

**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-Street - Surface Course	Brice Lawson	Partial	Wednesday, December 06, 2017

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.

Corrective Action Required

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.

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.

A

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.

DEI-Water Line - Construction Brice Lawson  
Inspection

Partial

Wednesday,  
December  
06, 2017

Informational

1 Brice Lawson 11/10/2017 11:30 AM

Redford installed 40' of 8" C900 water main with tracer wire and water line marker tape. The line appeared to be installed at least 42" from current grade. The pipe was bedded in clean rock. This line was installed on water line 1 from approx. STA. 11+48 to approx. STA. 11+88. The line was being backfilled in lifts. The trench was opened up over 48" wide and KC Testing was on site to perform compaction testing.

Informational

2 Brice Lawson 11/10/2017 2:57 PM

Redford installed 40' of 8" C900 water line on water line 1 from STA 3+25 to STA. 3+65. Tracer wire and bury tape have been installed with this water line.

Informational

3 Brice Lawson 11/13/2017 11:47 AM

Redford installed the 8" C900 water line with tracer wire for water line 1 from approx. STA. 0+29.17 to STA. 1+39.99. The Tee fitting has been installed at STA. 1+39.99.

Informational

4 Brice Lawson 11/13/2017 2:46 PM

Redford installed the 8" gate valve on line 2 near STA. 0+00. Approx. 74' of C900 water line has been installed from STA. 0+00 to approx. STA. 0+74. Tracer wire has been installed with this pipe and utility marker tape is being installed in the trench. Two vertical 45 degree bend fittings have been installed with rebar loops around the fittings. The rebar loops have been installed in a thrust block below the 45 degree fittings. KC Testing is on site to observe compaction testing for the water line. The DI fittings have been wrapped in 12 mil poly wrap and the T bolts have been sprayed with an undercoating.

A thrust block has been installed on the 45 degree bend fitting on line 1 at STA.0+95.15.

MCIB WA610 concrete was used for the thrust blocks.

Informational

5 Brice Lawson 11/14/2017 1:23 PM

Redford installed an 8" Clow gate valve just west of the Tee fitting located at STA. 0+00 on water line 2. A 1' piece of C900 was installed between the valve and the tee fitting. A thrust block has been installed on the tee fitting. A tracer wire has been installed over to the tee fitting.

Informational

6 Brice Lawson 12/05/2017 11:31 AM

Redford connected the 8" water main to the 8" pipe that was installed under Grindstone. This was connected on the west side of Grindstone and was installed to approx. STA. 12+85. The pipe was bedded in 3/4" rock. A tracer wire has been installed. It appears that the marker tape is being installed. This section of line is being backfilled. It appears that the fill is being installed and compacted in lifts.

Informational

7 Brice Lawson 12/06/2017 1:59 PM

Redford is installing the 8" water main along Amethyst. They had duct tape on the plywrap at the Tee fitting for the hydrant set. I let them know that duct tape is not acceptable. I let them know that a 2' by 2' by 4" block is required under the fire hydrant as shown in the detail. They had smaller blocks on site. The pipe that has been installed has been covered with clean rock and partially backfilled with soil. Rock has been encountered in this trench and is being removed with a rock breaker and hauled to the large pile of rock at the north end of the site.

DEI-Street - Surface Course	Brice Lawson	Partial	Wednesday, December 06, 2017
-----------------------------	--------------	---------	------------------------------------

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.

Corrective Action Required

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.

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.

A

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.

DEI-Street - Surface Course	Brice Lawson	Partial	Wednesday, December 06, 2017
-----------------------------	--------------	---------	------------------------------------

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.

Corrective Action Required

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.

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.

A

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.

DEI-Street - Surface Course

Brice Lawson

Partial

Wednesday,  
December  
06, 2017

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 seperating 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.

A

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.

**Comments:**

---