
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:

Inspection:	Inspector:	Outcome:	Date:
DEI-Storm - Sewer Construction Inspection Informational	Brice Lawson	Partial	Monday, April 23, 2018

1 Brice Lawson 12/19/2017 3:55 PM
CI 1-20E and CI 1-20D have been installed on a bed of clean rock. The 15" ADS HDPE storm pipe has been installed between these curb inlets. The pipe has been bedded on clean rock. The inverts, interior and exterior collars have been installed at these curb inlets. Approx. 130' of the 18" ADS HDPE has been installed in the trench but it has not been covered with rock.

Informational

2 Brice Lawson 12/20/2017 3:22 PM
The 130' of 18" HDPE from CI 1-20D towards CI 1-20C has been bedded and covered with clean rock.

Informational

3 Brice Lawson 01/09/2018 11:39 AM
Precision is installing the storm structures and HDPE storm pipe for storm lines 1-10 and 1-11. It appears that the pipes are being installed on a bed of clean rock. The bell ends are facing up hill.

The hdpe pipe has been installed between CI 1-10C and MH 1-10B. The trench width is too narrow. I informed George of this and he said they plan to dig this trench wider.

Informational

4 Tom Chandler 01/25/2018 7:21 AM Installed the remaining 30" HDPE pipe for line 1-10. Installed last section towards MH 1-10B. Did not backfill.

Informational

5 Tom Chandler 01/25/2018 4:40 PM Installed 53 ft. of 24" HDPE pipe from MH1-10E to MH 1-10F. Installed MH 1-10F as well. Installed MH 1-10F at station 5+86. Backfilled with rock

and will pour collars and inverts on 1/26/2018.

Informational

6 Brice Lawson 02/08/2018 5:38 PM

CI 1-20C has been installed it is 5' by 3'. The remainder of the 18" HDPE storm pipe was installed from the curb inlet to the previously installed pipes. The collars have been installed. The invert has been installed. The CI was installed on a bed of clean rock.

Corrective Action Required

7 Brice Lawson 03/27/2018 1:45 PM

MH 1-10D was originally designed to have a 4" frame. The contractor has recieved a approved change to install a 9" frame.

It appears that the bell has been removed from the underside of the concrete lid. The spigoet has been removed from the top of the manhole wall. It appears that bars have been installed @12" O/C and it appears that epoxy has been applied to the holes. The frame has been installed. The 4" adjustment ring has not been installed. The contractor stated that they would have to remove more of the top of the manhole wall to use the adjustment ring. I asked Dan about this and he is ok with the adjustment not being installed.

It does not appear that the frame has been sealed to the concrete lid. I aske Jake with Precision about this and he is going to check on this.

Informational

8 Brice Lawson 04/10/2018 3:39 PM

A revision to storm line 1-20 dated 4/5/18 has been submitted, approved and delivered to the contractor. This revision was done due to a conflict with the existing sanitary force mains.

Corrective Action Required

9 Corrections need to be made to the Storm Sewer

Brice Lawson 04/23/2018 4:09 PM

A partial inspection of the storm sewer structures for storm line 1-10 and 1-11 has been started. I will make a list of items that need to be corrected.

DEI-Grading/Excavation/Fill Brice Lawson
Inspection

Partial

Monday,
April 23, 2018

Informational

1 Brice Lawson 07/11/2017 4:05 PM

Gradeco Construction was working on grading, clearing and grubbing the site. They were working on the north diversion ditch. The road was free of debris.

Informational

2 Brice Lawson 07/12/2017 11:17 AM\line Gradeco Construction has been working

separating the brush on site that they piled up. They have installed a diversion ditch on the north end of the site with rock checks in the ditch. They began a fill operation that appears to be on future lots 25 and 26 and east of the storm pipe outlet structure. They said that

they have installed approx. 2.5' of fill in this area. They were using a sheeps foot to compact the fill after it was spread. I asked them to stop working on this fill because there was no testing being performed on the lifts of fill. Darrell Vaughn said he would have them stop the fill operation and he was aware that a testing lab should be on site.

Informational

3 Brice Lawson 07/18/2017 1:33 PM

Gradeco Construction continues to perform cut and fill operations. It appears that they are working on lots #23 thru #27 and the north cul de sac. It appears that they are installing the material in lifts and compacting it with sheeps foot. They let me know that they are getting compaction tests on each lift.

Informational

4 Brice Lawson 12/11/2017 4:24 PM

The sanitary sewer main and stub trenches have been backfilled to what appears to be existing grade from existing MH at 1+00 on line 1 to MH 1-A1, from MH 1-A1 to MH 1-A2, and from MH 1-A2 to MH 1-A3.

The sanitary main and stub trenches from MH 1-A3 to MH 1-A4 are partially backfilled. It appears that the soil is being placed and compacted in the trench in lifts. It appears that the sanitary main and stub trenches from MH 1-A4 to MH 1-B1 are being backfilled and compacted in lifts. KCTE is on site performing moisture/density testing on the trench backfill. They let me know that the moisture/density tests are passing and he has noticed that the large rocks are being culled from the soil and stockpiled. He has not noticed any large rocks being placed in the trench backfill.

Informational

5 Brice Lawson 03/01/2018 11:58 AM

The curb stakes have been installed. The contractor is grading the road subgrade. They plan to leave the subgrade about 2" high in case it rains. They plan to get compaction tests done on the fills that were previously installed by Gradeco.

Informational

6 Tom Chandler 03/02/2018 3:48 PM Cutting grade and testing subgrade. KCTE on-site for testing.

Informational

7 Brice Lawson 03/06/2018 2:58 PM

Precision is backfilling the trench for sanitary line C. It appears that they are installing the soil and compacting the backfill in lifts with a vibratory sheeps foot. There did not appear to be any large rocks in the material. KCTE Testing is on site to perform moisture/density testing on the trench backfill.

Informational

8 Brice Lawson 03/09/2018 2:45 PM

The backfill on sanitary line 1-C has been completed. KCTE testing has tested the remainder of the trench backfill today.

Informational

9 Brice Lawson 04/19/2018 2:01 PM

Approx. 95% of the curb has been installed. Precision is in the process of backfilling the

curb. It appears that they are using dirt that was previously stockpiled at the southwest corner of the site.

Informational

10 Brice Lawson 04/23/2018 10:22 AM

Heartland Midwest has excavated a trench that crossed the proposed Meadowbrook Dr approx. 9' behind the existing back of curb on the east side of Raintree Pkwy. They are adjusting the elevation of existing att&t lines that are in a conduit. They plan to backfill the trench with flowable fill. I informed them that they can use the KC APWA flowable fill and the flowable fill needs to extend to the top of the subgrade and to atleast 1' behind the back of the proposed curb.

Comments:
