

**APPENDIX A - TABLE E17.1: SITE SPECIFIC DESIGN CONDITIONS AND REPAIR REQUIREMENTS PRIOR TO PERFORMING SEWER LINING**

<b>Aikins Street (Asset No. MA00015217)</b>	<b>MH at Aberdeen Avenue to MH at Redwood Avenue (CL)</b>
<b>Combinbed Sewer</b>	
Drawing Number	13503
Size / Shape	450mm circular
Material Type	Clay
Total Length	103.4m
Maximum Sewer Depth to Invert	5.36m
Design Condition	Fully Deteriorated 4% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00013553 (m)	
1	Note: Material change PVC to VC. Potential pipe size change. Provide taper in CIPP liner to transition between pipe sizes as required
52.3	Remove encrustation from pipe wall @ 3:00
70.7	Remove encrustation from pipe wall @ 7:00 to 11:00
96.9	Remove encrustation from pipe wall @ 2:00

<b>Alexander Avenue (Asset No. MA20019208)</b>	<b>MH at Martha Street to 1st MH E of Martha Street</b>
<b>Combined Sewer</b>	
Drawing Number	13504
Size / Shape	300mm circular
Material Type	Clay
Total Length	51.2m
Maximum Sewer Depth to Invert	3.43m
Design Condition	Fully Deteriorated 4% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH20017271 (m)	
2.7	Note: Material Change PVC to VC
5.6	Remove encrustation from pipe wall @ 4:00
8.5 to 9.3	Remove encrustation from pipe wall @ 3:00 to 5:00
18.6	Remove intruding service @ 2:00
23.2 to 23.9	Remove encrustation from pipe wall @ 3:00 to 9:00
29	Remove encrustation below service @ 10:00
34.4 to 35.0	Remove encrustation from pipe wall @ 6:00 to 5:00
41.8 to 43.2	Remove encrustation from pipe wall @ 9:00 to 3:00
47	Remove intruding service @ 10:00

<b>Arby Nau (N. Leg) (Asset No. MA40002353)</b>	<b>1st MH E of Arby Bay (W. Leg) to 2nd MH E of Arby Bay (W. Leg)</b>
<b>Combined Sewer</b>	
Drawing Number	13505
Size / Shape	300mm circular
Material Type	Concrete
Total Length	122.4m
Maximum Sewer Depth to Invert	2.98m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH4002120 (m)	
0.0 to 122.2	Remove roots from joints, pipe walls and services
0.3	Remove encrustation from pipe joint @ 4:00 to 7:00
2.8 to 3.1	Remove encrustation from pipe wall @ 5:00
6.7	Remove encrustation from pipe joint @ 5:00 to 7:00
9.2	Remove encrustation from pipe joint @ 5:00 to 7:00
12.9	Remove encrustation from pipe joint @ 5:00 to 7:00
21.5	Remove encrustation from pipe joint @ 5:00 to 7:00
23.7	Remove encrustation below service @ 10:00
35.2	Remove encrustation from pipe joint @ 5:00
48.8	Remove encrustation from pipe joint @ 6:00 to 9:00
56.5	Remove encrustation below service @ 2:00
59.9	Remove encrustation from pipe joint @ 5:00
72.6	Remove encrustation below service @ 2:00
77.1 to 78.5	Remove grease from pipe wall @ 11:00 to 1:00
79.5 to 79.7	Remove encrustation from pipe joint @ 3:00
82.2	Remove encrustation from pipe joint @ 3:00
83.5	Remove encrustation from pipe joint @ 2:00 to 10:00
84.6	Remove encrustation from pipe joint @ 10:00
83.8 to 87.4	Remove encrustation from pipe wall @ 11:00 to 1:00
89.8 to 92.0	Remove encrustation from pipe wall @ 11:00 to 1:00
92.6 to 108.6	Remove encrustation from pipe wall @ 10:00 to 2:00
102	Remove encrustation from pipe joint @ 5:00
109.4	Remove encrustation from pipe joint @ 3:00

<b>Beverley Street (Asset No. MA20017192) Sewer</b>	<b>3rd MH S of Ellice Avenue to 4th MH S of Ellice Avenue</b>
Drawing Number	13506
Size / Shape	300mm circular
Material Type	Clay
Total Length	85.8m
Maximum Sewer Depth to Invert	3.60m
Design Condition	Fully Deteriorated 6% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH20015654 (m)	
49.7 to 82.0	EPR including 7 service connections
82	Note: Material Change VC to concrete

<b>Bronx Avenue (Asset No. MA40005134) Combined Sewer</b>	<b>MH at Roch Street to 1st MH W or Roch Street</b>
Drawing Number	
Size / Shape	300mm circular
Material Type	Clay
Total Length	97.8m
Maximum Sewer Depth to Invert	3.13m
Design Condition	Fully Deteriorated 8% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH40004668 (m)	
2.9	Note: Material Change PVC to VC
2.9 to 3.2	Remove encrustation from pipe wall @ 5:00 to 7:00
12.2	Remove intruding service @ 10:00
15	Remove encrustation from pipe joint @ 4:00
15.6	Remove encrustation from pipe joint @ 4:00
16.2	Remove encrustation from pipe joint @ 3:00
18	Remove encrustation from pipe wall @ 9:00
18.6	Remove encrustation from pipe joint @ 3:00 and 9:00
19.2	Remove roots from pipe joint @ 3:00
19.7 to 20.8	Remove encrustation from pipe wall @ 12:00 to 12:00
21.9 to 24.0	EPR including 2 service connection
23	Remove roots from service @ 2:00
24.7 to 24.9	Remove encrustation from pipe wall @ 4:00
27.0 to 27.4	Remove encrustation from pipe wall @ 8:00
27.7	Remove encrustation from pipe joint @ 8:00
28.3	Remove encrustation from pipe joint @ 8:00
28.3	Remove roots from pipe joint 3:00
28.9	Remove roots from pipe joint @ 10:00
30.1 to 31.4	Remove encrustation from pipe wall @ 8:00
31.9	Remove roots from pipe joint @ 3:00
32.5	Remove encrustation from pipe joint @ 2:00
34	Remove intruding service @ 3:00
35.6 to 36.8	Remove encrustation from pipe wall @ 4:00
37.3	Remove encrustation from pipe joint @ 9:00
39.2	Remove encrustation from pipe wall @ 9:00
39.8	Remove encrustation from pipe joint @ 4:00 and 8:00
40.5	Remove encrustation from pipe joint @ 4:00
42.8 to 43.0	Remove encrustation from pipe wall @ 8:00
59.2	Remove intruding service @ 2:00
61.1 to 61.3	Remove encrustation from pipe wall @ 4:00 and 8:00
61.7 to 61.9	Remove encrustation from pipe wall @ 3:00 and 9:00
64.5	Remove encrustation from pipe joint @ 9:00
73.3	Remove encrustation from pipe wall @ 8:00
73.6 to 73.8	Remove encrustation from pipe wall @ 4:00
73.8	Repair existing sewer service and reconnect to main @ 2:00
74.1	Remove encrustation from pipe wall @ 7:00 and 11:00
74.3	Remove encrustation from pipe joint @ 3:00 and 8:00
75.8	Remove encrustation from pipe wall @ 3:00 and 9:00
77.2	Remove encrustation from pipe wall @ 9:00
80.2	Remove encrustation from pipe wall @ 5:00 and 8:00
80.7	Remove encrustation from pipe joint @ 8:00
81.5	Remove encrustation from pipe joint @ 8:00
81.9	Remove encrustation from pipe joint @ 8:00 and 4:00
82.5	Remove encrustation from pipe joint @ 3:00 and 8:00
82.6	Remove encrustation from pipe wall @ 3:00
83.1	Remove encrustation from pipe joint @ 7:00 to 10:00
84.4	Remove encrustation from pipe wall @ 4:00
86.2	Remove encrustation from pipe wall @ 8:00
87	Remove encrustation from pipe wall @ 4:00 and 9:00
89.1	Remove encrustation from pipe wall @ 8:00
94	Remove encrustation from pipe joint @ 9:00
94.7	Note: Material change VC to Concrete. Potential pipe size change. Provide taper in CIPP liner to transition between pipe sizes as required
95	Remove roots from service @ 2:00

<b>Campeau Street (Asset No. MA60021983) Wastewater Sewer</b>	<b>1st MH S of St. Therese Avenue to MH at St Therese Avenue CL</b>
Drawing Number	13507
Size / Shape	200mm circular
Material Type	Concrete
Total Length	95.0m
Maximum Sewer Depth to Invert	4.51m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60018643 (m)	
0.0 to 2.0	EPR

<b>Campeau Street (Asset No. MA60021983)</b>	
<b>Wastewater Sewer</b>	<b>1st MH S of St. Therese Avenue to MH at St Therese Avenue CL</b>
Drawing Number	
Size / Shape	200mm circular
Material Type	Concrete
Total Length	95.0m
Maximum Sewer Depth to Invert	4.51m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60018643 (m)	
0.0 to 95.1	Remove roots from joints, pipe walls and services
16.6	Note: Material Change PVC to Concrete
16.5 to 17.0	Remove encrustation from pipe wall @ 7:00 to 5:00
60	Survey abandoned due to debris in pipe. Additional preparation requirements to be confirmed from post EPR CCTV inspection

<b>Carlyle Bay (N. Leg) (Asset No. MA20003227)</b>	
<b>Wastewater Sewer</b>	<b>1st MH W of Carlyle Bay (E Leg) to MH at Westwood Drive</b>
Drawing Number	13508
Size / Shape	250mm circular
Material Type	Concrete
Total Length	67.1m
Maximum Sewer Depth to Invert	3.53m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH20002941 (m)	
1	Remove encrustation from pipe wall @ 3:00
16.3	Remove intruding service @ 2:00
20	Remove intruding service plug @ 2:00
20.8	Note: Material Change VC to PVC
22.2	Note: Material Change PVC to VC
29.4 to 29.8	Remove grease from pipe wall @ 5:00 and 7:00
51.5 to 54.0	Remove grease from pipe wall

<b>Carter Avenue (Asset No. MA600118541)</b>	
<b>Combined Sewer</b>	<b>MH at Wentworth Street to 1st MH W of Lilac Street</b>
Drawing Number	13509
Size / Shape	375mm circular
Material Type	Clay
Total Length	87.3m
Maximum Sewer Depth to Invert	3.65m
Design Condition	Fully Deteriorated 9% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60010073 (m)	
15.3	Remove intruding service @ 10:00
20.5	Remove encrustation from pipe joint @ 6:00
21.2 to 27.7	EPR including 2 service reconnections
31.5	Remove encrustation from pipe joint @ 1:00
32.4	Remove encrustation from pipe wall @ 2:00
36.1	Remove encrustation from pipe joint @ 12:00
42.8 to 48.6	EPR including 2 service reconnections
47.6	Survey abandoned

<b>Carter Avenue (Asset No. MA600118541)</b>	
<b>Combined Sewer</b>	<b>MH at Wentworth Street to 1st MH W of Lilac Street</b>
Drawing Number	13510
Size / Shape	375mm circular
Material Type	Clay
Total Length	87.3m
Maximum Sewer Depth to Invert	3.65m
Design Condition	Fully Deteriorated 9% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60010131 (m)	
0.0 to 2.1	EPR
4.1	Note: Material Change VC to PVC
5.8	Note: Material Change PVC to VC
24.4	Remove intruding service @ 2:00
39.8	Survey abandoned, see downstream table for EPR limits

<b>Chataway Boulevard (Asset No. MA60007436)</b>	
<b>Combined Sewer</b>	<b>1st MH S of Wellington Crescent to 2nd MH S of Wellington Crescent</b>
Drawing Number	13511
Size / Shape	300mm circular
Material Type	Clay
Total Length	137.2m
Maximum Sewer Depth to Invert	5.44m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60005252 (m)	
0.0 to 137.2	Remove roots from joints, pipe walls and services
5.8	Remove intruding service @ 9:00
36.3	Remove encrustation below service @ 10:00
45.7	Remove intruding service @ 2:00
84.9	Remove intruding service @ 2:00
124.8 to 127.3	EPR

<b>Clare Avenue (Asset No. MA70016856)</b>	
<b>Combined Sewer</b>	<b>MH at Mabel Street CL to MH at Mable Street WPL</b>
Drawing Number	13512
Size / Shape	300mm circular
Material Type	Clay
Total Length	4.0m
Maximum Sewer Depth to Invert	2.94m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60011596 (m)	
2	Note: Material Change VC to PVC

<b>Coldstream Avenue (Asset No. MA40009659)</b>	
<b>Wastewater Sewer</b>	<b>MH at Blue Herron Crescent to MH at Wayoata Street</b>
Drawing Number	13513
Size / Shape	200mm circular
Material Type	Concrete
Total Length	54.6m
Maximum Sewer Depth to Invert	4.56m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH40008777 (m)	
0.0 to 18.2	Remove grease from pipe wall @ 9:00 to 3:00
20.4 to 23.1	Remove grease from pipe wall @ 9:00 to 3:00
24.9	Remove encrustation from pipe joint @ 9:00
25.1 to 28.7	Remove grease from pipe wall @ 10:00 to 2:00
42.0 to 43.4	Remove grease from pipe wall @ 10:00 to 2:00
51	Remove encrustation from pipe joint @ 3:00
51.0 to 51.6	Remove grease from pipe wall @ 9:00

<b>Collegiate (Asset No. MA20008108) Combined Sewer</b>	<b>Manhole at Silver Avenue (NPL) to 1st MH N of Silver Avenue</b>
Drawing Number	13514
Size / Shape	250mm circular
Material Type	Concrete
Total Length	113.7m
Maximum Sewer Depth to Invert	3.12m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH20007449 (m)	
7.4	Remove intruding service @ 10:00
8.3	Remove intruding service @ 2:00
11.3 to 15.1	Remove roots from pipe joints
18.6	Remove roots from pipe wall @ 2:00
18.9 to 19.7	Remove grease from pipe wall @ 9:00
19.7 to 40.9	Remove roots from pipe joints
40.2	Remove intruding service @ 2:00
47	Remove intruding service @ 10:00
54.2	Remove intruding service @ 10:00
60.0 to 60.9	Note: previous PVC half pipe repair
64.5	Note: Material Change Concrete to PVC
68.5	Note: Material Change PVC to Concrete
70.1 to 73.1	Remove roots from pipe joints
84.2	Remove roots from service @ 3:00

<b>Dakota Street (Asset No. MA50018780) Wastewater Sewer</b>	<b>2nd MH S of Chesterfield Avenue to 1st MH N of Bishop Grandin</b>
Drawing Number	13515
Size / Shape	250mm circular
Material Type	Concrete
Total Length	118.9m
Maximum Sewer Depth to Invert	6.41m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH50015059 (m)	
6.2 to 14.9	Remove grease from pipe wall @ 11:00 and 1:00
10.9	Remove hanging gasket
17.1 to 18.8	Remove grease from pipe wall @ 11:00 and 1:00
19.8	Remove intruding service @ 12:00
23.3	Remove hanging gasket
34.2	Remove hanging gasket
42.6	Remove encrustation from pipe wall @ 7:00 and 2:00
50.2	Remove hanging gasket
92.8	Remove hanging gasket
107.6	Remove hanging gasket

<b>Dartmouth Drive (N Backlane) (Asset No. MA60015908) Wastewater Sewer</b>	<b>1st MH NE of Dartbouth Drive to MH at Dartbouth Drive</b>
Drawing Number	13516
Size / Shape	200mm circular
Material Type	Concrete
Total Length	79.0m
Maximum Sewer Depth to Invert	3.23m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60013695 (m)	
0	Remove encrustation from pipe wall @ 7:00 to 5:00
3.1	Remove encrustation from pipe joint @ 8:00
4.6	Remove encrustation from pipe joint @ 7:00 to 5:00
6.2	Remove encrustation from pipe joint @ 12:00 to 5:00
10.6	Remove encrustation from pipe joint @ 12:00 to 5:00
16.9	Remove encrustation from pipe joint @ 7:00 to 5:00
20	Remove encrustation from pipe joint @ 7:00 to 5:00
23	Remove encrustation from pipe joint @ 7:00 to 5:00
26	Remove encrustation from pipe wall @ 4:00
26.2	Remove encrustation from pipe wall @ 7:00 to 5:00
47.6	Remove encrustation from pipe joint @ 7:00 to 5:00
52.2	Remove encrustation from pipe joint @ 7:00 to 5:00
55.9	Remove encrustation from pipe joint @ 12:00 to 5:00
59.9	Remove encrustation from pipe joint @ 7:00 to 5:00
64.5	Remove encrustation from pipe joint @ 6:00 to 6:00
66.1	Remove encrustation from pipe joint @ 5:00 to 7:00
67.6	Remove encrustation from pipe joint @ 5:00 to 7:00
69.5	Remove encrustation from pipe wall @ 2:00
72.8 to 74.5	Remove grease from pipe wall @ 9:00 and 3:00

<b>Dudley Avenue (Asset No. MA60009096)</b> <b>Combined Sewer</b>	<b>1st MH W of Cockburn Street to MH at Hugo Street N</b>
Drawing Number	13517
Size / Shape	375mm circular
Material Type	Clay
Total Length	67.4m
Maximum Sewer Depth to Invert	5.7m
Design Condition	Fully Deteriorated 7% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60007498 (m)	
18.3	Note: New manhole to be installed (by others)
38.4	Remove solid debris from pipe
48	Remove intruding service @ 12:00
48.6	Remove intruding service @ 12:00
56.2	Remove intruding service @ 2:00

<b>Easement E of Osborne Street N (Asset No. MA70147214) Combined Sewer</b>	<b>2nd MH N of Broadway to MH at York (N PL)</b>
Drawing Number	13518
Size / Shape	300mm circular
Material Type	clay
Total Length	54.5m
Maximum Sewer Depth to Invert	3.72m
Design Condition	Fully Deteriorated 8% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH70016157 (m)	
1.0 to 4.3	Remove encrustation from pipe wall @ 5:00 to 7:00
8.8	Remove intruding service @ 9:00
9.1	Remove encrustation from pipe joint @ 9:00
9.8	Remove encrustation from pipe joint @ 6:00
34.9	Remove encrustation from pipe joint @ 7:00
39.6	Remove encrustation from pipe joint @ 7:00
44.2	Remove encrustation from pipe joint @ 5:00
54.5	Note: New manhole to be installed (by others)

<b>Glasgow Avenue (Asset No. MA60009360)</b> <b>Combined Sewer</b>	<b>1st MY E of Osborne Avenue to MH at Osborne Avenue</b>
Drawing Number	13519
Size / Shape	300mm circular
Material Type	Clay
Total Length	70.4m
Maximum Sewer Depth to Invert	5.16m
Design Condition	Fully Deteriorated 4% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60007820 (m)	
0.0 to 12.4	EPR including 4 service connections
6.7	Survey abandoned

<b>Glasgow Avenue (Asset No. MA60009360)</b> <b>Combined Sewer</b>	<b>1st MY E of Osborne Avenue to MH at Osborne Avenue</b>
Drawing Number	13519
Size / Shape	300mm circular
Material Type	Clay
Total Length	70.4m
Maximum Sewer Depth to Invert	5.16m
Design Condition	Fully Deteriorated 4% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60007747 (m)	
6.7	Remove encrustation from pipe joint @ 5:00
11.5	Remove intruding service @ 2:00
11.5	Remove encrustation below service @ 2:00
14.4 to 14.9	Remove encrustation from pipe wall @ 7:00 to 5:00
19.8	Note: Material Change VC to PVC
22	Note: Material Change PVC to VC
25.7	Remove encrustation from pipe joint @ 6:00 to 11:00
26.2	Remove encrustation from pipe joint @ 6:00 to 11:00
28.6	Remove intruding service @ 2:00
33.6	Remove encrustation from pipe joint @ 7:00 to 11:00
37.2	Remove encrustation below service @ 2:00
37.6 to 38.3	Remove encrustation from pipe wall @ 12:00 to 5:00
38.2	Remove intruding service @ 2:00
40.4 to 41.1	Remove grease from pipe wall @ 4:00
41.2	Remove encrustation from pipe joint @ 8:00
42.1	Remove encrustation from pipe joint @ 9:00
46.3 to 62.2	Remove roots from joints, pipe walls and services
63.1	Survey abandoned, see downstream table for EPR limits

<b>Graduate Path (Asset No. MA40002474)</b> <b>Wastewater Sewer</b>	<b>MH at Springgield Road to 1st MH S of Springfield Road</b>
Drawing Number	13520
Size / Shape	200mm circular
Material Type	Concrete
Total Length	46.6m
Maximum Sewer Depth to Invert	2.87m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH40002212 (m)	
0.6	Remove encrustation from pipe joint @ 5:00 to 7:00
1.9 to 4.4	EPR

<b>Graduate Path (Asset No. MA40002474)</b> <b>Wastewater Sewer</b>	<b>MH at Springgield Road to 1st MH S of Springfield Road</b>
Drawing Number	13520
Size / Shape	200mm circular
Material Type	Concrete
Total Length	46.6m
Maximum Sewer Depth to Invert	2.87m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH40002214 (m)	
0.0 to 46.7	Remove roots from joints, pipe walls and services
42.3	Survey abandoned, see downstream table for EPR limits

<b>Guildford Street (Asset No. MA20005298)</b> <b>Combined Sewer</b>	<b>2nd MH N of Lodge Avenue to 3rd MH N of Lodge Avenue</b>
Drawing Number	13521
Size / Shape	375mm circular
Material Type	Clay
Total Length	104.6m
Maximum Sewer Depth to Invert	3.31m
Design Condition	Fully Deteriorated 5% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH20004850 (m)	
30.3 to 53.7	EPR including 4 service connections
82.7	Remove roots from service @ 2:00
93.0 to 103.8	EPR including 2 service connections
103.8 to 104.4	Remove encrustation from pipe wall @ 5:00 to 7:00

<b>Hawthorne Avenue (Asset No. MA40002370)</b> <b>Combined Sewer</b>	<b>3RD MH W of Rothesay Street to MH at Roch Street</b>
Drawing Number	13522
Size / Shape	300mm circular
Material Type	Clay
Total Length	90.3m
Maximum Sewer Depth to Invert	4.35m
Design Condition	Fully Deteriorated 4% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH40002146 (m)	
0.3	Remove encrustation from pipe wall
0.9	Remove encrustation from pipe joint @ 5:00
4.9	Remove encrustation from pipe joint @ 7:00
10.3	Remove encrustation from pipe wall @ 9:00
12.1	Remove solid debris
16.9	Remove encrustation from pipe joint @ 6:00
21.5	Remove encrustation from pipe joint @ 6:00
25.2	Remove encrustation from pipe joint @ 6:00
30.7	Remove encrustation from pipe wall @ 3:00
35.8	Remove encrustation from pipe joint @ 6:00
38.9	Remove encrustation from pipe joint @ 6:00
53.6	Remove encrustation from pipe joint @ 10:00
53.7 to 59.0	Remove grease from pipe wall
61.9	Remove encrustation from pipe joint @ 6:00
62.8	Remove encrustation from pipe joint @ 6:00
63.7	Remove encrustation from pipe joint @ 6:00
66.4	Remove encrustation from pipe joint @ 6:00
68.3	Remove encrustation from pipe joint @ 6:00
71	Remove encrustation from pipe joint @ 6:00
72.9	Remove encrustation from pipe joint @ 6:00
73.8	Remove encrustation from pipe joint @ 6:00
73.8 to 75.6	EPR including 1 service connection
77.5	Remove encrustation from pipe joint @ 6:00

<b>Helmsdale Avenue (Asset No. MA40006457)</b> <b>Combined Sewer</b>	<b>2nd MH E of Henderson Highway to 1st MH W of Henderson Highway</b>
Drawing Number	13523
Size / Shape	300mm circular
Material Type	Concrete
Total Length	83.7m
Maximum Sewer Depth to Invert	3.29m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	

Location	Action Required
Distance from MH40005901 (m)	
0.0 to 83.7	Remove roots from joints, pipe walls and services
24.4	Remove encrustation from pipe wall @ 4:00
38.8 to 40.0	Remove encrustation from pipe wall
41.1	Remove encrustation from pipe joint @ 7:00
41.8	Remove encrustation from pipe joint @ 7:00
43.3 to 43.6	Remove encrustation from pipe joint @ 4:00
48.9	Remove intruding service @ 3:00
50.2	Remove encrustation from pipe joint @ 3:00
51.9	Remove encrustation from pipe joint @ 5:00 to 7:00
52.7	Remove encrustation from pipe joint @ 7:00
53.4	Remove encrustation from pipe joint @ 7:00 to 5:00
54.1	Remove encrustation from pipe joint @ 4:00 to 7:00
59.5	Remove encrustation from pipe joint @ 9:00 to 12:00
60.2 to 61.4	Remove encrustation from pipe wall @ 1:00
61.9	Remove encrustation from pipe joint @ 10:00
62.7	Remove intruding service @ 10:00
63	Remove intruding service @ 2:00
67.2 to 67.7	Remove encrustation from pipe wall @ 11:00
73	Remove intruding service @ 10:00

Helmsdale Avenue (Asset No. MA40006404)	
<b>Combined Sewer</b>	
Drawing Number	13524
Size / Shape	250mm circular
Material Type	Clay
Total Length	38.5m
Maximum Sewer Depth to Invert	2.91m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
Location	Action Required
Distance from MH40005874 (m)	
0.0 to 38.5	Remove roots from joints, pipe walls and services
3.1	Remove encrustation from pipe wall @ 4:00
3.9	Remove encrustation from pipe wall @ 5:00
8.9	Remove encrustation from pipe wall @ 6:00
10.8	Remove encrustation from pipe wall @ 3:00
25.6	Remove encrustation below service @ 3:00
27.6 to 27.9	Remove encrustation from pipe wall @ 6:00
30.5	Remove intruding service @ 2:00
36.3	Note: Material Change
37.2	Note: Material Change to VC

Henderson Highway (Asset No. MA40002159)	
<b>Combined Sewer</b>	
Drawing Number	13525
Size / Shape	300mm circular
Material Type	Concrete
Total Length	97.1m
Maximum Sewer Depth to Invert	4.04m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
Location	Action Required
Distance from MH40001937 (m)	
2.5	Remove encrustation below service @ 9:00
6.0 to 11.3	Remove grease from pipe wall @ 5:00 to 7:00
11.4	Remove encrustation from pipe joint @ 5:00
36.6	Remove intruding service @ 11:00
70.2	Remove intruding service @ 10:00
76.8	Remove encrustation from pipe joint @ 8:00
89	Remove encrustation below service @ 10:00
89.7	Remove encrustation from pipe joint @ 7:00



<b>Henderson Highway (Asset No. MA70039176)</b>	
<b>Combined Sewer</b>	
Drawing Number	13526
Size / Shape	300mm circular
Material Type	Concrete
Total Length	70.3m
Maximum Sewer Depth to Invert	4.74m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
Location	Action Required
Distance from MH40001861 (m)	
5.2 to 8.2	EPR
13.7 to 13.9	Remove encrustation from pipe wall @ 4:00
13.8	Remove intruding service @ 2:00
17.3	Remove encrustation from pipe joint @ 4:00 to 7:00
17.5	Remove encrustation from pipe wall @ 5:00
18.7 to 19.8	Remove encrustation from pipe wall @ 7:00
23.7	Note: Material Change Conc to PVC
26.2	Note: Material Change PVC to Conc
31.8	Remove encrustation from pipe wall @ 7:00
34.2	Remove encrustation from pipe joint @ 9:00
40.5	Remove encrustation from pipe joint @ 3:00
42.3	Remove encrustation from pipe joint @ 3:00
47	Remove encrustation from pipe joint @ 9:00
49.4	Remove encrustation from pipe joint @ 9:00
50.3	Remove encrustation from pipe joint @ 9:00
50.7	Remove encrustation below service @ 10:00
54.9	Remove encrustation from pipe joint @ 9:00
57	Remove encrustation below service @ 2:00
57.7	Remove encrustation from pipe wall @ 5:00 to 9:00
59.5	Remove encrustation from pipe wall @ 10:00
62.5	Remove encrustation from pipe joint @ 1:00 to 9:00
63.8	Remove encrustation from pipe joint @ 4:00
64.8 to 65.6	Remove encrustation from pipe wall @ 6:00
65.6	Remove encrustation from pipe joint @ 3:00 to 9:00
66.5	Remove encrustation from pipe joint @ 6:00 to 9:00
69.2	Remove encrustation from pipe joint @ 3:00 to 9:00
69.2 to 70.1	Remove encrustation from pipe wall @ 6:00

<b>Henderson Highway (Asset No. MA40002108)</b>	
<b>Combined Sewer</b>	
Drawing Number	13527
Size / Shape	300mm circular
Material Type	Concrete
Total Length	100.2m
Maximum Sewer Depth to Invert	3.8m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
Location	Action Required
Distance from MH40001891 (m)	
0.5	Remove encrustation from pipe joint @ 7:00
2	Remove encrustation from pipe joint @ 7:00
2.9	Remove encrustation from pipe joint @ 5:00
4.7	Remove encrustation from pipe joint @ 6:00
5.6	Remove encrustation from pipe joint @ 6:00
7.6	Remove intruding service @ 2:00
14.8	Remove encrustation from pipe joint @ 5:00
55.8	Remove intruding service @ 2:00
67.3	Remove intruding service @ 2:00
76.9	Remove intruding service @ 3:00
81.1	Remove intruding service @ 3:00
81.3 to 91.7	Remove grease from pipe wall @ 5:00 to 7:00

<b>Home Street (Asset No. MA20017443) Combined Sewer</b>		<b>1st MH S of Ellice Avenue to 2nd MH S of Ellice Avenue</b>
Drawing Number	13528	
Size / Shape	300mm circular	
Material Type	AC	
Total Length	85.2m	
Maximum Sewer Depth to Invert	3.82m	
Design Condition	Fully Deteriorated 3% ovality	
<b>Site Specific Repairs</b>		
<b>Location</b>	<b>Action Required</b>	
Distance from MH20015678 (m)		
6.7 to 13.4	Remove encrustation from pipe wall @ 7:00 and 5:00	
13.7 to 18.9	Remove encrustation from pipe wall	
19.4 to 21.6	Remove encrustation from pipe wall	
22.0 to 28.3	Remove encrustation from pipe wall	
29.1	Remove encrustation below service @ 10:00	
29.4 to 30.0	Remove encrustation from pipe wall @ 7:00	
30.2	Remove encrustation from pipe joint @ 5:00	
30.7	Remove encrustation from pipe joint @ 5:00	
31.4	Remove encrustation from pipe joint @ 7:00 to 11:00	
32	Remove encrustation from pipe joint @ 7:00 to 5:00	
35.1	Remove encrustation from pipe joint @ 7:00	
35.7 to 37.8	Remove encrustation from pipe wall	
40.5	Remove encrustation from pipe joint @ 5:00 and 7:00	
41.8	Remove encrustation from pipe joint @ 5:00 and 7:00	
44.4 to 46.4	Remove encrustation from pipe wall	
55.2 to 60.7	Remove encrustation from pipe wall	
62.1 to 62.8	Remove encrustation from pipe wall	
64.0 to 74.1	Remove encrustation from pipe wall	
74.1 to 80.2	Remove encrustation from pipe wall	
80.2	Note: Material Change VC to PVC	
82.6	Remove intruding service @ 10:00	

<b>Langside Street (Asset No. MA20016997) Combined Sewer</b>		<b>1st MH S of Cumberland Avenue to 2nd MH S of Cumberland Avenue</b>
Drawing Number	13529	
Size / Shape	375mm circular	
Material Type	Clay	
Total Length	105.3m	
Maximum Sewer Depth to Invert	3.49m	
Design Condition	Fully Deteriorated 9% ovality	
<b>Site Specific Repairs</b>		
<b>Location</b>	<b>Action Required</b>	
Distance from MH20013253 (m)		
15.2	Remove roots from service @ 2:00	
39.6	Remove encrustation below service @ 10:00	
45.2	Remove encrustation below service @ 10:00	
46.1	Remove encrustation from pipe joint @ 7:00 to 10:00	
47.2	Remove encrustation from pipe joint @ 7:00 to 10:00	
53.4	Remove encrustation from pipe joint @ 6:00	
68.2	Remove encrustation below service @ 2:00	
72	Remove roots from service @ 11:00	
88.5	Remove encrustation from pipe joint @ 9:00	
98.5	Remove roots from service @ 10:00	
103.3	Remove intruding service @ 10:00	
104.9	Remove encrustation from pipe wall @ 9:00 to 6:00	

<b>Lansdowne Avenue (Asset No. MA00008891) Combined Sewer</b>		<b>1st MH W of St. Cross Street to MH at St. Cross Street</b>
Drawing Number	13530	
Size / Shape	375mm circular	
Material Type	Clay	
Total Length	94.8m	
Maximum Sewer Depth to Invert	2.97m	
Design Condition	Fully Deteriorated 5% ovality	
<b>Site Specific Repairs</b>		
<b>Location</b>	<b>Action Required</b>	
Distance from MH00006978 (m)		
87.2	Remove intruding service @ 9:00	

<b>Lansdowne Avenue (Asset No. MA00009383)</b>	
<b>Combined Sewer</b>	
Drawing Number	13531
Size / Shape	450mm circular
Material Type	Clay
Total Length	24.5m
Maximum Sewer Depth to Invert	7.6m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00011042 (m)	
2	Note: Material Change VC to PVC
4.4	Note: Material Change PVC to VC
4.4	Remove encrustation from pipe joint @ 4:00
11.6	Remove encrustation from pipe wall @ 7:00 to 3:00

<b>Lilac Street (Asset No. MA60009735) Combined Sewer</b>	
<b>1st MH S of McMillan Avenue to MH at Corydon Avenue</b>	
Drawing Number	13532
Size / Shape	450mm circular
Material Type	Clay
Total Length	13.4m
Maximum Sewer Depth to Invert	7.1m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60008093 (m)	
2.4 to 2.7	Remove encrustation from pipe wall @ 7:00 to 4:00
3.4	Remove solid debris from invert of pipe
5.4 to 5.7	Remove encrustation from pipe wall @ 1:00 to 5:00

<b>Lincrest Crescent (Asset No. MA00002006)</b>	
<b>Combined Sewer</b>	
Drawing Number	13533
Size / Shape	450mm circular
Material Type	Concrete
Total Length	80.5m
Maximum Sewer Depth to Invert	3.23m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00001725 (m)	
5.6 to 5.9	Remove encrustation from pipe wall
12	Remove encrustation from pipe joint @ 7:00
20.8	Remove encrustation below service @ 10:00
22.2	Remove encrustation below service @ 2:00
55.3	Remove encrustation from pipe joint @ 5:00 to 7:00
65.6	Remove intruding service @ 2:00
66.4	Remove encrustation from pipe joint @ 9:00
68	Remove encrustation below service @ 9:00

<b>Machray Avenue (Asset No. MA00015690)</b>	
<b>Combined Sewer</b>	
Drawing Number	13534
Size / Shape	300mm circular
Material Type	Clay
Total Length	100.5m
Maximum Sewer Depth to Invert	5.64m
Design Condition	Fully Deteriorated 5% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00013940(m)	
0.0 to 3.8	Remove encrustation from pipe wall @ 4:00 to 7:00
4.6 to 4.7	Remove encrustation from pipe wall @ 4:00 to 7:00
5.7 to 12.9	Remove encrustation from pipe wall @ 4:00 to 7:00
13.6	Remove encrustation from pipe wall @ 9:00
14.2	Remove encrustation from pipe wall @ 6:00 to 10:00
14.7 to 15.0	Remove encrustation from pipe wall @ 1:00
31.8 to 37.1	Remove encrustation from pipe wall
45.5 to 46.1	Remove encrustation from pipe wall @ 1:00
51.7 to 52.0	Remove encrustation from pipe wall @ 11:00
62.9	Remove encrustation below service @ 2:00
70.4	Remove encrustation from pipe joint @ 4:00
71.1	Remove encrustation from pipe joint @ 12:00 to 3:00
72	Remove encrustation from pipe joint @ 7:00 to 4:00
77.5	Remove intruding service @ 9:00
78	Remove encrustation from pipe joint @ 9:00 to 12:00
81.4	Remove encrustation from pipe joint @ 11:00
83.5	Remove encrustation from pipe joint @ 7:00 to 11:00
84.3	Remove encrustation from pipe joint @ 9:00 to 12:00
92.7	Remove encrustation from pipe joint @ 7:00 to 10:00

<b>Main Street (Asset No. MA60000873) Combined Sewer</b>	<b>2nd MH N of Margaret Avenue to 1st MH N of Margaret Avenue</b>
Drawing Number	13535
Size / Shape	375mm circular
Material Type	clay
Total Length	91.2m
Maximum Sewer Depth to Invert	4.03m
Design Condition	Fully Deteriorated 4% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00000753 (m)	
2.6	Remove encrustation from pipe joint @ 2:00
3.4	Remove encrustation from pipe joint @ 10:00
4.5	Remove encrustation from pipe joint @ 2:00
11	Remove encrustation from pipe joint @ 10:00 and 2:00
13.9	Remove encrustation from pipe joint @ 3:00
14.9	Remove encrustation from pipe joint @ 10:00
17.6	Remove encrustation from pipe joint @ 10:00 and 2:00
18.5	Remove encrustation from pipe joint @ 10:00 and 2:00
19.5	Remove encrustation from pipe joint @ 10:00
23.3	Remove encrustation from pipe joint @ 7:00 to 12:00
25	Remove encrustation from pipe joint @ 3:00
26.0 to 26.3	Remove encrustation from pipe wall @ 9:00 to 12:00
26.9	Remove encrustation from pipe joint @ 10:00 to 2:00
28.9	Remove encrustation from pipe joint @ 3:00
29.8	Remove encrustation from pipe joint @ 9:00 and 3:00
30.8	Remove encrustation from pipe joint @ 10:00 and 3:00
33.2	Remove intruding service @ 2:00
34.5	Remove encrustation from pipe joint @ 10:00 and 3:00
65.2	Remove intruding service @ 9:00
86.4	Remove encrustation below service @ 2:00
88.9 to 90.7	EPR

<b>Manahan Avenue (Asset No. MA60018167) Wastewater Sewer</b>	<b>2nd MH E of Hudson Steet to 3rd MH E of Hudson Street</b>
Drawing Number	13536
Size / Shape	200mm circular
Material Type	Clay
Total Length	91.6m
Maximum Sewer Depth to Invert	3.28m
Design Condition	Fully Deteriorated 7% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60015737 (m)	
0.5 to 4.8	Remove encrustation from pipe wall
5.4 to 5.8	Remove encrustation from pipe wall
12	Remove encrustation from pipe joint @ 4:00
18.1 to 18.5	Remove encrustation from pipe wall @ 1:00 to 5:00
19.5	Remove intruding service @ 10:00
20.2	Remove encrustation below service @ 10:00
20.4	Survey abandoned due to encrustation at connection

<b>Manahan Avenue (Asset No. MA60018167) Wastewater Sewer</b>	<b>2nd MH E of Hudson Steet to 3rd MH E of Hudson Street</b>
Drawing Number	13536
Size / Shape	200mm circular
Material Type	Clay
Total Length	91.6m
Maximum Sewer Depth to Invert	3.28m
Design Condition	Fully Deteriorated 7% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60015800 (m)	
3	Remove encrustation from pipe joint @ 7:00
7.6	Remove intruding service @ 3:00
10.2	Remove encrustation from pipe joint @ 5:00
18.9	Remove encrustation from pipe joint @ 5:00
40	Remove encrustation from pipe wall @ 9:00
53.7	Remove intruding service @ 10:00
71.5	Survey abandoned due to encrustation at connection

<b>Maplewood Avenue (Asset No. MA60008959)</b>	
<b>Combined Sewer</b>	
Drawing Number	13537
Size / Shape	300mm circular
Material Type	Clay
Total Length	79.1m
Maximum Sewer Depth to Invert	3.78m
Design Condition	Fully Deteriorated 7% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60007364 (m)	
0.0 to 34.2	Remove roots from joints, pipe walls and services
14.8 to 17.2	EPR
70.4	Remove roots from service @ 2:00
71	Remove roots from service @ 10:00

<b>Markham Road (Asset No. MA60016374)</b>	
<b>Wastewater Sewer</b>	
Drawing Number	13538
Size / Shape	250mm circular
Material Type	Conc
Total Length	17.2m
Maximum Sewer Depth to Invert	4.82m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60014087 (m)	
0	Remove encrustation from pipe joint @ 5:00
17.1	Remove encrustation from pipe joint @ 5:00

<b>McKay Avenue (Asset No. MA40002348)</b>	
<b>Combined Sewer</b>	
Drawing Number	13539
Size / Shape	375mm circular
Material Type	Conc
Total Length	99.4m
Maximum Sewer Depth to Invert	3.17m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH40002163 (m)	
5.2	Remove encrustation from pipe joint @ 4:00
17.8	Remove encrustation below service @ 2:00
21.2	Remove solid debris at 6:00
37.8	Remove encrustation from pipe wall @ 6:00
39	Remove encrustation from pipe wall @ 6:00
40.3	Remove encrustation from pipe wall @ 6:00
47.6	Remove encrustation from pipe wall @ 6:00
48.7	Remove encrustation from pipe wall @ 6:00
59.9	Remove encrustation from pipe wall @ 6:00
61.1	Remove encrustation from pipe wall @ 6:00
70.5	Remove encrustation from pipe joint @ 3:00 to 9:00
83.4	Remove encrustation from pipe wall @ 8:00
83.9 to 86.3	EPR including 4 service connections
88.2	Remove roots from service @ 2:00
88.9	Remove encrustation from pipe joint @ 5:00 to 7:00
90.2	Remove encrustation from pipe joint @ 9:00
91.4	Remove encrustation from pipe joint @ 3:00 to 9:00
92.6	Remove encrustation from pipe joint @ 8:00
93.7	Remove encrustation from pipe joint @ 3:00 to 9:00
96.2	Remove encrustation from pipe joint @ 3:00 to 9:00
97.5	Remove encrustation from pipe joint @ 4:00 to 8:00
98.7	Remove encrustation from pipe joint @ 4:00 to 8:00

<b>McMillan Avenue (Asset No. MA60010574)</b>	
<b>Combined Sewer</b>	
Drawing Number	13540
Size / Shape	450mm circular
Material Type	clay
Total Length	86.6m
Maximum Sewer Depth to Invert	6.47m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60008863 (m)	
0.0 to 86.4	Remove roots from joints, pipe walls and services
21.1	Note: Material Change VC to PVC
23.6	Note: Material Change PVC to VC
37	Note: Material Change VC to PVC
39.8	Note: Material Change PVC to VC
48.9	Remove encrustation from pipe joint @ 8:00
50.4	Note: Material Change VC to PVC
55.1	Note: Material Change PVC to VC

<b>Mulvey Avenue (Asset No. MA60010474)</b>	
<b>Combined Sewer</b>	<b>1st MH W of Guelph Street to 2nd MH W of Guelph Street</b>
Drawing Number	13541
Size / Shape	300mm circular
Material Type	clay
Total Length	79.4m
Maximum Sewer Depth to Invert	3.6m
Design Condition	Fully Deteriorated 9% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60008766 (m)	
0.0 to 79.2	Remove roots from joints, pipe walls and services
3	Remove encrustation below service @ 10:00
52	Remove intruding service @ 10:00
55.0 to 59.0	<b>EPR Including 2 service reconnections</b>
67.3	Remove intruding service @ 9:00
76.4	Note: Material Change VC to PVC

<b>Musgrove Street (Asset No. MA6001703) Land</b>	
<b>Drainage Sewer</b>	<b>1st MH W of Shier Drive to MH at Shier Drive</b>
Drawing Number	13542
Size / Shape	375mm circular
Material Type	Conc
Total Length	100.1m
Maximum Sewer Depth to Invert	1.91m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH600001297 (m)	
83.6	Remove intruding service @ 10:00

<b>Pearce Avenue (Asset No. MA00011475)</b>	
<b>Combined Sewer</b>	<b>1st MH E of Cottingham Street to MH at Colish Drive</b>
Drawing Number	13543
Size / Shape	375mm circular
Material Type	Conc
Total Length	100.7m
Maximum Sewer Depth to Invert	4.26m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00009262 (m)	
7.7	Remove encrustation from pipe joint @ 5:00
13.6	Remove encrustation below service @ 2:00
14.5	Remove intruding service @ 10:00
21.8	Remove intruding service @ 10:00
64.4	Remove encrustation below service @ 2:00
65	Remove encrustation below service @ 10:00
76.5	Remove encrustation from pipe joint @ 6:00
81.9	Remove encrustation from pipe joint @ 7:00
82.7	Remove encrustation from pipe joint @ 8:00
83.5	Remove encrustation from pipe joint @ 8:00
84.4	Remove encrustation from pipe joint @ 8:00
85.9	Remove encrustation from pipe joint @ 8:00
86.7	Remove encrustation from pipe joint @ 8:00
89	Remove encrustation from pipe joint @ 4:00
89.8	Remove encrustation from pipe joint @ 4:00 to 8:00

<b>Primrose Crescent (Asset No. MA00008399)</b>	
<b>Combined Sewer</b>	<b>MH at Primrose Crescent (E Leg) to 1st MH W of Primrose Crescent</b>
Drawing Number	13544
Size / Shape	300mm circular
Material Type	Conc
Total Length	73.9m
Maximum Sewer Depth to Invert	4.18m
Design Condition	Fully Deteriorated 4% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00009515 (m)	
0.6	Remove encrustation from pipe joint @ 7:00 to 10:00
2.6	Remove intruding service @ 10:00
11.6	Note: Material Change Conc to PVC
13.9	Note: Material Change PVC to Conc
33.5 to 34.8	Remove encrustation from pipe wall @ 5:00
48.1	Remove intruding service @ 11:00
48.5	Remove encrustation below service @ 2:00
50.8	Remove encrustation below service @ 10:00
53.2	Remove encrustation below service @ 10:00

<b>Regent Avenue W (Asset No. MA40012311)</b>	
<b>Wastewater Sewer</b>	
Drawing Number	13545
Size / Shape	250mm circular
Material Type	Conc
Total Length	76.0m
Maximum Sewer Depth to Invert	3.5m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH40011133 (m)	
0.0 to 76.3	Remove grease from pipe wall @ 9:00 to 3:00
7.2	Note: Material Change VC to PVC
7.9	Note: Material Change PVC to VC
37.2	Remove encrustation from pipe joint
66.3	Remove encrustation from pipe wall @ 1:00 to 5:00

<b>Royal Avenue (Asset No. MA00011930)</b>	
<b>Combined Sewer</b>	
Drawing Number	13546
Size / Shape	300mm circular
Material Type	conc
Total Length	113.0m
Maximum Sewer Depth to Invert	3.04m
Design Condition	Fully Deteriorated 5% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00010290 (m)	
3.2	Remove encrustation from pipe joint @ 4:00
4	Remove encrustation from pipe joint @ 4:00
5.5 to 5.8	Remove encrustation from pipe wall @ 5:00
5.9	Remove encrustation from pipe wall @ 8:00
6	Remove intruding service @ 9:00
8.1	Remove encrustation from pipe wall @ 5:00
8.7 to 10.5	Remove encrustation from pipe wall
11.2	Remove intruding service @ 2:00
12.5 to 14.0	Remove encrustation from pipe wall @ 4:00
14.1	Remove solid debris from joint
19.1	Remove encrustation from pipe wall @ 7:00
20	Remove encrustation from pipe wall @ 4:00
16.3 to 27.3	Remove encrustation from pipe wall @ 4:00
28	Remove encrustation from pipe joint @ 5:00
28.5 to 29.6	Remove encrustation from pipe wall @ 3:00
31.3 to 32.0	Remove encrustation from pipe wall @ 3:00
57.7	Remove intruding service @ 11:00
60.6	Remove solid debris from joint
61.7	Remove encrustation from pipe wall @ 4:00
68	Remove solid debris from joint
69.9	Remove encrustation from pipe joint @ 8:00
73	Remove encrustation from pipe joint @ 4:00
84.9	Remove encrustation from pipe wall @ 8:00
92.4	Remove encrustation from pipe joint @ 8:00
94.2 to 95.1	Remove encrustation from pipe wall @ 7:00 to 12:00
100.5	Remove encrustation below service @ 2:00
101.0 to 102.6	EPR
106.6	Remove encrustation from pipe joint @ 3:00

<b>Rupertsland Avenue (Asset No. MA0008454)</b>	
<b>Combined Sewer</b>	
Drawing Number	13547
Size / Shape	375mm circular
Material Type	conc
Total Length	90.0m
Maximum Sewer Depth to Invert	4.6m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00009566 (m)	
0	Remove encrustation from pipe wall @ 5:00
0.6	Remove encrustation from pipe joint @ 7:00 to 5:00
2.4	Remove encrustation from pipe wall @ 7:00
3.8	Note: Material Change Concrete to PVC
9.3	Note: Material Change PVC to Concrete
9.3	Remove encrustation from pipe joint @ 10:00 and 2:00
10.2	Remove intruding service @ 10:00
11	Remove intruding service @ 2:00
19.6	Remove intruding service @ 10:00
20.3	Remove intruding service @ 2:00
38.1 to 40.5	<b>EPR including 2 service reconnections</b>
42.1	Note: Material Change Concrete to PVC
45.8	Note: Material Change PVC to Concrete
58.4 to 59.1	Remove roots from pipe wall @ 3:00
66.5	Remove intruding service @ 10:00
67.3	Remove intruding service @ 2:00
79.7	Remove intruding service @ 10:00
80.4	Remove encrustation below service @ 2:00
85.9	Remove roots from pipe wall @ 10:00 to 3:00
88.8	Remove roots from pipe joint @ 9:00

<b>Salter Street (Asset No. MA00012582) Combined Sewer</b>	
<b>1st MH N of McAdam Avenue to MH at McAdam Avenue</b>	
Drawing Number	13548
Size / Shape	300mm circular
Material Type	Concrete
Total Length	49.7m
Maximum Sewer Depth to Invert	5.19m
Design Condition	Fully Deteriorated 4% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00011259 (m)	
2	Remove encrustation from pipe joint @ 6:00
4	Remove encrustation from pipe joint @ 4:00 to 7:00
4.8	Remove encrustation from pipe joint @ 4:00 to 7:00
5.7	Remove encrustation from pipe joint @ 4:00 to 7:00
7.3	Remove encrustation from pipe joint @ 4:00 to 7:00
8	Remove encrustation from pipe joint @ 4:00 to 7:00
8.8	Remove encrustation from pipe joint @ 4:00 to 7:00
10.4	Remove encrustation from pipe joint @ 4:00 to 7:00
10.4	Note: Material Change Conc to VC
17.2	Remove encrustation from pipe wall @ 5:00 to 7:00
17.2	<b>Survey abandoned</b>

<b>Sanford Fleming Road (Asset No. MA40012692) Wastewater Sewer</b>	
<b>1st MH N of Sanford Fleming Road S Leg to MH at Moberly Avenue</b>	
Drawing Number	13549
Size / Shape	250mm circular
Material Type	Concrete
Total Length	85.3m
Maximum Sewer Depth to Invert	4.35m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH40011482 (m)	
0.3	Remove encrustation from pipe wall @ 7:00 to 9:00
20.2	Remove roots from pipe joint 3:00
33.2	Remove encrustation from pipe joint @ 7:00 to 10:00
39.4 to 39.9	Remove grease from pipe wall
41.3	Remove grease from pipe wall @ 12:0
68.5	Remove encrustation from pipe wall @ 8:00 to 5:00
68.5 to 83.0	Remove grease from pipe wall

<b>Semple Avenue (Asset No. MA00001114) Combined Sewer</b>	
<b>1st MH W of Scotia Street to MH at Scottea Street</b>	
Drawing Number	13550
Size / Shape	450mm circular
Material Type	Conc
Total Length	112.9m
Maximum Sewer Depth to Invert	5.5m
Design Condition	Fully Deteriorated 4% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00000980 (m)	



<b>Seven Oaks Avenue (Asset No. MA00008530) Combined Sewer</b>	
<b>1str MH E of Parr Street to 2nd MH E of Parr Street</b>	
Drawing Number	13551
Size / Shape	300mm circular
Material Type	Conc
Total Length	100.1m
Maximum Sewer Depth to Invert	4.24m
Design Condition	Fully Deteriorated 6% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00009627 (m)	
0.3	Remove encrustation from pipe wall @ 7:00
1	Remove roots from pipe joint
4.1	Remove encrustation from pipe joint @ 6:00
11.1	Remove encrustation from pipe joint @ 6:00
18.1	Remove encrustation from pipe joint @ 6:00
18.7	Remove encrustation from pipe joint @ 6:00
22.6	Remove encrustation from pipe joint @ 6:00
26.5	Remove encrustation below service @ 2:00
27.1	Remove encrustation below service @ 2:00
34.2	Remove encrustation from pipe joint @ 9:00
38.7	Remove encrustation from pipe joint @ 9:00
42	Remove encrustation from pipe joint @ 9:00 and 3:00
42.8	Remove encrustation from pipe joint @ 10:00
45.8	Remove encrustation from pipe joint @ 10:00
47.7	start heavy debris
48.8	<i>Survey abandoned, pipe 50% full of debris to be cleaned</i>

<b>Seven Oaks (Asset No. MA00008530) Comined Sewer</b>	
<b>1st MH E of Salter Steet to 2nd MH E of Salter Street</b>	
Drawing Number	13551
Size / Shape	300mm circular
Material Type	Conc
Total Length	100.1m
Maximum Sewer Depth to Invert	4.24m
Design Condition	Fully Deteriorated 6% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00009626 (m)	
2	Remove encrustation from pipe wall @ 9:00
8.4	Remove encrustation below service @ 11:00
13.1	Remove encrustation from pipe joint @ 8:00
17.7 to 22.5	Remove encrustation from pipe wall
18.3	Remove intruding service @ 2:00
23.3	Remove encrustation from pipe joint
23.9	Remove encrustation from pipe joint
24.7	Remove encrustation from pipe joint
25.1	Remove encrustation from pipe wall @ 10:00
36	Remove encrustation below service @ 2:00
36.3	Remove encrustation from pipe joint @ 7:00 to 10:00
39.7	Remove encrustation from pipe wall
42.4 to 46	<b>EPR</b>
44.4	<i>Survey abandoned</i>

<b>Seven Oaks (Asset No. MA00008807) Combined Sewer</b>	
1st MH E of Salter Street to 2nd MH E of Salter Street	
Drawing Number	13552
Size / Shape	300mm circular
Material Type	conc
Total Length	87.8m
Maximum Sewer Depth to Invert	3.72m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
Location	Action Required
Distance from MH00009913 (m)	
2.6	Remove encrustation from pipe joint @ 5:00
3.1	Remove encrustation below service @ 10:00
3.4 to 3.7	Remove encrustation from pipe wall @ 2:00 and 7:00
4.5	Remove encrustation from pipe joint @ 5:00
5.6	Remove encrustation from pipe joint @ 8:00
6.5	Remove encrustation from pipe joint @ 8:00
8	Remove encrustation from pipe joint @ 5:00 and 8:00
8.8	Remove encrustation from pipe joint @ 5:00 and 8:00
9.6	Remove encrustation from pipe joint @ 5:00 and 8:00
10	Remove encrustation below service @ 10:00
10.4	Remove encrustation from pipe joint @ 3:00 to 9:00
11.1	Remove encrustation from pipe joint @ 8:00
11.9	Remove encrustation from pipe joint @ 8:00
12.7	Remove encrustation from pipe joint @ 3:00 to 8:00
13.5	Remove encrustation from pipe joint @ 3:00 to 8:00
14.2	Remove encrustation from pipe joint @ 3:00 to 8:00
14.9	Remove encrustation from pipe joint @ 3:00 to 8:00
15.8 to 25.4	Remove encrustation from pipe wall @ 3:00 to 9:00
25.9	Remove encrustation from pipe joint @ 3:00 to 9:00
26.7	Remove encrustation from pipe joint @ 5:00
28.3	Remove encrustation from pipe joint @ 8:00
29	Remove encrustation from pipe joint @ 4:00 to 8:00
29.9	Remove encrustation from pipe joint @ 4:00 to 8:00
30.1	Remove encrustation below service @ 2:00
30.6	Remove encrustation from pipe joint @ 5:00
30.9	Remove encrustation below service @ 10:00
31.3	Remove encrustation from pipe joint @ 4:00 to 7:00
32.1	Remove encrustation from pipe joint @ 4:00 to 7:00
32.9 to 34.0	Remove encrustation from pipe wall @ 1:00 to 12:00
34.4	Remove encrustation from pipe joint @ 1:00 to 5:00
35.2	Remove encrustation from pipe joint @ 5:00
38.4	Remove encrustation from pipe wall @ 9:00
39.9	Remove encrustation from pipe joint @ 6:00
40.7	Remove encrustation from pipe joint @ 6:00
41.4	Remove encrustation from pipe joint @ 4:00 to 7:00
42.1	Remove encrustation from pipe joint @ 4:00 to 7:00
43	Remove encrustation from pipe joint @ 4:00 to 7:00
43.7	Remove encrustation from pipe joint @ 4:00 to 7:00
44.5	Remove encrustation from pipe wall @ 4:00 to 8:00
45.3	Remove encrustation from pipe wall @ 4:00 to 8:00
46.1	Remove encrustation from pipe wall @ 7:00
47.7	Remove encrustation from pipe wall @ 3:00 to 9:00
48.4	Remove encrustation from pipe wall @ 3:00 to 9:00
52	Remove encrustation below service @ 10:00
52.3	Remove encrustation from pipe joint @ 3:00 to 8:00
53.8	Remove encrustation from pipe joint @ 3:00 to 8:00
54.6	Remove encrustation from pipe joint @ 3:00 to 8:00
55.4	Remove encrustation from pipe joint @ 3:00 to 8:00
56.2	Remove encrustation from pipe joint @ 3:00 to 8:00
57.7	Remove encrustation from pipe joint @ 3:00 to 8:00
58.5	Remove encrustation from pipe joint @ 3:00 to 8:00
59.3	Remove encrustation from pipe joint @ 3:00 to 8:00
60.2	Remove encrustation from pipe joint @ 3:00 to 8:00
60.9	Remove encrustation from pipe joint @ 3:00 to 8:00
61.7	Remove encrustation from pipe joint @ 4:00 to 8:00
62.4	Remove encrustation from pipe joint @ 3:00 to 10:00
63.2	Remove encrustation from pipe joint @ 3:00 to 9:00
64	Remove encrustation from pipe joint @ 3:00 to 9:00
64.7	Remove encrustation from pipe joint @ 3:00 to 9:00
65.6	Remove encrustation from pipe joint @ 3:00 to 9:00
66.3	Remove encrustation from pipe joint @ 3:00 to 9:00
67	Remove encrustation from pipe joint @ 3:00 to 9:00
67.8	Remove encrustation from pipe joint @ 3:00 to 9:00
68.6	Remove encrustation from pipe joint @ 3:00 to 9:00
69.4	Remove encrustation from pipe joint @ 3:00 to 9:00
70.2	Remove encrustation from pipe joint @ 3:00 to 9:00
70.9	Remove encrustation from pipe joint @ 3:00 to 9:00
71.7	Remove encrustation from pipe joint @ 3:00 to 9:00
72.5	Remove encrustation from pipe joint @ 3:00 to 9:00
73	Remove encrustation below service @ 2:00
74.1	Remove encrustation from pipe joint @ 3:00 to 9:00
74.8	Remove encrustation from pipe joint @ 3:00 to 9:00
75.05	Remove encrustation from pipe joint @ 3:00 to 9:00
76.4	Remove encrustation from pipe joint @ 3:00 to 9:00
77.9	Remove encrustation from pipe joint @ 3:00 to 9:00
81.2	Remove encrustation from pipe joint @ 3:00 to 9:00
85	Remove encrustation from pipe joint @ 3:00 to 9:00
85.7	Remove encrustation from pipe joint @ 3:00 to 9:00
86.4	Remove encrustation from pipe joint @ 3:00 to 9:00
87.3	Remove encrustation from pipe joint @ 3:00 to 9:00

<b>Stafford Street (Asset No. MA60021484)</b>	<b>MH at Academy Road SPL to 1st MH S of Academy Road</b>
<b>Combined Sewer</b>	
Drawing Number	13553
Size / Shape	300mm circular
Material Type	Clay
Total Length	89.3m
Maximum Sewer Depth to Invert	3.5m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60018366 (m)	
0.0 to 9.0	Remove encrustation from pipe wall
12.9 to 14.1	Remove encrustation from pipe wall @ 6:00
18.0 to 20.5	Remove encrustation from pipe wall @ 5:00 to 7:00
41.2	Remove intruding service @ 10:00
45.5 to 45.7	Remove encrustation from pipe wall @ 8:00
72.2	Remove intruding service @ 2:00
72.2	Survey abandoned

<b>Stafford Street (Asset No. MA60021484)</b>	<b>MH at Academy Road SPL to 1st MH S of Academy Road</b>
<b>Combined Sewer</b>	
Drawing Number	13553
Size / Shape	300mm circular
Material Type	Clay
Total Length	89.3
Maximum Sewer Depth to Invert	3.5m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60018366 (m)	
7.1 to 7.5	Remove encrustation from pipe wall 2:00 to 6:00
7.4	Remove intruding service @ 2:00
19.9	Survey abandoned

<b>Tait Avenue (Asset No. MA00008926)</b>	<b>2nd MH E of Jones Street to MH at Mac Street</b>
<b>Wastewater Sewer</b>	
Drawing Number	13554
Size / Shape	300mm circular
Material Type	conc
Total Length	88.1m
Maximum Sewer Depth to Invert	4.3m
Design Condition	Fully Deteriorated 10% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH00006003 (m)	
0.0 to 88.1	Remove roots from joints, pipe walls and services
2.1 to 2.6	Remove encrustation from pipe wall @ 4:00 to 7:00
3.9	Remove encrustation from pipe joint @ 8:00
6.2	Remove encrustation from pipe joint @ 5:00 to 7:00
7.2	Remove encrustation from pipe joint @ 5:00 to 7:00
8.1	Remove encrustation from pipe joint @ 5:00 to 7:00
9	Remove encrustation from pipe joint @ 5:00 to 7:00
9.9	Remove encrustation from pipe joint @ 5:00 to 7:00
10.8	Remove encrustation from pipe joint @ 5:00 to 7:00
12.7	Remove encrustation from pipe joint @ 5:00 to 7:00
13.2	Remove encrustation from pipe joint @ 5:00 to 7:00
13.5	Remove encrustation below service @ 10:00
13.5 to 17.1	Remove encrustation from pipe wall
17.5 to 25.5	Remove encrustation from pipe wall
25.5	Remove intruding service @ 10:00
25.5 to 36.6	Remove encrustation from pipe wall
36.6	Remove intruding service @ 2:00
36.6 to 53.7	Remove encrustation from pipe wall
51.3	Remove intruding service @ 11:00
54.5	Remove encrustation from pipe joint
55.4 to 62.0	Remove encrustation from pipe wall
62.9	Remove intruding service @ 10:00
63.8	Remove intruding service @ 2:00
74.5	Remove intruding service @ 11:00
75.4 to 81.6	Remove encrustation from pipe wall

<b>Warsaw Avenue (Asset No. MA60010031)</b>	<b>MH at Hugo Street N to 1st MH W of Hugo Street N.</b>
<b>Combined Sewer</b>	
Drawing Number	13555
Size / Shape	300mm circular
Material Type	Clay
Total Length	86.6m
Maximum Sewer Depth to Invert	3.87m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60008377 (m)	
2.5 to 3.2	Remove encrustation from pipe wall @ 5:00 to 7:00
3.9 to 13.3	Remove encrustation from pipe wall @ 5:00 to 7:00
30.4	Note: Material Change VC to PVC
34.7	Note: Material Change PVC to VC
47.1	Remove encrustation from pipe wall @ 5:00 to 7:00
66.6	Remove encrustation from pipe joint @ 6:00 to 7:00
71.6	Remove encrustation from pipe joint @ 6:00 to 7:00

<b>Warsaw Avenue (Asset No. MA60010485)</b>	
<b>Combined Sewer</b>	
Drawing Number	13556
Size / Shape	300mm circular
Material Type	Clay
Total Length	86.8m
Maximum Sewer Depth to Invert	4.71m
Design Condition	Fully Deteriorated 6% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60008784 (m)	
17.2	Remove intruding service @ 2:00
48.9	Remove solid debris from joint
62.2	Remove encrustation from pipe joint @ 5:00 and 7:00
84.7 to 86.3	EPR

<b>Weatherdon Avenue (Asset No. MA60011791)</b>	
<b>Combined Sewer</b>	
Drawing Number	13557
Size / Shape	300mm circular
Material Type	Clay
Total Length	85.3m
Maximum Sewer Depth to Invert	3.37m
Design Condition	Fully Deteriorated 6% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60010017 (m)	
64.6	Remove encrustation from pipe wall @ 7:00 to 11:00
71.9	Remove encrustation from pipe wall @ 1:00 to 6:00
72.7	Remove encrustation from pipe wall @ 8:00 and 4:0
74.6	Remove intruding service @ 1:00
78.5	Note: Material Change VC to PVC
85	Remove encrustation from pipe wall @ 3:00 to 9:00

<b>Whellams Lane (Asset No. MA40000649)</b>	
<b>Wastewater Sewer</b>	
Drawing Number	13558
Size / Shape	300mm circular
Material Type	conc
Total Length	69.3m
Maximum Sewer Depth to Invert	9.0m
Design Condition	Fully Deteriorated 3% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH40000593 (m)	
0.0 to 2.1	Remove encrustation from pipe wall
6.2	Remove encrustation from pipe joint @ 9:00 to 3:00
8.1	Remove encrustation from pipe joint @ 7:00 to 10:00
8.9 to 9.3	Remove encrustation from pipe wall @ 4:0
9.4	Remove encrustation from pipe joint @ 9:00 to 3:00
11.1	Remove encrustation from pipe joint @ 7:00 to 4:00
11.2	Remove encrustation from pipe wall @ 7:00 to 4:00
12.5	Remove encrustation from pipe joint @ 7:00 to 10:00
14	Remove encrustation from pipe joint @ 7:00 to 5:00
15.6	Remove encrustation from pipe joint @ 1:00 to 5:00
18.7	Remove encrustation from pipe joint @ 7:00 to 5:00
20	Remove encrustation from pipe joint @ 7:00
20.2	Remove encrustation from pipe wall @ 7:00 to 10:00
21.7	Remove encrustation from pipe joint @ 7:00 to 5:00
23.2	Remove encrustation from pipe joint @ 10:00
24.8	Remove encrustation from pipe joint @ 7:00 to 5:00
27.7	Remove encrustation from pipe joint @ 8:00 to 3:00
30.9	Remove encrustation from pipe joint @ 8:00 to 3:00
32.5	Remove encrustation from pipe joint @ 7:00 to 5:00
34.2 to 35.8	Remove encrustation from pipe wall @ 3:00
38.2 to 38.4	Remove encrustation from pipe wall @ 7:00 to 12:00
38.6	Remove encrustation from pipe joint @ 7:00 to 5:00
40.2	Remove encrustation from pipe joint @ 7:00 to 5:00
41.6	Remove encrustation from pipe joint @ 7:00 to 5:00
43.9 to 44.9	Remove encrustation from pipe wall @ 7:00 to 5:00
47.9	Remove encrustation from pipe joint @ 7:00
51.6	Remove encrustation from pipe joint
52.6	Remove encrustation from pipe wall @ 7:00 to 12:00
52.7	Remove encrustation from pipe wall @ 7:00 to 12:00
54.2	Remove encrustation from pipe joint @ 7:00 to 5:00
55.6	Remove encrustation from pipe joint @ 7:00 to 5:00
57.3	Remove encrustation from pipe joint @ 10:00 to 5:00
30.6	Remove encrustation from pipe joint @ 7:00 to 5:00
62	Remove encrustation from pipe joint @ 10:00
59.0 to 64.2	Remove encrustation from pipe wall @ 7:00 to 5:00
64.9	Remove encrustation from pipe joint @ 9:00 to 5:00
65.5 to 69.5	Remove encrustation from pipe wall

<b>Wildwood G Park (N Leg)(Asset No. MA60013292) Wastewater Sewer</b>	<b>1st MH W of Wildwood G LK (E Leg) to MH at Wildwood Street</b>
Drawing Number	13559
Size / Shape	200mm circular
Material Type	conc
Total Length	102.1m
Maximum Sewer Depth to Invert	4.75m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60011435 (m)	
0.0 to 102	Remove roots from joints, pipe walls and services
63.2	Remove encrustation from pipe joint @ 5:00 to 7:00
92.7	Note: Material Change VC to PVC
93.6	Note: Material Change PVC to VC
100.8 to 102	EPR

<b>Wildwood H Park (E Leg) (Asset No. MA60013278) Wastewater Sewer</b>	<b>1st Mh N of South Drive to MH at South Drive</b>
Drawing Number	13560
Size / Shape	200mm circular
Material Type	clay
Total Length	78.4m
Maximum Sewer Depth to Invert	4.18m
Design Condition	Fully Deteriorated 6% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH60011471 (m)	
0.0 to 77.9	Remove roots from joints, pipe walls and services
6.5 to 7.3	Remove grease from pipe wall @ 2:00
10.4 to 12.9	Remove grease from pipe wall @ 1:00
10.7	Note: Material Change VC to PVC
12.9	Note: Material Change PVC to VC
22	Remove intruding service @ 10:00
67.9 to 68.9	Remove grease from pipe wall
76.0 to 77.6	Remove grease from pipe wall

<b>Wildwood H Park (E Leg) (Asset No. MA60013329) Wastewater Sewer</b>	<b>2nd MH N of South Drive to 1st MH N of South Drive</b>
Drawing Number	13560
Size / Shape	200mm circular
Material Type	Clay
Total Length	67.5m
Maximum Sewer Depth to Invert	2.23m
Design Condition	Fully Deteriorated 5% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH600114 (m)	
3.6 to 5.0	Remove grease from pipe wall @ 10:00 and 2:00
7.3 to 8.8	Remove grease from pipe wall @ 6:00
13.3	Remove encrustation from pipe wall @ 3:00
64.2	Note: Material Change VC to PVC

<b>Woodlawn Street (Asset No. MA20005952) Combined Sewer</b>	<b>1st MH S of Ness Avenue to 2nd MH S of Ness Avenue</b>
Drawing Number	13561
Size / Shape	300mm circular
Material Type	Clay
Total Length	97.2m
Maximum Sewer Depth to Invert	4.24m
Design Condition	Fully Deteriorated 6% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH20005499 (m)	
1	Remove intruding service @ 10:00
1.7	Remove intruding service @ 2:00
6.3	Remove intruding service @ 10:00
6.5	Remove intruding service @ 2:00
18.1	Remove intruding service @ 10:00
18.6	Remove intruding service @ 2:00
19.7	Remove encrustation below service @ 10:00
19.9 to 20.1	Remove encrustation from pipe wall @ 7:00
48.4	Remove roots from pipe joint @ 3:00
76.0 to 80.7	EPR including 2 service connections

<b>Woodlawn Street (Asset No. MA20005952) Combined Sewer</b>	<b>1st MH S of Ness Avenue to 2nd MH S of Ness Avenue</b>
Drawing Number	13561
Size / Shape	300mm circular
Material Type	Clay
Total Length	97.2m
Maximum Sewer Depth to Invert	4.24m
Design Condition	Fully Deteriorated 6% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH20005465 (m)	
3.2	Note: Material Change PVC to VC
17.2	Survey abandoned, see downstream table for EPR limits

<b>Young Street (Asset No. MA20016457)</b>	<b>1st MH N of Portage Avenue to 2nd MH N of Portage Avenue</b>
<b>Combined Sewer</b>	
Drawing Number	13562
Size / Shape	300mm circular
Material Type	Clay
Total Length	86.7m
Maximum Sewer Depth to Invert	3.66m
Design Condition	Fully Deteriorated 2% ovality
<b>Site Specific Repairs</b>	
<b>Location</b>	<b>Action Required</b>
Distance from MH20014810 (m)	
2.4	Remove intruding service @ 2:00
13.2	Remove encrustation from pipe joint
13.4	Remove encrustation below service @ 2:00
17.1	Note: Material Change VC to PVC
19	Note: Material Change PVC to VC
20.5	Remove encrustation from pipe joint @ 7:00 to 10:00
47.7	Remove encrustation below service @ 10:00
49.1	Remove intruding service @ 2:00
54	Remove encrustation from pipe joint @ 7:00 to 11:00
55.6	Remove encrustation from pipe joint @ 7:00 to 11:00
57.9	Remove encrustation below service @ 2:00
61.3	Remove encrustation from pipe joint @ 1:00 to 3:00
64.7	Remove encrustation below service @ 2:00
70.1	Remove encrustation below service @ 10:00