
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 - Invert	Brice Lawson	Passed	Friday, May 04, 2018

Informational

1 Brice Lawson 05/04/2018 1:49 PM
All sanitary manhole inverts have been installed.

DEI-Detention Basin	Brice Lawson	Partial	Friday, May 04, 2018
---------------------	--------------	---------	----------------------

Corrective Action Required

1 Brice Lawson 05/04/2018 2:47 PM
The permanent detention basin has been constructed. Straw netting, seed and fertilizer has been installed on the interior and exterior slopes of the basin.

The developer wants to install the 3' of permeable soil and plantings once the overall site has established vegetation. There concern is that the permeable soil and plantings could be covered with silt if silt enters the detention basin. It has been allowed by City staff to make the permeable soil and plantings a punch list item. An as-built of the detention basin will be required once the detention basin final construction is completed.

Complete the construction of the permanent detention basin as agreed.

DEI-Storm - Pipe	Brice Lawson	Passed	Friday, May 04, 2018
------------------	--------------	--------	----------------------

Resolved

1 Brice Lawson 04/25/2018 1:17 PM

The hdpe storm pipe that is below the temporary cul-de-sac is damaged. Make proper repairs.

The developer wants to address this on the next plat.

Brice Lawson 05/04/2018 2:19 PM

An agreement has been made to make the proper corrections to this pipe during construction of The Reserve at Stoney Creek 3rd plat.

DEI-Storm - Swales	Brice Lawson	Passed	Friday, May 04, 2018
--------------------	--------------	--------	----------------------

Informational

1 Brice Lawson 05/04/2018 2:18 PM

It appears that the swales have been installed and constructed close to the proposed plan.

DEI-Sanitary - Material Verification	Brice Lawson	Passed	Friday, May 04, 2018
--------------------------------------	--------------	--------	----------------------

Informational

1 Brice Lawson 05/04/2018 3:02 PM

It appeared that the materials used to the sanitary sewer installation met specifications.

DEI-Storm - Sewer Construction Inspection	Brice Lawson	Passed	Friday, May 04, 2018
---	--------------	--------	----------------------

Informational

1 Brice Lawson 11/10/2017 11:35 AM

Redford has installed CI 4-1, CI 4-2, CI 4-3 and CI 4-4. The 15" HDPE storm pipe has been installed between CI 4-4 and CI 4-3. The 18" HDPE pipe has been installed between CI 4-3 and CI 4-2. The 24" HDPE pipe has been installed between CI 4-2 and CI 4-1. The remainder of the 24" HDPE storm pipe has been installed between CI 4-1 and FI 2-5. There is approx. 30" of clearance between the existing 12" water main and the 24" storm pipe at the water main crossing on storm line 4. This crossing is just north of FI 2-5. The exterior collars have been installed on CI 4-1 and CI 4-2. The exterior collar on the west pipe at CI 4-4 has been installed. The north pipe collar and invert have been installed at FI 2-5. The west exterior pipe collar has been installed at CI 2-1. The concrete lids have been installed on FI 2-3, FI 2-4 and FI 2-6.

Informational

2 Brice Lawson 11/14/2017 1:36 PM

Redford installed CI 4-5 and the 15" HDPE storm pipe from CI 4-5 to CI 4-4. The invert and east exterior pipe collar has been installed at CI 4-4. The west pipe collar and invert were being installed.

Informational

3 Brice Lawson 11/15/2017 10:27 AM
Redford is cutting into the west side of the existing City FI on Storm line 1. The hole is being made to accept a 42" storm pipe.

Informational

4 Brice Lawson 11/16/2017 11:25 AM
Redford has installed the FI 1-1 and they are installing the 42" HDPE storm pipe between FI 1-1 and FI 1-2.

Informational

5 Brice Lawson 11/17/2017 11:53 AM
Redford has installed the 42" HDPE storm pipe on storm line 1 from approx. STA. 0+15 to approx. STA. 4+25. FI 1-1 has been installed. The outlet structure has been installed for the detention basin. The 36" HDPE pipe has been installed from the detention basin to FI 1-1. The 24" HDPE pipe has been installed from the outlet structure to the FES located in the detention basin.

The pipe collars have been installed on the three pipes at FI 1-1.

There is a conflict with the 42" storm pipe and an existing 12" water main on storm line 1 at approx. STA. 4+25. This is where the 12" water main crosses the proposed 42" storm pipe.

Redford was removing part of the floor and west wall of the existing FI located at STA. 0+00. This is being done to connect the proposed storm pipe and to install a new invert.

Informational

6 Brice Lawson 05/04/2018 3:04 PM
It appears that the storm sewer installation has been completed.

DEI-Storm - Sewer
Construction Inspection

Brice Lawson

Passed

Friday, May
04, 2018

Informational

1 Brice Lawson 11/10/2017 11:35 AM
Redford has installed CI 4-1, CI 4-2, CI 4-3 and CI 4-4. The 15" HDPE storm pipe has been installed between CI 4-4 and CI 4-3. The 18" HDPE pipe has been installed between CI 4-3 and CI 4-2. The 24" HDPE pipe has been installed between CI 4-2 and CI 4-1. The remainder of the 24" HDPE storm pipe has been installed between CI 4-1 and FI 2-5. There is approx. 30" of clearance between the existing 12" water main and the 24" storm pipe at the water main crossing on storm line 4. This crossing is just north of FI 2-5. The exterior collars have been installed on CI 4-1 and CI 4-2. The exterior collar on the west pipe at CI 4-4 has been installed. The north pipe collar and invert have been installed at FI 2-5. The west exterior pipe collar has been installed at CI 2-1. The concrete lids have been installed on FI 2-3, FI 2-4 and FI 2-6.

Informational

2 Brice Lawson 11/14/2017 1:36 PM

Redford installed CI 4-5 and the 15" HDPE storm pipe from CI 4-5 to CI 4-4. The invert and east exterior pipe collar has been installed at CI 4-4. The west pipe collar and invert were being installed.

Informational

3 Brice Lawson 11/15/2017 10:27 AM

Redford is cutting into the west side of the existing City FI on Storm line 1. The hole is being made to accept a 42" storm pipe.

Informational

4 Brice Lawson 11/16/2017 11:25 AM

Redford has installed the FI 1-1 and they are installing the 42" HDPE storm pipe between FI 1-1 and FI 1-2.

Informational

5 Brice Lawson 11/17/2017 11:53 AM

Redford has installed the 42" HDPE storm pipe on storm line 1 from approx. STA. 0+15 to approx. STA. 4+25. FI 1-1 has been installed. The outlet structure has been installed for the detention basin. The 36" HDPE pipe has been installed from the detention basin to FI 1-1. The 24" HDPE pipe has been installed from the outlet structure to the FES located in the detention basin.

The pipe collars have been installed on the three pipes at FI 1-1.

There is a conflict with the 42" storm pipe and an existing 12" water main on storm line 1 at approx. STA. 4+25. This is where the 12" water main crosses the proposed 42" storm pipe.

Redford was removing part of the floor and west wall of the existing FI located at STA. 0+00. This is being done to connect the proposed storm pipe and to install a new invert.

Informational

6 Brice Lawson 12/29/2017 10:19 AM

Redford has removed approx. 180' of 42" HDPE storm pipe that was installed west of field inlet 1-1. There is still approx. 2' of pipe connected to FI 1-1. Plywood has been installed in front of the open end of the pipe. This area has been backfilled to finish grade. The removal of this pipe was approved by Gene Williams in an email. The pipe is to be removed and grade the swale from the existing 30" culvert at Pryor Rd to the weir opening at FI 1-1.

Informational

7 Brice Lawson 01/04/2018 3:35 PM

Darrin with Redford informed me that the storm sewer installation is near completion for this site. I began a post construction inspection of the storm structures.

Informational

8 Brice Lawson 01/04/2018 3:38 PM

I continued the post construction inspections of the completed storm sewer structures.

Informational

9 Brice Lawson 01/08/2018 4:03 PM

I continued to perform post construction inspections of the storm sewer system that has

been installed.

Informational

10 Brice Lawson 01/18/2018 4:15 PM

I continued to perform a post construction inspection of the storm structures on this site.

Redford Construction installed 5/8" epoxy coated rebar in the exterior of the west wall of FI 1-1. The hole that was in the west wall for the 42" pipe has been filled with concrete. This created a plug to seal up this hole.

Informational

11 Brice Lawson 05/04/2018 2:14 PM

The 36" HDPE storm pipe is partially squashed and the joint is not properly made approx. 40' from FES6-1. It has been agreed to leave as-is until the future phase is constructed. This is to be put on the construction plans for The Reserve at Stoney Creek 3rd plat.

DEI-Sanitary Sewer - Invert	Brice Lawson	Passed	Friday, May 04, 2018
-----------------------------	--------------	--------	----------------------

Resolved

1 Brice Lawson 01/19/2018 3:14 PM

Redford installed the invert in the existing manhole #60-082. The invert was installed to connect the new pipe to the existing invert. It appears that the invert is very flat across the manhole with minimal slope. It appears that water is collecting in the mouth of the new sanitary pipe and possibly holding in the new pipe.

Verify that there is enough slope from the F/L in of the new pipe to the F/L out of the existing pipe.

Brice Lawson 05/04/2018 2:04 PM

Contractor previously verified the slope of the invert with a level.
RESOLVED

DEI-Storm - Sewer Construction Inspection	Brice Lawson	Passed	Friday, May 04, 2018
--	--------------	--------	----------------------

Informational

1 Brice Lawson 03/08/2018 3:58 PM

JB 3-1 is shown on the plans in a sump location and is shown to be open on all sides. It was not installed with weirs on all sides. Please clarify if it is suppose to be open on all sides.

Brice Lawson 04/03/2018 11:41 AM

Engineering Solutions sent an email that says the FI 3-1 is suppose to be a junction box with not weirs.

DEI-Sidewalk Inspection Brice Lawson Passed Friday, May 04, 2018

Resolved

1 Brice Lawson 04/17/2018 1:57 PM
The sidewalk on Alabaster has not been backfilled.

Make proper corrections.

Brice Lawson 05/04/2018 2:59 PM
RESOLVED

DEI-Water Line - Fire Hydrant Brice Lawson Passed Friday, May 04, 2018

Resolved

1 Brice Lawson 04/13/2018 2:13 PM
It appears that the grade has changed around the existing fire hydrant located on the north side of County Line Rd in the slope of the detention basin. It appears that the hydrant is too low.

Make proper corrections.
RESOLVED Brice Lawson 05/04/2018 1:59 PM

Brice Lawson 04/19/2018 3:28 PM
Redford Construction said they added a 24" fire hydrant extension to existing fire hydrant #060-119. They said that they flushed it out after the installation and added the oil for lubrication. I flushed the hydrant and it appeared to operate properly.

Resolved

2 Brice Lawson 04/19/2018 3:32 PM
Evan with the Water Dept. will let me know when they have done their inspection of this hydrant.

Brice Lawson 05/04/2018 1:58 PM
Evan Dolan let me know that Water Utilities is good with this FH.

DEI-Street - Surface Course Brice Lawson Passed Friday, May 04, 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.

Informational

2 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

3 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

4 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

5 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

6 Brice Lawson 03/29/2018 2:45 PM
The concrete valley gutter has been installed at Grindstone and County Line Rd. 4k KCMMB4KF4 concrete mix was used. This mix is KCMMB approved. The contractor plans to cover the concrete with blankets overnight.

Informational

7 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-Public Curb Inspection	Brice Lawson	Partial	Friday, May 04, 2018
----------------------------	--------------	---------	-------------------------

Corrective Action Required

1 Brice Lawson 05/04/2018 2:27 PM
Water is holding in the curb for a length of approx. 35' in the east bound curb of Merryman

Dr. The center of the holding area appears to be near STA. 7+10 on SW Merryman Dr. This may or may not be the entire area that could hold water. Make proper corrections to the curb to achieve proper drainage. Please communicate the plan of action for this correction with the City inspector.

Comments:
