
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 - Air Test	Brice Lawson	Partial	Monday, April 02, 2018

Partial Correction

- 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.

Brice Lawson 04/02/2018 11:58 AM

The following sanitary line segments have been air tested. A Cherne gauge was used that was calibrated this morning before testing.

From MH A-1 to MH A-2

Test start 4 PSI

Test End 4 PSI

Test Duration 14:10 min.

Test Passed

From MH A-2 to MH A-3

Test Start 4 PSI

Test End 4 PSI

Test Duration 14:10

Test Passed

From MH A-5 to MH A-6
Test Start 3.65 PSI
Test End 3.65 PSI
Test Duration 33:58
Test Passed

DEI-Sanitary Sewer - Mandrel Brice Lawson

Partial

Monday,
April 02, 2018

Partial Correction

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.

Brice Lawson 04/02/2018 12:05 PM

A mandrel test was performed on the 15" sanitary line segment between MH A-5 and MH A-6. A 13.42" diameter mandrel was used. The test passed.

DEI-Street - Surface Course Brice Lawson

Partial

Monday,
April 02, 2018

Informational

1 Brice Lawson 12/04/2017 9:39 AM

Superior Bowen began installing the Type 3 virgin surface course at 8:30am. The base temp was 63 degrees at 8:30am. The temperature of the asphalt behind the paver was 310 degrees at 8:30am and 310 degrees at 9:10am on Amethyst. A tack coat has been placed on the road. Three rollers are being used for compaction. CMTG is on site and they let me know that the compaction tests so far are passing.

Partial Correction

2 Enter Information about Asphalt Placement

Brice Lawson 12/04/2017 4:00 PM

Superior Bowen installed the Type 3 virgin asphalt on the roads at this site. A tack coat of SS-1HP was applied to the base prior to laying the surface. It appeared that at least 2" of surface was being installed.

The north bound lane of SW Grindstone from STA. 0+00 to approx. STA. 2+00 was installed in the rain. The pavement surface was soaked the asphalt was separating as it was being rolled. Nathan and Dennis with Superior plan to remove and replace the surface asphalt in this lane.

Make proper repairs to the asphalt surface.

Brice Lawson 12/06/2017 4:14 PM

The surface of the northbound lane of Grindstone was milled and replaced today.
RESOLVED

After the surface was installed at STA. 0+00 on Grindstone a rain storm moved in. There was an approx. 30' long puddle of water that collected at the seam where Grindstone ties into SW County Line Rd. Nathan and Dennis with Superior Bowen said that this puddle is due to the existing road slope and that they could not get this puddle to drain by changing the slopes of their work.

Make proper repairs to achieve proper drainage.

Brice Lawson 03/29/2018 9:57 AM

A plan has been approved by the City to install a valley gutter at Grindstone and County Line Rd to fix the drainage issue. Eastbound County Line Rd has been shutdown. The detour signs have been set up. The crew is on site and they have made to sawcuts and are removing the pavement. They plan to pour the valley gutter today.

Informational

3 Brice Lawson 12/06/2017 11:14 AM

Dennis with Superior Bowen informed me that they are going to mill and replace only the northbound lane of Grindstone. They are not going to mill any of County Line Rd where Matt Schilcht shows on the drawing to get the water to drain properly.

Informational

4 Brice Lawson 12/06/2017 11:27 AM

I called Thomas with Redford to let him know that Superior is on site and they are not going to mill county line per the plan that Engineering SOLUTIONS submitted to fix the drainage issue on Grindstone.

Informational

5 Brice Lawson 12/06/2017 1:26 PM

Superior Bowen has milled the northbound lane of SW Grindstone from County Line Rd to the approx. C/L of Merryman Ln. Tack oil has been applied to the area that has been milled. The asphalt temperature directly behind the paver was 315 degrees. The base temperature was 47 degrees. The surface asphalt has been installed on the northbound lane of Grindstone.

Informational

6 Brice Lawson 12/13/2017 8:09 AM

The testing report for the compacted asphalt surface using the nuclear gauge has been submitted. It appears that all of the test show the in-place density to be over 96%.

Informational

7 Brice Lawson 03/29/2018 2:45 PM

The concrete valley gutter has been installed at Grindstone and County Line Rd. 4k KCM MB4KF4 concrete mix was used. This mix is KCM MB approved. The contractor plans to cover the concrete with blankets overnight.

Informational

8 Brice Lawson 04/02/2018 2:16 PM

The concrete blankets have been removed from the valley gutter at Grindstone and County Line Rd. The temporary traffic control work zone has been removed. The traffic is back to normal flow along SW County Line Rd.

DEI-Site Visit	Brice Lawson	Partial	Monday, April 02, 2018
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Informational

1 Brice Lawson 03/30/2018 7:53 AM

I drove the work zone. It appeared that the signs and channelizers were still in place.

Redford is working on the valve boxes for the existing fire hydrants along SW County Line Rd.

Informational

2 Brice Lawson 04/02/2018 3:21 PM

Teague Electric is installing power. I asked them to remove any mud and debris that they have tracked onto the street. They let me know that they would take care of it.

DEI-Sanitary Sewer - Air Test	Brice Lawson	Passed	Monday, April 02, 2018
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Resolved

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

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Brice Lawson 04/02/2018 11:58 AM

The following sanitary line segments have been air tested. A Cherne gauge was used that was calibrated this morning before testing.

From MH A-1 to MH A-2

Test start 4 PSI

Test End 4 PSI

Test Duration 14:10 min.

Test Passed

From MH A-2 to MH A-3

Test Start 4 PSI

Test End 4 PSI

Test Duration 14:10

Test Passed

From MH A-5 to MH A-6

Test Start 3.65 PSI

Test End 3.65 PSI

Test Duration 33:58

Test Passed

From MH B-1 to MH B-2

Test Start 3.85 PSi

Test End 3.7 PSI

Test Duration 19:53

Test Passed

From MH C-1 to MH B-3

Test Start 3.6 PSI

Test End 3.6 PSI

Test Duration 23:01

Test Passed

From MH D-1 to MH D-2

Test Start 4 PSI

Test End 4 PSI

Test Duration 24:23

Test Passed

DEI-Sanitary Sewer - Mandrel Brice Lawson

Partial

Monday,
April 02, 2018

Partial Correction

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

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Brice Lawson 04/02/2018 12:05 PM

A mandrel test was performed on the following sanitary line segments:

15" from MH A5 to MH A6 - Test Passed

12" from MH B1 to MH B2 - Test Passed

12" from MH C1 to MH C3 - Test Passed

Comments:
