
PUBLIC WORKS ENGINEERING DIVISION

Inspection Summary

Permit #: PRPWFR20171746, Public Works Infrastructure Permit - Residential
Manor at Stoney Creek 2nd - street, storm, sewer and water

Address:

This work has been inspected and the inspection results noted below. Please call for re-inspection once all corrective actions have been completed. Do not cover any work until approved.

Inspection Item:

Inspection:	Inspector:	Outcome:	Date:
DEI-Storm - Sewer Construction Inspection	Brice Lawson	Partial	Tuesday, February 27, 2018

Corrective Action Required

- 1 Corrections need to be made to the Storm Sewer
Brice Lawson 01/18/2018 4:34 PM

Remove excess concrete from the openings of all curb inlets

The 36" storm pipe between FES 6-1 and CI 6-2 appears to be seperated and squashed.
Make proper corrections. This may have been damaged during road construction.

CI 6-2 Remove lift cables

CI 6-3 Grout the front corners of lid at the inlet frame

CI 6-4 Grout the front corners of lid at the inlet frame

CI 6-5 Grout the front corners of the lid at the inlet frame

FI 3-2 Remove lift cables, grout lid so it does not teeter

JB 3-1 Remove paint from the lid

FI 3-3 Grout the lid so it does not teeter, grout pipe collars, add a step, remove lift cables,
align the concrete lid with the structure

FI 3-4 Align the concrete lid with the structure, remove lift cables, grout gap at corners where lid meets the structure, grout collars

FI 3-5 Remove lift cables, grout the lid at the corners, align the concrete lid with the structure walls

FI 8-1 Align the concrete lid with the structure walls, remove the lift cables and the debris from the weir openings

FI 5-6 Remove the lift cables, align the concrete lid with the structure, grout corners where lid meets the structure, grout the collar, remove debris from the weir openings

FI 5-5 Add a step, grout collars grout corners so the concrete lid does not teeter, remove lift cables align the concrete lid with the structure, remove debris from the weir openings

CI 5-4 Replace the damaged step, remove the anchor bolt from the wall, finish grouting the lid, install the invert bench to guide the water thru the turn

CI 5-3 Remove the lift cables, replace the cover with the proper cover

JB 5-2 Remove paint from the lid, fill the voids and grout collars

Outlet Structure Remove lift cables, grout lift holes, align the lid with the structure walls, grout lid to structure joint, add steps, align the top and bottom structure sections

CI 4-5 Remove lift cables, add a step, remove debris

CI 4-4 Add a step

CI 4-3 Remove anchor bolt from the wall

FI 2-6 Align the concrete lid with the structure, remove lift cables and grout collar

FI 2-5 Grout concrete lid so it does not teeter, align the concrete lid with the structure, grout collar, align steps, remove lift cables

FI 2-4 Add steps, remove lift cables, align the concrete lid with the structure

FI 2-3 Remove lift cables, grout collars, align the concrete lid with the structure

Informational

2

Brice Lawson 02/27/2018 12:24 PM

Redford informed me that the corrections have been made to the storm structures so far. I re-inspected the storm structures for lines 3, 6, 8 and part of line 5. I will mark off the corrections on the original inspection at a later time.

DEI-Sanitary Sewer
Construction Inspection

Brice Lawson

Partial

Tuesday,
February 27,
2018

Partial Correction

- 1 A main inspection has uncovered the following problems.
Brice Lawson 01/08/2018 11:49 AM

Existing City Sanitary Manhole #60-082 at tie-in:

Grout the sides of the pipe up to the springline of the new pipe inside the manhole. Make a smooth transition from the new pipe to the existing flowline with proper slope. Eliminate any vertical offset. RESOLVED Brice Lawson 02/15/2018 4:10 PM

MH A-1: Remove wire mesh, debris and paint from the lid RESOLVED BL

MH A-2: Remove green paint from the lid
RESOLVED BL

MH A-3: Remove green paint from the lid
RESOLVED BL

MH A-4: Remove green paint from the lid
RESOLVED BL

MH A-5: Remove green paint from lid. Backfill around the frame to achieve positive drainage away the manhole frame RESOLVED BL

MH A-6: Remove green paint from the lid. Complete the backfill of the manhole frame and achieve positive drainage away from the manhole frame
RESOLVED BL

MH A-7: Backfill around the manhole frame and achieve positive drainage away from the frame. Remove green paint from the lid. Remove excess joint mastic at the adjustment ring joint.
RESOLVED BL

MH B-1: Remove green paint from lid. Remove excess mastic from adjustmen ring joint. Properly backfill around manhole frame to achieve positive drainage away from the frame. RESOLVED BL

MH B-2: Remove debris from manhole floor, remove wire mesh, remove the vertical strip of what appears to be mastic from the barrel section, remove green paint from the lid
RESOLVED BL

MH B-3: Remove the paint from the lid
RESOLVED BL

MH E-1: Remove the excess mastic at the horizontal joints, remove debris from the manhole floor, remove the paint from the lid, raise the manhole so that the top of the lid is 2% to 4% above the back of curb
RESOLVED BL

MH C-1: Remove paint from the lid, remove debris from invert bench, repair the top of the cone at the void that is allowing the mastic to fall out of the joint, complete grading around the frame to achieve positive drainage away from the frame
RESOLVED BL

MH C-2: Remove the green paint from the lid
RESOLVED BL

MH C-3: Remove green paint from the lid. Raise the manhole top so that the top is 2% to 4% above the back of the curb. Grade around the frame to achieve positive drainage away from the frame.

MH C-4: Remove debris from the manhole floor, remove paint from the lid. Raise the manhole lid so that it is 2% to 4% above the back of curb. FYI- a maximum of 1' of adjustment rings can be used.
RESLOVED BL

MH D-1: The top of the lid does not appear to be installed at the elevation shown on the revised drawings. Make necessary corrections to get the top at the correct elevation. Replace manhole lid with the proper lid. Backfill around the frame to achieve positive drainage away from the frame.
RESOLVED BL

MH D-2: Remove paint from the lid, fill the lift hole in the cone section behind the steps, properly grade around frame to achieve positive drainage away from the frame.
RESOLVED BL

Should the tracer boxes be attached to the post with something that is more durable than ductape

Tracer boxes should be installed on a post that extends atleast 3' above grade. The posts need to be painted green.

Lot 93-Repair tracer wire and tracer box
2/22/18 attach the tracer box to the post

Lot 99-Raise the tracer box in elevation so it is easily seen

Lot 97- Move the tracer box so that it is above the service line and 1' from the property line
RESOLVED BL

Lot 98-Repair broken tracer wire and retest the tracer wire in the presence of an inspector
RESOLVED BL

Lot 78-repair the tracer box post
RESOLVED BL

Lot 42-Attach the tracer wire to the tracer box
RESOLVED

Lot 69-Install the tracer box on a post at least 3' above grade

Lot 48-Install the tracer box on a post at least 3' above grade RESOLVED BL

Lot 65-paint the tracer box post green
RESOLVED

Lot 64-paint the tracer box post green
RESOLVED BL

Lots 63, 62, 61, 60, 58, 57, 56, 55-paint the tracer box post green
RESOLVED BL

Lot 54-repair/replace tracer box post and paint green
RESOLVED BL

Informational

- 2 A main inspection has uncovered the following problems.

Brice Lawson 01/22/2018 3:46 PM

The invert for the existing MH #60-082 has been installed. It looked like it was very flat after installation. I looked at it today after the weekend and the sewage is not draining properly from this manhole. I plan to follow up with Water Utilities to see if they need to look at the line segment below this manhole.

Corrective Action Required

- 3 A main inspection has uncovered the following problems.

Brice Lawson 02/15/2018 4:16 PM

The following sags in the sanitary mains were found during the video inspection. Make

proper corrections.

sag starts @ 53' to 58' from MH 60-282
sag starts @ 62' to 71' from MH 60-282
sag starts @ 95' to MH 60-281
sag starts @ 73' to 85' from MH 60-278
sag starts @ 376' to MH 60-279
sag starts @ 264' to 270' from MH 60-287
sag starts @ 336' to MH 60-286
sag starts @ 261' to 266' from MH 60-285 upstream
sag starts @ 228' to 241' from MH 60-293

The service connection is 3.5' from MH 60-285. Wyes should not be installed any closer than 4' to a manhole. Make proper corrections.

Brice Lawson 02/26/2018 3:43 PM

The service connection was measured by Redford and the Water Dept. and was confirmed to be 4' from the manhole. No repair needed. RESOLVED

Informational

4 Brice Lawson 02/26/2018 3:53 PM

Redford has excavated down to the sewer main to repair the sag located upstream of MH 285 and the sag located 336' from MH 60-287 to MH 60-286.

Corrective Action Required

5 Brice Lawson 02/27/2018 2:12 PM

MH C-4 does not have an adjustment ring.
Make proper corrections.

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Construction Inspection

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CI 5-4 Replace the damaged step, remove the anchor bolt from the wall, finish grouting the lid, install the invert bench to guide the water thru the turn

STEP NOT COMPLETE AS OF 2/27/18

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Comments:
