
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-Sanitary Sewer Construction Inspection Partial Correction	Brice Lawson	Partial	Tuesday, June 26, 2018

1 A main inspection has uncovered the following problems. Brice Lawson 04/05/2018 11:26 AM

Sags and debris have been identified in the following sanitary line segments. Make proper corrections to these line segments. Coordinate inspections with the inspector for this site.

Sag @ 90' to 97' from MH 62-208 to MH 62-207

Debris @ 97' to MH 62-207

Brice Lawson 04/12/2018 4:09 PM/// Ace Pipe Cleaning jetted this line segment and removed the debris.

Sag @ MH 62-208 to 8'

Sag @ 190' from MH 62-208 to MH 62-209

Sag @ 286' to 292' from MH 64-168 to MH 64-167

Sag @ 238' to 244' from MH 64-168 to 64-167

Complete mandrel testing and infiltration/exfiltration testing on the line segments that the sags were repaired 30 days after backfill completion.

Informational

2 Brice Lawson 04/06/2018 12:13 PM
Precision is working on repairing the sags between MH 64-168 and MH 64-167. They have

excavated down to the pipe and raised it about a 1/4" and chocked in the rock under the pipe at one of the sags and installed bedding rock over the pipe. KCTE Testing is on site to perform compaction testing of the trench backfill.

Informational

3 Brice Lawson 04/07/2018 2:43 PM

Precision is working on repairing the sags in the sanitary line segments. The two sags between MH 64-168 and MH 64-167 have been repaired. The trenches have been backfilled. KCTE Testing is on site performing compaction testing. John let me know that the tests are at least 95% for the trench backfill.

Precision has excavated down to the sag just north of MH 62-209. They are in the process of repairing the sag. The pipe has been covered with clean rock after the sag was repaired. They shined a flashlight in the pipe and discovered there is debris at this sag location.

Informational

4 Brice Lawson 04/09/2018 1:15 PM

Precision has finished repairing and backfilled the sag @ 190' from MH 62-208 to 62-209.

They have repaired the sag @ MH 62-208 to 8'. They have began backfilling and KCTE Testing is on site. Eric with KCTE Testing let Precision know that three tests for this backfill have failed due to moisture content and compaction. They plan to make proper corrections.

Precision is excavating the trench to repair the sag at 90' to 97' from MH 62-208 to MH 62-207.

Informational

5 Brice Lawson 04/10/2018 11:31 AM

Precision has repaired the sag @ 90' to 97' from MH 62-208 to MH 62-207. A water main pipe was encountered that crossed this trench during this repair and the contractor said they bedded the water line with clean rock prior to covering. The pipes have been covered but the trench has not been backfilled.

Informational

6 Brice Lawson 04/11/2018 8:29 AM

The excavation to repair the sag @ 90' to 97' from MH 62-208 to MH 62-207 was backfilled on 4/10/18. I spoke with KCTE Testing on site and they let me know that the compaction test were passing and the fill was installed in 8" compacted lifts.

The sag excavation @ MH 62-208 to 8' is being backfilled now. KCTE Testing is on site and performing compaction testing. It appears that the backfill is being installed and compacted in lifts.

Video footage of the sanitary video inspection was loaded onto a thumb drive at the contractors request. I gave the thumb drive to Precision.

Corrective Action Required

7 Brice Lawson 04/11/2018 8:34 AM

The sanitary line marker tape has not been installed at some of the sag repair locations. The only sag repair location that the marker tape was installed is at the sag locations between MH 64-167 and MH 64-168. I brought this up to Precision and they plan to come back and install the marker tape at a later time.

Properly install the marker tape at the sag repair locations.

Corrective Action Required

8

Brice Lawson 06/26/2018 7:23 AM

On 6/25/18 I noticed sewage running out of a damaged existing 10" city sewer main. The flow was running into a trench and continued to flow from the trench into the downstream pipe. The damaged vcp was damaged approx. 172' downstream of mh #62-003. Aaron Schleif informed me that the line was damaged last tuesday or wednesday. I let him know that the city needs to be notified promptly when city infrastructure is damaged. I Aaron know that the damaged pipe needs to be repaired asap. David Duncan Construction LLC worked until about 7:15pm attempting to make the repair. More pipe was damaged in the process of making the repair and a temporary repair was made until they could get the correct parts tomorrow. David Duncan plans to make the proper repairs tomorrow. I called Tom Stoetart after it was determined that the proper repair could not be made and he let me know that the contractor can make the proper repairs tomorrow.

Make proper corrections to the damaged sanitary sewer main.

Brice Lawson 06/26/2018 4:01 PM

At 10:00 there has been no further work completed to properly repair the VCP sanitary sewer main. I called David Duncan to see why they were no here completing the repair. He did not answer, I left a V/M to call me.

I also called Jake Jackson to see if he knew when the pipe was going to be repaired. He said he would call me back.

Brice Lawson 06/26/2018 4:14 PM

At about 2pm I had not heard anything from Jake. I called and he said he would look into getting the parts for the repair.

Jake came to the site and he let me know that they planned to repair the damaged pipe tomorrow morning.

DEI-Sanitary Sewer
Construction Inspection
Partial Correction

Brice Lawson

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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 sheep's 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 utility 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 at least 1' behind the back of the proposed curb.

Corrective Action Required

11 Brice Lawson 04/25/2018 3:57 PM

Correct the project title on the compaction tests that have been submitted.

Resolved

12 Brice Lawson 04/30/2018 3:54 PM

Heartland Midwest has filled the utility trench that crosses Meadowbrook Dr. approx. 9' behind the back of the curb on the east side of Raintree Pkwy. The trench is approx. 5' wide and goes across the entire width of Meadowbrook Dr. The flowable fill was installed approx. 4' in depth and up to what appears will be the top of the soil subgrade for the road. APWA FF MaserCell 30 (50+75) flowable fill from Gieger was used to fill the trench.

I emailed the developer to submit the mix design and the 7 day and 28 day compressive strength test results for the flowable fill that was used.

Once the developer has submitted, verify that the mix design and compressive strength test reports meet spec.

Corrective Action Required

13 Brice Lawson 05/02/2018 2:13 PM

Fill material has been installed to backfill the curb and fill the ROW areas. There is deleterious material in the fill such as roots, mulch and large rock. The deleterious material is not an acceptable material for fill. This is located in areas around the new streets in this subdivision.

Make proper corrections to the filled areas.

Resolved

14

Brice Lawson 05/07/2018 2:20 PM

The flowable fill that has been installed in the utility trench that crosses Meadowbrook Dr approx. 9' behind the existing curb on the east side of Raintree Pkwy has been installed. I spot checked the top of the flowable fill in different area to see if it crushed under the weight of my foot. It appears that the flowable fill has set up hard and it does not crush under foot.

The flowable fill at the north end of the trench was installed against a berm that did not appear to be compacted. The berm was installed to create a dam to keep the flowfill from covering the watermain trench.

Make proper corrections to the north end of the flowable fill to ensure proper compaction has been accomplished where the flowable fill was placed on/against the berm located at the north end of the flowable fill trench.

Brice Lawson 06/26/2018 9:47 AM

The contractor said that the existing soil that was against the flowable fill was removed and placed back in compacted lifts.

Comments:
