

---

**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	Friday, December 29, 2017

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.

DEI-Grading/Excavation/Fill  
Inspection

Brice Lawson

Partial

Friday,  
December  
29, 2017

Informational

1 Brice Lawson 12/21/2017 11:38 AM

Moisture and density test results have been submitted for the water main trench backfill for water lines #1 and #2. It appears that all of the tests passed.

Informational

2 Brice Lawson 08/09/2017 2:45 PM

Spalding Excavating began digging the temporary sediment basin. They are stripping and stock piling the top soil on the central part of the site. I spoke with Jason regarding the detention basin and he plans to build it after the cut is made in that location.

Informational

3 Brice Lawson 08/17/2017 10:02 AM

Spalding has roughed in the detention basin in the southwest corner of the site. They are performing a fill in the south portion of the site. They have roughed in the temporary sediment basin located on the north edge of the site.

Informational

4 Brice Lawson 08/17/2017 3:45 PM

Spalding began stockpiling large rock and dirt west of the temporary sediment basin.

Informational

5 Brice Lawson 09/01/2017 3:42 PM

Spalding continues to grade outside the ROW. They were grading, filling and compacting the sump areas north of future Merryman Dr.

Informational

6 Brice Lawson 09/05/2017 11:01 AM

Spalding is grading the area north and east of the permanent detention basin. A sheepsfoot compactor is being used on parts of this area.

Redford is removing and hauling excess dirt that is left over after the major grading was completed east of SW Stoney Creek Dr. This grading was performed after sanitary line A and U were installed. The excess dirt is being hauled and stock piled on the west side of the site north of proposed Merryman Dr.

Informational

7 Tom Chandler 09/15/2017 11:11 AM Backfill on sanitary sewer main being placed today. No testing has been done today. If testing lab can make it to site today they will backfill (3) roadway crossings.

Resolved

8 Brice Lawson 09/27/2017 11:33 AM

I informed Mike with KC Testing, Thomas Hudgens and Darrin that the compaction test reports for the sanitary trenches that have been submitted so far do not have documentation for a visual inspection of the initial backfill that is being placed in the trenches. KC Testing will not perform moisture density testing of trenches that are too deep due to safety reasons. I informed them that the City will need documentation of visual inspections of the backfill of the sanitary trenched up to the point where KC Testing can perform the moisture density testing.

Informational

9 Brice Lawson 11/15/2017 10:30 AM

A crew is using a blade and a scraper and has began final grading and shaping of the proposed road subgrade on Merryman Ln and Amethyst Dr.

Informational

10 Brice Lawson 11/21/2017 11:33 AM

The road subgrade on this project has some areas that appear to be too wet. The contractor has scarified the entire road width on Amethyst north of approx. STA. 2+00 to approx. STA. 3+60. Areas on Merryman are being removed and replaced with soil that appears to be dryer.

Resolved

11 Brice Lawson 11/27/2017 3:36 PM

The swale that is east of Pryor Rd and on the north side of County Line Rd has been partially filled in with dirt. This was done when the new storm pipe was being installed. The new storm pipe and the existing water line were at the same elevations. This area has not been backfilled.

I let Darren with Redford know that there is a resident is concerned that the ditch will not drain properly and back water up onto his property. Darren plans to backfill the storm sewer trench and allow any storm water to drain from the culvert that runs east and west under SW Pryor Rd at County Line Rd.

**Corrective Action Required**

12 Brice Lawson 11/27/2017 3:40 PM

The existing City FI that storm line 1 connects to is holding approx. 1.5 feet of water. There is a CMP that runs from this FI and eventually daylights at a FES on the south side of County Line Rd. The FES is under water and it appears that the ditch below this FES is higher than the FES. This is causing the water to back up and hold in the pipes and storm structures that are above it.

**Informational**

13 Brice Lawson 12/29/2017 10:25 AM

Redford backfilled the existing 12" water main at the tie-in location on Alibaster at County Line Rd. This was done to insulate the water main as the forecasted temperatures appear to be cold.

**Comments:**

---