

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-Sanitary Sewer Construction Inspection	Brice Lawson	Partial	Monday, March 05, 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 adjustment 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 B/F 2/28/18

sag starts @ 62' to 71' from MH 60-282 B/F 3/2/18

sag starts @ 95' to MH 60-281 B/F 3/2/18

sag starts @ 73' to 85' from MH 60-278 B/F 2/28/18

sag starts @ 376' to MH 60-279 B/F 3/1/18

sag starts @ 264' to 270' from MH 60-287 B/F 2/27/18

sag starts @ 336' to MH 60-286 B/F 2/27/18

sag starts @ 261' to 266' from MH 60-285 upstream B/F 2/27/18

sag starts @ 228' to 241' from MH 60-293 B/F 2/27/18

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

Brice Lawson 03/05/2018 9:07 AM

All nine of the sags were repaired by Redford Construction. They excavated down to the pipes, picked up the pipes and chalked rock under the pipes to repair the sags. All of the repaired areas have been backfilled.

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.

Resolved

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

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

Brice Lawson 03/05/2018 9:05 AM

It appears that a 4" adjustment ring has been installed on the cone section of manhole C-4.

RESOLVED

Informational

6 Brice Lawson 03/01/2018 1:32 PM

Redford Construction let me know that the following sags have been repaired. The excavated areas have also been backfilled. They let me know that the marker tape is being installed in the trench.

Sags:

between D-1 and D-2

between C-1 and B-3

between B-1 and B-2

between A-6 and A-5

between A-2 and A-1

They have excavated down to the sags between A-3 and A-2 and are in the process of repairing the sags.

Informational

7 Tom Chandler 03/02/2018 3:44 PM Finished repairs to line from MH A-2 to MH A-3 and backfilled. Added adjustment ring to MH that needed it.

DEI-Sanitary Sewer - Air Test Brice Lawson

Partial

Monday,
March 05,
2018

Corrective Action Required

1 Sanitary Sewer Testing needs to be completed.
Brice Lawson 03/05/2018 9:16 AM

Complete the air testing on the sanitary line segments that were repaired due to sags. Wait 30 days from the date the backfill was completed. Back fill was completed on the first sag repair between D1 and D2 on 2/27/18 and the backfill was completed on the sag that was repaired last between MH A2 and A3.

DEI-Sanitary Sewer - Mandrel Brice Lawson

Partial

Monday,
March 05,
2018

Corrective Action Required

1 Brice Lawson 03/05/2018 9:22 AM

Perform a mandrel test on the sanitary line segments that were repaired due to sags. This can be performed 30 days after the backfill was complete. The first repair between D1 and D2 was backfilled on 2/27/18 and the last sag repair between A2 AND A3 was backfilled on 3/2/18.

Comments:
