0	0
239	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.55 metres	0.55		0	1	0	0
240	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	1.4 metres	1.4		0	1	0	0
241	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	1.19 metres	1.19		0	1	0	0
242	F1.2 X	U	F	150	30/10/2023	Polyvinyl chloride	5.67 metres	5.67		0	1	0	0
243	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	5.24 metres	5.24		0	1	0	0
244	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	8.48 metres	8.48		0	1	0	0
245	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	1.31 metres	1.31		0	1	0	0
246	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	7.07 metres	7.07		0	1	0	0
247	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	8.69 metres	8.69		0	1	0	0
248	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	3.9 metres	3.9		0	1	0	0
249	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	3.83 metres	3.83		0	1	0	0
250	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	5.81 metres	5.81		0	1	0	0
251	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	5.31 metres	5.31		0	1	0	0
252	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.67 metres	4.67		0	1	0	0
253	F1.18 X	D	F	150	30/10/2023	Polyvinyl chloride	10.55 metres	10.55		0	1	0	0
254	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	2.67 metres	2.67		0	1	0	0
255	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	5.88 metres	5.88		0	1	0	0
256	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	0.45 metres	0.45		0	1	0	0
257	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.02 metres	0.02		0	1	0	0
258	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.71 metres	0.71		0	1	0	0
259	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	1.07 metres	1.07		0	1	0	0
260	SITE 2 HOPX	D	S	150	30/10/2023	Polyvinyl chloride	5.14 metres	5.14		0	1	0	0
261	S1.13 X	D	S	150	23/11/2023	Polyvinyl chloride	12.86 metres	12.86		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
262	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	5.05 metres	5.05		0	1	0	0
263	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	5.76 metres	5.76		0	1	0	0
264	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	13.21 metres	13.21		0	1	0	0
265	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	7.98 metres	7.98		0	1	0	0
266	S1.15 X	D	S	150	23/11/2023	Polyvinyl chloride	11.71 metres	11.71		0	1	0	0
267	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	12.52 metres	12.52		0	1	0	0
268	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	5.26 metres	5.26		0	1	0	0
269	S1.29 X	D	S	150	23/11/2023	Polyvinyl chloride	4.83 metres	4.83		0	1	0	0
270	S1.14 X	D	S	225	23/11/2023	Polyvinyl chloride	18.81 metres	18.81		0	1	0	0
271	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	10.74 metres	10.74		0	1	0	0
272	RESTBEND X	U	S	100	23/11/2023	Polyvinyl chloride	6.67 metres	6.67		0	1	0	0
273	S1.16 X	D	S	150	23/11/2023	Polyvinyl chloride	11.31 metres	11.31		0	1	0	0
274	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	4.64 metres	4.64		0	1	0	0
275	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	1.93 metres	1.93		0	1	0	0
276	S1.17 X	D	S	225	23/11/2023	Polyvinyl chloride	4.31 metres	4.31		0	1	0	0
277	S1.18 X	U	S	150	23/11/2023	Polyvinyl chloride	12.71 metres	12.71		0	1	0	0
278	ATTENUATIOXU		S	150	23/11/2023	Polyvinyl chloride	2.9 metres	2.9		0	1	0	0
279	S1.19 X	D	S	150	23/11/2023	Polyvinyl chloride	3.21 metres	3.21		0	1	0	0
280	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	2.36 metres	2.36		0	1	0	0
281	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	3.88 metres	3.88		0	1	0	0
282	S1.20 X	D	S	300	23/11/2023	Polyvinyl chloride	10.67 metres	10.67		0	1	0	0
283	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	5.48 metres	5.48		0	1	0	0
284	CAPPED X	U	S	150	23/11/2023	Polyvinyl chloride	0.4 metres	0.4		0	1	0	0
285	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	2.71 metres	2.71		0	1	0	0
286	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	6.69 metres	6.69		0	1	0	0
287	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	4.29 metres	4.29		0	1	0	0
288	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	8.69 metres	8.69		0	1	0	0
289	ATTENUATIOXU		S	300	24/11/2023	Polyvinyl chloride	0.79 metres	0.79		0	1	0	0
290	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	4.74 metres	4.74		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
291	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	4.5 metres	4.5		0	1	0	0
292	S1.5 X	D	S	150	24/11/2023	Polyvinyl chloride	6.62 metres	6.62		0	1	0	0
293	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	1.31 metres	1.31		0	1	0	0
294	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	9.55 metres	9.55		0	1	0	0
295	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	3.05 metres	3.05		0	1	0	0
296	S1.7A X	D	S	150	24/11/2023	Polyvinyl chloride	0.19 metres	0.19		0	1	0	0
297	RESTBEND X	U	F	150	24/11/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
298	RESTBEND X	U	F	150	24/11/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
299	RESTBEND X	U	F	100	24/11/2023	Polyvinyl chloride	3.76 metres	3.76		0	1	0	0
300	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	0.67 metres	0.67		0	1	0	0
301	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	2.43 metres	2.43		0	1	0	0
302	S1.8 X	D	S	150	24/11/2023	Polyvinyl chloride	4.57 metres	4.57		0	1	0	0
303	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	3.24 metres	3.24		0	1	0	0
304	F1.9 X	U	F	225	24/01/2024	Polyvinyl chloride	6.95 metres	6.95		0	1	0	0
305	F1.10 X	U	F	225	24/01/2024	Polyvinyl chloride	0.19 metres	0.19		0	1	0	0
306	F1.11 X	D	F	225	24/01/2024	Polyvinyl chloride	5.95 metres	5.95		0	1	0	0

BUXTONWATER

Service Defects (SRM 4)

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
1	UNKNOWN X	U	S	150	12/09/2023	Polyvinyl chloride	1.38 metres	1.38		0	1	0	0
2	S1.9 X	D	S	150	12/09/2023	Polyvinyl chloride	10.45 metres	10.45		0	1	0	0
3	HOPPER 1 X	D	S	150	12/09/2023	Polyvinyl chloride	1.81 metres	1.81		0	1	0	0
4	S1.10 X	D	S	150	12/09/2023	Polyvinyl chloride	13.4 metres	13.4		0	1	0	0
5	UNKNOWN X	U	S	150	12/09/2023	Polyvinyl chloride	4.71 metres	4.71		0	1	0	0
6	UNKNOWN X	U	S	150	12/09/2023	Polyvinyl chloride	2.86 metres	2.86		0	1	0	0
7	HOPPER 2 X	D	S	150	12/09/2023	Polyvinyl chloride	3.31 metres	3.31		0	1	0	0
8	HOPPER 3 X	D	S	150	12/09/2023	Polyvinyl chloride	2.38 metres	2.38		0	1	0	0
9	HOPPER 4 X	D	S	150	12/09/2023	Polyvinyl chloride	2 metres	2		0	1	0	0
10	UNKNOWN X	U	S	150	12/09/2023	Polyvinyl chloride	9.14 metres	9.14		0	1	0	0
11	S1.11 X	D	S	150	12/09/2023	Polyvinyl chloride	22.36 metres	22.36		0	1	0	0
12	HOPPER 6 X	D	S	150	12/09/2023	Polyvinyl chloride	2.05 metres	2.05		0	1	0	0
13	HOPPER 7 X	D	S	150	12/09/2023	Polyvinyl chloride	2.02 metres	2.02		0	1	0	0
14	HOPPER 8 X	D	S	150	12/09/2023	Polyvinyl chloride	2.83 metres	2.83		0	1	0	0
15	HOPPER 9 X	D	S	150	12/09/2023	Polyvinyl chloride	3.17 metres	3.17		0	1	0	0
16	HOPPER 10 X	D	S	150	12/09/2023	Polyvinyl chloride	2.29 metres	2.29		0	1	0	0
17	HOPPER 11 X	D	S	150	12/09/2023	Polyvinyl chloride	3.17 metres	3.17		0	1	0	0
18	HOPPER 12 X	D	S	150	12/09/2023	Polyvinyl chloride	2.69 metres	2.69		0	1	0	0
19	HOPPER 13 X	D	S	150	12/09/2023	Polyvinyl chloride	2.05 metres	2.05		0	1	0	0
20	UNKNOWN X	U	F	150	13/09/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
21	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	7.12 metres	7.12		0	1	0	0
22	UNKNOWN X	U	F	150	13/09/2023	Polyvinyl chloride	0.12 metres	0.12		0	1	0	0
23	F2.0 X	D	F	150	13/09/2023	Polyvinyl chloride	5.83 metres	5.83		0	1	0	0
24	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	6.1 metres	6.1		0	1	0	0
25	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	5.83 metres	5.83		0	1	0	0
26	F2.1 X	D	F	150	13/09/2023	Polyvinyl chloride	4.19 metres	4.19		0	1	0	0
27	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	6.38 metres	6.38		0	1	0	0
28	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	0.1 metres	0.1		0	1	0	0
29	F2.2 X	D	F	150	13/09/2023	Polyvinyl chloride	2.86 metres	2.86		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
30	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	9.05 metres	9.05		0	1	0	0
31	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	9.02 metres	9.02		0	1	0	0
32	F2.3 X	D	F	150	13/09/2023	Polyvinyl chloride	8.64 metres	8.64		0	1	0	0
33	F2.5 X	D	F	150	13/09/2023	Polyvinyl chloride	5.43 metres	5.43		0	1	0	0
34	F2.7 X	D	F	150	13/09/2023	Polyvinyl chloride	6.64 metres	6.64		0	1	0	0
35	F2.4 X	D	F	150	13/09/2023	Polyvinyl chloride	4.43 metres	4.43		0	1	0	0
36	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	3.98 metres	3.98		0	1	0	0
37	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	2.71 metres	2.71		0	1	0	0
38	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	1.76 metres	1.76		0	1	0	0
39	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	2.24 metres	2.24		0	1	0	0
40	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	4.14 metres	4.14		0	1	0	0
41	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	3.74 metres	3.74		0	1	0	0
42	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	1.43 metres	1.43		0	1	0	0
43	F2.6A X	D	F	150	13/09/2023	Polyvinyl chloride	0.9 metres	0.9		0	1	0	0
44	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	5.64 metres	5.64		0	1	0	0
45	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	5.52 metres	5.52		0	1	0	0
46	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	2.69 metres	2.69		0	1	0	0
47	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	2.36 metres	2.36		0	1	0	0
48	F2.6 X	D	F	150	13/09/2023	Polyvinyl chloride	2.52 metres	2.52		0	1	0	0
49	F2.9 X	D	F	225	13/09/2023	Polyvinyl chloride	3.79 metres	3.79		0	1	0	0
50	F2.8 X	U	F	150	13/09/2023	Polyvinyl chloride	4.02 metres	4.02		0	1	0	0
51	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	3.57 metres	3.57		0	1	0	0
52	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	3.64 metres	3.64		0	1	0	0
53	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	2.98 metres	2.98		0	1	0	0
54	RESTBEND	U	F	100	13/09/2023	Polyvinyl chloride	1.26 metres	1.26		0	1	0	0
55	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	0.98 metres	0.98		0	1	0	0
56	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	1.5 metres	1.5		0	1	0	0
57	F2.10B X	U	F	150	13/09/2023	Polyvinyl chloride	6.05 metres	6.05		0	1	0	0
58	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	0.62 metres	0.62		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
59	F2.10A X	D	F	150	13/09/2023	Polyvinyl chloride	3.86 metres	3.86		0	1	0	0
60	RESTBEND X	U	F	100	13/09/2023	Polyvinyl chloride	4.74 metres	4.74		0	1	0	0
61	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	1.19 metres	1.19		0	1	0	0
62	F2.16A X	D	F	150	13/09/2023	Polyvinyl chloride	5.02 metres	5.02		0	1	0	0
63	F2.16 X	D	F	225	13/09/2023	Polyvinyl chloride	10.88 metres	10.88		0	1	0	0
64	F2.15 X	U	F	150	13/09/2023	Polyvinyl chloride	2.14 metres	2.14		0	1	0	0
65	RESTBEND X	U	F	150	13/09/2023	Polyvinyl chloride	5.79 metres	5.79		0	1	0	0
66	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	1.21 metres	1.21		0	1	0	0
67	F2.16B X	D	F	150	14/09/2023	Polyvinyl chloride	1.6 metres	1.6		0	1	0	0
68	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	3.79 metres	3.79		0	1	0	0
69	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
70	F2.17 X	D	F	300	14/09/2023	Polyvinyl chloride	13.74 metres	13.74		0	1	0	0
71	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	1.9 metres	1.9		0	1	0	0
72	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	1.6 metres	1.6		0	1	0	0
73	F2.17A X	D	F	150	14/09/2023	Polyvinyl chloride	2.07 metres	2.07		0	1	0	0
74	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	0.67 metres	0.67		0	1	0	0
75	RESTBEND X	U	F	100	14/09/2023	Polyvinyl chloride	4.17 metres	4.17		0	1	0	0
76	F2.10 X	D	F	150	14/09/2023	Polyvinyl chloride	3.4 metres	3.4		0	1	0	0
77	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	4.14 metres	4.14		0	1	0	0
78	UNKNOWN X	U	F	150	14/09/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
79	RESTBEND X	U	F	100	14/09/2023	Polyvinyl chloride	2.62 metres	2.62		0	1	0	0
80	F2.11 X	D	F	225	14/09/2023	Polyvinyl chloride	10.74 metres	10.74		0	1	0	0
81	F2.13 X	D	F	225	14/09/2023	Polyvinyl chloride	8.36 metres	8.36		0	1	0	0
82	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	0.9 metres	0.9		0	1	0	0
83	F2.12 (INAX	U	F	150	14/09/2023	Polyvinyl chloride	7.24 metres	7.24		0	1	0	0
84	F2.14A (INX	U	F	150	14/09/2023	Polyvinyl chloride	3.14 metres	3.14		0	1	0	0
85	RESTBEND X	U	F	100	14/09/2023	Polyvinyl chloride	3.31 metres	3.31		0	1	0	0
86	RESTBEND X	U	F	150	14/09/2023	Polyvinyl chloride	0.38 metres	0.38		0	1	0	0
87	S1.1 (INACX	U	S	150	14/09/2023	Polyvinyl chloride	2.67 metres	2.67		0	1	0	0

BUXTONWATER

Service Defects (SRM 4)

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
88	S1.2 X	D	S	150	14/09/2023	Polyvinyl chloride	6.05 metres	6.05		0	1	0	0
89	RESTBEND X	U	S	150	14/09/2023	Polyvinyl chloride	1.26 metres	1.26		0	1	0	0
90	S1.2A X	D	S	150	14/09/2023	Polyvinyl chloride	8.93 metres	8.93		0	1	0	0
91	F1.16 (INAX	U	F	150	15/09/2023	Polyvinyl chloride	4.24 metres	4.24		0	1	0	0
92	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5 metres	5		0	1	0	0
93	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	1.17 metres	1.17		0	1	0	0
94	F1.17 X	D	F	225	15/09/2023	Polyvinyl chloride	14.74 metres	14.74		0	1	0	0
95	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5.26 metres	5.26		0	1	0	0
96	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	2.14 metres	2.14		0	1	0	0
97	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	1.38 metres	1.38		0	1	0	0
98	F1.19 (INAX	U	F	150	15/09/2023	Polyvinyl chloride	4.52 metres	4.52		0	1	0	0
99	F1.28 X	D	F	225	15/09/2023	Polyvinyl chloride	4.17 metres	4.17		0	1	0	0
100	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	9.29 metres	9.29		0	1	0	0
101	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	6.21 metres	6.21		0	1	0	0
102	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	11.5 metres	11.5		0	1	0	0
103	F1.21 X	D	F	225	15/09/2023	Polyvinyl chloride	4.29 metres	3.26		0	1	0	0
104	RESTBEND	U	F	100	15/09/2023	Polyvinyl chloride	1.6 metres	1.6		0	1	0	0
105	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5.36 metres	5.36		0	1	0	0
106	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5.38 metres	5.38		0	1	0	0
107	F1.22 X	D	F	225	15/09/2023	Polyvinyl chloride	11.31 metres	11.31		0	1	0	0
108	F1.15 (INAX	U	F	225	15/09/2023	Polyvinyl chloride	0.48 metres	0		0	1	0	0
109	F1.13 X	D	F	225	15/09/2023	Polyvinyl chloride	5.57 metres	5.57		0	1	0	0
110	F1.12 (INAX	U	F	225	15/09/2023	Polyvinyl chloride	3.69 metres	3.69		0	1	0	0
111	F1.11 (INAX	U	F	225	15/09/2023	Polyvinyl chloride	6.62 metres	6.62		5	4	1.51	10
112	RESTBEND X	U	F	225	15/09/2023	Polyvinyl chloride	3.6 metres	3.6		0	1	0	0
113	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	3.74 metres	3.74		0	1	0	0
114	F1.25 X	U	F	150	15/09/2023	Polyvinyl chloride	3.43 metres	3.43		0	1	0	0
115	F1.4 X	D	F	150	15/09/2023	Polyvinyl chloride	1.6 metres	1.6		0	1	0	0
116	F1.3 X	U	F	150	15/09/2023	Polyvinyl chloride	6.5 metres	6.5		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
117	F.1.24 (INX	U	F	150	15/09/2023	Polyvinyl chloride	1.45 metres	1.45		0	1	0	0
118	F1.5 (INACX	U	F	225	15/09/2023	Polyvinyl chloride	2.12 metres	2.12		0	1	0	0
119	F1.6 X	D	F	225	15/09/2023	Polyvinyl chloride	12.33 metres	12.33		0	1	0	0
120	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	6.45 metres	6.45		0	1	0	0
121	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	3.45 metres	3.45		0	1	0	0
122	F1.8 X	D	F	150	15/09/2023	Polyvinyl chloride	0.86 metres	0.86		0	1	0	0
123	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	3.64 metres	3.64		0	1	0	0
124	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	5.57 metres	5.57		0	1	0	0
125	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	3.95 metres	3.95		0	1	0	0
126	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	0.45 metres	0.45		0	1	0	0
127	F1.26 X	D	F	100	15/09/2023	Polyvinyl chloride	8.6 metres	8.6		0	1	0	0
128	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	6.74 metres	6.74		0	1	0	0
129	F1.0	D	F	150	15/09/2023	Polyvinyl chloride	9.1 metres	9.1		0	1	0	0
130	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	3.6 metres	3.6		0	1	0	0
131	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	1.48 metres	1.48		0	1	0	0
132	RESTBEND X	U	F	100	15/09/2023	Polyvinyl chloride	4.1 metres	4.1		0	1	0	0
133	F1.2 (INAC	U	F	150	15/09/2023	Polyvinyl chloride	11.6 metres	11.6		0	1	0	0
134	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	2 metres	2		0	1	0	0
135	F1.52 X	U	F	150	15/09/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
136	F1.54	U	F	150	15/09/2023	Polyvinyl chloride	3.76 metres	3.76		0	1	0	0
137	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	8.36 metres	8.36		0	1	0	0
138	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	0.5 metres	0.5		0	1	0	0
139	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	4.57 metres	4.57		0	1	0	0
140	F1.52	U	F	150	15/09/2023	Polyvinyl chloride	0.69 metres	0.69		0	1	0	0
141	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	0.12 metres	0.12		0	1	0	0
142	RESTBEND X	U	F	150	15/09/2023	Polyvinyl chloride	5.26 metres	5.26		0	1	0	0
143	F1.54 X	D	F	150	15/09/2023	Polyvinyl chloride	9.83 metres	9.83		0	1	0	0
144	RESTBEND X	U	S	225	15/09/2023	Polyvinyl chloride	15.36 metres	15.36		0	1	0	0
145	RESTBEND X	U	S	225	15/09/2023	Polyvinyl chloride	3.83 metres	3.83		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
146	S1.21B X	D	S	225	15/09/2023	Polyvinyl chloride	15.12 metres	15.12		0	1	0	0
147	RESTBEND X	U	S	225	15/09/2023	Polyvinyl chloride	11.26 metres	11.26		0	1	0	0
148	RESTBEND X	U	S	225	15/09/2023	Polyvinyl chloride	0.83 metres	0.83		0	1	0	0
149	S1.21 X	D	S	225	15/09/2023	Polyvinyl chloride	4.62 metres	4.62		0	1	0	0
150	F1.56 X	D	F	150	18/09/2023	Polyvinyl chloride	7.86 metres	7.86		0	1	0	0
151	RESTBEND X	U	F	150	18/09/2023	Polyvinyl chloride	3.5 metres	3.5		0	1	0	0
152	S1.22 X	D	S	225	18/09/2023	Polyvinyl chloride	7.83 metres	7.83		0	1	0	0
153	RESTBEND X	U	S	225	18/09/2023	Polyvinyl chloride	4.38 metres	4.38		0	1	0	0
154	S1.23 X	D	S	225	18/09/2023	Polyvinyl chloride	26.93 metres	26.93		0	1	0	0
155	RESTBEND X	U	S	225	18/09/2023	Polyvinyl chloride	4.48 metres	4.48		0	1	0	0
156	SITE 2 HOPX	D	F	100	18/09/2023	Polyvinyl chloride	5.86 metres	5.86		0	1	0	0
157	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	7.19 metres	7.19		0	1	0	0
158	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.19 metres	3.19		0	1	0	0
159	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.24 metres	3.24		0	1	0	0
160	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	4.1 metres	4.1		0	1	0	0
161	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	2.93 metres	2.93		0	1	0	0
162	SITE 2 HOPX	D	F	100	18/09/2023	Polyvinyl chloride	4.62 metres	4.62		0	1	0	0
163	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.21 metres	3.21		0	1	0	0
164	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.1 metres	3.1		0	1	0	0
165	SITE 2 HOPX	D	F	100	18/09/2023	Polyvinyl chloride	7.43 metres	7.43		10	5	1.35	10
166	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.55 metres	3.55		0	1	0	0
167	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.67 metres	3.67		0	1	0	0
168	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.74 metres	3.74		0	1	0	0
169	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	3.55 metres	3.55		0	1	0	0
170	SITE 2 HOPX	D	S	150	18/09/2023	Polyvinyl chloride	4.1 metres	4.1		0	1	0	0
171	S1.24 X	D	S	225	18/09/2023	Polyvinyl chloride	17.17 metres	17.17		0	1	0	0
172	S1.3 X	D	S	300	27/10/2023	Polyvinyl chloride	31.57 metres	31.57		0	1	0	0
173	S1.0A X	U	S	300	27/10/2023	Polyvinyl chloride	5.81 metres	5.81		0	1	0	0
174	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	9.07 metres	9.07		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
175	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	3.5 metres	3.5		0	1	0	0
176	F2.20A X	D	F	225	27/10/2023	Polyvinyl chloride	4.4 metres	4.4		0	1	0	0
177	S1.0 (BURIX	U	S	300	27/10/2023	Polyvinyl chloride	2.48 metres	2.48		0	1	0	0
178	RESTBEND X	U	S	150	27/10/2023	Polyvinyl chloride	10.24 metres	10.24		0	1	0	0
179	F2.19 X	D	F	150	27/10/2023	Polyvinyl chloride	15.31 metres	15.31		0	1	0	0
180	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	1.88 metres	1.88		0	1	0	0
181	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	3.57 metres	3.57		0	1	0	0
182	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	4.74 metres	4.74		0	1	0	0
183	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	1.74 metres	1.74		0	1	0	0
184	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	3.26 metres	3.26		0	1	0	0
185	F2.18 X	D	F	150	27/10/2023	Polyvinyl chloride	1.69 metres	1.69		0	1	0	0
186	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	2.83 metres	2.83		0	1	0	0
187	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	0.95 metres	0.95		0	1	0	0
188	F2.18A X	D	F	150	27/10/2023	Polyvinyl chloride	2.12 metres	2.12		0	1	0	0
189	RESTBEND	U	F	100	27/10/2023	Polyvinyl chloride	1.93 metres	1.93		0	1	0	0
190	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	6 metres	6		0	1	0	0
191	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	2.62 metres	2.62		0	1	0	0
192	F2.19 X	U	F	150	27/10/2023	Polyvinyl chloride	0.9 metres	0.9		0	1	0	0
193	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
194	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	2.55 metres	2.55		0	1	0	0
195	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	1.26 metres	1.26		0	1	0	0
196	F2.14 X	D	F	150	27/10/2023	Polyvinyl chloride	1 metres	1		0	1	0	0
197	F2.14 LEG X	D	F	150	27/10/2023	Polyvinyl chloride	3.24 metres	3.24		0	1	0	0
198	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	0.64 metres	0.64		0	1	0	0
199	RESTBEND	U	F	150	27/10/2023	Polyvinyl chloride	0.64 metres	0.64		0	1	0	0
200	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
201	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
202	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	1.83 metres	1.83		0	1	0	0
203	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	2.74 metres	2.74		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
204	F2.12A X	D	F	150	27/10/2023	Polyvinyl chloride	4.19 metres	4.19		0	1	0	0
205	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	6.86 metres	6.86		0	1	0	0
206	RESTBEND X	U	F	150	27/10/2023	Polyvinyl chloride	1.21 metres	1.21		0	1	0	0
207	RESTBEND X	U	F	100	27/10/2023	Polyvinyl chloride	2.55 metres	2.55		0	1	0	0
208	S1.27 X	U	S	300	27/10/2023	Polyvinyl chloride	9.69 metres	9.69		0	1	0	0
209	RIVER X	U	S	300	27/10/2023	Polyvinyl chloride	14.36 metres	0		0	1	0	0
210	RIVER X	U	S	300	27/10/2023	Polyvinyl chloride	19.64 metres	0		0	1	0	0
211	F1.14 (INAX	U	F	150	30/10/2023	Polyvinyl chloride	7 metres	7		0	1	0	0
212	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	11.02 metres	11.02		0	1	0	0
213	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.67 metres	4.67		0	1	0	0
214	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	6.55 metres	6.55		0	1	0	0
215	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.95 metres	4.95		0	1	0	0
216	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	5.98 metres	5.98		0	1	0	0
217	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	4.07 metres	4.07		0	1	0	0
218	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
219	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	4.1 metres	4.1		0	1	0	0
220	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.05 metres	0.05		10	5	200.00	10
221	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.36 metres	4.36		0	1	0	0
222	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	4.12 metres	4.12		0	1	0	0
223	F1.10 X	D	F	150	30/10/2023	Polyvinyl chloride	3.1 metres	3.1		5	4	1.61	5
224	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.1 metres	0.1		10	5	100.00	10
225	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	0.02 metres	0.02		10	5	500.00	10
226	F1.9 X	U	F	225	30/10/2023	Polyvinyl chloride	0 metres	0		10	5	10.00	10
227	F1.11 X	D	F	225	30/10/2023	Polyvinyl chloride	0 metres	0		10	5	10.00	10
228	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.48 metres	0.48		0	1	0	0
229	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	5.26 metres	5.26		0	1	0	0
230	F1.27 X	D	F	150	30/10/2023	Polyvinyl chloride	8.36 metres	8.36		0	1	0	0
231	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	6.12 metres	6.12		0	1	0	0
232	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	5.79 metres	5.79		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
233	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	2.36 metres	2.36		0	1	0	0
234	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	1.79 metres	1.79		0	1	0	0
235	F1.7 X	D	F	150	30/10/2023	Polyvinyl chloride	0.6 metres	0.6		0	1	0	0
236	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	3.07 metres	3.07		0	1	0	0
237	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	3.02 metres	3.02		0	1	0	0
238	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.98 metres	4.98		0	1	0	0
239	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.55 metres	0.55		0	1	0	0
240	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	1.4 metres	1.4		0	1	0	0
241	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	1.19 metres	1.19		0	1	0	0
242	F1.2 X	U	F	150	30/10/2023	Polyvinyl chloride	5.67 metres	5.67		0	1	0	0
243	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	5.24 metres	5.24		0	1	0	0
244	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	8.48 metres	8.48		0	1	0	0
245	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	1.31 metres	1.31		0	1	0	0
246	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	7.07 metres	7.07		0	1	0	0
247	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	8.69 metres	8.69		0	1	0	0
248	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	3.9 metres	3.9		0	1	0	0
249	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	3.83 metres	3.83		0	1	0	0
250	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	5.81 metres	5.81		0	1	0	0
251	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	5.31 metres	5.31		0	1	0	0
252	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	4.67 metres	4.67		0	1	0	0
253	F1.18 X	D	F	150	30/10/2023	Polyvinyl chloride	10.55 metres	10.55		0	1	0	0
254	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	2.67 metres	2.67		0	1	0	0
255	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	5.88 metres	5.88		0	1	0	0
256	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	0.45 metres	0.45		0	1	0	0
257	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.02 metres	0.02		0	1	0	0
258	RESTBEND X	U	F	150	30/10/2023	Polyvinyl chloride	0.71 metres	0.71		0	1	0	0
259	RESTBEND X	U	F	100	30/10/2023	Polyvinyl chloride	1.07 metres	1.07		0	1	0	0
260	SITE 2 HOPX	D	S	150	30/10/2023	Polyvinyl chloride	5.14 metres	5.14		0	1	0	0
261	S1.13 X	D	S	150	23/11/2023	Polyvinyl chloride	12.86 metres	12.86		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
262	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	5.05 metres	5.05		0	1	0	0
263	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	5.76 metres	5.76		0	1	0	0
264	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	13.21 metres	13.21		0	1	0	0
265	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	7.98 metres	7.98		0	1	0	0
266	S1.15 X	D	S	150	23/11/2023	Polyvinyl chloride	11.71 metres	11.71		0	1	0	0
267	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	12.52 metres	12.52		0	1	0	0
268	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	5.26 metres	5.26		0	1	0	0
269	S1.29 X	D	S	150	23/11/2023	Polyvinyl chloride	4.83 metres	4.83		0	1	0	0
270	S1.14 X	D	S	225	23/11/2023	Polyvinyl chloride	18.81 metres	18.81		0	1	0	0
271	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	10.74 metres	10.74		0	1	0	0
272	RESTBEND X	U	S	100	23/11/2023	Polyvinyl chloride	6.67 metres	6.67		0	1	0	0
273	S1.16 X	D	S	150	23/11/2023	Polyvinyl chloride	11.31 metres	11.31		0	1	0	0
274	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	4.64 metres	4.64		0	1	0	0
275	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	1.93 metres	1.93		0	1	0	0
276	S1.17 X	D	S	225	23/11/2023	Polyvinyl chloride	4.31 metres	4.31		0	1	0	0
277	S1.18 X	U	S	150	23/11/2023	Polyvinyl chloride	12.71 metres	12.71		0	1	0	0
278	ATTENUATIOXU		S	150	23/11/2023	Polyvinyl chloride	2.9 metres	2.9		0	1	0	0
279	S1.19 X	D	S	150	23/11/2023	Polyvinyl chloride	3.21 metres	3.21		0	1	0	0
280	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	2.36 metres	2.36		0	1	0	0
281	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	3.88 metres	3.88		0	1	0	0
282	S1.20 X	D	S	300	23/11/2023	Polyvinyl chloride	10.67 metres	10.67		0	1	0	0
283	RESTBEND X	U	S	150	23/11/2023	Polyvinyl chloride	5.48 metres	5.48		0	1	0	0
284	CAPPED X	U	S	150	23/11/2023	Polyvinyl chloride	0.4 metres	0.4		0	1	0	0
285	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	2.71 metres	2.71		0	1	0	0
286	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	6.69 metres	6.69		0	1	0	0
287	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	4.29 metres	4.29		0	1	0	0
288	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	8.69 metres	8.69		0	1	0	0
289	ATTENUATIOXU		S	300	24/11/2023	Polyvinyl chloride	0.79 metres	0.79		0	1	0	0
290	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	4.74 metres	4.74		0	1	0	0

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

No.	PLR	Dir.	Use	Shape/Size	Date	Mat.	Total Length	Inspection Length	Cat.	Peak Score	Grade	Mean Score	Total Score
291	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	4.5 metres	4.5		0	1	0	0
292	S1.5 X	D	S	150	24/11/2023	Polyvinyl chloride	6.62 metres	6.62		0	1	0	0
293	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	1.31 metres	1.31		0	1	0	0
294	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	9.55 metres	9.55		0	1	0	0
295	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	3.05 metres	3.05		0	1	0	0
296	S1.7A X	D	S	150	24/11/2023	Polyvinyl chloride	0.19 metres	0.19		0	1	0	0
297	RESTBEND X	U	F	150	24/11/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
298	RESTBEND X	U	F	150	24/11/2023	Polyvinyl chloride	0 metres	0		0	1	0	0
299	RESTBEND X	U	F	100	24/11/2023	Polyvinyl chloride	3.76 metres	3.76		0	1	0	0
300	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	0.67 metres	0.67		0	1	0	0
301	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	2.43 metres	2.43		0	1	0	0
302	S1.8 X	D	S	150	24/11/2023	Polyvinyl chloride	4.57 metres	4.57		0	1	0	0
303	RESTBEND X	U	S	150	24/11/2023	Polyvinyl chloride	3.24 metres	3.24		0	1	0	0
304	F1.9 X	U	F	225	24/01/2024	Polyvinyl chloride	6.95 metres	6.95		0	1	0	0
305	F1.10 X	U	F	225	24/01/2024	Polyvinyl chloride	0.19 metres	0.19		0	1	0	0
306	F1.11 X	D	F	225	24/01/2024	Polyvinyl chloride	5.95 metres	5.95		0	1	0	0

BUXTONWATER

Defect Grade Descriptions

Buxton Water Limited
1a Maple Court
Maple View
White Moss Business Park
Skelmersdale
WN8 9TW

Job Number	Surveyed by (Operator)	Base Unit	Date
HS-20A01205/00029	**DAV McLAUGHLIN**	**BGBF9QDTDU**	**12/09/2023**

1: Occurences without damage. For example, laterals, joints,etc.

NO DEFECTS WERE DETECTED.

2: Constructional deficiencies or occurences with insignificant influence to tightness, hydraulic or static pressure or pipe: Eg. wide joints, badly torched intakes, minor deformation of plastic pipes, minor erosions etc.

REHABILITATION CAN BE SCHEDULED LONG-TERM.

3: Constructional deficiencies diminishing static, hydraulic and tightness: Eg. untorched intakes, cracks, minor drainage obstructions such as calcite build ups, protruding laterals, minor damages to pipe wall, individual root penetrations, corroded pipe walls etc.

REHABILITATION IS NECESSARY MEDIUM-TERM WITHIN 3 TO 5 YEARS.

4: Constructional damages with insufficent static safety, hydraulic or tightness: Eg. axial/radial pipe bursts, pipe deformations, visually noticeable infiltration/exfiltration, cavities, in pipe-wall, severe protruding, laterals severe root penetrations, severe corrosion of pipe wall etc.

REHABILITATION PROCEDURE IS URGENT AND HAS TO BE COMPLETED WITHIN 1 TO 2 YEARS. NECESSITY FOR EMERGENCY OPERATIONS HAS TO BE EXAMINED.

5: Pipe is already or will shortly be impermeable: Eg. collapsed pipe, deeply rooted pipe or other drainage obstructions. Pipe loses water or danger of backwater in basements etc.

REHABILITATION IS URGENT AND SHORT-TERM. IN ORDER TO PREVENT FURTHER DAMAGE, NECESSARY TEMPORARY SPOT REPAIR HAS TO BE CONDUCTED ON EMERGENCY LEVEL.

COMPLEX CHALLENGES ...
MADE SIMPLE

APPENDIX K – MAINTENANCE SCHEDULE

COMPLEX CHALLENGES ...
MADE SIMPLE

Pipework, Access and General Maintenance

Inspection Date:

Pipework and Manhole Access Maintenance	Frequency	Details	Action required	Date completed
Inspection of inlets and outlets. Ensure they are clear and flows are not impeded.	Bi-annually			
Inspection of manholes, gullies, sumps, and channel drains for debris and signs of blockages.	Bi-annually			
Inspection of manhole covers and frames for damage and ensure correctly bolted together.	Bi-annually			
Inspection of water quality. Ensure water quality is free of algae, oils, or odours.	Bi-annually			
Visual inspection for inefficiencies - such as surface water building up at the inlet.	Bi-annually			
Remove litter and debris from gully and channel drain surface.	Bi-annually			
Remove or control tree roots where they are encroaching the sides of the gully	Bi-annually			
Inspection of gully and channel drain surface, inlet/outlet pipework and control systems for blockages, clogging, standing water and structural damage.	Bi-annually			

COMPLEX CHALLENGES ...
MADE SIMPLE

Control Chamber Maintenance

Inspection Date:

Control Chamber Maintenance	Frequency	Details	Action required	Date completed
Inspection of the Vortex Flow Control device to ensure that the outlet is clear and unit is undamaged	Monthly for 6 months after installation then Bi-annually			
Inspection of the Vortex Flow Control By-Pass Penstock to ensure it is operational	Monthly for 6 months after installation then Bi-annually			
Inspection of Orifice Control to ensure hole is clear and undamaged	Monthly for 6 months after installation then Bi-annually			
Inspection of incoming and outgoing pipework for blockages and clear if required.	Monthly for 6 months after installation then Bi-annually			
Remove sediment and debris from control chamber sump	Monthly for 6 months after installation then Bi-annually			

COMPLEX CHALLENGES ...
MADE SIMPLE

Rain Garden Maintenance

Inspection Date:

Detention Basin Maintenance	Frequency	Details	Action required	Date completed
Manage other vegetation including removal of dead growth and nuisance plants	As required			
Re-plant areas of poor vegetation growth	Annually or as required			
Repair of erosion or other damage by re-planting	As required			
Re-level uneven surfaces and reinstate design levels	As required			
Inspect downstream inspection chamber for blockages and clear if required	Monthly/ after large storm events			

COMPLEX CHALLENGES ...
MADE SIMPLE

Attenuation Tank Maintenance

Inspection Date:

Attenuation Tank Maintenance	Frequency	Details	Action required	Date completed
Inspect and identify any areas that are not operating correctly. IF required, take remedial action	Monthly for 3 months then annually			
Remove debris from the catchment surface (where it has the potential to cause risks to performance)	Monthly			
Remove sediment from upstream/ downstream catchpits/ access points	Annually or as required			
Inspect all inlets, outlets, vents and overflows to ensure they are not blocked/ damaged and are operating as designed	Annually			
Survey inside of tank for sediment build-up and remove as necessary	Every 5 years or as required			

COMPLEX CHALLENGES ...
MADE SIMPLE

Permeable Paving Maintenance

Inspection Date:

Permeable Paving Maintenance	Frequency	Details	Action required	Date completed
Brushing and vacuuming (standard cosmetic sweep across whole surface)	3 times annually or as required			
Inspect for evidence of poor operation and/ or weed growth. If required take remedial action.	3 monthly			
Inspect filter/ under drain via upstream/ downstream inspection chambers & flow control. Remove silt as required	Annually			
Stabilise and mow adjacent landscaped areas.	As required			
Remove weeds or management using proprietary weed killer applied directly	As required			
Remedial works to any depressions, rutting and cracked or broken blocks.	As required			
Replace lost jointing materials	As required			
Rehabilitation of surface and upper sub-structure if performance is significantly reduced.	As required			

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