

**PUBLIC WORKS ENGINEERING DIVISION**

**Inspection Summary**

Permit #: PRPWFR20171420,  
CREEKSIDE AT RAINTREE  
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:

<b>Inspection:</b>	<b>Inspector:</b>	<b>Outcome:</b>	<b>Date:</b>
DEI-Public Curb Inspection	Brice Lawson	Partial	Thursday, June 28, 2018

Corrective Action Required

- 1 Brice Lawson 04/27/2018 3:04 PM  
Not all of the contraction joints have been installed in the curb and the curb throats. Make proper corrections.

There is honeycombing on the front and the back of the curbs where the curb was hand formed and poured. Make proper corrections where the curb is honeycombed.

Informational

- 2 Brice Lawson 06/28/2018 3:55 PM  
There are sections of curb on Nautilus PL that have been damaged. The contractor is in the process of removing the sections of curb.

DEI-Storm - Pipe	Brice Lawson	Partial	Thursday, June 28, 2018
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Partial Correction

- 1 A main inspection has uncovered the following problems.

Brice Lawson 04/26/2018 3:59 PM  
The 15" HDPE storm pipe below CI 1-11D is holding approx. 2.24" of water where it meets the invert. The pipe is not draining properly. Make proper corrections.

Brice Lawson 06/28/2018 12:00 PM  
Approx. 84" of the storm pipe was removed just north of CI 1-11D. A repair band was used to make the correction to the pipe. The repair band appeared to cover two full

corrugations on each pipe. The collar was being installed and the invert was being repaired. The contractor has removed part of the curb throat, geogrid and base rock to repair the storm pipe

Make proper corrections to the curb throat/curb. geogrid and base rock at CI 1-11D.

The 15" HDPE storm pipe below CI 1-20E is not draining properly. It appears to be holding approx. 1.75" of water where the pipe meets the invert.

Make proper corrections.

DEI-Sanitary Sewer - Mandrel Brice Lawson

Partial

Thursday,  
June 28, 2018

Informational

1 Brice Lawson 02/27/2018 10:46 AM

Precision performed the mandrel test on the 8" line segment from MH 1-A6 to Mh 1-A7. The mandrel was pulled from MH 1-A6 towards MH 1-A7. The mandrel did not pass from the pipe to the invert in MH 1-A7. They are going to make corrections and retest.

Informational

2 A mandrel test was performed on the 8" sanitary sewer line for the areas that were corrected of sags.

Precision pulled the mandrel on the line segment's from MH A-6 to A-7, A-6 to A-5 and A-4 to A-3. The mandrel was pulled through the lines with no deflection. I verified that the mandrel was acceptable, 7.37 diameter, 10" length and 9 prongs.

Mandrel test passed for these line segments.

Informational

3 John DiMauro 05/30/2018 3:22 PM

Precision performed the mandrel test on the new 12" in line installed. A mandrel was pulled on the line segment from MH1-C1 to MH1-C2. The first attempt the mandrel got stuck at the invert at MH1-C2. The crew made adjustments to the invert with a grinder and the second attempt the mandrel pulled through with no deflection.

Passing test on this line segment.

Informational

4 Brice Lawson 06/28/2018 11:53 AM

The contractor scheduled a mandrel test on sanitary line C. They were not able to perform the test due to an equipment issue. I informed them to call back to reschedule.

DEI-Curb - Proof Roll

Brice Lawson

Passed

Thursday,  
June 28, 2018

Informational

1 Brice Lawson 06/28/2018 11:49 AM

A proof roll was performed on the base rock for the curb returns at the west end of Meadowbrook Dr at the tie-in to Raintree Pkwy. There was minimal tracking noticed. There did not appear to be rutting or pumping of the base rock.

I excavated the base rock down to the geogrid behind the back of curb on the north and south sides of the curb returns to verify the base rock thickness. There appeared to be at least 10" of base rock with geogrid in these two locations.

DEI-Sanitary Sewer - Mandrel Brice Lawson

Partial

Thursday,  
June 28, 2018

Informational

1 Brice Lawson 02/27/2018 10:46 AM

Precision performed the mandrel test on the 8" line segment from MH 1-A6 to Mh 1-A7. The mandrel was pulled from MH 1-A6 towards MH 1-A7. The mandrel did not pass from the pipe to the invert in MH 1-A7. They are going to make corrections and retest.

Informational

2 A mandrel test was performed on the 8" sanitary sewer line for the areas that were corrected of sags.

Precision pulled the mandrel on the line segment's from MH A-6 to A-7, A-6 to A-5 and A-4 to A-3. The mandrel was pulled through the lines with no deflection. I verified that the mandrel was acceptable, 7.37 diameter, 10" length and 9 prongs.

Mandrel test passed for these line segments.

Informational

3 John DiMauro 05/30/2018 3:22 PM

Precision performed the mandrel test on the new 12" in line installed. A mandrel was pulled on the line segment from MH1-C1 to MH1-C2. The first attempt the mandrel got stuck at the invert at MH1-C2. The crew made adjustments to the invert with a grinder and the second attempt the mandrel pulled through with no deflection.

Passing test on this line segment.

Informational

4 Brice Lawson 06/28/2018 11:53 AM

The contractor scheduled a mandrel test on sanitary line C. They were not able to perform the test due to an equipment issue. I informed them to call back to reschedule.

Corrective Action Required

5 Brice Lawson 06/28/2018 3:30 PM

The following mandrel tests were performed with a 10.96" mandrel with 9 prongs.

A mandrel test was performed on the 12" sanitary line segment from MH 1-C1 to the existing City MH 64-001. The section of pipe that the mandrel was pulled thru passed the mandrel test. The invert in the existing mh will need to be corrected due to a pipe being removed.

Another mandrel test is required to verify that the mandrel can pass from the 12" pipe into the new invert once the invert is installed in MH 64-001.

A mandrel test was performed on the new 12" sanitary sewer line segment between MH 1-C2 to existing MH 62-003. The mandrel passed thru this line segment.

Another mandrel test is required to verify that the mandrel can pass from the 12" pipe into the new invert once the invert is installed in MH 62-003.

DEI-Storm - Pipe

Brice Lawson

Partial

Thursday,  
June 28, 2018

Partial Correction

1 A main inspection has uncovered the following problems.

Brice Lawson 04/26/2018 3:59 PM

The 15" HDPE storm pipe below CI 1-11D is holding approx. 2.24" of water where it meets the invert. The pipe is not draining properly. Make proper corrections.

Brice Lawson 06/28/2018 12:00 PM

Approx. 84" of the storm pipe was removed just north of CI 1-11D. A repair band was used to make the correction to the pipe. The repair band appeared to cover two full corrugations on each pipe. The collar was being installed and the invert was being repaired. The contractor has removed part of the curb throat, geogrid and base rock to repair the storm pipe.

The pipe collar and invert has been installed. The hardware cloth has been installed at the weep holes. The trench that was opened up has been backfilled up the the tip of pavement subgrade with flowable fill.

Make proper corrections to the curb throat/curb. geogrid and base rock at CI 1-11D.

The 15" HDPE storm pipe below CI 1-20E is not draining properly. It appears to be holding approx. 1.75" of water where the pipe meets the invert.

Make proper corrections.

**Comments:**

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