

APPENDIX A – TABLE E2.3.6 SITE SPECIFIC DESIGN CONDITIONS AND REPAIR REQUIREMENTS

Full Segment Renovations

ASSINIBOINE AVE (ASSET NO. S-MA20014074)	1ST MH E OF EDMONTON ST (ASSET NO. MH20012741) TO MH AT CARLTON ST (ASSET NO. MH70016165)
Size/Shape	750 mm
Material	Brick
Total Length	60.5 m
Sewer Depth to Invert – maximum	4.1 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH20012741	
8.9	Solid debris removal, roots on pipe wall from 10:00 to 12:00
13.5	Remove intruding service @2:00
14.2 – 15.6	Solid debris removal, roots on pipe wall from 10:00 to 1:00
23.0	Solid debris removal, roots on pipe wall from 10:00 to 12:00
31.7	Remove intruding service @3:00
31.8 – 33.1	Displaced brick @12:00
38.0	Remove intruding service @3:00
54.0	Large Connection from 7:00 to 12:00
CHALMERS AV (ASSET NO. MA40008128)	2ND E OF WATT ST (ASSET NO. MH40007471) TO 1ST E OF WATT ST (ASSET NO. MH40007398)
Size/Shape	375 mm
Material	Concrete
Total Length	93.4 m
Sewer Depth to Invert – maximum	5.85 m
Design Condition	Partially Deteriorated 3%
Site Specific Repairs	
Location	Required Action
Distance From MH40007471	
9.1	Solid debris removal, encrustation at joint from 7:00 to 8:00
16.8	Solid debris removal, encrustation at joint from 7:00 to 8:00
18.2	Solid debris removal, encrustation at joint @7:00
19.8	Solid debris removal, encrustation at joint @5:00
20.5	Solid debris removal, encrustation at joint @5:00
27.5	Solid debris removal, encrustation at joint @5:00
29.8	Solid debris removal, encrustation at joint from 7:00 to 8:00
32.5	Solid debris removal, encrustation at joint from 7:00 to 8:00

34.2	Solid debris removal, encrustation at joint from 5:00 to 6:00
37.1	Solid debris removal, encrustation at joint from 5:00 to 6:00
37.9	Solid debris removal, encrustation at joint from 3:00 to 6:00
38.8	Solid debris removal, encrustation at joint from 7:00 to 5:00
41.8	Solid debris removal, encrustation at joint from 5:00 to 7:00
42.6	Solid debris removal, encrustation at joint from 3:00 to 5:00
50.1	Solid debris removal, encrustation at joint from 7:00 to 8:00
55.5	Solid debris removal, encrustation at joint from 1:00 to 5:00
57.8	Solid debris removal, encrustation at joint from 9:00 to 12:00
69.3	Solid debris removal, encrustation at joint from 7:00 to 12:00
70.1	Solid debris removal, encrustation at joint from 3:00 to 8:00
70.9	Solid debris removal, encrustation at joint from 7:00 to 9:00
82.2	Solid debris removal, encrustation at joint from 4:00 to 10:00
85.3	Solid debris removal, encrustation at joint from 4:00 to 6:00
92.2	Solid debris removal, encrustation at joint from 4:00 to 6:00

CHELSEA AV (ASSET NO. MA40005124)	1ST MH W OR ROCH ST (ASSET NO. MH40004665) TO 2ND MH W OF ROCH ST (ASSET NO. MH40004656)
Size/Shape	250 mm
Material	Vitrified Clay
Total Length	96.6 m
Sewer Depth to Invert – maximum	3.24 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40004665	
0.6	Remove intruding service @10:00
8.9	Solid debris removal, roots at service from 2:00 to 5:00
9.8	Solid debris removal, roots at service from 7:00 to 8:00
13.9	Solid debris removal, roots at service from 6:00 to 8:00
21.9	Remove intruding service @2:00
21.9	Remove intruding service @9:00
34.6	Remove intruding service @3:00
37.6	Solid debris removal, encrustation at joint at 12:00
38.8	Solid debris removal, encrustation at joint @3:00
40.9	Solid debris removal, encrustation at

	service @3:00
41.7	Solid debris removal, encrustation on pipe wall from 1:00 to 6:00
42.5	Solid debris removal, encrustation at joint from 8:00 to 4:00
47.8	Remove intruding service @9:00
48.4	Solid debris removal, encrustation at joint from 1:00 to 4:00
54.3	Solid debris removal, encrustation at service @4:00
59.6 – 60.2	External Point Repair (To Be Done by Others)
69.0	Remove intruding service @3:00
74.0-74.6	External Point Repair (To Be Done by Others)
79.7	Solid debris removal, roots at joint from 2:00 to 5:00
81.4	Remove intruding service @3:00
86.9 - 87.5	External Point Repair (To Be Done by Others)
93.7	Remove intruding service @2:00

COLVIN AV (ASSET NO. MA40006170)	MH AT ROCH ST (WPL) (ASSET NO. MH40005627) TO 1ST MH W OF ROCH ST (ASSET NO. MH40005626)
Size/Shape	300 mm
Material	Concrete
Total Length	98.1 m
Sewer Depth to Invert – maximum	2.71 m
Design Condition	Partially Deteriorated 8%
Site Specific Repairs	
Location	Required Action
Distance From MH40005627	
5.3	Remove intruding service @ 10:00
6.6 – 7.9	External Point Repair (To Be Done by Others)
11.5 -12.4	External Point Repair (To Be Done by Others)
34.8	Solid debris removal, encrustation at joint from 7:00 to 5:00
35.9	Solid debris removal, encrustation at service from 7:00 to 8:00
47.7	Remove intruding service @ 2:00
48.4	Remove intruding service @ 10:00
65.8	Remove intruding service @ 10:00
71.7	Remove intruding service @ 2:00
89.6	Solid debris removal, encrustation at service from 3:00 to 5:00
91.4	Remove intruding service @ 10:00

FLEMING AV (ASSET NO. 40004395)	1ST E OF GREY ST (ASSET NO. MH40004001) TO MH AT GREY ST (ASSET NO. MH40003195)
Size/Shape	300 mm
Material	Concrete
Total Length	108.5 m

Sewer Depth to Invert – maximum	4.29 m
Design Condition	Partially Deteriorated 8%
Site Specific Repairs	
Location	Required Action
Distance From MH40004001	
2.6	Solid debris removal, encrustation at joint from 10:00 to 5:00
9.8	Solid debris removal, encrustation at joint from 4:00 to 5:00
12.0	Solid debris removal, encrustation at service from 7:00 to 9:00
22.0 – 26.7	External Point Repair (To Be Done by Others)
30.1	Solid debris removal, encrustation at service from 7:00 to 10:00
30.4	Remove intruding service @ 3:00
40	Remove intruding service @ 9:00
40.8	Solid debris removal, encrustation at joint at 4:00
46.3	Solid debris removal, encrustation at joint from 4:00 to 7:00
47.0	Solid debris removal, encrustation at joint from 1:00 to 5:00
47.8	Solid debris removal, encrustation at joint from 2:00 to 5:00
55.6	Solid debris removal, encrustation at joint from 4:00 to 7:00
58.8	Solid debris removal, encrustation at joint at 8:00
63.9	Solid debris removal, encrustation at service from 10:00 to 3:00
67.6	Solid debris removal, encrustation at service from 9:00 to 11:00
68.2	Remove intruding service @ 2:00
70.0	Remove intruding service @ 2:00
76.7	Solid debris removal, encrustation at joint from 7:00 to 11:00
100.2	Solid debris removal, encrustation at joint from 4:00 to 5:00

FOXDALE AV (ASSET NO. MA40000134)	1ST MH E OF ROTHESAY ST (ASSET NO. MH40000105) TO INT OF ROTHESAY ST (ASSET NO. MH40000099)
Size/Shape	250 mm
Material	Concrete
Total Length	111.1 m
Sewer Depth to Invert – maximum	7.4 m
Design Condition	Partially Deteriorated 3%
Site Specific Repairs	
Location	Required Action
Distance From MH40000105	
5.4	Solid debris removal, gasket at joint from 11:00 to 4:00
33.9	Solid debris removal, encrustation at joint from 8:00 to 4:00
37.0	Solid debris removal, encrustation at joint from 1:00 to 4:00

42.8	Solid debris removal, encrustation at service from 8:00 to 5:00
42.9	Remove intruding service @ 10:00
44.6	Solid debris removal, encrustation at joint from 9:00 to 4:00
45.5	Solid debris removal, encrustation at joint from 7:00 to 5:00
67.9	Remove intruding service @ 2:00
68.1	Solid debris removal, encrustation at joint from 9:00 to 4:00
69.0 – 70.0	External Point Repair (To Be Done by Others)
104.4	Solid debris removal, gasket at joint from 7:00 to 12:00

FRASERS GROVE (ASSET NO. MA40002002)	1ST W OF HENDERSON HWY (ASSET NO. MH40001774) TO 2ND W OF HENDERSON HWY (ASSET NO. MH40001841)
Size/Shape	300 mm
Material	Concrete
Total Length	80.8 m
Sewer Depth to Invert – maximum	3.4 m
Design Condition	Partially Deteriorated 5%
Site Specific Repairs	
Location	Required Action
Distance From MH40001774	
0.0 – 2.0	External Point Repair (To Be Done by Others)
16.8	Remove intruding service @ 10:00
27.4	Solid debris removal, encrustation at joint from 5:00 to 7:00
33.3	Solid debris removal, encrustation on pipe wall from 3:00 to 6:00
34.4	Remove intruding service @10:00
35	Remove intruding service @2:00
36.8	Solid debris removal, encrustation on pipe wall from 2:00 to 6:00
37.6	Solid debris removal, encrustation on pipe wall from 8:00 to 10:00
52.9	Remove intruding service @2:00
57.6	Solid debris removal, encrustation at joint at 4:00
64.2	Solid debris removal, roots at joint from 7:00 to 12:00
65.0	Solid debris removal, roots at joint from 7:00 to 12:00
67.8	Solid debris removal, roots at joint from 7:00 to 12:00

GOVERNMENT AV (ASSET NO. MA40007948)	1ST W OF GREY ST (ASSET NO. MH40007264) TO MH AT GREY ST (W OF CL) (ASSET NO. MH40007295)
Size/Shape	300 mm
Material	Vitrified Clay
Total Length	86.8 m
Sewer Depth to Invert – maximum	4.82 m

Design Condition	Partially Deteriorated 3%
Site Specific Repairs	
Location	Required Action
Distance From MH40007264	
0.0	Solid debris removal, roots at joint from 3:00 to 8:00
0.6	Solid debris removal, roots at joint from 3:00 to 8:00
2.5	Solid debris removal, roots at joint from 4:00 to 8:00
3.2	Solid debris removal, roots at joint at 8:00
4.0	Solid debris removal, roots at joint at 8:00
4.8	Solid debris removal, roots at joint from 3:00 to 10:00
5.1	Solid debris removal, encrustation at service at 3:00
5.6	Solid debris removal, roots at joint from 3:00 to 8:00
12.8	Solid debris removal, encrustation at service at 3:00
14.2 – 14.6	Solid debris removal, encrustation on pipe wall at 9:00
15.1	Remove intruding service @ 2:00
15.1	Solid debris removal, encrustation on pipe wall at 5:00
15.7	Solid debris removal, roots at joint from 3:00 to 10:00
16.4	Solid debris removal, encrustation at joint from 4:00 to 9:00
28.7	Solid debris removal, encrustation at joint from 7:00 to 8:00
39.5	Solid debris removal, encrustation at service from 7:00 to 3:00
44.0	Remove intruding service @ 2:00
44.0 – 44.9	Solid debris removal, encrustation on pipe wall from 7:00 to 3:00
47.7	Remove intruding service @ 2:00
54.5 – 55.0	Solid debris removal, encrustation on pipe wall at 1:00
61.4 – 64.5	External Point Repair (To Be Done by Others)
66.6 – 67.7	Solid debris removal, encrustation on pipe wall from 3:00 to 11:00
70.2 -70.9	Solid debris removal, encrustation on pipe wall from 9:00 to 3:00
74.8	Solid debris removal, encrustation on pipe wall from 3:00 to 5:00
78.1	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
81.7	Solid debris removal, encrustation on pipe wall from 7:00 to 9:00

GREENE AV (ASSET NO. MA40006303)	MH AT WATT ST (ASSET NO. MH40005754) TO 2ND MH E OF ROCH ST (ASSET NO. MH40005782)
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Size/Shape	375 mm
Material	Concrete
Total Length	119.2 m
Sewer Depth to Invert – maximum	4.13 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40005754	
1.3	Solid debris removal, encrustation at service from 1:00 to 5:00
5.2	Solid debris removal, encrustation at joint from 1:00 to 5:00
10.7	Solid debris removal, encrustation at joint from 4:00 to 9:00
11.4	Solid debris removal, encrustation at joint from 7:00 to 5:00
13.0	Solid debris removal, encrustation at
14.5 – 17.3	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
16.8	Solid debris removal, encrustation at service at 10:00
19.3	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
19.8	Solid debris removal, encrustation at joint from 1:00 to 5:00
20.7	Solid debris removal, encrustation at joint from 1:00 to 5:00
21.5	Solid debris removal, encrustation at joint from 7:00 to 5:00
25.3	Solid debris removal, encrustation at joint from 9:00 to 5:00
26	Solid debris removal, encrustation at joint from 8:00 to 4:00
26.8	Solid debris removal, encrustation at joint from 9:00 to 12:00
27.5	Solid debris removal, encrustation at joint from 8:00 to 4:00
28.4	Solid debris removal, encrustation at joint from 8:00 to 4:00
29.1	Solid debris removal, encrustation at joint at 10:00
29.3	Solid debris removal, encrustation at joint at 9:00
29.9	Solid debris removal, encrustation at joint from 8:00 to 4:00
30.2	Solid debris removal, encrustation at service from 3:00 to 5:00
30.6	Solid debris removal, encrustation at joint from 1:00 to 3:00
30.7	Solid debris removal, encrustation at joint at 10:00
31.4	Solid debris removal, encrustation at joint from 8:00 to 4:00
32.3	Solid debris removal, encrustation at joint from 8:00 to 4:00
32.7	Solid debris removal, encrustation at joint from 10:00 to 11:00

33.2	Solid debris removal, encrustation at joint at 2:00
33.8	Solid debris removal, encrustation at joint from 8:00 to 4:00
35.4	Solid debris removal, encrustation at joint from 8:00 to 4:00
36	Solid debris removal, encrustation at joint from 8:00 to 4:00
37	Solid debris removal, encrustation at joint from 8:00 to 4:00
37.8	Solid debris removal, encrustation at joint from 8:00 to 5:00
39.3	Solid debris removal, encrustation at joint from 3:00 to 5:00
40	Solid debris removal, encrustation at joint from 3:00 to 5:00
41	Solid debris removal, encrustation at service at 4:00
51.9	Solid debris removal, roots at joint from 2:00 to 5:00
52.5	Solid debris removal, encrustation at joint from 2:00 to 7:00
55.5	Solid debris removal, encrustation at joint at 7:00
60	Solid debris removal, encrustation at service from 2:00 to 5:00
61.4	Solid debris removal, encrustation at service from 3:00 to 4:00
61.7	Solid debris removal, encrustation at joint from 4:00 to 5:00
69.6	Solid debris removal, encrustation at joint from 7:00 to 8:00
69.9	Solid debris removal, encrustation at service from 2:00 to 4:00
71.2	Solid debris removal, encrustation at joint at 5:00
83.7	Solid debris removal, encrustation at joint from 5:00 to 7:00
99.3	Solid debris removal, encrustation at joint at 8:00
99.8	Solid debris removal, encrustation at service from 1:00 to 5:00

GREENE AV (ASSET NO. MA40006329)	2ND W OF GOLSPIE ST (ASSET NO. MH40005763) TO MH AT WALL ST (ASSET NO. MH40005782)
Size/Shape	375 mm
Material	Concrete
Total Length	120.0 m
Sewer Depth to Invert – maximum	4.13 m
Design Condition	Partially Deteriorated 8%
Site Specific Repairs	
Location	Required Action
Distance From MH40005763	
20.5	Solid debris removal, encrustation at joint from 7:00 to 8:00

21.1	Solid debris removal, encrustation at joint from 4:00 to 5:00
30.5 – 34.6	External Point Repair (To Be Done by Others)
44.0	Solid debris removal, roots at service at 2:00
48.7	Solid debris removal, roots at service from 7:00 to 10:00
58.0 – 59.3	Solid debris removal, roots on pipe wall from 7:00 to 8:00
59.3	Solid debris removal, roots at service from 5:00 to 11:
60.0	Solid debris removal, encrustation at joint at 5:00
60.2 – 61.4	Solid debris removal, encrustation on pipe wall from 3:00 to 8:00
61.4	Solid debris removal, encrustation on pipe wall at 8:00
64.2	Solid debris removal, roots at service at 10:00
74.8	Solid debris removal, encrustation at service from 3:00 to 5:00 service from 3:00 to 5:00 debris removal, encrust
77.0	Solid debris removal, encrustation at joint at 5:00
78.1	Solid debris removal, encrustation at service from 7:00 to 11:00
85.0	Remove intruding service @ 10:00
89.8	Solid debris removal, encrustation at service at 2:00
104.0	Solid debris removal, encrustation at service from 7:00 to 11:00
115.1	Solid debris removal, encrustation at joint from 4:00 to 8:00

HAZELL DELL AV (ASSET NO. MA70004532)	2ND MH W OF ROCH ST (ASSET NO. MH40006147) TO MH AT BRAZIER ST (ASSET NO. MH40006142)
Size/Shape	300 mm
Material	Concrete
Total Length	94.5 m
Sewer Depth to Invert – maximum	4.62 m
Design Condition	Partially Deteriorated 8%
Site Specific Repairs	
Location	Required Action
Distance From MH40006147	
3.2	Solid debris removal, encrustation at joint from 7:00 to 5:00
3.8	Solid debris removal, encrustation at joint from 7:00 to 5:00
4.7	Solid debris removal, encrustation at joint from 7:00 to 5:00
5.0	Solid debris removal, encrustation at service from 7:00 to 11:00
5.5	Solid debris removal, encrustation at joint from 7:00 to 5:00
5.7	Solid debris removal, encrustation at

	service from 2:00 to 5:00
6.3	Solid debris removal, encrustation at joint from 7:00 to 12:00
7.0	Solid debris removal, encrustation at joint from 7:00 to 12:00
7.7	Solid debris removal, encrustation at joint from 7:00 to 5:00
8.6	Solid debris removal, encrustation at joint from 7:00 to 11:00
10.1	Solid debris removal, encrustation at joint from 1:00 to 5:00
10.8	Solid debris removal, encrustation at joint from 7:00 to 5:00
11.6	Solid debris removal, encrustation at joint from 7:00 to 9:00
13.1	Solid debris removal, encrustation at joint from 7:00 to 5:00
13.9	Solid debris removal, encrustation at joint from 7:00 to 5:00
14.6	Solid debris removal, encrustation at joint from 7:00 to 5:00
15.5	Solid debris removal, encrustation at joint from 7:00 to 5:00
16.3	Solid debris removal, encrustation at joint from 7:00 to 5:00
16.6 – 20.8	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
17.0	Solid debris removal, encrustation at joint from 7:00 to 12:00
17.7	Solid debris removal, encrustation at joint from 7:00 to 12:00
18.6	Solid debris removal, encrustation at joint from 7:00 to 12:00
18.7	Solid debris removal, encrustation at joint from 7:00 to 12:00
19.3	Solid debris removal, encrustation at joint from 7:00 to 12:00
19.6	Solid debris removal, encrustation at service from 2:00 to 4:00
20.1	Solid debris removal, encrustation at joint from 7:00 to 5:00
20.8	Solid debris removal, encrustation at joint from 7:00 to 12:00
21.1	Solid debris removal, encrustation at service from 9:00 to 11:00
21.6	Solid debris removal, encrustation at joint from 7:00 to 5:00
22.4	Solid debris removal, encrustation at joint from 7:00 to 5:00
23.1	Solid debris removal, encrustation at joint from 7:00 to 5:00
24.0	Solid debris removal, encrustation at joint from 7:00 to 5:00
24.7	Solid debris removal, encrustation at joint from 7:00 to 5:00
25.5	Solid debris removal, encrustation at joint from 7:00 to 5:00
26.3	Solid debris removal, encrustation at joint from 7:00 to 5:00

26.9	Solid debris removal, encrustation on joint from 7:00 to 5:00
26.9 – 29.8	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
27.9	Solid debris removal, encrustation at joint from 7:00 to 12:00
28.6	Solid debris removal, encrustation at joint from 7:00 to 5:00
29.3	Solid debris removal, encrustation at joint from 7:00 to 5:00
33.0 – 34.0	External Point Repair (To Be Done by Others)
36.9	Solid debris removal, encrustation at joint from 7:00 to 12:00
38.7	Solid debris removal, encrustation at joint from 2:00 to 5:00
38.8	Remove intruding service @ 9:00
39	Solid debris removal, encrustation on pipe wall from 7:00 to 12:00
39.3	Solid debris removal, encrustation at joint from 7:00 to 5:00
39.6	Solid debris removal, encrustation at service from 2:00 to 5:00
40.0	Solid debris removal, encrustation at joint from 2:00 to 5:00
40.0 – 41.0	Solid debris removal, encrustation on pipe wall from 7:00 to 12:00
40.9	Solid debris removal, encrustation at joint from 7:00 to 12:00
44.6	Solid debris removal, encrustation at joint from 2:00 to 5:00
45.4	Solid debris removal, encrustation at joint from 2:00 to 5:00
49	Remove intruding service @ 3:00
50.8	Solid debris removal, encrustation at joint from 7:00 to 5:00
51.6	Solid debris removal, encrustation at joint from 7:00 to 5:00
52.3	Solid debris removal, encrustation at joint from 7:00 to 5:00
53.2	Solid debris removal, encrustation at joint from 1:00 to 5:00
54.6	Solid debris removal, encrustation at joint from 1:00 to 5:00
56.9	Solid debris removal, encrustation at joint from 7:00 to 5:00
57.7	Solid debris removal, encrustation at joint from 1:00 to 5:00
58.5	Solid debris removal, encrustation at joint from 7:00 to 5:00
58.5 – 59.1	Solid debris removal, encrustation on pipe wall at 8:00
60.9	Solid debris removal, encrustation at service from 4:00 to 5:00
61.7	Solid debris removal, encrustation at service from 4:00 to 5:00
66.1	Solid debris removal, encrustation at joint from 1:00 to 5:00

66.9	Solid debris removal, encrustation at joint from 7:00 to 5:00
68.4	Solid debris removal, encrustation at joint from 7:00 to 11:00
69.2	Solid debris removal, encrustation at joint from 7:00 to 11:00
69.4	Solid debris removal, encrustation at service from 7:00 to 5:00
70.3	Solid debris removal, encrustation at service from 3:00 to 5:00
71.8	Solid debris removal, encrustation at joint from 7:00 to 5:00
73	Solid debris removal, encrustation at joint from 1:00 to 4:00
75.3	Solid debris removal, encrustation at joint from 7:00 to 3:00
76.1	Solid debris removal, encrustation at joint from 1:00 to 4:00
76.2	Solid debris removal, encrustation at joint from 7:00 to 5:00
80.6	Solid debris removal, encrustation at joint from 12:00 to 5:00
82.2	Solid debris removal, encrustation at joint from 1:00 to 5:00
89.7	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
91.8	Solid debris removal, encrustation at joint from 7:00 to 11:00
93.0 – 94.5	External Point Repair (To Be Done by Others)

HAZELL DELL AV (ASSET NO. MA40006122)	1ST MH E OF ROCH ST (ASSET NO. MH40006019) TO 2ND MH E OF ROCH ST (ASSET NO. MH40005576)
Size/Shape	300 mm
Material	Concrete
Total Length	120.5 m
Sewer Depth to Invert – maximum	4.05 m
Design Condition	Partially Deteriorated 8%
Site Specific Repairs	
Location	Required Action
Distance From MH40006019	
1.0	Solid debris removal, roots at service at 10:00
7.0 – 8.0	External Point Repair (To Be Done by Others)
18.7	Solid debris removal, encrustation at joint from 9:00 to 12:00
19.5	Solid debris removal, encrustation at joint from 9:00 to 3:00
22.0 – 23.0	External Point Repair (To Be Done by Others)
26.6	Solid debris removal, encrustation at joint from 8:00 to 4:00
36.9	Solid debris removal, encrustation at service from 9:00 to 2:00
45.7	Solid debris removal, encrustation at

	service from 2:00 to 4:00
55.6	Solid debris removal, roots at service from 2:00 to 4:00
57.1	Solid debris removal, roots at joint from 4:00 to 8:00
58.4	Solid debris removal, roots at joint from 7:00 to 10:00
60.8	Remove intruding service @ 2:00
61.8	Solid debris removal, encrustation at service from 3:00 to 5:00
66.0	Solid debris removal, encrustation at joint from 7:00 to 5:00
67.2	Solid debris removal, encrustation at joint from 7:00 to 5:00
68.0	Solid debris removal, encrustation at joint from 7:00 to 5:00
68.9	Solid debris removal, encrustation at service at 10:00
83.0	Solid debris removal, roots at service at 10:00
102.4	Solid debris removal, roots at service at 3:00
112.4	Solid debris removal, encrustation at joint at 5:00

HELMSDALE AV (ASSET NO. MA40006404)	1ST MH E OF HENDERSON HWY (ASSET NO. MH40005914) TO 1ST MH W OF HENDERSON HWY (ASSET NO. MH40005874)
Size/Shape	225 mm
Material	Concrete
Total Length	2.90 m
Sewer Depth to Invert – maximum	153.0 m
Design Condition	Partially Deteriorated 8%
Site Specific Repairs	
Location	Required Action
Distance From MH40005914	
16.4	Solid debris removal, roots at joint from 7:00 to 5:00
17.0	Solid debris removal, roots at joint from 4:00 to 5:00
18.9	Solid debris removal, roots at joint from 7:00 to 5:00
19.5	Solid debris removal, roots at joint from 7:00 to 5:00
20.1	Solid debris removal, roots at joint from 7:00 to 5:00
21.4	Solid debris removal, roots at joint from 7:00 to 5:00
22.0	Solid debris removal, roots at joint from 8:00 to 5:00
22.6	Solid debris removal, roots at joint from 9:00 to 4:00
23.2	Solid debris removal, roots at joint from 2:00 to 6:00
23.8	Solid debris removal, roots at joint from 1:00 to 11:00

24.1	Solid debris removal, roots at service from 1:00 to 5:00
27.2	Solid debris removal, encrustation at joint at 3:00
32.3	Solid debris removal, roots at joint from 3:00 to 9:00
33.0	Solid debris removal, roots at joint from 5:00 to 9:00
33.7	Solid debris removal, roots at joint from 3:00 to 9:00
35.5	Solid debris removal, roots at joint from 3:00 to 9:00
36.8	Solid debris removal, roots at joint from 5:00 to 6:00
55.3	Remove intruding service @ 10:00
67.0 – 68.0	External Point Repair (To Be Done by Others)
98.3 – 101.4	Siphon
108.7 – 109.5	External Point Repair (To Be Done by Others)
118.0 – 118.5	External Point Repair (To Be Done by Others)
124.5	Remove intruding service @ 9:00
133.2	Solid debris removal, roots at joint from 2:00 to 5:00
133.2	Remove intruding service @ 3:00
134.7	Solid debris removal, roots at joint from 3:00 to 9:00
135.4	Solid debris removal, roots at joint from 9:00 to 12:00
136	Solid debris removal, roots at joint from 9:00 to 4:00
137.3	Solid debris removal, roots at joint from 3:00 to 5:00
137.9	Solid debris removal, roots at joint from 3:00 to 7:00
138.6	Solid debris removal, roots at joint from 5:00 to 9:00
139.7	Solid debris removal, roots at joint from 8:00 to 4:00
142.1	Solid debris removal, roots at joint from 4:00 to 10:00
143.4	Solid debris removal, roots at joint from 2:00 to 4:00
144.0	Solid debris removal, roots at joint from 3:00 to 9:00
145.2	Solid debris removal, roots at joint from 2:00 to 5:00
146.5	Solid debris removal, roots at joint from 7:00 to 9:00
149	Solid debris removal, encrustation at joint from 2:00 to 6:00
150.2	Solid debris removal, encrustation at joint from 3:00 to 9:00
152	Solid debris removal, roots at joint at 3:00
152.7	Solid debris removal, roots at joint at 3:00

153.2	Solid debris removal, roots at joint from 2:00 to 5:00
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HELMSDALE AV (ASSET NO. MA40005163)	1ST MH W OF WATT ST (ASSET NO. MH40005956) TO MH AT WATT ST (ASSET NO. MH40003903)
Size/Shape	375 mm
Material	Concrete
Total Length	123.8 m
Sewer Depth to Invert – maximum	4.42 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40005956	
0.6	Solid debris removal, encrustation at joint at 4:00
1.2	Solid debris removal, encrustation at joint from 1:00 to 5:00
8.5	Solid debris removal, encrustation at service from 2:00 to 3:00
16.2	Solid debris removal, encrustation at joint at 4:00
25.6	Solid debris removal, encrustation at joint from 7:00 to 4:00
27.1	Solid debris removal, encrustation at joint from 7:00 to 5:00
27.9	Solid debris removal, encrustation at joint from 7:00 to 5:00
29.5	Solid debris removal, encrustation at joint from 1:00 to 4:00
30.1	Solid debris removal, encrustation at joint from 9:00 to 4:00
32.5	Solid debris removal, encrustation at joint from 7:00 to 5:00
33.4	Solid debris removal, encrustation at joint from 3:00 to 5:00
35.0 – 37.0	External Point Repair (To Be Done by Others)
40.2 – 40.8	External Point Repair (To Be Done by Others)
58.0 – 59.7	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
60.3	Solid debris removal, encrustation at joint from 8:00 to 5:00
65.4	Solid debris removal, encrustation at service from 3:00 to 5:00
77.5	Remove intruding service @ 3:00
78	Remove intruding service @ 8:00
80.6	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
81.5	Solid debris removal, encrustation at service from 7:00 to 5:00
87.4	Solid debris removal, encrustation at joint at 7:00
106.8	Solid debris removal, encrustation at joint from 3:00 to 5:00
119.4	Solid debris removal, encrustation at

	joint at 7:00
HELMSDALE AV (ASSET NO. MA40006500)	MH AT ROCH ST (ASSET NO. MH40005973) TO 1ST MH E OF ROCH ST (ASSET NO. MH40005941)
Size/Shape	300 mm
Material	Concrete
Total Length	124.6 m
Sewer Depth to Invert – maximum	3.37 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40005941	
28.5	Solid debris removal, encrustation at joint from 7:00 to 11:00
33.3 – 34.0	Solid debris removal, encrustation on pipe wall at 8:00
62.9	Solid debris removal, encrustation at joint at 4:00
68.0 – 69.0	External Point Repair (To Be Done by Others)
78.5	Solid debris removal, encrustation at joint at 4:00
89.9 – 90.3	Solid debris removal, encrustation at joint at 4:00
91.8	Solid debris removal, encrustation at joint at 8:00
96.5	Solid debris removal, encrustation at joint from 5:00 to 6:00
97.3	Solid debris removal, encrustation at joint from 2:00 to 5:00
102.8	Solid debris removal, encrustation at joint at 4:00
104.3	Solid debris removal, encrustation at joint from 2:00 to 5:00
105.1	Solid debris removal, encrustation at joint from 7:00 to 5:00
105.5 – 105.9	Solid debris removal, encrustation on pipe wall from 4:00 to 6:00
105.9	Solid debris removal, encrustation at joint from 7:00 to 5:00
106.6	Solid debris removal, encrustation at joint from 7:00 to 5:00
107.5	Solid debris removal, encrustation at joint from 7:00 to 5:00
108.2	Solid debris removal, encrustation at joint from 4:00 to 9:00
110.7 – 113.0	Solid debris removal, encrustation on pipe wall from 4:00 to 7:00
113.7	Solid debris removal, encrustation at joint at 5:00
114.5	Solid debris removal, encrustation at joint from 4:00 to 5:00
115.3	Solid debris removal, encrustation at joint at 5:00
116.8	Solid debris removal, encrustation at joint at 4:00

117.6 – 119.6	External Point Repair (To Be Done by Others)
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HENDERSON HWY (ASSET NO. MA40008616)	MH AT JOHNSON AV W (ASSET NO. MH40007897) TO MH AT POPLAR AV (ASSET NO. MH40007841)
Size/Shape	750 mm
Material	Concrete
Total Length	102.0 m
Sewer Depth to Invert – maximum	6.62 m
Design Condition	Fully Deteriorated 5%
Site Specific Repairs	
Location	Required Action
Distance From MH40007897	
18.0	Solid debris removal, encrustation at service from 2:00 to 5:00
19.3	Solid debris removal, encrustation at joint from 7:00 to 5:00
22.9	Solid debris removal, roots at service from 1:00 to 5:00
44.3	Solid debris removal, roots at service from 7:00 to 12:00
55.6	Solid debris removal, encrustation at service from 9:00 to 11:00
59.4	Solid debris removal, encrustation at service at 12:00
60.0	Solid debris removal, encrustation at service from 2:00 to 6:00
64.0	Solid debris removal, encrustation at service from 12:00 to 5:00
67.3	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
68.2 – 68.4	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
69.6	Solid debris removal, encrustation at service at 9:00
71.2	Solid debris removal, encrustation at service from 1:00 to 3:00

HOSKINS AV (ASSET NO. MA40007866)	MH AT LONDON ST (ASSET NO. MH40007179) TO 1ST MH W OF LONDON ST (ASSET NO. MH40007164)
Size/Shape	300 mm
Material	Concrete
Total Length	108.1 m
Sewer Depth to Invert – maximum	4.18 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40007179	
17.9	Solid debris removal, encrustation at joint at 4:00
34.1	Solid debris removal, encrustation at joint at 8:00
35.8	Solid debris removal, encrustation at joint from 7:00 to 9:00

42.8 – 50.3	External Point Repair (To Be Done by Others)
58.3 – 62.1	External Point Repair (To Be Done by Others)
68.0	Remove intruding service @ 2:00
75.2	Solid debris removal, encrustation at joint from 7:00 to 8:00
88.1	Remove intruding service @ 3:00
101.1	Remove intruding service @ 3:00

JOHNSON AV W (ASSET NO. MA40008875)	MH AT ROCH ST (ASSET NO. MH40008062) TO 1ST MH W OF ROCH ST (ASSET NO. MH40008092)
Size/Shape	375 mm
Material	Vitrified Clay
Total Length	104.7 m
Sewer Depth to Invert – maximum	4.19 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40000061	
16.4	Solid debris removal, encrustation at service from 2:00 to 5:00
17.6	Solid debris removal, encrustation at joint from 9:00 to 3:00
17.8	Solid debris removal, encrustation on pipe wall from 12:00 to 3:00
18.7	Solid debris removal, encrustation on pipe wall from 9:00 to 3:00
19.2	Solid debris removal, encrustation at joint from 9:00 to 3:00
19.9 – 21.2	Solid debris removal, encrustation on pipe wall from 12:00 to 9:00
21.5 – 22.1	Solid debris removal, encrustation on pipe wall from 12:00 to 6:00
23.6 – 26.3	External Point Repair (To Be Done by Others)
26.5 – 27.2	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
27.6 – 28.1	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
30.5	Remove intruding service @3:00
30.8	Solid debris removal, encrustation at joint from 2:00 to 5:00
31.7	Solid debris removal, encrustation at joint @7:00
39.2	Solid debris removal, encrustation at service @9:00
44.5 – 44.9	Solid debris removal, encrustation on pipe wall @12:00
46.2	Solid debris removal, encrustation at joint @2:00
48.1	Solid debris removal, encrustation at joint from 12:00 to 5:00
49.1	Solid debris removal, encrustation on pipe wall @12:00

51.1	Solid debris removal, encrustation at joint from 3:00 to 5:00
54.6	Solid debris removal, encrustation at service from 7:00 to 9:00
55.5	Solid debris removal, encrustation at joint from 3:00 to 5:00
66.6	Remove intruding service @10:00
67.0	Solid debris removal, encrustation at joint @7:00
71.9	Solid debris removal, encrustation at joint from 3:00 to 5:00
72.7	Solid debris removal, encrustation at joint from 3:00 to 5:00
97.7	Solid debris removal, encrustation at service from 7:00 to 10:00
99.8 – 100.3	Solid debris removal, encrustation on pipe wall @8:00
103.4	Solid debris removal, encrustation on pipe wall @12:00
103.8 – 104.4	Solid debris removal, encrustation on pipe wall from 3:00 to 9:00

JOHNSON AV W (ASSET NO. MA40008858)	1ST MH E OF ROCH ST (ASSET NO. MH40000061) TO MH AT ROCH ST (ASSET NO. MH40008062)
Size/Shape	300 mm
Material	Vitrified Clay
Total Length	109.4 m
Sewer Depth to Invert – maximum	3.87 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40000061	
15.0	Solid debris removal, encrustation at service from 7:00 to 9:00
15.3	Solid debris removal, encrustation at joint from 7:00 to 9:00
18.2	Solid debris removal, encrustation at joint at 8:00
22.8	Solid debris removal, encrustation at service at 3:00
36.4	Solid debris removal, encrustation on pipe wall from 7:00 to 8:00
51.6 – 54.7	External Point Repair (To Be Done by Others)
98.8	Solid debris removal, encrustation at service from 7:00 to 8:00

KILDONAN DR (ASSET NO. MA40006916)	1ST MH N OF KIMBERLEY AV (ASSET NO. MH40006325) TO MH AT HELMSDALE AV (ASSET NO. MH40006328)
Size/Shape	450 mm
Material	Concrete
Total Length	90.6 m
Sewer Depth to Invert – maximum	4.86 m
Design Condition	Fully Deteriorated 10%

Site Specific Repairs	
Location	Required Action
Distance From MH40006325	
17.8	Solid debris removal, encrustation at joint from 3:00 to 4:00
72.8	Infiltration - gusher
79.1 – 83.8	External Point Repair (To Be Done by Others)

KILDONAN DR (ASSET NO. MA40001834)	MH AT MOSSDALE AV (ASSET NO. MH40001661) TO MH AT LEIGHTON AV (ASSET NO. MH40001636)
Size/Shape	600 mm
Material	Concrete
Total Length	89.3 m
Sewer Depth to Invert – maximum	5.49 m
Design Condition	Partially Deteriorated 8%
Site Specific Repairs	
Location	Required Action
Distance From MH40001834	
51.7	Observation - Metal Plates

KIMBERLEY AV (ASSET NO. MA40004294)	2ND MH W OF GOLSPIE ST (ASSET NO. MH40003934) TO MH AT WATT ST (ASSET NO. MH40003902)
Size/Shape	300 mm
Material	Concrete
Total Length	121.1 m
Sewer Depth to Invert – maximum	5.09m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40003934	
0.6	Solid debris removal, encrustation at joint at 6:00
4.7	Solid debris removal, encrustation at joint at 8:00
9.5 – 13.3	External Point Repair (To Be Done by Others)
17.8 – 25.0	External Point Repair (To Be Done by Others)
28.1	Solid debris removal, encrustation at joint at 5:00
33.5	Solid debris removal, encrustation at joint from 7:00 to 10:00
34.1	Solid debris removal, encrustation at joint from 5:00 to 7:00
38.4	Solid debris removal, encrustation at joint at 5:00
41.7	Solid debris removal, encrustation on pipe wall from 3:00 to 5:00
43.0 – 43.5	Solid debris removal, encrustation on pipe wall from 7:00 to 9:00
45.4 – 46.2	Solid debris removal, encrustation on pipe wall from 4:00 to 8:00

46.3	Remove intruding service @ 9:00
46.6	Remove intruding service @ 2:00
46.6 – 47.5	Solid debris removal, encrustation at joint from 8:00 to 4:00
52.8	Solid debris removal, encrustation at joint from 5:00 to 9:00
55.2	Solid debris removal, encrustation at joint from 7:00 to 5:00
55.9	Solid debris removal, encrustation at joint from 3:00 to 11:00
58.2	Solid debris removal, encrustation at joint from 3:00 to 5:00
63.2	Solid debris removal, encrustation at service from 7:00 to 10:00
63.8	Solid debris removal, encrustation at service from 2:00 to 6:00
65.2	Solid debris removal, encrustation at service from 7:00 to 9:00
67.6	Solid debris removal, encrustation at service from 3:00 to 7:00
70.0 – 76.5	External Point Repair (To Be Done by Others)
88.0 – 89.0	External Point Repair (To Be Done by Others)
90.6	Solid debris removal, encrustation at joint from 7:00 to 8:00

LACY ST (ASSET NO. MA40008706)		MH AT GORDON AV (ASSET NO. MH40008028) TO MH AT DEARBORN (ASSET NO. MH40007930)	
Size/Shape		300 mm	
Material		Clay	
Total Length		66.9 m	
Sewer Depth to Invert – maximum		2.63 m	
Design Condition		Fully Deteriorated 10%	
Site Specific Repairs			
Location		Required Action	
Distance From MH40008028		Bend in sewer	
28.2 – 31.6		External Point Repair (To Be Done by Others)	
45.5 – 48.2		External Point Repair (To Be Done by Others)	
64.8		Line deviates left, large block of ice	

LARSEN AV (ASSET NO. MA40003429)		2ND MH E OF BRAZIER AV (ASSET NO. MH40004778) TO 3RD MH E OF BRAZIER (ASSET NO. MH40008141)	
Size/Shape		300 mm	
Material		Vitrified Clay	
Total Length		101.3 m	
Sewer Depth to Invert – maximum		3.58 m	
Design Condition		Fully Deteriorated 10%	
Site Specific Repairs			
Location		Required Action	
Distance From MH40004778			
0.6		Solid debris removal, encrustation at	

	joint from 3:00 to 6:00
5.3	Solid debris removal, encrustation at service at 3:00
10.6	Solid debris removal, encrustation at joint from 2:00 to 8:00
11.2	Solid debris removal, encrustation at joint from 3:00 to 5:00
13.5	Solid debris removal, encrustation at joint from 4:00 to 5:00
24.8	Solid debris removal, encrustation at service at 10:00
26.0	Solid debris removal, encrustation at joint from 4:00 to 5:00
27.3	Solid debris removal, encrustation at joint from 3:00 to 5:00
36.0	Solid debris removal, encrustation on pipe wall from 3:00 to 6:00
39.6	Solid debris removal, encrustation at joint from 7:00 to 10:00
53.1	Solid debris removal, encrustation at joint from 7:00 to 12:00
56.3	Solid debris removal, encrustation at service from 7:00 to 10:00
58.8	Solid debris removal, encrustation at joint from 2:00 to 8:00
59.4	Solid debris removal, encrustation at joint from 3:00 to 5:00
61.1	Solid debris removal, encrustation at joint from 3:00 to 6:00
62.5	Solid debris removal, encrustation at joint from 3:00 to 5:00
71.2	Solid debris removal, encrustation at joint from 7:00 to 5:00
71.7	Solid debris removal, encrustation at joint from 7:00 to 5:00
74.6	Solid debris removal, encrustation at joint at 8:00
79.6	Solid debris removal, encrustation at joint at 5:00
80.3	Solid debris removal, encrustation at joint at 5:00
82.1	Solid debris removal, encrustation at joint from 7:00 to 8:00
82.7	Solid debris removal, encrustation at joint at 7:00
87.0	Solid debris removal, encrustation at joint from 3:00 to 5:00
94.9 – 96.5	External Point Repair (To Be Done by Others)

LEIGHTON AV (ASSET NO. MA40001887)	MH AT WOODVALE ST (ASSET NO. MH40001691) TO 1ST MH W OF WOODVALE ST (ASSET NO. MH40001665)
Size/Shape	600 mm
Material	Concrete
Total Length	111.3 m
Sewer Depth to Invert – maximum	4.26 m

Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40001691	
1.9 – 23.0	Solid debris removal, encrustation on pipe wall from 2:00 to 10:00
1.9 – 23.0	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
24.1	Solid debris removal, encrustation on pipe wall at 9:00
27.6	Remove intruding service @ 9:00
27.6	Solid debris removal, roots at service from 7:00 to 9:00
29.0 – 38.2	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
29.0 – 38.2	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
38.7	Solid debris removal, encrustation at service from 7:00 to 8:00
39.4 – 41.0	Solid debris removal, encrustation on pipe wall from 7:00 to 8:00
41.0	Solid debris removal, encrustation on pipe wall from 9:00 to 10:00
42.3 – 53.9	Solid debris removal, encrustation on pipe wall from 1:00 to 4:00
42.3 – 53.9	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
59.4	Solid debris removal, encrustation at service from 7:00 to 10:00
59.6	Solid debris removal, encrustation at service from 1:00 to 4:00
76.4	Solid debris removal, stick at joint
84.6	Solid debris removal, encrustation on pipe wall from 3:00 to 4:00
85.0 – 101.7	Solid debris removal, encrustation on pipe wall from 1:00 to 4:00
85.0 – 101.7	Solid debris removal, encrustation on pipe wall from 5:00 to 9:00

LEIGHTON AV (ASSET NO. MA40001863)	1 ST MH W OF WOODVALE ST (ASSET NO. MH40001665) TO 2 ND MH W OF WOODVALE ST (ASSET NO. MH40001666)
Size/Shape	600 mm
Material	Concrete
Total Length	109.6 m
Sewer Depth to Invert – maximum	4.38 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40001665	
2.0	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
2.9	Solid debris removal, encrustation at joint from 7:00 to 5:00
5.1	Solid debris removal, encrustation on pipe wall from 8:00 to 10:00
7.3	Solid debris removal, encrustation at

	service at 10:00
9.7	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
27.9 – 29.5	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
33.7	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
36.3 – 38.0	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
40.1	Solid debris removal, encrustation on pipe wall at 9:00
40.7	Solid debris removal, encrustation on pipe wall from 8:00 to 10:00
41.6	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
42.1	Solid debris removal, encrustation on pipe wall from 8:00 to 10:00
43.5	Solid debris removal, encrustation at joint from 7:00 to 5:00
43.6 – 44.7	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
52.8	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
53.5	Solid debris removal, roots at service at 2:00
59.2 – 60.1	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
68.1	Solid debris removal, roots at service at 2:00
68.2	Solid debris removal, roots at service at 10:00
78.8	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
83.0	Solid debris removal, roots at service at 2:00
87.3	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
88.5	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
90.0	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
91.0	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
91.8	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
93.1 – 95.0	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
95.0	Solid debris removal, encrustation at joint from 7:00 to 5:00
95.7	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
104.9 – 106.3	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00

LEIGHTON AV (ASSET NO. MA40001838)	2ND MH W OF WOODVALE ST (ASSET NO. MH40001666) TO MH AT KILDONAN (ASSET NO. MH40001638)
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Size/Shape	600 mm
Material	Concrete
Total Length	106.9 m
Sewer Depth to Invert – maximum	4.78 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40001666	
8.2	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
13.7	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
14.3	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
14.6	Solid debris removal, encrustation at joint from 7:00 to 5:00
16.4	Solid debris removal, encrustation on pipe wall from 8:00 to 4:00
17.7	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
18.3	Solid debris removal, encrustation on pipe wall from 8:00 to 11:00
25.6	Solid debris removal, encrustation on pipe wall from 8:00 to 11:00
27.8	Solid debris removal, encrustation on pipe wall from 8:00 to 4:00
33	Solid debris removal, encrustation on pipe wall from 3:00 to 6:00
35.4	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
49.5	Remove intruding service @ 2:00
50.5	Remove intruding service @ 10:00
83.3	Solid debris removal, encrustation at service from 1:00 to 3:00
89.4	Solid debris removal, encrustation on pipe wall from 1:00 to 4:00

LINDEN AV (ASSET NO. MA40006984)	MH AT WOODVALE ST (ASSET NO. MH40006405) TO 1ST MH W OF WOODVALE ST (ASSET NO. MH40006390)
Size/Shape	450 mm
Material	Vitrified Clay
Total Length	90.2 m
Sewer Depth to Invert – maximum	4.25 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40006405	
9.7 – 16.0	External Point Repair (To Be Done by Others)
16.6	Solid debris removal, encrustation at joint at 9:00
22.3	Solid debris removal, encrustation at service from 10:00 to 11:00
26.0	Solid debris removal, encrustation at joint at 9:00

30.6	Solid debris removal, encrustation at joint from 9:00 to 10:00
31.6	Solid debris removal, encrustation on pipe wall at 9:00
36.9	Solid debris removal, encrustation at joint from 3:00 to 4:00
37.5	Solid debris removal, encrustation at joint from 1:00 to 3:00
45.4	Solid debris removal, encrustation at joint at 3:00
51.0	Solid debris removal, encrustation at service at 9:00
53.1	Solid debris removal, encrustation at joint from 1:00 to 5:00
64.8	Solid debris removal, encrustation at joint from 2:00 to 4:00
72.4	Solid debris removal, encrustation at joint at 9:00

LINDEN AV (ASSET NO. S-MA40006133)	2ND MH E OF ROCH ST (ASSET NO. MH40005594) TO MH @ WATT ST (ASSET NO. MH 40005628)
Size/Shape	375 mm
Material	Concrete
Total Length	123.9 m
Sewer Depth to Invert – maximum	4.37 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40005594	
18.1	Solid debris removal, encrustation on joint from 2:00 to 6:00
18.9	Solid debris removal, encrustation on joint from 2:00 to 6:00
20.4 – 21.2	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
21.7	Solid debris removal, encrustation on joint from 8:00 to 11:00
22.3	Solid debris removal, encrustation on joint from 7:00 to 10:00
24.3	Solid debris removal, encrustation on joint from 1:00 to 5:00
29.4	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
29.8 – 30.4	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
30.6	Solid debris removal, encrustation on joint from 7:00 to 11:00
31.2 – 32.6	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
35.0	Solid debris removal, encrustation on joint from 2:00 to 5:00
35.8 – 38.3	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
46.3	Solid debris removal, encrustation on service from 2:00 to 5:00

48.9	Solid debris removal, encrustation on joint from 1:00 to 5:00
53.6	Solid debris removal, encrustation on joint @4:00
55.1	Solid debris removal, encrustation on joint @2:00
64.9	Remove intruding service @2:00
65.3	Solid debris removal, encrustation on service @10:00
69.8	Solid debris removal, encrustation on joint from 11:00 to 5:00
72.8	Solid debris removal, encrustation on joint from 7:00 to 5:00
75.3 – 78.0	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
78.4	Solid debris removal, encrustation on joint from 7:00 to 5:00
93.0	Solid debris removal, encrustation on joint from 7:00 to 12:00

LOCKSLEY BY (W LEG) (ASSET NO. S-MA40007562)	1ST MH S OF DALLEMLEA AV (ASSET NO. MH40006887) TO MH AT DALLEMLEA AV (ASSET NO. MH40007067)
Size/Shape	300 mm
Material	Concrete
Total Length	62.4 m
Sewer Depth to Invert – maximum	4.12 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40006887	
5.0	Solid debris removal, encrustation on joint @3:00
5.7	Solid debris removal, encrustation on joint from 7:00 to 11:00
6.7	Solid debris removal, encrustation on service @8:00
8.7	Solid debris removal, encrustation on joint from 3:00 to 5:00
9.6	Solid debris removal, encrustation on joint @4:00
10.4	Solid debris removal, encrustation on joint from 3:00 to 6:00
14.3	Solid debris removal, encrustation on joint from 7:00 to 11:00
15.1	Solid debris removal, encrustation on joint from 3:00 to 5:00
16.5	Solid debris removal, encrustation on joint from 7:00 to 5:00
21.3	Solid debris removal, encrustation on joint @4:00
24.3	Solid debris removal, encrustation on service @4:00
25.3	Solid debris removal, encrustation on service from 7:00 to 10:00
29.0	Solid debris removal, encrustation on

	joint from 7:00 to 5:00
29.2	Solid debris removal, encrustation on service from 8:00 to 9:00
32.8	Solid debris removal, encrustation on joint from 3:00 to 4:00
34.6	Solid debris removal, encrustation on joint from 4:00 to 8:00
26.8	Solid debris removal, encrustation on joint from 10:00 to 2:00
31.5	Solid debris removal, encrustation on service from 7:00 to 9:00
32.9	Solid debris removal, encrustation on joint from 4:00 to 6:00
33.6 – 35.0	Solid debris removal, encrustation on pipe wall from 3:00 to 6:00
34.5	Solid debris removal, encrustation on joint @8:00
36.8	Solid debris removal, encrustation on joint from 10:00 to 3:00
38.3	Solid debris removal, encrustation on joint from 9:00 to 3:00
39.1	Solid debris removal, encrustation on joint @3:00
40.0	Solid debris removal, encrustation on joint from 9:00 to 3:00
40.8	Solid debris removal, encrustation on joint from 1:00 to 3:00
42.4	Solid debris removal, encrustation on joint from 9:00 to 3:00
43.1	Solid debris removal, encrustation on joint from 2:00 to 4:00
43.8	Solid debris removal, encrustation on joint from 7:00 to 10:00
46.2	Solid debris removal, encrustation on joint from 3:00 to 5:00
49.3	Solid debris removal, encrustation on joint from 1:00 to 3:00
58.6	Solid debris removal, encrustation on joint @3:00

LOCKSLEY BY (W LEG) (ASSET NO. S-MA40007572)	2ND MH S OF DALLELEA AV (ASSET NO. MH40006897) TO 1STMH S OF DALLELEA AV (ASSET NO. MH40006887)
Size/Shape	300 mm
Material	Concrete
Total Length	63.5 m
Sewer Depth to Invert – maximum	4.12 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40006897	
3.6	Solid debris removal, encrustation on joint @7:00
6.6	Solid debris removal, encrustation on joint @4:00
7.3	Solid debris removal, encrustation on

	joint @4:00
7.9	Solid debris removal, encrustation on joint @5:00
8.6	Solid debris removal, encrustation on joint @8:00
9.8	Remove intruding service @9:00
17.2	Solid debris removal, encrustation on joint from 5:00 to 7:00
17.9	Solid debris removal, encrustation on joint from 7:00 to 5:00
18.7	Solid debris removal, encrustation on joint from 1:00 to 4:00
23.5	Solid debris removal, encrustation on joint from 4:00 to 6:00
24.2	Solid debris removal, encrustation on joint from 7:00 to 5:00
25.0	Solid debris removal, encrustation on joint from 7:00 to 5:00
26.6 – 27.3	Solid debris removal, encrustation on pipe wall from 5:00 to 7:00
28.2	Solid debris removal, encrustation on joint from 5:00 to 7:00
29.7	Solid debris removal, encrustation on joint @4:00
30.1	Solid debris removal, encrustation on service from 9:00 to 12:00
34.3	Solid debris removal, encrustation on joint from 7:00 to 5:00
35.2	Solid debris removal, encrustation on joint from 7:00 to 12:00
35.9	Solid debris removal, encrustation on joint from 12:00 to 5:00
36.6	Solid debris removal, encrustation on joint from 1:00 to 4:00
38.7	Solid debris removal, encrustation on service from 7:00 to 8:00
38.9	Solid debris removal, encrustation on joint from 7:00 to 10:00
39.7	Solid debris removal, encrustation on joint from 1:00 to 5:00
43.7	Solid debris removal, encrustation on joint from 7:00 to 5:00
45.3	Solid debris removal, encrustation on joint from 2:00 to 5:00
47.6	Solid debris removal, encrustation on joint from 7:00 to 5:00
48.3	Solid debris removal, encrustation on joint from 7:00 to 5:00
49.2	Solid debris removal, encrustation on joint from 7:00 to 5:00
49.9	Solid debris removal, encrustation on joint @8:00
51.4	Solid debris removal, encrustation on joint from 1:00 to 5:00
52.9	Solid debris removal, encrustation on joint from 1:00 to 4:00
54.6 – 55.8	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00

MELBOURNE AV (ASSET NO. S-MA40005102)	3RD MH W OF WATT ST (ASSET NO. MH40004632) TO MH AT ROCH ST (ASSET NO. 40004631)
Size/Shape	375 mm
Material	Concrete
Total Length	93.7 m
Sewer Depth to Invert – maximum	4.35 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40004632	
7.6	Solid debris removal, encrustation on joint from 7:00 to 11:00
12.2	Solid debris removal, encrustation on joint from 1:00 to 6:00
13.3	Solid debris removal, encrustation on service from 7:00 to 9:00
14.0	Solid debris removal, encrustation on joint from 2:00 to 5:00
15.3	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
16.0	Solid debris removal, encrustation on joint from 1:00 to 8:00
17.7	Solid debris removal, encrustation on joint from 1:00 to 8:00
20.1	Solid debris removal, encrustation on joint from 1:00 to 8:00
22.5	Solid debris removal, encrustation on service from 2:00 to 6:00
24.1	Solid debris removal, encrustation on service from 8:00 to 11:00
26.1	Solid debris removal, encrustation on service from 1:00 to 5:00
27.2	Remove intruding service @2:00
28.6	Solid debris removal, encrustation on joint from 1:00 to 5:00
38.6	Solid debris removal, encrustation on joint from 7:00 to 11:00
41.0	Solid debris removal, encrustation on joint from 2:00 to 10:00
45.1	Solid debris removal, encrustation on service from 2:00 to 5:00
48.8	Solid debris removal, encrustation on joint @8:00
49.6	Solid debris removal, encrustation on joint from 1:00 to 5:00
50.4	Solid debris removal, encrustation on joint from 1:00 to 8:00
51.1	Solid debris removal, encrustation on joint @8:00
52.2	Solid debris removal, encrustation on service from 7:00 to 10:00
53.4	Solid debris removal, encrustation on joint from 4:00 to 11:00
54.2	Solid debris removal, encrustation on

	joint from 2:00 to 7:00
58.0	Solid debris removal, encrustation on joint from 7:00 to 9:00
58.8	Solid debris removal, encrustation on joint from 7:00 to 9:00
59.6	Solid debris removal, encrustation on joint from 7:00 to 8:00
59.8	Solid debris removal, encrustation on service from 2:00 to 5:00
65.0	Solid debris removal, encrustation on joint from 7:00 to 11:00
65.8	Solid debris removal, encrustation on joint from 7:00 to 5:00
69.7	Solid debris removal, encrustation on joint from 7:00 to 11:00
69.8	Solid debris removal, encrustation on service from 8:00 to 9:00
80.4	Solid debris removal, encrustation on joint from 7:00 to 11:00
82.8	Solid debris removal, encrustation on joint from 7:00 to 9:00
83.7	Solid debris removal, roots on joint from 7:00 to 9:00
90.6	Solid debris removal, encrustation on joint from 12:00 to 6:00

MELBOURNE AV (ASSET NO. S-MA40005034)	1ST MH E OF WATT ST (ASSET NO. MH40004575) TO MH AT WATT ST (ASSET NO. MH40004574)
Size/Shape	375 mm
Material	Concrete
Total Length	130.1 m
Sewer Depth to Invert – maximum	5.33 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40004575	
0 – 3.5	External Point Repair (To be done by others)
4.4	Remove intruding service @10:00
12.3	Solid debris removal, encrustation on joint from 2:00 to 8:00
14.1	Remove intruding service @10:00
15.5	Solid debris removal, encrustation on joint from 7:00 to 11:00
23.3	Solid debris removal, encrustation on joint from 3:00 to 5:00
25.7	Solid debris removal, encrustation on joint from 8:00 to 9:00
26.4	Solid debris removal, encrustation on joint from 3:00 to 4:00
28.0	Solid debris removal, encrustation on joint @5:00
28.7	Solid debris removal, encrustation on joint from 7:00 to 8:00
29.2	Remove intruding service @10:00

31.9	Solid debris removal, encrustation on joint from 7:00 to 8:00
32.5	Solid debris removal, encrustation on joint from 7:00 to 8:00
34.2	Solid debris removal, encrustation on joint from 7:00 to 8:00
36.8	Solid debris removal, encrustation on service from 3:00 to 5:00
36.8	Remove intruding service @2:00
38.0	Solid debris removal, encrustation on joint from 3:00 to 6:00
39.8	Solid debris removal, encrustation on joint from 4:00 to 5:00
47.9	Solid debris removal, encrustation on joint from 4:00 to 5:00
49.2	Solid debris removal, encrustation on joint from 3:00 to 5:00
53.9	Solid debris removal, encrustation on joint @5:00
54.6	Solid debris removal, encrustation on joint @4:00
57.5	Solid debris removal, encrustation on service from 7:00 to 9:00
65.4	Remove intruding service @2:00
66.0	Solid debris removal, encrustation on service from 7:00 to 10:00
78.4	Solid debris removal, encrustation on joint from 7:00 to 9:00
79.0	Solid debris removal, encrustation on joint from 2:00 to 9:00
79.9	Solid debris removal, encrustation on joint from 2:00 to 5:00
80.7	Solid debris removal, encrustation on joint from 3:00 to 5:00
80.8 – 82.9	External Point Repair (To be done by others)
83.8	Solid debris removal, encrustation on joint from 4:00 to 8:00
84.7	Solid debris removal, encrustation on joint from 4:00 to 5:00
85.1	Solid debris removal, encrustation on joint from 4:00 to 5:00
87.8	Solid debris removal, encrustation on joint from 4:00 to 8:00
88.9	Remove intruding service @10:00
90.8	Solid debris removal, encrustation on joint from 3:00 to 7:00
92.3	Solid debris removal, encrustation on joint from 4:00 to 6:00
93.0	Remove intruding service @2:00
97.0	Solid debris removal, encrustation on joint from 7:00 to 10:00
97.8	Solid debris removal, encrustation on joint from 7:00 to 10:00
99.5	Solid debris removal, encrustation on joint from 4:00 to 10:00
101.0	Solid debris removal, encrustation on joint from 4:00 to 5:00

107.8	Remove intruding service @9:00
108.1 – 112.8	External Point Repair (To be done by others)
116.1	Remove intruding service @12:00

MOIR AV (ASSET NO. S-MA70006640)	1ST MH W OF ROSSMERE CR (ASSET NO. MH40001736) TO MH AT DUNVEGAN ST (ASSET NO. MH40001735)
Size/Shape	300 mm
Material	Concrete
Total Length	81.9 m
Sewer Depth to Invert – maximum	4.66 m
Design Condition	Partially Deteriorated 3%
Site Specific Repairs	
Location	Required Action
Distance From MH40001736	
5.7	Solid debris removal, encrustation on joint from 7:00 to 5:00
7.2	Solid debris removal, encrustation on joint from 7:00 to 5:00
11.0	Solid debris removal, encrustation on joint from 7:00 to 8:00
11.9	Solid debris removal, encrustation on joint from 7:00 to 9:00
15.0	Solid debris removal, encrustation on joint from 7:00 to 5:00
16.5	Solid debris removal, encrustation on joint from 7:00 to 5:00
17.4	Solid debris removal, encrustation on joint from 5:00 to 6:00
20.4	Solid debris removal, encrustation on joint from 9:00 to 12:00
23.6	Solid debris removal, encrustation on joint from 7:00 to 5:00
24.4	Solid debris removal, encrustation on joint from 7:00 to 5:00
25.2	Solid debris removal, encrustation on joint from 7:00 to 5:00
28.2	Solid debris removal, encrustation on joint from 7:00 to 5:00
29.0	Solid debris removal, encrustation on joint from 7:00 to 5:00
36.3	Solid debris removal, encrustation on pipe wall from 4:00 to 6:00
49.4	Solid debris removal, encrustation on service from 1:00 to 3:00
50.7	Solid debris removal, encrustation on joint from 4:00 to 5:00
55.3	Solid debris removal, encrustation on joint from 7:00 to 11:00
61.6	Solid debris removal, encrustation on joint from 7:00 to 10:00
64.3	Solid debris removal, encrustation on service from 7:00 to 8:00
69.4	Solid debris removal, encrustation on joint from 7:00 to 5:00

74.8	Solid debris removal, encrustation on joint from 4:00 to 6:00
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MONCTON AVE (ASSET NO. S-MA40007935)	1ST MH E OF LONDON ST (ASSET NO. MH40007223) TO MH AT LONDON ST (ASSET NO. MH40007226)
Size/Shape	450 mm
Material	Clay
Total Length	106.5 m
Sewer Depth to Invert – maximum	4.89 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40001736	
1.5 – 2.5	External Point Repair (To be done by others)
30.6	Solid debris removal, encrustation on service from 2:00 to 5:00
35.3	Remove intruding service @2:00
36.6	Remove intruding service @10:00
39.9	Solid debris removal, encrustation on service from 7:00 to 11:00
43.0	Remove intruding service @2:00
52.0	Solid debris removal, encrustation on service from 7:00 to 10:00
83.4	Solid debris removal, encrustation on service from 2:00 to 5:00
98.0	Solid debris removal, encrustation on joint from 7:00 to 5:00
101.2	Remove intruding service @2:00
103.0	Solid debris removal, encrustation on service @10:00

MUNROE AV (N OF CL) (ASSET NO. S-MA40007926)	1ST MH W OF GREY ST (ASSET NO. MH40007250) TO 1ST MH E OF GATEWAY RD (ASSET NO. MH40007217)
Size/Shape	250 mm
Material	Concrete
Total Length	105.9 m
Sewer Depth to Invert – maximum	4.27 m
Design Condition	Partially Deteriorated 7%
Site Specific Repairs	
Location	Required Action
Distance From MH40007250	
5.6	Solid debris removal, encrustation on pipe wall from 3:00 to 6:00
22.6	Remove intruding service @10:00
25.6	Solid debris removal, roots on service from 2:00 to 5:00
33.5	Solid debris removal, encrustation on joint from 12:00 to 12:00
37.3	Solid debris removal, encrustation on joint @4:00
38.9	Solid debris removal, encrustation on joint @7:00

51.0	Solid debris removal, encrustation on joint from 2:00 to 4:00
51.8	Solid debris removal, encrustation on joint @7:00
58.7	Solid debris removal, encrustation on joint from 7:00 to 9:00
62.1	Solid debris removal, encrustation on joint @4:00
72.2	Remove intruding service @2:00
76.0	Solid debris removal, encrustation on joint from 3:00 to 9:00
76.7	Solid debris removal, encrustation on joint @9:00

OTTAWA AV (ASSET NO. S-MA40004767)	MH @ WATT ST (WPL) (ASSET NO. MH40004339) TO 1ST MH W OF WATT ST (ASSET NO. MH40004338)
Size/Shape	300 mm
Material	Clay
Total Length	100.8 m
Sewer Depth to Invert – maximum	3.36 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40004339	
11.7	Remove intruding service @10:00
20.7	Solid debris removal, encrustation on joint from 4:00 to 8:00
25.0	Solid debris removal, encrustation on joint from 4:00 to 8:00
25.6	Solid debris removal, encrustation on joint @8:00
26.6	Solid debris removal, encrustation on pipe wall from 5:00 to 7:00
28.7	Solid debris removal, encrustation on joint @4:00
30.7	Solid debris removal, encrustation on joint from 2:00 to 10:00
31.2	Solid debris removal, encrustation on joint from 2:00 to 10:00
35.6	Solid debris removal, roots on service @2:00
37.3	Solid debris removal, encrustation on joint from 4:00 to 7:00
41.8	Solid debris removal, encrustation on joint from 7:00 to 8:00
42.3	Solid debris removal, encrustation on joint from 4:00 to 5:00
43.0	Solid debris removal, encrustation on joint from 4:00 to 5:00
43.5	Solid debris removal, encrustation on joint from 7:00 to 9:00
43.7	Remove intruding service @2:00
45.5	Solid debris removal, encrustation on joint from 7:00 to 8:00
46.1	Solid debris removal, encrustation on

	joint from 7:00 to 8:00
46.8	Solid debris removal, encrustation on joint from 7:00 to 8:00
50.5	Solid debris removal, encrustation on joint from 4:00 to 5:00
51.1	Solid debris removal, encrustation on joint from 7:00 to 8:00
52.4	Solid debris removal, encrustation on joint from 3:00 to 10:00
54.3	Solid debris removal, encrustation on joint from 4:00 to 8:00
55.5	Solid debris removal, encrustation on joint @4:00
55.7	Solid debris removal, encrustation on service from 8:00 to 9:00
56.1	Solid debris removal, encrustation on joint from 5:00 to 9:00
57.4	Solid debris removal, encrustation on joint from 3:00 to 9:00
59.8	Solid debris removal, encrustation on joint @8:00
63.3	Remove intruding service @8:00
74.8	Remove intruding service @10:00
89.8	Solid debris removal, roots on joint from 7:00 to 11:00
97.9	Remove intruding service @10:00

OTTAWA AV (ASSET NO. S-MA40004776)	1ST MH W OF WATT ST (ASSET NO. MH40004338) TO 2ND MH W OF WATT ST (ASSET NO. MH40004389)
Size/Shape	300 mm
Material	Clay
Total Length	100.6 m
Sewer Depth to Invert – maximum	4.03 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40004338	
4.6	Solid debris removal, encrustation on joint @4:00
5.3	Solid debris removal, encrustation on joint from 5:00 to 9:00
5.9	Solid debris removal, encrustation on joint from 4:00 to 5:00
6.1	Remove intruding service @10:00
6.8	Solid debris removal, encrustation on service from 2:00 to 5:00
8.9	Solid debris removal, encrustation on joint @3:00
9.7	Solid debris removal, roots on service from 1:00 to 4:00
12.0	Solid debris removal, encrustation on joint from 7:00 to 9:00
15.8	Solid debris removal, encrustation on joint from 5:00 to 8:00
16.0	Solid debris removal, roots on service

	from 1:00 to 3:00
17.0	Solid debris removal, encrustation on joint from 5:00 to 8:00
19.1	Solid debris removal, roots on service from 9:00 to 10:00
24.7	Remove intruding service @10:00
27.8	Remove intruding service @2:00
33.7	Solid debris removal, encrustation on joint @4:00
34.0 – 35.2	External Point Repair (To be done by others)
36.9	Solid debris removal, encrustation on joint @4:00
38.3	Solid debris removal, roots on service from 9:00 to 10:00
40.5	Solid debris removal, roots on joint from 2:00 to 10:00
41.8	Solid debris removal, roots on joint from 12:00 to 6:00
43.6	Solid debris removal, encrustation on joint from 7:00 to 9:00
45.6	Solid debris removal, roots on service from 8:00 to 10:00
50.0	Remove intruding service @2:00
52.6	Solid debris removal, roots on service from 7:00 to 11:00
54.8	Solid debris removal, encrustation on joint @5:00
59.5	Remove intruding service @2:00
62.3	Solid debris removal, encrustation on joint @2:00
64.8	Solid debris removal, encrustation on joint @4:00
70.8	Remove intruding service @2:00
77.0	Solid debris removal, encrustation on joint from 7:00 to 11:00
79.7	Remove intruding service @2:00
81.4	Solid debris removal, encrustation on joint from 9:00 to 12:00
82.1	Solid debris removal, encrustation on joint from 8:00 to 12:00
82.8	Remove intruding service @10:00
87.7	Solid debris removal, encrustation on joint from 8:00 to 4:00
94.6	Solid debris removal, encrustation on joint from 7:00 to 5:00
96.7 – 98.3	External Point Repair (To be done by others)

OTTAWA AV (ASSET NO. S-MA40004705)	2ND MH E OF BRAZIER ST (ASSET NO. MH40004287) TO 3RD MH E OF BRAZIER ST (ASSET NO. MH40004402)
Size/Shape	300 mm
Material	Clay
Total Length	102.6 m
Sewer Depth to Invert – maximum	4.08 m

Design Condition	Partially Deteriorated 8%
Site Specific Repairs	
Location	Required Action
Distance From MH40004287	
2.3	Solid debris removal, encrustation on joint @8:00
6.4	Solid debris removal, encrustation on service from 3:00 to 5:00
10.6 – 15.1	External Point Repair (To be done by others)
15.7	Solid debris removal, roots on joint from 2:00 to 11:00
16.3	Solid debris removal, roots on joint @4:00
17.0	Solid debris removal, roots on joint from 1:00 to 4:00
17.7	Solid debris removal, roots on joint from 3:00 to 5:00
18.4	Solid debris removal, roots on joint from 7:00 to 11:00
19.6	Solid debris removal, roots on joint @8:00
20.4	Remove intruding service @10:00
28.7	Solid debris removal, roots on joint @8:00
30.0 – 30.6	Solid debris removal, roots on pipe wall @8:00
31.2	Solid debris removal, roots on joint from 8:00 to 2:00
32.0	Solid debris removal, roots on joint @8:00
33.7	Solid debris removal, encrustation on joint @4:00
36.3	Solid debris removal, encrustation on joint from 7:00 to 8:00
36.5	Solid debris removal, roots on service @10:00
37.1	Solid debris removal, encrustation on joint @5:00
37.7	Solid debris removal, encrustation on joint @5:00
44.1	Solid debris removal, encrustation on joint from 9:00 to 12:00
54.5	Solid debris removal, encrustation on service @9:00
94.4	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
94.7	Solid debris removal, encrustation on pipe wall from 7:00 to 3:00

OTTAWA AVE (ASSET NO. S-MA40003422)	2ND MH E OF WATT ST (ASSET NO. MH40007741) TO 1ST MH E OF WATT ST (ASSET NO. MH40004370)
Size/Shape	300 mm
Material	Clay
Total Length	106.5 m

Sewer Depth to Invert – maximum	4.12 m
Design Condition	Partially Deteriorated 5%
Site Specific Repairs	
Location	Required Action
Distance From MH40007741	
7.7	Solid debris removal, encrustation on joint @4:00
9.8	Remove intruding service @10:00
26.7	Hole from 5:00 to 7:00
30.2 – 38.0	External Point Repair (To be done by others)
44.2 – 48.5	External Point Repair (To be done by others)
55.0	Solid debris removal, encrustation on joint from 2:00 to 5:00
57.7	Solid debris removal, encrustation on joint from 5:00 to 7:00
58.7	Solid debris removal, encrustation on joint @3:00
64.7	Solid debris removal, encrustation on joint from 5:00 to 7:00
103.2	Solid debris removal, encrustation on service from 7:00 to 9:00

PRINCE RUPERT AV (ASSET NO. S-MA40008027)	1ST MH E OF GREY ST (ASSET NO. MH40007309) TO MH AT GREY ST (E OF CL) (ASSET NO. MH70022435)
Size/Shape	300 mm
Material	Clay
Total Length	102.2 m
Sewer Depth to Invert – maximum	4.55 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40007309	
2.2	Remove intruding service @10:00
4.5	Remove intruding service @10:00
10.9	Solid debris removal, encrustation on service @10:00
34.3	Remove intruding service @2:00
38.5	Remove intruding service @10:00
41.9	Remove intruding service @3:00
43.9 – 48.5	External Point Repair (To be done by others)
50.9 – 53.3	External Point Repair (To be done by others)
54.4	Solid debris removal, encrustation on service from 7:00 to 11:00
66.9	Solid debris removal, encrustation on service from 1:00 to 5:00
66.9	Remove intruding service @2:00
72.1	Solid debris removal, encrustation on service from 2:00 to 5:00
78.1	Solid debris removal, encrustation on joint from 7:00 to 10:00
79.3	Solid debris removal, encrustation on

	joint @7:00
80.4	Solid debris removal, encrustation on joint @5:00
89.5	Remove intruding service @2:00
95.3	Solid debris removal, encrustation on service from 7:00 to 11:00
97.8	Remove intruding service @3:00

RIVERTON AV (ASSET NO. S-MA70020808)	1ST MH W OF BRAZIER ST (ASSET NO. MH40007761) TO MH AT BRAZIER ST (ASSET NO. MH40007785)
Size/Shape	1200 X 925 mm
Material	Concrete
Total Length	135.9 m
Sewer Depth to Invert – maximum	5.86 m
Design Condition	Fully Deteriorated 5%
Site Specific Repairs	
Location	Required Action
Distance From MH40007761	
4.1	Solid debris removal, encrustation on service from 2:00 to 5:00
4.3 – 5.0	Patch holes from 7:00 to 10:00
19.1	Patch holes from 4:00 to 6:00
23.1 – 24.4	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
25.8 – 26.7	Solid debris removal, encrustation on pipe wall from 2:00 to 11:00
33.2 – 34.1	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
36.4	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
36.7	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
37.7	Solid debris removal, encrustation on pipe wall @7:00
39.0	Solid debris removal, encrustation on service from 2:00 to 5:00
40.9	Solid debris removal, encrustation on service from 2:00 to 5:00
40.9	Solid debris removal, encrustation on service from 7:00 to 10:00
43.5 – 44.2	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
45.0 – 46.5	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
48.2 – 48.6	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
48.7	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
52.5 – 53.8	Solid debris removal, encrustation on pipe wall from 7:00 to 6:00
55.9 – 56.5	Solid debris removal, encrustation on pipe wall from 1:00 to 4:00
56.7	Solid debris removal, encrustation on service from 7:00 to 10:00
58.2 – 58.7	Solid debris removal, encrustation on

	pipe wall from 7:00 to 5:00
60.3 – 61.4	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
62.8	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
Distance From MH40007785	REVERSE – DOWNSTREAM
1.0	Solid debris removal, encrustation on pipe wall from 3:00 to 4:00
5.0	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
6.8 – 8.7	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
9.4 – 10.9	Solid debris removal, encrustation on pipe wall from 3:00 to 6:00
16.9	Solid debris removal, encrustation on pipe wall @4:00
17.7	Solid debris removal, encrustation on pipe wall from 4:00 to 6:00
18.1 – 21.5	Solid debris removal, encrustation on pipe wall from 8:00 to 10:00
19.6	Solid debris removal, encrustation on pipe wall from 3:00 to 5:00
21.5 – 29.7	Solid debris removal, encrustation on pipe wall @7:00
31.8	Solid debris removal, encrustation on service from 3:00 to 6:00
31.8 – 33.1	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
34.7	Solid debris removal, encrustation on service from 2:00 to 5:00
34.7	Solid debris removal, encrustation on service from 7:00 to 10:00
38.7	Solid debris removal, encrustation on service from 7:00 to 10:00
41.1	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
42.2	Solid debris removal, encrustation on service from 2:00 to 5:00
43.7	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
46.3	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
48.4	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
49.4	Solid debris removal, encrustation on service from 7:00 to 10:00
51.7	Solid debris removal, encrustation on pipe wall from 4:00 to 6:00
53.8 – 54.0	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
56.2	Solid debris removal, encrustation on pipe wall from 2:00 to 6:00
57.7	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
58.1	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
58.7	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00

60.9 – 61.5	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
62.7	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
63.6	Solid debris removal, encrustation on pipe wall from 7:00 to 4:00
64.7	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
66.3	Solid debris removal, encrustation on pipe wall from 1:00 to 4:00
66.3	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
69.6	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
70.5	Solid debris removal, encrustation on pipe wall from 1:00 to 4:00
71.1	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
72.4	Solid debris removal, encrustation on service from 1:00 to 4:00

RIVERTON AV (ASSET NO. S-MA40008547)	1ST MH W OF LEVIS ST (ASSET NO. MH40007910) TO MH AT BRAZIER ST (ASSET NO. MH40007785)
Size/Shape	1200 x 925 mm
Material	Concrete
Total Length	121.3 m
Sewer Depth to Invert – maximum	5.4 m
Design Condition	Fully Deteriorated 5%
Site Specific Repairs	
Location	Required Action
Distance From MH40007910	NOTE: Heavy Debris
0.0 – 0.5	Solid debris removal, encrustation on pipe wall from 6:00 to 11:00
3.2 – 11.2	Solid debris removal, encrustation on pipe wall from 3:00 to 9:00
11.7	Solid debris removal, encrustation on service from 2:00 to 6:00
13.1 – 14.0	Patch holes from 7:00 to 9:00
15.6	Solid debris removal, encrustation on service from 7:00 to 11:00
19.0 – 22.8	Solid debris removal, encrustation on pipe wall from 12:00 to 4:00
23.1 – 25.6	Patch holes from 2:00 to 4:00
39.8	Patch holes from 6:00 to 10:00
40.6	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
50.1	Solid debris removal, encrustation on service from 2:00 to 10:00
60.8	Solid debris removal, encrustation on service from 1:00 to 4:00
61.7 – 62.9	Solid debris removal, encrustation on pipe wall from 6:00 to 12:00
65.1	Solid debris removal, encrustation on service from 7:00 to 11:00
65.1	Solid debris removal, encrustation on

	service from 1:00 to 4:00
66.6 – 67.5	Solid debris removal, encrustation on pipe wall from 7:00 to 4:00
68.6 – 69.8	Solid debris removal, encrustation on pipe wall from 3:00 to 5:00
71.8	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
72.4 – 72.7	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
73.1	Solid debris removal, encrustation on pipe wall from 7:00 to 9:00
74.5	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
80.2	Solid debris removal, encrustation on service from 7:00 to 11:00
80.2	Solid debris removal, encrustation on service from 1:00 to 5:00
82.1	Solid debris removal, encrustation on pipe wall from 4:00 to 6:00
82.6	Solid debris removal, encrustation on service from 7:00 to 11:00
84.2 – 84.7	Solid debris removal, encrustation on pipe wall from 8:00 to 4:00
87.3	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
87.9	Solid debris removal, encrustation on service from 1:00 to 5:00
87.9	Solid debris removal, encrustation on service from 7:00 to 11:00
88.9 – 89.4	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
89.9	Solid debris removal, encrustation on service from 7:00 to 10:00
91.5 – 92.5	Solid debris removal, encrustation on pipe wall from 2:00 to 10:00
94.3	Solid debris removal, encrustation on pipe wall from 2:00 to 10:00
95.3	Solid debris removal, encrustation on service from 7:00 to 11:00
97.0	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
101.1 – 102.2	Solid debris removal, encrustation on pipe wall from 7:00 to 12:00
102.2	Solid debris removal, encrustation on service from 1:00 to 4:00
103.5	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
107.0	Solid debris removal, encrustation on pipe wall from 2:00 to 10:00
107.9 – 108.3	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
108.9	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
109.7	Solid debris removal, encrustation on pipe wall from 1:00 to 4:00
109.7 – 110.4	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
110.4 – 112.1	Solid debris removal, encrustation on

	pipe wall from 2:00 to 10:00
113.4 – 115.2	Solid debris removal, encrustation on pipe wall from 2:00 to 10:00
115.7 – 119.6	Solid debris removal, encrustation on pipe wall from 12:00 to 5:00

RIVERTON AV (ASSET NO. S-MA40008683)	MH AT LEVIS ST (ASSET NO. MH40007983) TO 1ST MH W OF LEVIS ST (ASSET NO. MH40007910)
Size/Shape	1200 x 925 mm
Material	Concrete
Total Length	120.8 m
Sewer Depth to Invert – maximum	6.17 m
Design Condition	Fully Deteriorated 5%
Site Specific Repairs	
Location	Required Action
Distance From MH40007983	NOTE: Heavy Debris
2.3	Solid debris removal, encrustation on service from 2:00 to 5:00
9.0	Solid debris removal, encrustation on service from 7:00 to 10:00
15.1	Solid debris removal, encrustation on pipe wall from 7:00 to 12:00
15.5 – 16.3	Patch holes
23.1 – 25.8	Patch holes
28.0	Solid debris removal, encrustation on pipe wall from 7:00 to 9:00
28.4	Solid debris removal, encrustation on pipe wall from 3:00 to 5:00
30.4	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
32.2	Solid debris removal, encrustation on service from 8:00 to 9:00
39.7	Solid debris removal, encrustation on service from 3:00 to 6:00
44.6	Solid debris removal, encrustation on pipe wall from 2:00 to 6:00
45.8	Solid debris removal, encrustation on pipe wall from 3:00 to 5:00
59.8	Solid debris removal, encrustation on pipe wall from 4:00 to 5:00
62.2	Solid debris removal, encrustation on pipe wall from 1:00 to 5:00
63.0	Solid debris removal, encrustation on service from 7:00 to 10:00
63.0	Solid debris removal, encrustation on service from 2:00 to 4:00
67.2	Solid debris removal, encrustation on pipe wall from 2:00 to 5:00
69.0	Pipe dimension change to approximately 1350 x 925
74.3 – 76.1	Patch holes from 4:00 to 5:00
78.3	Solid debris removal, encrustation on service from 2:00 to 5:00
79.8	Solid debris removal, encrustation on pipe wall @2:00

82.7 – 82.9	Solid debris removal, encrustation on pipe wall from 2:00 to 6:00
84.0 – 85.5	Solid debris removal, encrustation on pipe wall from 7:00 to 5:00
86.2 – 86.7	Solid debris removal, encrustation on pipe wall @5:00
86.5	Solid debris removal, encrustation on service from 3:00 to 5:00
89.2	Solid debris removal, encrustation on pipe wall from 2:00 to 4:00
99.2	Solid debris removal, encrustation on pipe wall from 7:00 to 9:00
101.2	Solid debris removal, encrustation on service from 2:00 to 5:00
101.2	Solid debris removal, encrustation on service from 7:00 to 11:00
104.7	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
109.4	Solid debris removal, encrustation on service from 7:00 to 10:00
114.0	Solid debris removal, encrustation on pipe wall from 10:00 to 3:00
115.9	Solid debris removal, encrustation on pipe wall from 2:00 to 6:00
116.0	Solid debris removal, encrustation on pipe wall from 7:00 to 10:00
118.4	Solid debris removal, encrustation on pipe wall from 9:00 to 4:00
120.4	Solid debris removal, encrustation on pipe wall from 9:00 to 4:00

RIVERTON AV (ASSET NO. S-MA40008769)	MH AT STADACONA ST (ASSET NO. MH40007985) TO 1ST MH W OF STADACONA ST (ASSET NO. MH40007983)
Size/Shape	1200 x 925 mm
Material	Concrete
Total Length	50.6 m
Sewer Depth to Invert – maximum	6.17 m
Design Condition	Fully Deteriorated 5%
Site Specific Repairs	
Location	Required Action
Distance From MH40007985	
4.3	Sandbags in large sewer connecting to sewer @10:00
9.7	Large connection from 7:00 to 11:00
15.0 – 16.0	Patch hole from 7:00 to 10:00
15.0 – 16.0	Patch hole from 2:00 to 5:00
23.4 – 27.4	Patch hole
27.4	Solid debris removal, encrustation on pipe wall from 7:00 to 11:00
30.3	Solid debris removal, encrustation on pipe wall from 2:00 to 6:00
33.2	Solid debris removal, encrustation on pipe wall from 2:00 to 4:00
34.2	Solid debris removal, encrustation on pipe wall from 2:00 to 4:00

34.0 – 45.0	Patch holes from 3:00 to 9:00
48.7	Solid debris removal, encrustation on service from 7:00 to 11:00

ROBERTA AV (ASSET NO. S-MA40006670)	MH AT HENDERSON HW (ASSET NO. MH40006264) TO 1ST MH W OF HENDERSON HW (ASSET NO. MH40006104)
Size/Shape	300 mm
Material	Clay
Total Length	126.4 m
Sewer Depth to Invert – maximum	3.98 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40006264	
	Removal of excessive grease
2.7	Solid debris removal, encrustation on joint@5:00
49.7 – 51.0	External Point Repair (To be done by others)
58.7	Solid debris removal, roots on service from 8:00 to 11:00
79.4	Solid debris removal, encrustation on joint from 8:00 to 4:00
84.9	Solid debris removal, encrustation on joint from 8:00 to 12:00
86.5	Solid debris removal, encrustation on joint from 8:00 to 12:00
90.0	Remove intruding service @10:00
106.2	Remove intruding service @10:00
108.3	Solid debris removal, encrustation on joint from 1:00 to 4:00
115.2	Solid debris removal, encrustation on joint from 7:00 to 11:00
119.4	Remove intruding service @2:00
121.0	Remove intruding service @10:00
121.0	Solid debris removal, encrustation on joint from 9:00 to 12:00

ROCH ST (ASSET NO. S-MA40005133)	MH @ CHELSEA AVE (ASSET NO. MH40004666) TO MH @ BRONX AVE (ASSET NO. MH 40004668)
Size/Shape	300 mm
Material	Concrete
Total Length	94.4 m
Sewer Depth to Invert – maximum	4.05 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40004666	
4.1	Solid debris removal, encrustation on joint from 6:00 to 10:00
5.7	Solid debris removal, encrustation on joint from 5:00 to 10:00

7.9	Solid debris removal, encrustation on joint from 5:00 to 7:00
8.7	Solid debris removal, encrustation on joint from 5:00 to 7:00
11.9	Solid debris removal, encrustation on joint from 5:00 to 11:00
12.7	Solid debris removal, encrustation on joint from 2:00 to 4:00
13.4	Solid debris removal, encrustation on joint @8:00
14.2	Solid debris removal, encrustation on joint from 5:00 to 7:00
15.7	Solid debris removal, encrustation on joint from 5:00 to 7:00
16.6	Solid debris removal, encrustation on joint from 5:00 to 7:00
17.4	Solid debris removal, encrustation on joint from 5:00 to 7:00
18.2	Solid debris removal, encrustation on joint from 3:00 to 4:00
19.7	Solid debris removal, encrustation on joint from 8:00 to 4:00
21.3	Solid debris removal, encrustation on joint @8:00
22.9	Solid debris removal, encrustation on joint from 4:00 to 8:00
24.4	Solid debris removal, encrustation on joint @4:00
25.1	Solid debris removal, encrustation on joint @4:00
26.7	Solid debris removal, encrustation on joint from 8:00 to 4:00
28.2	Solid debris removal, encrustation on joint from 8:00 to 4:00
29.0	Solid debris removal, encrustation on joint from 8:00 to 4:00
29.8	Solid debris removal, encrustation on joint from 8:00 to 4:00
30.6	Solid debris removal, encrustation on joint from 3:00 to 4:00
31.4	Solid debris removal, encrustation on joint from 3:00 to 4:00
32.2	Solid debris removal, encrustation on joint @4:00
34.4	Solid debris removal, encrustation on joint @7:00
35.2	Solid debris removal, encrustation on joint @9:00
36.8	Solid debris removal, encrustation on joint @4:00
37.6	Solid debris removal, encrustation on joint @8:00
38.1	Remove intruding service @10:00
39.4	Remove intruding service @2:00
39.8	Solid debris removal, encrustation on joint from 7:00 to 5:00
41.4	Solid debris removal, encrustation on joint from 7:00 to 5:00

42.9	Solid debris removal, encrustation on joint from 7:00 to 5:00
43.7	Solid debris removal, encrustation on joint from 7:00 to 5:00
44.6	Solid debris removal, encrustation on joint from 7:00 to 5:00
45.3	Solid debris removal, encrustation on joint from 7:00 to 11:00
46.1	Solid debris removal, encrustation on joint from 3:00 to 6:00
46.8	Solid debris removal, encrustation on joint from 7:00 to 11:00
47.7	Solid debris removal, encrustation on joint from 7:00 to 5:00
48.5	Solid debris removal, encrustation on joint from 7:00 to 5:00
49.2	Solid debris removal, encrustation on joint from 7:00 to 10:00
50.8	Solid debris removal, encrustation on joint from 3:00 to 9:00
52.3	Solid debris removal, encrustation on joint from 4:00 to 8:00
53.1	Solid debris removal, encrustation on joint from 3:00 to 8:00
53.9	Solid debris removal, encrustation on joint from 3:00 to 8:00
54.7	Solid debris removal, encrustation on joint from 7:00 to 9:00
56.2	Solid debris removal, encrustation on joint from 7:00 to 5:00
57.0	Solid debris removal, encrustation on joint from 7:00 to 5:00
57.8	Solid debris removal, encrustation on joint from 7:00 to 5:00
60.1	Solid debris removal, encrustation on joint @8:00
61.6	Solid debris removal, encrustation on joint from 7:00 to 5:00
62.3	Solid debris removal, encrustation on joint from 7:00 to 8:00
63.2	Solid debris removal, encrustation on joint from 7:00 to 5:00
63.7 – 64.1	Solid debris removal, encrustation on joint @4:00
64.7	Solid debris removal, encrustation on joint from 7:00 to 11:00
65.6	Solid debris removal, encrustation on joint from 7:00 to 5:00
66.3	Solid debris removal, encrustation on joint from 3:00 to 9:00
67.1	Solid debris removal, encrustation on joint from 7:00 to 8:00
70.1	Solid debris removal, encrustation on joint from 4:00 to 6:00
72.5	Solid debris removal, encrustation on joint from 3:00 to 5:00
74.0 – 75.7	External Point Repair (To be done by others)

Distance From MH40004666	REVERSE – DOWNSTREAM
2.5	Solid debris removal, encrustation on joint from 7:00 to 12:00
7.1	Solid debris removal, encrustation on joint from 3:00 to 9:00
8.6	Solid debris removal, encrustation on joint from 7:00 to 5:00
11.0	Solid debris removal, encrustation on joint from 3:00 to 7:00
12.4	Solid debris removal, encrustation on joint from 7:00 to 4:00
17.1	Solid debris removal, encrustation on joint from 7:00 to 5:00

ROWANDALE CR (N LEG) (ASSET NO. S-MA40002098)	1STMH E OF KILDONAN DR (ASSET NO. MH40001874) TO 2ND MH E OF KILDONAN DR (ASSET NO. MH40001906)
Size/Shape	300 mm
Material	Concrete
Total Length	107.2 m
Sewer Depth to Invert – maximum	4.69 m
Design Condition	Partially Deteriorated 3%
Site Specific Repairs	
Location	Required Action
Distance From MH40001874	
0.0 – 0.6	External Point Repair (To be done by others)
27.5 – 28.3	External Point Repair (To be done by others)
71.2	Solid debris removal, encrustation on joint @6:00
76.9	Remove intruding service @2:00
83.1	Solid debris removal, encrustation on joint from 2:00 to 5:00

TALBOT AV (ASSET NO. S-MA40008756)	MH AT ALLAN ST (ASSET NO. MH40007975) TO 1ST MH W OF ALLAN ST (ASSET NO. MH40007974)
Size/Shape	300 mm
Material	Concrete
Total Length	84.5 m
Sewer Depth to Invert – maximum	4.42 m
Design Condition	Fully Deteriorated 10%
Site Specific Repairs	
Location	Required Action
Distance From MH40007975	
13.7 – 26.1	External Point Repair (To be done by others)
29.0	Solid debris removal, encrustation on joint from 7:00 to 12:00
32.9 – 35.3	Solid debris removal, encrustation on joint from 7:00 to 5:00
36.3 – 38.7	External Point Repair (To be done by others)

43.7 – 49.4	External Point Repair (To be done by others)
82.8	Solid debris removal, encrustation on service @3:00