



Inspection report

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|--------------------------|---|---------------------------------|---------------------------------------|---|--|
| Date: 5/6/2022 | Work Order: | Weather: Dry | Surveyed By: Steven Bucklin | Certificate Number: U-0819-70306510 | Pipe Segment Ref.: MH060097-MH060115 |
| Year laid: | Pre-cleaning: No Pre-Cleaning | Direction: Downstream | Pipe Joint Length: | Total Length: | Length Surveyed: |

| | | |
|--|-------------------------------------|---------------------------------|
| City: City of Superior | Drainage Area: | Upstream MH: MH060115 |
| Street: BTW ROYALTON & WINDSOR AND BTW | Media Label: 1111 | Up Rim to Invert: 0.0 |
| Location Code: Easement/Right of way | Flow Control: Not Controlled | Downstream MH: MH060097 |
| Location Details: | Sheet Number: 19 | Down Rim to Invert: 0.0 |
| Pipe shape: Circular | Sewer Use: Combined Pipe | Total gallons used: 0.0 |
| Pipe size: 12 | Sewer Category: SEC | Joints passed: 0 |
| Pipe material: Vitrified Clay Pipe | Purpose: Routine Assessment | Joints failed: 0 |
| Lining Method: None | Owner: City of Superior | |

Additional Info:

| 1:2098 | Distance | Code | Observation | Counter | Photo | Grade |
|--------|----------|----------|--|----------|-----------------------------------|-------|
| | 0.0 | AMH | Manhole / MH060115 | 00:00:01 | MH060097 -MH06011 5_905cab4 | |
| | 0.0 | MWL | Water Level, 5% of the vertical dimension | 00:01:41 | MH060097 -MH06011 5_5a9e04 | |
| | 0.6 | S01 B | Broken from 12 o'clock to 12 o'clock, within 8 inch, Start | 00:03:04 | MH060097 -MH06011 5_02da44 | |
| | 1.2 | BSV | Broken Soil Visible from 12 o'clock to 12 o'clock, within 8 inch | 00:03:35 | MH060097 -MH06011 5_1a5dc45 | S5 |
| | 1.2 | RFB | Roots Fine Barrell from 10 o'clock to 2 o'clock | 00:03:52 | MH060097 -MH06011 5_8db9b1 | M2 |
| | 1.9 | S02 MWLS | Miscellaneous Water Level, Sag, 10% of the vertical dimension, Start | 00:04:15 | MH060097 -MH06011 5_57f6415 | |
| | 3.4 | S03 DSF | Deposits Settled Fine, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Start | 00:04:32 | MH060097 -MH06011 5_f241413 | |
| | 12.2 | F02 MWLS | Miscellaneous Water Level, Sag, 10% of the vertical dimension, Finish | 00:05:56 | MH060097 -MH06011 5_555822 | S2 |
| | 19.5 | S04 RMJ | Roots Medium Joint from 7 o'clock to 5 o'clock, 5% of cross sectional area, Start, within 8 inch | 00:07:07 | MH060097 -MH06011 5_bdfd09d | |
| | 22.3 | S05 RFB | Roots Fine Barrell from 11 o'clock to 1 o'clock, Start | 00:07:42 | MH060097 -MH06011 5_f8f5da6 | |
| | 35.6 | TFC | Tap Factory Made Capped at 11 o'clock, dia/height: 6inch, within 8 inch | 00:09:06 | MH060097 -MH06011 5_ee6bd9 | |
| | 43.4 | TF | Tap Factory Made at 1 o'clock, dia/height: 6inch, within 8 inch / CONSTANTLY DRIPPING WATER. | 00:10:16 | MH060097 -MH06011 5_dc8333f | |
| | 67.8 | MWL | Water Level, 35% of the vertical dimension | 00:12:33 | MH060097 -MH06011 5_ca6ada7 | |
| | 67.8 | S06 DSF | Deposits Settled Fine, 25% of cross sectional area from 4 o'clock to 8 o'clock, within 8 inch, Start | 00:12:41 | MH060097 -MH06011 5_cf392c0 | |
| | 81.2 | RMJ | Roots Medium Joint from 8 o'clock to 4 o'clock, 35% of cross sectional area, within 8 inch | 00:15:20 | MH060097 -MH06011 5_a4c9ad7 | M3 |
| | 90.7 | TFC | Tap Factory Made Capped at 1 o'clock, dia/height: 6inch, within 8 inch | 00:16:18 | MH060097 -MH06011 5_e80bab | |



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| Year laid: | Pre-cleaning: No Pre-Cleaning | Direction: Downstream | Pipe Joint Length: | Total Length: | Length Surveyed: |

| 1:2098 | Distance | Code | Observation | Counter | Photo | Grade |
|--------|----------|------|---|----------|-----------------------------------|-------|
| | 90.7 | F06 | DSF | 00:16:37 | MH060097 -MH06011 5_f7d6d1f | M4 |
| | 90.7 | F05 | RFB | 00:16:45 | MH060097 -MH06011 5_346fc95 | M2 |
| | 104.8 | TFC | Tap Factory Made Capped at 11 o'clock, dia/height: 6inch, within 8 inch | 00:18:19 | MH060097 -MH06011 5_682c3b3 | |
| | 129.9 | S07 | RMJ | 00:21:25 | MH060097 -MH06011 5_d9e3cc8 | |
| | 129.9 | F04 | RMJ | 00:21:17 | MH060097 -MH06011 5_3b2c1f6 | M3 |
| | 147.7 | RMJ | Roots Medium Joint from 6 o'clock to 4 o'clock, 50% of cross sectional area, within 8 inch | 00:26:57 | MH060097 -MH06011 5_45323e | M3 |
| | 147.9 | DR | Deformed Rigid, change to: 5% | 00:27:20 | MH060097 -MH06011 5_5468c01 | S4 |
| | 148.7 | TFD | Tap Factory Made Defective at 1 o'clock, dia/height: 6inch, within 8 inch / SERVOCE TO MAIN CONNNECTION BROKEN, OFFSET, ANGLED, ROOTS GROWING IN, | 00:27:55 | MH060097 -MH06011 5_4211cac | M3 |
| | 148.7 | RML | Roots Medium Lateral from 1 o'clock to 3 o'clock, 15% of cross sectional area | 00:28:07 | MH060097 -MH06011 5_872942 | M3 |
| | 149.6 | S08 | RFB | 00:28:52 | MH060097 -MH06011 5_fdbf11e | |
| | 181.3 | TF | Tap Factory Made at 11 o'clock, dia/height: 6inch, within 8 inch / SERVICE TO MAIN CONNECTION OFFSET. ROOTS GROWING IN IT. | 00:33:08 | MH060097 -MH06011 5_9dc46c3 | |
| | 189.2 | TFC | Tap Factory Made Capped at 1 o'clock, dia/height: 6inch, within 8 inch / ROOTS GROWING AROUND THE CAP | 00:34:42 | MH060097 -MH06011 5_8dfd2b8 | |
| | 195.4 | F08 | RFB | 00:35:32 | MH060097 -MH06011 5_3d024fc | M2 |
| | 199.9 | F07 | RMJ | 00:36:14 | MH060097 -MH06011 5_ab6c234 | M3 |
| | 215.0 | S10 | RFB | 00:37:40 | MH060097 -MH06011 5_aa4d91 | |
| | 217.4 | S09 | RMJ | 00:38:14 | MH060097 -MH06011 5_7240ef3 | |
| | 234.7 | F09 | RMJ | 00:41:04 | MH060097 -MH06011 5_032148 | M3 |
| | 234.7 | F10 | RFB | 00:41:13 | MH060097 -MH06011 5_3bdcaa9 | M2 |
| | 245.4 | TFC | Tap Factory Made Capped at 1 o'clock, dia/height: 6inch, within 8 inch | 00:42:40 | MH060097 -MH06011 5_3e1daec | |
| | 248.7 | TBI | Tap Break-In Intruding at 2 o'clock, dia/height: 6inch, intruding: 1inch, within 8 inch | 00:43:37 | MH060097 -MH06011 5_caa263f | M2 |



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|-----------|------|--|----------|-----------------------------------|-------|
| 253.5 | TFC | Tap Factory Made Capped at 11 o'clock, dia/height: 6inch, within 8 inch | 00:44:45 | MH060097 -MH06011 5_5637b2 | |
| 260.4 S11 | RMJ | Roots Medium Joint from 8 o'clock to 4 o'clock, 10% of cross sectional area, Start, within 8 inch | 00:45:54 | MH060097 -MH06011 5_cf88418 | |
| 266.3 S12 | RFB | Roots Fine Barrell from 11 o'clock to 1 o'clock, Start | 00:47:16 | MH060097 -MH06011 5_de2b73f | |
| 266.3 | IWB | Infiltration Weeper Barrel at 12 o'clock | 00:47:28 | MH060097 -MH06011 5_c28bd04 | M2 |
| 286.5 | TBI | Tap Break-In Intruding at 11 o'clock, dia/height: 6inch, intruding: 6inch, within 8 inch | 00:51:52 | MH060097 -MH06011 5_6aa336 | M5 |
| 286.8 F01 | B | Broken from 12 o'clock to 12 o'clock, within 8 inch, Finish | 00:52:40 | MH060097 -MH06011 5_6a5f426 | S4 |
| 286.8 F03 | DSF | Deposits Settled Fine, 5% of cross sectional area from 5 o'clock to 7 o'clock, within 8 inch, Finish | 00:52:48 | MH060097 -MH06011 5_1b798c6 | M2 |
| 286.8 F11 | RMJ | Roots Medium Joint from 8 o'clock to 4 o'clock, 10% of cross sectional area, Finish, within 8 inch | 00:52:56 | MH060097 -MH06011 5_9d3f521 | M3 |
| 286.8 F12 | RFB | Roots Fine Barrell from 11 o'clock to 1 o'clock, Finish | 00:53:04 | MH060097 -MH06011 5_82a2f69 | M2 |
| 286.8 | MSA | Miscellaneous Survey Abandoned / CAMERA CANT MAKE IT PAST PROTRUDING TAP. | 00:53:12 | MH060097 -MH06011 5_c117d46 | |
| 656.0 | | End of pipe | | | |

1:2098

MH060097

| QSR | QMR | QOR | SPR | MPR | OPR | SPRI | MPRI | OPRI |
|------|------|------|-------|-------|-------|------|------|------|
| 514J | 5145 | 524K | 241.0 | 351.0 | 592.0 | 4.0 | 2.4 | 2.9 |