APPENDIX A - TABLE E13.1: SITE SPECIFIC DESIGN CONDITIONS AND REPAIR REQUIREMENTS PRIOR TO PERFORMING SEWER LINING

| Community Row (Asset No. MA60000904) Land Drainage Sewer | CB at Roblin Blvd (CL) (CB60000628) to MH at N PL Roblin Blvd (MH70050653) |
|---|--|
| Drawng Number | 13108 |
| Size / Shape | 525 circular |
| Material Type | corrugated steel |
| Total Length | 15.08m |
| Maximum Sewer Depth to Invert | 2.1m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From CB60000628 (m) | |
| | No preparation works identified outside of sewer cleaning |
| | |

| Roblin Boulevard (Asset No. MA60003333) Land Drainage Sewer | 5th MH W of Buckingham Rd (MH60002439) to curb inlet E of Dieppe |
|--|--|
| Drawng Number | 13109 |
| Size / Shape | 450mm circular |
| Material Type | concrete |
| Total Length | 29.54m |
| Maximum Sewer Depth to Invert | 1.07m |
| Design Condition | Fully Deteriorated Ovality 6% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60002439 (m) | |
| | No preparation works identified outside of sewer cleaning |
| | |

| Easement (E of Le Maire St) (Asset No. MA60023161) Land Drainage Sewer | MH at Houde Dr (S Leg) (MH60019419) to 1st MH S of Houde Dr (MH60019413) |
|---|--|
| Drawng Number | 13110 |
| Size / Shape | 300mm circular |
| Material Type | concrete |
| Total Length | 40.54m |
| Maximum Sewer Depth to Invert | 2.8m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60019419 (m) | |
| 1 | CAUTION: Displaced joint |
| 13.1 | Remove encrustation from pipe joint @ 5:00 |
| 15.6 | Remove encrustation from pipe joint @ 7:00 |
| 24.1 | Remove encrustation from pipe joint @ 4:00 to 8:00 |
| 26.6 | Remove encrustation from pipe joint @ 4:00 to 8:00 |
| 27.8 | Remove encrustation from pipe joint @ 5:00 |
| 29 | Remove encrustation from pipe joint @ 7:00 |
| 30.3 | Remove encrustation from pipe joint @ 5:00 |
| 32.7 | Remove encrustation from pipe joint @ 4:00 to 8:00 |
| 33.9 | Remove encrustation from pipe joint @ 4:00 to 8:00 |
| 36.4 | Remove encrustation from pipe joint @ 4:00 to 8:00 |
| 37.6 | Remove encrustation from pipe joint @ 4:00 to 8:00 |
| 39.9 | Remove encrustation from pipe wall @ 6:00 |

| Lane (E of Houde Dr (W Leg)) (Asset No. MA60022941) Land Drainage Sewer | 1st MH S of Ducharme Av (MH60019247) to Mh at Ducharme Av (MH60019243) | |
|--|--|--|
| Drawng Number | 13111 | |
| Size / Shape | 300mm circular | |
| Material Type | concrete | |
| Total Length | 42.14m | |
| Maximum Sewer Depth to Invert | 2.99m | |
| Design Condition | Fully Deteriorated Ovality 2% | |
| Site Specific Repairs | | |
| Location | Action Required | |
| Distance From MH60019247 (m) | | |
| 2.7 | Remove encrustation from pipe joint @ 9:00 | |
| 4 | Remove encrustation from pipe joint @ 9:00 | |
| 12.4 | Remove encrustation from pipe joint @ 6:00 | |
| 16.1 | Remove encrustation from pipe joint @ 3:00 to 9:00 | |
| 18.5 | Remove encrustation from pipe joint @ 3:00 to 9:00 | |
| 19.8 | Remove encrustation from pipe joint @ 3:00 to 9:00 | |
| 21 | Remove encrustation from pipe joint @ 3:00 to 9:00 | |
| 21.0 to 41.5 | Remove encrustation from pipe wall @ 6:00 | |

| Pembina Highway (Asset No. MA60022 Land Drainage Sewer | 1371) 1st MH S of Ducharme Ave (MH60018775) to MH at Ducharme Ave (N PL) (MH60018774) |
|---|---|
| Drawng Number | 13112 |
| Size / Shape | 450mm circular |
| Material Type | concrete |
| Total Length | 63.7m |
| Maximum Sewer Depth to Invert | 2.1m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60018775 (m) | |
| 17.2 to 18.9 | Remove encrustation from pipe wall @ 5:00 |
| 46.3 | Remove broken piece of pipe from joint at 7:00 |

| Campeau Street (Asset No. MA60023315) Land Drainage Sewer | 1st MH S of Therese Av (MH70074115) to 2nd MH S of Therese Av (MH60019521) |
|--|--|
| Drawng Number | 13113 |
| Size / Shape | 250mm circular |
| Material Type | concrete |
| Total Length | 105.42m |
| Maximum Sewer Depth to Invert | 2.24m |
| Design Condition | Fully Deteriorated Ovality 5% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH70074115 (m) | |
| 0.7 | CAUTION: Displaced Joint |
| 1.9 | CAUTION: Displaced Joint |
| 13.2 | Remove encrustation from pipe joint @ 6:00 |
| 24.9 | Remove encrustation from pipe joint @ 6:00 |
| 25.7 | Remove encrustation from pipe joint @ 6:00 |
| 28.1 | Remove encrustation from pipe joint @ 6:00 |
| 28.9 | Remove encrustation from pipe joint @ 6:00 |
| 29.6 | Remove encrustation from pipe joint @ 6:00 |
| 33.6 | Remove encrustation from pipe joint @ 6:00 |
| 37.2 | Note: material change to PVC and diameter change |
| 38.9 | Note: material change to concrete and diameter change |
| 43.0 to 46.0 | EPR from 43.0 to 46.0 |
| 53.8 | Remove encrustation from pipe joint @ 5:00 to 7:00 |
| 55.4 | Remove encrustation from pipe joint @ 5:00 to 7:00 |
| 58.5 | Remove encrustation from pipe joint @ 4:00 to 8:00 |
| 60.1 | Remove encrustation from pipe joint @ 6:00 |
| 60.9 | Remove encrustation from pipe joint @ 7:00 |
| 61.6 | Remove encrustation from pipe joint @ 6:00 |
| 62.4 | Remove encrustation from pipe joint @ 4:00 to 8:00 |
| 63.2 | Remove encrustation from pipe joint @ 5:00 to 7:00 |
| 64.8 | Remove encrustation from pipe joint @ 6:00 |
| 66.3 | Remove encrustation from pipe joint @ 6:00 |
| 67.2 | Remove encrustation from pipe joint @ 6:00 |
| 67.9 | Remove encrustation from pipe joint @ 6:00 |
| 68.7 | Remove encrustation from pipe joint @ 6:00 |
| 69.5 | Remove encrustation from pipe joint @ 6:00 |
| 71.8 | Remove encrustation from pipe joint @ 6:00 |
| 72.6 | Remove encrustation from pipe joint @ 6:00 |
| 74.9 | Remove encrustation from pipe joint @ 6:00 |
| 76.5 | Remove encrustation from pipe joint @ 6:00 |
| 77.3 | Remove encrustation from pipe joint @ 4:00 to 7:00 |
| 78.1 | Remove encrustation from pipe joint @ 4.00 to 7.00 |
| 78.8 | Remove encrustation from pipe joint @ 6:00 |
| 80.3 | Remove encrustation from pipe joint @ 6:00 Remove encrustation from pipe joint @ 6:00 |
| 82 | |
| 82 83.5 | Remove encrustation from pipe joint @ 6:00 |
| | Note: material change to PVC |
| 85.2 | Note: material change to concrete |
| 85.6 | Remove encrustation from pipe joint @ 6:00 |
| | |

| Campeau Street (Asset No. MA70148673) Land Drainage Sewer | 1st MH N of St Therese Av (MH60019520) to 1st MH S of St Therese Ave (MH700747115) |
|--|--|
| Drawng Number | 13113 |
| Size / Shape | 250mm circular |
| Material Type | concrete |
| Total Length | 27.09m |
| Maximum Sewer Depth to Invert | 2.24m |
| Design Condition | Fully Deteriorated Ovality 5% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60019520 (m) | |
| 5.2 to 6.2 | Remove rebar from pipe invert |

| 6 | Remove encrustation from pipe joint @ 6:00 |
|------|--|
| 7.6 | Remove encrustation from pipe joint @ 6:00 |
| 10.8 | Remove encrustation from pipe joint @ 3:00 |
| 20.1 | Remove encrustation from pipe joint @ 6:00 |
| | |

| La Grave Street (Asset No. MA60022547) Land Drainage Sewer | MH at Lord Ave (MH60018919) to 1st MH N of Lord Ave (MH60018915) |
|--|--|
| Drawng Number | 13114 |
| Size / Shape | 300mm circular |
| Material Type | concrete |
| Total Length | 77.27m |
| Maximum Sewer Depth to Invert | 2.07m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60018919 (m) | |
| 17.6 | Remove encrustation from pipe wall @ 6:00 |
| 23.9 | Remove encrustation from pipe wall @ 5:00 |
| 24.8 | Remove encrustation from pipe wall @ 5:00 |
| 25.6 to 77.5 | Remove roots from pipe joints |
| 26.3 | Remove encrustation from pipe wall @ 5:00 |
| 31.2 | Remove encrustation from pipe wall @ 5:00 |

| Lord Avenue (Asset No. MA60022532) Land Drainage Sewer | 1st MH S of Lemay Ave (MH60018905) to 2nd MH S of Lemay Ave (MH70023738) |
|---|--|
| Drawng Number | 13115 |
| Size / Shape | 300mm circular |
| Material Type | concrete |
| Total Length | 78.55m |
| Maximum Sewer Depth to Invert | 3.23m |
| Design Condition | Fully Deteriorated Ovality 3% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60018905 (m) | |
| 0.0 to 79.1 | Remove roots from pipe joints |
| 61.1 to 71.9 | EPR 61.1 to 71.9 |
| 75.1 | Note: material change to PVC |

| Chevrier Boulevard (Asset No. MA60018009) Land Drainage Sewer | 1st MH E of French St (MH60015679) to 1st MH W of French St (MH60015590) | |
|--|--|--|
| Drawng Number | 13116 | |
| Size / Shape | 375mm circular | |
| Material Type | concrete | |
| Total Length | 84.62m | |
| Maximum Sewer Depth to Invert | 3.11m | |
| Design Condition | Fully Deteriorated Ovality 2% | |
| Site Specific Repairs | | |
| Location | Action Required | |
| Distance From MH60015679 (m) | | |
| 5.1 to 10.6 | CUTION: Infiltration | |
| 18.6 | Remove encrustation from pipe wall @ 2:00 | |
| 18.6 | Remove Roots frpm pipe joint | |
| 24.4 | Remove encrustation from pipe joint @ 1:00 to 4:00 | |
| 26.3 | Remove encrustation below service @ 1:00 | |
| 38.1 | Remove intruding service @ 9:00 | |
| 53.9 to unknown | EPR 53.9 to limits of collapse (to be determined) | |
| | | |

| Marshall Crescent (E Leg) (Asset No. MA60017030) Land Drainage Sewer | 1st MH N of Maybank Dr (MH60014824) to MH at Maybank Dr (MH60014666) |
|---|--|
| Drawng Number | 13117 |
| Size / Shape | 450mm circular |
| Material Type | concrete / clay |
| Total Length | 71.9m |
| Maximum Sewer Depth to Invert | 2.73m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| ocation Action Required | |
| Distance From MH (m) | |
| 0.0 to 55.0 | Remove roots from pipe joints and walls |
| 8.5 | Note: material change to clay |
| 71 | Remove encrustation from pipe wall @ 5:00 |
| | |

| Waller Avenue (Asset No. MA60017196) Land Drainage Sewer | 1st MH W of Marshall Cr (MH60014814) to 2nd MH W of Marshall Cr (MH60014826) |
|---|--|
| Drawng Number | 13118 |
| Size / Shape | 300mm circular |
| Material Type | concrete |
| Total Length | 85.08m |
| Maximum Sewer Depth to Invert | 2.9m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60014814 (m) | |
| 1 | Remove encrustation from pipe wall @ 5:00 |
| 5.2 | Remove encrustation below service @ 10:00 |
| 5.6 to 5.9 | Remove encrustation from pipe wall @ 6:00 to 9:00 |
| 6.9 | Remove roots from pipe joint |
| 21.3 to 85.1 | Remove roots from pipe joints |
| 22.1 to 22.3 | Remove encrustation from pipe wall @ 4:00 |
| 41.7 | Remove encrustation from pipe wall @ 5:00 |
| 44 | Remove encrustation from pipe wall @ 5:00 |
| 44.8 | Remove encrustation from pipe joint @ 4:00 |
| 46.5 | Remove encrustation from pipe wall @ 7:00 |
| 54.3 | Remove encrustation from pipe joint @ 7:00 to 12:00 |
| 67.6 | Remove encrustation from pipe joint @ 8:00 |
| 84.6 | Remove encrustation from pipe joint @ 8:00 |

| Dowker Avenue (Asset No. MA60017467) Land Drainage Sewer | 1st MH E of Kenneth St (MH60015083) to 2nd MH E of Kenneth St (MH60015098) |
|---|--|
| Drawng Number | 13119 |
| Size / Shape | 375mm circular |
| Material Type | concrete |
| Total Length | 27.47m |
| Maximum Sewer Depth to Invert | 2.33m |
| Design Condition | Fully Deteriorated Ovality 7% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60015083 (m) | |
| 0.9 to 27.0 | Remove roots from pipe joints |
| 24.5 | Note: material change to PVC |

| Holly Avenue (Asset No. MA60017546) Land Drainage Sewer | Mh at McDougal St (MH60015167) to MH at Oriole St (MH60015174) |
|--|--|
| Drawng Number | 13120 |
| Size / Shape | 375mm circular |
| Material Type | concrete |
| Total Length | 74.91m |
| Maximum Sewer Depth to Invert | 3.07m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60015167 (m) | |
| 0.0 to 75.1 | Remove roots from pipe joints |
| 23.2 | Remove encrustation from pipe joint @ 7:00 |
| 61.7 to 63.3 | EPR from 61.7 to 63.3 |

| South Drive (Asset No. MA60017742) Land Drainage Sewer | 1st MH S of Pointe Rd (MH60015373) to 2nd MH S of Pointe Rd (MH60015363) |
|---|--|
| Drawng Number | 13121 |
| Size / Shape | 300mm circular |
| Material Type | concrete |
| Total Length | 91.97m |
| Maximum Sewer Depth to Invert | 2.47m |
| Design Condition | Fully Deteriorated Ovality 6% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60015373 (m) | |
| 0.0 to 0.5 | Remove encrustation from pipe wall @ 6:00 |
| 6.9 | Note: material change to PVC |
| 7.8 | Note: material change to concrete |
| 35.5 | Note: material change to PVC |
| 47.3 | Note: material change to concrete |
| 70.5 to 76.4 | Remove roots from pipe joints |
| 77.1 | Note: material change to PVC, CAUTION: displaced joint |
| 78.6 | Note: material change to concrete |
| 78.6 to 80.2 | Remove roots from pipe joints |
| 91.4 | CAUTION: displaced joint |

| Wildwood C PK (N Leg) (Asset No. MA60013403) Wastewater Sewer | MH at Wildwood C PK (MH60011532) to 1st MH E of Wildwood C PK (MH60011530) |
|--|--|
| Drawng Number | 13122 |
| Size / Shape | 200mm circular |
| Material Type | clay |
| Total Length | 72.15m |
| Maximum Sewer Depth to Invert | 2.93m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60011532 (m) | · |
| 2.7 | Remove roots from pipe joint @ 9:00 |
| 3.6 | Remove roots from connection @ 9:00 |
| 4.0 to 4.8 | Remove grease from pipe wall at 11:00 to 1:00 |
| 4 | Remove roots from pipe joint @ 2:00 |
| 4.8 | Remove roots from pipe joint @ 9:00 |
| 6.3 | Remove roots from pipe joint @ 3:00 |
| 7 | Remove roots from pipe joint @ 10:00 |
| 7.8 | Remove roots from pipe joint |
| 9.4 | Remove roots from pipe joint @ 3:00 and 9:00 |
| 10.2 | Remove roots from pipe joint @ 3:00 and 9:00 |
| 11 | Remove roots from pipe joint @ 3:00 and 9:00 |
| 12.3 | Remove roots from pipe joint @ 3:00 |
| 13.7 | Remove roots from pipe joint @ 3:00 |
| 18.5 | Remove roots from pipe joint @ 3:00 |
| 31.7 to 32.3 | Remove encrustation from pipe wall @ 1:00 to 4:00 |
| 60.7 | Remove roots from pipe joint @ 3:00 |
| 62.3 | Remove roots from pipe joint @ 3:00 |
| 62.5 | Remove roots from connection @ 9:00 |
| 63.2 | Remove roots from connection @ 1:00 |
| 63.6 | Remove roots from pipe joint @ 10:00 |
| 64.4 to 66.6 | EPR 64.4 to 66.6 including 2 service connections |
| 69 | Remove roots from pipe joint @ 9:00 |
| 70.5 | Remove roots from pipe joint @ 3:00 |
| 71.3 | Remove roots from pipe joint @ 3:00 and 9:00 |
| 71.7 | Remove roots from pipe joint @ 9:00 |
| | |

| Hector Bay (Asset No. MA60011305) Combined Sewer | MH at Hector Bay (S Leg) (MH60009568) to MH N of Hector Bay (S Leg) (MH60009684) |
|---|--|
| Drawng Number | 13123 |
| Size / Shape | 300mm circular |
| Material Type | clay |
| Total Length | 58.71m |
| Maximum Sewer Depth to Invert | 3.55m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60009568 (m) | |
| 4.7 | Remove encrustation from pipe wall @ 6:00 |
| 23.8 | Remove encrustation below service @ 2:00 |
| 31.3 | Remove encrustation below service @ 10:00 |
| 39.9 | Remove encrustation below service @ 2:00 |
| 50.2 | Remove encrustation from pipe joint @ 7:00 |
| 55.7 | Remove encrustation below service @ 2:00 |
| | |

| Size / Shape Material Type Total Length Maximum Sewer Depth to Invert Design Condition Location Distance From MH60009684 (m) 1.6 2.9 5.3 14.9 | 1st MH N of Hector Bay (S Leg) (MH60009684) to Tee at Hector Ave |
|--|--|
| Drawng Number | 13123 |
| Size / Shape | 300mm circular |
| Material Type | clay |
| Total Length | 58.73m |
| Maximum Sewer Depth to Invert | 5.3m |
| Design Condition | Fully Deteriorated Ovality 7% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60009684 (m) | |
| 1.6 | Remove encrustation from pipe joint @ 6:00 |
| 2.9 | Remove encrustation below service @ 10:00 |
| 5.3 | Remove encrustation from pipe joint @ 6:00 |
| 14.9 | Remove encrustation from pipe joint @ 8:00 |
| 15 | Remove encrustation below service @ 2:00 |
| 21.6 | Remove encrustation from pipe joint @ 5:00 |
| 26.2 | Remove encrustation from pipe joint @ 5:00 |
| 31.1 | Remove encrustation from pipe joint @ 7:00 |
| 32 | Remove roots from pipe joint |
| 32.9 | Remove intruding service @ 11:00 |

| 4 | 14 | Survey abandoned due to camera under water |
|---|----|--|
| | | |

| Morley Avenue (Asset No. MA60008749) Combined Sewer | 1st MH W of Osborne St (MH60007780) to MH at Osborne St (MH60007197) |
|--|--|
| Drawng Number | 13124 |
| Size / Shape | 450mm circular |
| Material Type | clay |
| Total Length | 96.71m |
| Maximum Sewer Depth to Invert | 5.32m |
| Design Condition | Fully Deteriorated Ovality 4% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH60007780 (m) | |
| 2.7 | Note: material change to PVC |
| 3.1 | Remove intruding service @ 12:00 |
| 3.9 | Remove intruding service @ 12:00 |
| 4.3 | Note: material change to clay |
| 4.9 to 7.1 | Remove grease from pipe wall at 5:00 |
| 7.1 | EPR from 6.7 to 7.3 including 1 service connection |
| 31.2 | Remove encrustation from pipe wall @ 7:00 to 10:00 |

| Champlain Street (Asset No. MA50010759) Combined Sewer | 1st MH N of St. Mary's Road (MH50008732) to MH at Caton St (MH50003650) |
|---|---|
| Drawng Number | 13125 |
| Size / Shape | 300mm circular |
| Material Type | concrete |
| Total Length | 95.45m |
| Maximum Sewer Depth to Invert | 4.29m |
| Design Condition | Fully Deteriorated Ovality 4% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH50008732 (m) | |
| 2.1 | Remove encrustation from pipe joint @ 6:00 |
| 3 | Remove intruding service @ 2:00 |
| 3.4 | Remove roots from pipe joint |
| 5.8 | Remove encrustation from pipe joint @ 7:00 |
| 18.1 | Remove encrustation from pipe joint @ 3:00 |
| 18.9 | Remove encrustation from pipe joint @ 9:00 |
| 19.6 | Remove encrustation from pipe joint @ 9:00 to 3:00 |
| 20.4 | Remove encrustation from pipe joint @ 1:00 to 11:00 |
| 20.9 | Remove encrustation from pipe wall @ 2:00 |
| 21.2 | Remove encrustation from pipe joint @ 9:00 and 3:00 |
| 22.2 | Remove encrustation from pipe joint @ 10:00 |
| 23 | Remove encrustation from pipe joint @ 9:00 |
| 25 | Remove encrustation from pipe joint @ 9:00 |
| 25.6 to 28.9 | Remove grease from pipe wall @ 12:00 to 4:00 |
| 29.7 | Remove encrustation from pipe joint @ 3:00 |
| 30.5 | Remove encrustation from pipe joint @ 3:00 |
| 31.3 | Remove encrustation from pipe joint @ 10:00 |
| 31.3 to 36.2 | Remove encrustation from pipe wall |
| 36.5 to 40.4 | Remove grease from pipe wall @ 12:00 to 4:00 |
| 40.4 | Remove encrustation at service @ 2:00 |
| 41.2 to 43.1 | Remove encrustation from pipe wall |
| 44.2 to 45.8 | Remove encrustation from pipe wall |
| 71.3 | Remove encrustation from pipe wall @ 8:00 |
| 72 | Remove encrustation from pipe joint @ 9:00 |
| 72.7 | Remove encrustation from pipe wall @9:00 |
| 73.6 | Remove encrustation from pipe joint @ 8:00 |
| 74.4 | Remove encrustation from pipe joint @ 1:00 to 11:00 |
| 84.4 | Remove encrustation from pipe joint @ 8:00 |
| 86.6 | Remove encrustation from pipe joint @ 9:00 |
| 93.5 | Remove encrustation from pipe joint @ 5:00 |
| | 11) |

| Champlain Street (Asset No. MA50010752) Combined Sewer | MH at Niverville Ave (MH50008725) to 1st MH S of Niverville Ave (MH50008726) |
|---|--|
| Drawng Number | 13126 |
| Size / Shape | 300mm circular |
| Material Type | concrete |
| Total Length | 88.03m |
| Maximum Sewer Depth to Invert | 3.90m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH50008725 (m) | |
| 2 | Remove encrustation from pipe joint @ 4:00 to 7:00 |
| 2.7 | Remove encrustation from pipe joint @ 4:00 to 7:00 |
| 3.5 | Remove encrustation from pipe joint @ 4:00 to 7:00 |

| .1 Remo .8 Remo .1 Remo 2.7 Remo 3.5 Remo 8.8 Remo 2 Remo 2.6 Remo 4.3 Remo 5.1 Remo 5.9 Remo 7.3 Remo 8.2 Remo 9 Remo 9.7 Remo 9.7 Remo 9.7 Remo 9.7 Remo 9.8 Remo 5.2 Remo 5.9 Remo 7.5 Remo 8.9 Remo 9.8 Remo 9.8 Remo 9.5 Remo 6.6 Remo 0.6 Remo 5.5 Remo 6.6 Remo 6.7 Remo 3.7 Remo 4.5 Remo 6.7 Remo 6.8 Remo | re encrustation from pipe joint @ 4:00 to 7:00 re encrustation from pipe joint @ 4:00 to 7:00 re encrustation from pipe joint @ 4:00 to 7:00 re encrustation from pipe joint @ 4:00 to 7:00 re encrustation from pipe joint @ 5:00 to 7:00 re encrustation from pipe joint @ 5:00 to 7:00 re encrustation from pipe joint @ 5:00 to 7:00 re encrustation from pipe joint @ 6:00 r |
|--|--|
| .8 Remo .1 Remo 1 Remo 2.7 Remo 3.5 Remo 8.8 Remo 2 Remo 2.6 Remo 4.3 Remo 5.1 Remo 5.9 Remo 7.3 Remo 8.2 Remo 9 Remo 9.7 Remo 1.3 Remo 2 Remo 3.5 Remo 3.5 Remo 4.4 Remo 5.2 Remo 5.9 Remo 7.5 Remo 8.9 Remo 9.8 Remo 1.3 Remo 2.7 Remo 5.5 Remo 6.6 Remo 0.6 Remo 2.1 Remo 3.7 Remo 4.5 Remo 6.8 Remo 9.9 Remo | re encrustation from pipe joint @ 4:00 to 7:00 re encrustation from pipe joint @ 4:00 to 7:00 re encrustation at service @ 10:00 re encrustation from pipe joint @ 5:00 to 7:00 re encrustation from pipe joint @ 5:00 to 7:00 re encrustation from pipe joint @ 6:00 re encrustation from pipe joi |
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| 3.7 Remo 4.5 Remo 5.2 Remo 6.8 Remo 8.3 Remo 9.9 Remo 0.7 Remo 2.2 Remo 3.7 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | ve encrustation from nine joint @ 6:00 |
| 4.5 Remo 5.2 Remo 6.8 Remo 8.3 Remo 9.9 Remo 0.7 Remo 2.2 Remo 3 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 1.5 Remo 2.2 Remo | e charastation from pipe joint & cise |
| 5.2 Remo 6.8 Remo 8.3 Remo 9.9 Remo 0.7 Remo 2.2 Remo 3.7 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 1.5 Remo 2.2 Remo | e encrustation from pipe joint @ 6:00 |
| 6.8 Remo 8.3 Remo 9.9 Remo 6.7 Remo 6.2.2 Remo 3.7 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 1.5 Remo 2.2 Remo | e encrustation from pipe joint @ 6:00 |
| 8.3 Remo 9.9 Remo 60.7 Remo 22.2 Remo 3 Remo 3.7 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 70.7 Remo 11.5 Remo 2.2 Remo | e encrustation from pipe joint @ 6:00 |
| 9.9 Remo 0.7 Remo 2.2 Remo 3 Remo 3.7 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | e encrustation from pipe joint @ 6:00 |
| 0.7 Remo 2.2 Remo 3 Remo 3.7 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 2.2 Remo 3 Remo 3.7 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 7.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| Remo 3.7 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 3.7 Remo 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 4.5 Remo 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 70.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 5.3 Remo 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 6.1 Remo 6.8 Remo 7.6 Remo 8.4 Remo 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 9:00 |
| 6.8 Remo 67.6 Remo 8.4 Remo 69.2 Remo 70.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 7.6 Remo 8.4 Remo 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 8.4 Remo 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 9.2 Remo 0.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 and 9:00 |
| 0.7 Remo 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 1.5 Remo 2.2 Remo | re encrustation from pipe joint @ 6:00 |
| 2.2 Remo | re intruding service @ 10:00 |
| | re encrustation from pipe joint @ 5:00 |
| I. | re encrustation from pipe joint @ 6:00 |
| | re encrustation from pipe joint @ 6:00 |
| | e encrustation from pipe joint @ 6:00 |
| | an amountation from ping initial O.C.O. |
| | re encrustation from pipe joint @ 6:00 |
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| | re encrustation from pipe joint @ 6:00 re encrustation from pipe joint @ 6:00 |
| | re encrustation from pipe joint @ 6:00 re encrustation from pipe joint @ 6:00 re encrustation from pipe joint @ 6:00 |
| | ve encrustation from pipe joint @ 6:00 |
| | re encrustation from pipe joint @ 6:00 |
| | re encrustation from pipe joint @ 6:00 |
| 6.2 to 87.7 EPR 8 | re encrustation from pipe joint @ 6:00 |

| St. Catherine Street (Asset No. MA50002583) Wastewater Sewer | 1st MH W of Archibald St (MH50002182) to MH at Archibald Street (MH50002183) |
|---|--|
| Drawng Number | 13127 |
| Size / Shape | 300mm circular |
| Material Type | Clay |
| Total Length | 97.38m |
| Maximum Sewer Depth to Invert | 4.84m |
| Design Condition | Fully Deteriorated Ovality 5% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH 50002182(m) | |
| 18.6 | Remove intruding service @ 10:00 |
| 29.5 | Remove intruding service @ 10:00 |
| 41.6 | EPR from 41.2 to 42.2 including 1 service connection |
| 45.4 | Remove encrustation from pipe joint @ 9:00 |

| 46.9 | Remove encrustation from pipe joint @ 9:00 |
|------|--|
| 51.7 | Remove encrustation from pipe joint @ 7:00 |
| 56.5 | Remove intruding service @ 10:00 |
| 66.5 | Remove intruding service @ 10:00 |
| 97.1 | Remove encrustation from pipe wall @ 9:00 |
| | |

| Dawson Road (Asset No. MA70150054) Wastewater Sewer | 2nd MH E of Dawson Rd (MH70074901) to 1st MH E of Dawson Rd (MH70036164) |
|--|--|
| Drawng Number | 13128 |
| Size / Shape | 200mm circular |
| Material Type | concrete |
| Total Length | 12.47m |
| Maximum Sewer Depth to Invert | 3.6m |
| Design Condition | Fully Deteriorated Ovality 4% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH70074901 (m) | |
| 11.1 | Note: material change to PVC |
| | |

| Dugald Road (Asset No. MA70149383) Wastewater Sewer | 3rd MH E of Dawson Rd (MH70074502) to 2nd MH E of Dawson Rd (MH70074901) |
|--|--|
| Drawng Number | 13128 |
| Size / Shape | 200mm circular |
| Material Type | concrete |
| Total Length | 132.67m |
| Maximum Sewer Depth to Invert | 3.23m |
| Design Condition | Fully Deteriorated Ovality 4% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH70074502 (m) | |
| 0.6 | Remove encrustation from pipe joint @ 5:00 to 7:00 |
| 0.6 | remove roots from pipe joint |
| 4.4 to 5.0 | Remove encrustation from pipe wall |
| 5.7 | Remove encrustation from pipe joint @ 1:00 to 5:00 |
| 6.5 | Remove encrustation from pipe joint @ 5:00 to 7:00 |
| 10.4 | Remove encrustation from pipe joint @ 2:00 |
| 12.1 | Remove encrustation from pipe wall |
| 15.9 | Remove encrustation from pipe joint |
| 28.4 | Remove encrustation from pipe joint @ 3:00 |
| 29.9 | Remove encrustation from pipe joint |
| 38.6 | Remove intruding service @ 3:00 |
| 29.2 | Remove encrustation from pipe wall @ 2:00 |
| 42.1 | Remove encrustation from pipe wall @ 9:00 |
| 42.4 | Remove encrustation from pipe joint @ 8:00 to 5:00 |
| 43.6 | Remove encrustation from pipe joint @ 8:00 to 5:00 |
| 44.4 | Remove encrustation from pipe joint @ 8:00 to 5:00 |
| 44.7 | Remove encrustation from pipe joint @ 8:00 to 5:00 |
| 45.5 | Remove encrustation from pipe joint @ 8:00 to 5:00 |
| 46.3 | Remove encrustation from pipe joint @ 8:00 to 5:00 |
| 47.1 | Remove encrustation from pipe joint @ 8:00 to 5:00 |
| 47.8 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 49.4 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 50.2 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 51 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 51.8 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 52.5 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 53.3 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 54.1 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 54.1 to 56.7 | Remove encrustation from pipe wall |
| 60.3 | Remove encrustation from pipe joint @ 7:00 |
| 66.8 | Remove intruding service @ 3:00 |
| 68.9 | remove roots from pipe joint @ 3:00 |
| 71.5 | remove roots from service @ 3:00 |
| 89.1 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 93.8 | Remove encrustation from pipe wall @ 6:00 |
| 94.6 | Remove encrustation from pipe joint @ 10:00 and 3:00 |
| 95.5 | Remove encrustation from pipe wall @ 3:00 |
| 96.2 | Remove encrustation from pipe joint @ 3:00 |
| 105.8 | Remove encrustation from pipe wall |
| 106.3 | remove roots from pipe joint |
| 109.3 | Remove encrustation at service @ 3:00 |
| 109.5 | Remove encrustation from pipe joint @ 7:00 to 4:00 |
| 114.9 | Remove encrustation from pipe joint @ 7:00 to 4:00 |
| 115.6 | Remove encrustation from pipe joint @ 7:00 to 4:00 |
| 115.9 | Remove encrustation at service @ 3:00 |
| 116.1 | Remove encrustation at service @ 5.00 Remove encrustation from pipe wall @ 7:00 to 5:00 |
| 116.4 | Remove encrustation from pipe wait @ 7.00 to 5.00 |
| 118.0 to 118.9 | Remove encrustation from pipe wall |
| 119.6 | Remove encrustation from pipe joint |

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| 123.5 | Remove encrustation from pipe joint @ 6:00 |
|----------------|--|
| 129.4 to 130.7 | Remove encrustation from pipe wall |
| | |

| Plinquet Street (Asset No. MA50009970) Combined Sewer | 1st MH W of Archibald St (MH50008192) to MH at Archibald St (MH50008193) |
|--|--|
| Drawng Number | 13129 |
| Size / Shape | 300mm Circular |
| Material Type | Concrete |
| Total Length | 96.14m |
| Maximum Sewer Depth to Invert | 4.12m |
| Design Condition | Fully Deteriorated Ovality 5% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH50008192 (m) | Action Required |
| 0.0 to 6.6 | Remove encrustation from pipe wall |
| 7.5 | Remove encrustation from pipe wall @ 5:00 |
| | • • |
| 8.9 to 9.6 | Remove encrustation from pipe wall |
| 10.5 | Remove encrustation from pipe joint @ 5:00 |
| 11.5 | Remove encrustation from pipe joint @ 5:00 |
| 11.6 | Remove encrustation from pipe wall @ 12:00 |
| 16 | Remove intruding service @ 2:00 |
| 18.6 | Note: material change to CIPP |
| 21.5 | Note: material change to concrete |
| 21.5 to 21.7 | Remove encrustation from pipe wall @ 12:00 |
| 24 | Remove encrustation from pipe joint @ 9:00 |
| 24.3 to 24.7 | Remove encrustation from pipe wall |
| 26.3 | Remove encrustation from pipe joint @ 4:00 |
| 28.2 | Remove encrustation from pipe joint @ 4:00 |
| 29.6 | Remove encrustation from pipe wall @ 5:00 |
| 30.7 | Remove encrustation from pipe joint @ 4:00 |
| 33.2 | Remove intruding service @ 11:00 |
| 35.4 | Remove intruding service @ 2:00 |
| 38.5 | Remove encrustation from pipe joint @ 8:00 |
| 40.4 | Remove encrustation from pipe joint @ 4:00 |
| 44.2 | Remove encrustation from pipe joint @ 4:00 |
| 47 | Remove encrustation from pipe joint @ 4:00 and 8:00 |
| 47.9 | Remove encrustation from pipe joint @ 4:00 |
| 48.8 | Remove encrustation from pipe joint @ 4:00 and 8:00 |
| | |
| 50.8 | Remove encrustation at service at 10:00 |
| 53.6 to 53.8 | Remove encrustation from pipe wall @ 2:00 to 6:00 |
| 55.4 | Remove encrustation from pipe joint @ 9:00 |
| 61.9 | Remove encrustation from pipe joint @ 9:00 |
| 62.5 | Remove encrustation from pipe joint @ 9:00 |
| 63.3 | Remove intruding service @ 10:00 |
| 63.5 | Remove encrustation from pipe joint |
| 64.4 | Remove encrustation from pipe joint @ 8:00 |
| 65.3 | Remove encrustation from pipe joint @ 4:00 |
| 66 | Remove intruding service @ 2:00 |
| 67.2 | Remove encrustation from pipe joint @ 9:00 |
| 69.7 to 71.1 | Remove encrustation from pipe wall |
| 72.2 | Remove encrustation from pipe joint @ 10:00 |
| 74 | Remove intruding service @ 10:00 |
| 75.2 to 75.8 | Remove encrustation from pipe wall |
| 76.5 | Remove encrustation from pipe joint @ 4:00 |
| 78.6 to 81.3 | Remove encrustation from pipe wall |
| 82.6 to 83.5 | Remove encrustation from pipe wall |
| 88.1 to 91.5 | Remove encrustation from pipe wall |
| 91.6 | Note: material change to PVC |
| 51.0 | ivote. material change to 1 ve |
| | |

| Archibald Street (Asset No. MA70039101) Combined Sewer | MH at Rue Dumoulin (MH50008099) to MH at Rue Notre Dame (MH50008084) | |
|---|--|--|
| Drawng Number | 13130 | |
| Size / Shape | 450mm circular | |
| Material Type | clay | |
| Total Length | 100.87m | |
| Maximum Sewer Depth to Invert | 5.45m | |
| Design Condition | Fully Deteriorated Ovality 7% | |
| Site Specific Repairs | | |
| Location | Action Required | |
| Distance From MH50008099 (m) | | |
| 7.6 | Note: material change to PVC | |
| 14.7 | Note: material change to clay | |
| 15.4 | Remove encrustation from pipe joint @ 5:00 | |
| 25.1 | Remove intruding service @ 11:00 | |
| 32.1 | Remove encrustation below service at 2:00 | |
| 40.4 | Remove encrustation below service at 10:00 | |
| 47.1 | Remove encrustation below service at 10:00 | |
| 53.8 | Note: material change to PVC | |
| 75.2 | Note: material change to clay | |

| 75.2 | Remove encrustation from pipe joint @ 9:00 |
|--------------|--|
| 75.2 to 75.9 | Remove encrustation from pipe wall |
| 81 | Remove encrustation below service at 10:00 |
| 99.6 | Remove encrustation from pipe joint @ 9:00 to 5:00 |
| 100.3 | Remove encrustation from pipe joint @ 9:00 to 5:00 |
| | |

| Mission Street (Asset No. MA50009818) Combined Sewer | MH at Archibald St (W of CL) (MH50008080) to MH at Archibald St (MH50008081) |
|---|--|
| Drawng Number | 13131 |
| Size / Shape | 375mm circular |
| Material Type | cmp / concrete |
| Total Length | 2.31m |
| Maximum Sewer Depth to Invert | 6.22m |
| Design Condition | Fully Deteriorated Ovality 4% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH50008080 (m) | |
| 1.5 | Note: material change to concrete |
| 1.5 | Remove encrustation from pipe joint |
| | |

| Washington Avenue (Asset No. MA40003423) Combined Sewer | MH at Watt St (MH40003115) to MH at Watt St (E of CL) (MH40003116) |
|--|--|
| Drawng Number | 13132 |
| Size / Shape | 450mm circular |
| Material Type | clay |
| Total Length | 8.04m |
| Maximum Sewer Depth to Invert | 6.14m |
| Design Condition | Fully Deteriorated Ovality 6% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH (m) | |
| 7.2 | Remove encrustation from pipe wall @ MH |
| | |

| Leighton Avenue (Asset No. MA40006756) Combined Sewer | MH at Henderson Hwy (MH40006256) to 1st MH W of Henderson Hwy (MH40006179) |
|--|--|
| Drawng Number | 13133 |
| Size / Shape | 375mm circular |
| Material Type | clay |
| Total Length | 96.21m |
| Maximum Sewer Depth to Invert | 4.96m |
| Design Condition | Fully Deteriorated Ovality 4% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH40006256 (m) | |
| 6.9 | Remove encrustation from pipe joint @ 10:00 |
| 12 | Remove encrustation at service @ 2:00 |
| 12.6 | Remove encrustation at service @ 2:00 |
| 19 | Remove encrustation at service @ 12:00 |
| 31 | Remove encrustation from pipe joint @ 8:00 |
| 51.9 | Remove encrustation from pipe joint @ 7:00 to 10:00 |
| 53.3 to 53.8 | Remove encrustation from pipe wall |
| 53.8 | Remove intruding service @ 10:00 |
| 53.8 | Remove intruding service @ 2:00 |
| 54.4 | Remove encrustation from pipe joint @ 1:00 to 5:00 |
| 55.1 | Remove encrustation from pipe joint @ 7:00 to 10:00 |
| 56 | Remove encrustation from pipe joint @ 2:00 to 5:00 |
| 62.4 | Remove encrustation at service @ 2:00 |
| 63 | Remove encrustation at service @ 10:00 |
| 64.4 | Remove encrustation from pipe joint @ 9:00 |
| 67.4 | Remove encrustation from pipe joint @ 5:00 to 7:00 |

| Henderson Highway (Asset No. MA70024905) Combined Sewer | MH at Mossdale Av (MH40006242) to MH at Leighton Av (MH40006256) |
|--|--|
| Drawng Number | 13134 |
| Size / Shape | 300mm circular |
| Material Type | clay |
| Total Length | 78.05m |
| Maximum Sewer Depth to Invert | 4.39m |
| Design Condition | Fully Deteriorated Ovality 5% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH40006242 (m) | |
| 9.3 | Remove encrustation from pipe joint @ 3:00 |
| 10 | Note: material change to CIPP |

| 10.2 to 11.0 | Remove grease from pipe wall at 9:00 and 3:00 |
|--------------|---|
| 10.4 | Remove encrustation from pipe wall @ 9:00 to 12:00 |
| 12 | Note: material change to clay |
| 17.5 | Remove encrustation from pipe joint @ 3:00 |
| 18.6 to 19.6 | Remove encrustation from pipe wall @ 8:00 to 5:00 |
| 22.5 | Remove intruding service @ 2:00 |
| 24 | Remove encrustation from pipe joint @ 3:00 |
| 24.8 | Remove solid debris at 6:00 |
| 26.8 | Remove encrustation from pipe joint @ 3:00 |
| 28.8 | Remove encrustation from pipe joint @ 9:00 |
| 40 | Remove encrustation from pipe joint @ 3:00 |
| 41.8 to 43.6 | Remove grease from pipe wall @ 10:00 |
| 42.7 | Remove encrustation from pipe joint @ 9:00 and 3:00 |
| 44.6 | Remove encrustation from pipe joint @ 9:00 and 3:00 |
| 45.0 to 49.0 | Remove encrustation from pipe joint @ 9:00 and 3:00 |
| 49.3 | Remove encrustation from pipe joint @ 9:00 |
| 51 | Remove encrustation from pipe joint @ 9:00 |
| 55 | Remove intruding service @ 2:00 |
| 63.1 | Remove encrustation from pipe joint @ 3:00 |
| 73.2 | Remove encrustation from pipe joint @ 5:00 |
| 75.1 | Remove encrustation from pipe joint @ 5:00 and 7:00 |
| | |

| Edkar Crescent (W Leg) (Asset No. MA40000070) Wastewater Sewer | 1st MH N of Edkar Cr (S Leg) (MH40000047) to MH at Mcivor Av (MH40000113) |
|---|---|
| Drawng Number | 13135 |
| Size / Shape | 250mm circular |
| Material Type | concrete |
| Total Length | 84.65m |
| Maximum Sewer Depth to Invert | 3.98m |
| Design Condition | Fully Deteriorated Ovality 4% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH40000047 (m) | |
| 11.4 to 16.7 | Remove grease from pipe wall @ 9:00 to 3:00 |
| 20.7 | Remove encrustation from pipe wall @ 10:00 |
| 21.1 to 22.9 | Remove grease from pipe wall @ 12:00 |
| 24.6 | Remove encrustation from pipe joint @ 10:00 to 3:00 |
| 28.3 | Remove encrustation from pipe wall @ 9:00 to 3:00 |
| 31.9 | Remove encrustation from pipe wall @ 2:00 |
| 84.2 | Remove encrustation from pipe wall @ 8:00 to 5:00 |

| Cormorant Bay (Asset No. MA50001952) Wastewater Sewer | MH at Cormorant (S Leg) (MH50001704) to 1st MH N of Cormorant (S Leg) (MH50001705) |
|--|--|
| Drawng Number | 13136 |
| Size / Shape | 250mm circular |
| Material Type | concrete |
| Total Length | 91.30m |
| Maximum Sewer Depth to Invert | 2.86m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH50001704 (m) | |
| 2.4 | Remove encrustation from pipe joint @ 7:00 to 3:00 |
| 3.2 | Remove encrustation at service @ 3:00 |
| 5.5 | Remove encrustation at service @ 3:00 |
| 6.6 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 20.4 | Remove encrustation at service @ 3:00 |
| 20.8 to 21.4 | Remove grease from pipe wall @ 9:00 to 3:00 |
| 21.4 | Remove encrustation at service @ 3:00 |
| 26.8 | Remove encrustation from pipe joint @ 3:00 to 7:00 |
| 28.1 | Remove encrustation from pipe joint @ 3:00 to 9:00 |
| 32.9 | Remove encrustation from pipe joint @ 1:00 to 7:00 |
| 34.2 | Remove encrustation from pipe joint @ 7:00 to 5:00 |
| 35.1 | Remove encrustation from pipe wall @ 1:00 |
| 39 | Remove encrustation from pipe joint @ 8:00 to 3:00 |
| 39.8 | Remove intruding service @ 9:00 |
| 44 | Remove encrustation from pipe joint @ 9:00 |
| 46.3 | Remove encrustation from pipe joint @ 9:00 |
| 55 | Remove encrustation from pipe joint @ 7:00 |
| 56.7 | Remove encrustation at service @ 9:00 |
| 57 | Remove encrustation at service @ 3:00 |
| 67.2 | Remove encrustation from pipe joint @ 4:00 to 7:00 |
| 72.1 | Remove encrustation from pipe joint @ 1:00 to 11:00 |

| Marwood Crescent (S Leg) (Asset No. MA50001465) Land Drainage Sewer | 1st MH W of Edgemont Dr (MH50001271) to MH at Edgemont Dr (MH50001272) |
|--|--|
| Drawng Number | 13137 |

| Size / Shape | 375mm circular |
|-------------------------------|---|
| Material Type | concrete |
| Total Length | 68.57m |
| Maximum Sewer Depth to Invert | 1.72m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH50001271 (m) | |
| | No preparation works identified outside of sewer cleaning |
| | |

| Leola Street (Asset No. MA40009006) Wastewater Sewer | MH at Regent Ave E (MH40008194) to MH at Victoria Ave E (MH40008200) |
|---|--|
| Drawng Number | 13138 |
| Size / Shape | 200mm circular |
| Material Type | Clay |
| Total Length | 90.91m |
| Maximum Sewer Depth to Invert | 2.71m |
| Design Condition | Fully Deteriorated Ovality 2% |
| | Site Specific Repairs |
| Location | Action Required |
| Distance From MH (m) | |
| 7.5 | Note: material change to concrete |
| 9.4 | Note: material change to clay |
| 11.5 | Remove intruding service @ 2:00 |
| 17.1 | Remove encrustation below service at 10:00 |
| 32.2 | Remove encrustation from pipe joint @ 4:00 |
| 33.3 | Remove encrustation from pipe wall @ 4:00 |
| 84.3 | Note: material change to PVC |
| 86.3 | Note: material change to clay |
| 88.2 | Remove intruding service @ 10:00 |
| | |