

DEVELOPMENT SERVICES

Punch List

Date: Friday, October 26, 2018

To:

Re: Certificate of Substantial Completion for:

Project Title: CREEKSIDE AT RAINTREE

Permit Number: PRPWFR20171420

Permit Type:

Work Description: NEW 31 LOT SINGLE FAMILY RESIDENTIAL SUBDIVISION

A comprehensive inspection was completed for this project. It has been determined by Public Works that a Certificate of Substantial Completion can be released. The following items were incomplete as of the date of this letter. The developer, contractors and engineers have ninety (90) days to complete these deficiencies in accordance with the City of Lee's Summit's, Design and Construction Manual, Ordinance 5813. Failure to complete all items will result in a freeze of building permits until all items are corrected and a Certificate of Final Acceptance is issued.

PUNCH LIST CORRECTIONS:

1. Brice Lawson 04/25/2018 3:58 PM

The 7 day compressive strength reports for the curb have been submitted for three separate sets of cylinders. The 7 day comp. strengths are all over 4000 p.s.i. The reports appear to be acceptable.

Submit the 28 day test reports when they are available.

2. Brice Lawson 04/26/2018 4:03 PM

Finish installing the polywrap up to the bury line and seal with proper tape.

3. 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.

4. Corrections need to be made to the Storm Sewer

Brice Lawson 04/26/2018 4:06 PM

- Grout the curb throats on the inside of the curb inlets
- Grout curb inlet lids
- Remove the knockouts from the CI weep holes
- Remove the lift cables from the storm structure lids
- Remove debris from inside the curb inlets
- Have contractor verify that the joints for the manhole frames in MH 1-10E and MH 1-10D have been sealed with mastic
- Repair the wall inside MH 1-10D where it appears the steel is exposed
- Properly seal the joint between the concrete lid and the manhole wall in MH 1-10D

5. Your project is in violation of the Erosion and Sediment control policy.

Brice Lawson 04/04/2018 1:51 PM

Temporary sediment trap #1 has been removed. The plans show the temp. sed. trap to be removed after the uphill watershed is seeded and mulched and vegetation has been established.

The east perimeter silt fence just south of the mulch berm is not trenched into the ground. Make proper corrections to control erosion at this location.

Brice Lawson 04/11/2018 9:25 AM RESOLVED

Straw waddles have been installed upstream in front of the silt fence in this location to control erosion.

Properly stabilize all disturbed areas of the site.

6. Brice Lawson 04/27/2018 4:27 PM

The new water main was slowly filled and flushed at each fire hydrant to get the air out of the line in preparation for the hydrostatic test. When the line filled up a leak was noticed where the temporary cap was installed near the proposed tie-in at STA. 1+00 on water line 1-1. The valve that isolates the new water main from the existing water main was closed after the new water line was filled and flushed to remove air. The contractor noticed that the all-thread securing the cap was not properly secured. The contractor is working on making the corrections to the cap.

Make proper corrections to the water main where it was leaking

7. Brice Lawson 05/02/2018 2:05 PM

Verify the depth of water line at STA. 14+06 located southeast of CI to verify that the water main has the proper cover. There is a revised sheet 01RC-CR-WA-03.

8. Brice Lawson 04/25/2018 3:57 PM

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

9. 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 a acceptable material for fill. This is located in areas around the new streets in this subdivision.

Make proper corrections to the filled areas.

10. 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.

11. 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.

12. 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.

13. 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.

14. Brice Lawson 07/25/2017 2:00 PM
There are revisions to the original ESC plans.

Install the ESC devices as shown on the revised set of plans.

Repair the perimeter silt fence below temp. sediment trap #2. Add more stakes in this location.

15. Brice Lawson 11/06/2017 4:04 PM
Precision had the existing City MH 64-003 core drilled to accept a 8" pipe.

Properly seal the hole and install the manhole cover.

16. Brice Lawson 07/25/2017 2:00 PM
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Install the ESC devices as shown on the revised set of plans.

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Brice Lawson 07/26/2017 3:53 PM PARTIAL CORRECTION
Gradeco construction made temp. sediment trap #2 larger and installed the 3rd sediment trap at the south end. They installed mulch berms below these sediment traps. They installed more rock to the three rock checks that are located in the north temporary diversion ditch. It appears that the ESC devices are effective.

The silt fence below sediment trap #2 still needs new posts.

17. Brice Lawson 07/25/2017 2:00 PM
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The silt fence below sediment trap #2 still needs new posts.

18. There are problems with the erosion control devices on your site.

Brice Lawson 08/01/2017 12:13 PM

An ESC inspection was performed on 7/31/17

Repair the rock checks that are located in the north diversion ditch. Repair the silt fence that is downstream of this ditch. It appears that the waterflow has knocked it down.

Repair the east perimeter silt fence where it is layed over. Repair any broken posts.

Repair the south perimeter silt fence where it is damaged.

19. There are problems with the erosion control devices on your site.

Brice Lawson 08/01/2017 12:13 PM

An ESC inspection was performed on 7/31/17

Repair the rock checks that are located in the north diversion ditch. Repair the silt fence that is downstream of this ditch. It appears that the waterflow has knocked it down.

Brice Lawson 08/04/2017 3:32 PM

The rock checks in the diversion ditch have been repaired. The silt fence below this diversion ditch still needs to be repaired

Repair the east perimeter silt fence where it is layed over. Repair any broken posts. Posts have been added to repair the east perimeter silt fence. Brice Lawson 08/04/2017 3:35 PM RESOLVED

Repair the south perimeter silt fence where it is damaged. Brice Lawson 08/04/2017 3:31 PM

Posts were added to the south silt fence and a mulch berm was added upstream from it as the silt fence is undermined in this area. RESOLVED

20. There are problems with the erosion control devices on your site.

Brice Lawson 01/09/2018 11:52 AM

Repair/replace the damaged silt fence on the east side of the site. Install larger rock at the construction entrance. Remove all mud and debris that gets tracked onto the street from this site.

21. Brice Lawson 11/24/2017 2:23 PM

Precision has plugged both sides of the damaged LBVSD 21" DI sanitary main. This pipe was damaged while excavating the sewer trench at approx. STA. 1+37 on sanitary sewer line 1-A. LBVSD confirmed that the DI pipe has been abandoned and that it was fine to plug the pipe.

The 8" SDR 26 sewer main pipe has been installed from MH 1-A1 to MH 1-A2. The pipe has been bedded in clear rock. It appears that there is at least 6" of clearance from the O/D of pipe to the trench walls. The service wye fittings have been installed for lots 10 and 11.

The wye fittings are 4' 8" from center of wye opening to center of wye opening. I will check with W/U to see if this separation is acceptable.

22. There are problems with the erosion control devices on your site.

Brice Lawson 01/09/2018 11:52 AM

Repair/replace the damaged silt fence on the east side of the site. Install larger rock at the construction entrance. Remove all mud and debris that gets tracked onto the street from this site.

Partial Correction--Brice Lawson 01/19/2018 3:07 PM

A construction entrance has been installed with larger rock.

23. Brice Lawson 01/19/2018 3:09 PM

Rock and mud has been tracked onto the street. Remove the rock and mud from the street.

Traffic in and out of this site should use the construction entrance to eliminate/reduce the rock and mud being tracked onto the street.

24. There are problems with the erosion control devices on your site.

Brice Lawson 01/09/2018 11:52 AM

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Partial Correction--Brice Lawson 01/19/2018 3:07 PM

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25. There are problems with the erosion control devices on your site.

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Partial Correction--Brice Lawson 01/19/2018 3:07 PM

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26. There are problems with the erosion control devices on your site.

Jeremy Young 02/13/2018 14:35 PM The ESC devices for this location have been partially removed during the construction process. Please put up and attach the devices as designed. Will check back to make sure this has been completed.

27. A main inspection has uncovered the following problems.

Brice Lawson 02/08/2018 5:42 PM

It appears that the end of the sanitary lateral for lot 5 was not installed to the location shown on the plans. Precision extended this lateral.

The end of the lateral for lot 24 has been installed south of the water main. This would require the plumber for the house to excavate below the water main to connect to the lateral. I pointed this out to Precision and they plan to extend the lateral to the north side of the water main.

It does not appear that the end of the lateral for lot 5 has been installed in the correct location. Make proper corrections to the lateral. Precision is aware of this and they plan to extend the lateral to the location shown on the plans.

28. Brice Lawson 02/01/2018 5:15 PM

Precision installed the 8" C900 water main for line 1-2 from STA.4+66.63 to STA. 3+20 the 45 degree bends have been installed and have been wrapped with poly wrap and sealed with tape. It appears that the pipe is being bedded in clean rock and the tracer wire is installed above the pipe.

Some of water line 1-2 has been backfilled without the marker tape. I let the contractor know to insall the tape and to call me so I can verify.

29. 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 asked Jake with Precision about this and he is going to check on this.

30. A main inspection has uncovered the following problems.

Brice Lawson 02/08/2018 5:42 PM

It appears that the end of the sanitary lateral for lot 5 was not installed to the location shown on the plans. Precision extended this lateral.

The end of the lateral for lot 24 has been installed south of the water main. This would require the plumber for the house to excavate below the water main to connect to the lateral. I pointed this out to Precision and they plan to extend the lateral to the north side of the water main.

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31. Brice Lawson 02/13/2018 3:27 PM

The sanitary line segments and manholes have been installed for sanitary lines 1-A and 1-B. The contractor has requested to begin sanitary testing soon. I inspected all of the manholes on these two lines. Make the following corrections.

Remove the excess mastic at the horizontal joints in MH 1-B1 and MH 1-A7.

Install the invert for the new 8" pipe that was connected to the existing City MH 64-003.

32. There are problems with the erosion control devices on your site.

Brice Lawson 01/09/2018 11:52 AM

Repair/replace the damaged silt fence on the east side of the site. Install larger rock at the construction entrance. Remove all mud and debris that gets tracked onto the street from this site.

Partial Correction--Brice Lawson 01/19/2018 3:07 PM

A construction entrance has been installed with larger rock.

33. There are problems with the erosion control devices on your site.

Jeremy Young 02/13/2018 2:54 PM The ESC devices for the site have not been maintained to workign order. These devices have been covered up and partially removed during the contruction process. Please correct these ESC devices to make sure they are working properly.

34. Jeremy Young 02/13/2018 14:35 PM The ESC devices for this location have been partially removed during the construction process. Please put up and attach the devices as designed. Will check back to make sure this has been completed.

35. Brice Lawson 02/13/2018 3:27 PM

The sanitary line segments and manholes have been installed for sanitary lines 1-A and 1-B. The contractor has requested to begin sanitary testing soon. I inspected all of the manholes on these two lines. Make the following corrections.

Remove the excess masitic at the horizontal joints in MH 1-B1 and MH 1-A7.

Install the invert for the new 8" pipe that was connected to the existing City MH 64-003.

36. Brice Lawson 02/13/2018 3:27 PM

The sanitary line segments and manholes have been installed for sanitary lines 1-A and 1-B. The contractor has requested to begin sanitary testing soon. I inspected all of the manholes on these two lines. Make the following corrections.

Remove the excess masitic at the horizontal joints in MH 1-B1 and MH 1-A7.

Install the invert for the new 8" pipe that was connected to the existing City MH 64-003.

37. Brice Lawson 02/13/2018 3:27 PM

The sanitary line segments and manholes have been installed for sanitary lines 1-A and 1-B. The contractor has requested to begin sanitary testing soon. I inspected all of the manholes on these two lines. Make the following corrections.

Remove the excess masitic at the horizontal joints in MH 1-B1 and MH 1-A7.

Install the invert for the new 8" pipe that was connected to the existing City MH 64-003.

38. There are problems with the erosion control devices on your site.

Brice Lawson 01/09/2018 11:52 AM

Repair/replace the damaged silt fence on the east side of the site. Install larger rock at the construction entrance. Remove all mud and debris that gets tracked onto the street from this site.

Partial Correction--Brice Lawson 01/19/2018 3:07 PM

A construction entrance has been installed with larger rock.

39. There are problems with the erosion control devices on your site.

Jeremy Young 02/13/2018 2:54 PM The ESC devices for the site have not been maintained to workign order. These devices have been covered up and partially removed during the contruction process. Please correct these ESC devices to make sure they are working properly.

40. Jeremy Young 02/13/2018 14:35 PM The ESC devices for this location have been partially removed during the construction process. Please put up and attach the devices as designed. Will check back to make sure this has been completed.

Brice Lawson 02/28/2018 11:21 AM

The silt fence has been partially repaired. Some mulch berms were installed on the east perimeter instead of the silt fence. Some of the silt fence at the north east part of the site is not trenched into the ground. Jake with Precision said he will get this resolved.

41. Brice Lawson 02/13/2018 3:27 PM

The sanitary line segments and manholes have been installed for sanitary lines 1-A and 1-B. The contractor has requested to begin sanitary testing soon. I inspected all of the manholes on these two lines. Make the following corrections.

Remove the excess masitic at the horizontal joints in MH 1-B1 and MH 1-A7.

Install the invert for the new 8" pipe that was connected to the existing City MH 64-003.

42. Brice Lawson 02/15/2018 5:15 PM

The following manholes were vacuum tested:

MH 1-B1

Start 10 inHg

End 8.75 inHg

Duration 2.5 min

Test Failed-The plugs were adjusted and the MH was retested

MH 1-B1

Start 10 inHg

End 9.0

Duration 2.5 min

Test Passed

MH 1-A5
Start 10 inHg
End 8.5 inHg
Duration 2.5 min
Test Failed

Make proper corrections and retest MH 1-A5

43. Brice Lawson 02/13/2018 3:27 PM

The sanitary line segments and manholes have been installed for sanitary lines 1-A and 1-B. The contractor has requested to begin sanitary testing soon. I inspected all of the manholes on these two lines. Make the following corrections.

Remove the excess masitic at the horizontal joints in MH 1-B1 and MH 1-A7.

Install the invert for the new 8" pipe that was connected to the existing City MH 64-003.

44. A main inspection has uncovered the following problems. Brice Lawson 02/16/2018 12:01 PM

It appears that the existing City sanitary MH 64-003 has had sewer back up in it about 3' above the invert.

I checked the downstream and upstream manholes and it appears that the mains are flowing fine at these manholes. It does appear that the main has backed up into these manholes.

I made Gene Williams aware of the surge a manhole 64-003 and he contacted HDR to inform thiem vie email.

I contacted Josh Roach with Water Utilities and he came to the site and plans to jet the 12" main in this area and see if anything is blocking the line.

Follow up with Josh to see what he finds.

45. Brice Lawson 02/13/2018 3:27 PM

The sanitary line segments and manholes have been installed for sanitary lines 1-A and 1-B. The contractor has requested to begin sanitary testing soon. I inspected all of the manholes on these two lines. Make the following corrections.

Remove the excess masitic at the horizontal joints in MH 1-B1 and MH 1-A7.

Install the invert for the new 8" pipe that was connected to the existing City MH 64-003.

46. Brice Lawson 02/13/2018 3:27 PM

The sanitary line segments and manholes have been installed for sanitary lines 1-A and 1-B. The contractor

has requested to begin sanitary testing soon. I inspected all of the manholes on these two lines. Make the following corrections.

Remove the excess masitic at the horizontal joints in MH 1-B1 and MH 1-A7.

Install the invert for the new 8" pipe that was connected to the existing City MH 64-003.

47. There are problems with the erosion control devices on your site.

Brice Lawson 01/09/2018 11:52 AM

Repair/replace the damaged silt fence on the east side of the site. Install larger rock at the construction entrance. Remove all mud and debris that gets tracked onto the street from this site.

Partial Correction--Brice Lawson 01/19/2018 3:07 PM

A construction entrance has been installed with larger rock.

48. There are problems with the erosion control devices on your site.

Jeremy Young 02/13/2018 2:54 PM The ESC devices for the site have not been maintained to workign order. These devices have been covered up and partially removed during the contruction process. Please correct these ESC devices to make sure they are working properly.

49. Brice Lawson 03/20/2018 11:21 AM

The ESC devices appear to be effective. There is some rock and mud that is tracked onto Raintree Pkwy.

Remove the debris from the road.

I spoke to Jake with Precision and he plans to get the rock cleaned up today.

50. Brice Lawson 03/14/2018 11:49 AM

The grade of the top of storm manhole 1-10E appears to be in a low spot. There is no grading proposed on the plan in this area. The contractor said that some grading will need to be done. I emailed the engineer and developer to see if any adjustments need to be made to the grading or top elevations to the structure in this area. I am waiting on a reply.

51. Brice Lawson 04/09/2018 2:33 PM

Some of the compaction test results for Meadowbrook show that a recycled aggregate was used. I spoke to Jake with Precision and Eric Howard about this. Eric Howard is looking into see if there is a sieve analysis of the recycled aggregate. He is suppose to get back with me.

Make proper corrections to the base rock if requiered based on what is determined in regards to recycled aggregate being used instead of the required base rock material.

52. Brice Lawson 03/27/2018 2:27 PM

The inverts have been installed in manholes 1-A1, 1-A2, 1-A3, 1-A4, 1-A5, 1-A6 1-B1, 1-C1 and 1-C2. It appears that the contractor used a grinder to grind down high spots in manholes 1-A6, 1-A4, 1-A3 and 1-A2.

Corriections needed:

Uncover manhole 1-A7 for inspection.

Make proper corrections to the invert that was installed where the new pipe has been installed in the existing manhole. The invert must be brought up to the spring line of the new pipe and create an invert from the new pipe to the existing invert. The invert should turn to guide the sewage to the existing invert.

Install the inverts at the proper time in the two existing sanitary manholes on sewer line 1-C.

53. Brice Lawson 02/13/2018 3:27 PM

The sanitary line segments and manholes have been installed for sanitary lines 1-A and 1-B. The contractor has requested to begin sanitary testing soon. I inspected all of the manholes on these two lines. Make the following corrections.

Remove the excess masitic at the horizontal joints in MH 1-B1 and MH 1-A7.

Install the invert for the new 8" pipe that was connected to the existing City MH 64-003.

54. There are problems with the erosion control devices on your site.

Brice Lawson 03/27/2018 1:17 PM

Add inlet protection in front of the curb inlet in the south cul-de-sac.

55. There are problems with the erosion control devices on your site.

Brice Lawson 03/27/2018 1:17 PM

Add inlet protection in front of the curb inlet in the south cul-de-sac.

56. Your project is in violation of the Erosion and Sediment control policy.

Brice Lawson 04/04/2018 1:51 PM

Temporary sediment trap #1 has been removed. The plans show the temp. sed. trap to be removed after the uphill watershed is seeded and mulched and vegetation has been established.

The east perimeter silt fence just south of the mulch berm is not trenched into the ground. Make proper corrections to control erosion at this location.

Properly stabilize all disturbed areas of the site.

57. 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.

58. Brice Lawson 04/26/2018 4:03 PM

Finish installing the polywrap up to the bury line and seal with proper tape.

59. Brice Lawson 04/25/2018 3:58 PM

The 7 day compressive strength reports for the curb have been submitted for three separate sets of cylinders. The 7 day comp. strengths are all over 4000 p.s.i. The reports appear to be acceptable.

Submit the 28 day test reports when they are available.

60. 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

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

61. There are problems with the erosion control devices on your site.

Brice Lawson 03/27/2018 1:17 PM

Add inlet protection in front of the curb inlet in the south cul-de-sac.

Brice Lawson 04/11/2018 9:27 AM

The silt fence inlet protection has been installed but it is not effective. The contractor plans to trench it into the rock to make it effective.

62. Your project is in violation of the Erosion and Sediment control policy.

Brice Lawson 04/04/2018 1:51 PM

Temporary sediment trap #1 has been removed. The plans show the temp. sed. trap to be removed after the uphill watershed is seeded and mulched and vegetation has been established.

The east perimeter silt fence just south of the mulch berm is not trenched into the ground. Make proper corrections to control erosion at this location.

Brice Lawson 04/11/2018 9:25 AM RESOLVED

Straw waddles have been installed upstream in front of the silt fence in this location to control erosion.

Properly stabilize all disturbed areas of the site.

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

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Debris @ 97' to MH 62-207

Sag @ MH 62-208 to 8'

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

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Debris @ 97' to MH 62-207

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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

65. A main inspection has uncovered the following problems.

Precision noticed debris in the sanitary line segment between MH 62-209 and MH 62-208. The debris is approx. 8' north of MH 62-209.

Flush the line and remove the debris.

66. 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

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.

67. A main inspection has uncovered the following problems.

Precision noticed debris in the sanitary line segment between MH 62-209 and MH 62-208. The debris is approx. 8' north of MH 62-209.

Flush the line and remove the debris.

68. 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

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.

69. A main inspection has uncovered the following problems.

Precision noticed debris in the sanitary line segment between MH 62-209 and MH 62-208. The debris is

approx. 8' north of MH 62-209.

Flush the line and remove the debris.

70. 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.

71. A main inspection has uncovered the following problems.

Brice Lawson 04/13/2018 10:31 AM

Precision is working on installing part of water line 1-2. They are working on bedding the 45 degree bends around the south cul-de-sac. The treches have water in them. I asked them to remove the water from the trench prior to bedding the pipe.

Remove the water from the trench.

72. 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.

73. 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.

74. 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' form 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.

75. 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.

76. Your project is in violation of the Erosion and Sediment control policy.

Brice Lawson 04/04/2018 1:51 PM

Temporary sediment trap #1 has been removed. The plans show the temp. sed. trap to be removed after the uphill watershed is seeded and mulched and vegetation has been established.

The east perimeter silt fence just south of the mulch berm is not trenched into the ground. Make proper corrections to control erosion at this location.

Brice Lawson 04/11/2018 9:25 AM RESOLVED

Straw waddles have been installed upstream in front of the silt fence in this location to control erosion.

Properly stabilize all disturbed areas of the site.

77. 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.

78. 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.

79. 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.

80. A main inspection has uncovered the following problems.

Brice Lawson 04/13/2018 10:31 AM

Precision is working on installing part of water line 1-2. They are working on bedding the 45 degree bends around the south cul-de-sac. The treches have water in them. I asked them to remove the water from the trench prior to bedding the pipe.

Remove the water from the trench.

81. 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.

82. Your project is in violation of the Erosion and Sediment control policy.

Brice Lawson 04/04/2018 1:51 PM

Temporary sediment trap #1 has been removed. The plans show the temp. sed. trap to be removed after the uphill watershed is seeded and mulched and vegetation has been established.

The east perimeter silt fence just south of the mulch berm is not trenched into the ground. Make proper corrections to control erosion at this location.

Brice Lawson 04/11/2018 9:25 AM RESOLVED

Straw waddles have been installed upstream in front of the silt fence in this location to control erosion.

Properly stabilize all disturbed areas of the site.

83. Brice Lawson 04/25/2018 3:57 PM

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

84. 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.

85. Corrections need to be made to the Storm Sewer

Brice Lawson 04/26/2018 4:06 PM

- Grout the curb throats on the inside of the curb inlets
- Grout curb inlet lids
- Remove the knockouts from the CI weep holes
- Remove the lift cables from the storm structure lids
- Remove debris from inside the curb inlets
- Have contractor verify that the joints for the manhole frames in MH 1-10E and MH 1-10D have been sealed with mastic
- Repair the wall inside MH 1-10D where it appears the steel is exposed
- Properly seal the joint between the concrete lid and the manhole wall in MH 1-10D

86. Brice Lawson 04/25/2018 3:57 PM

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

87. 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 ease 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.

88. 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.

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.

89. 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.

90. Brice Lawson 04/27/2018 4:27 PM

The new water main was slowly filled and flushed at each fire hydrant to get the air out of the line in preparation for the hydrostatic test. When the line filled up a leak was noticed where the temporary cap was installed near the proposed tie-in at STA. 1+00 on water line 1-1. The valve that isolates the new water main from the existing water main was closed after the new water line was filled and flushed to remove air. The contractor noticed that the all-thread securing the cap was not properly secured. The contractor is working on making the corrections to the cap.

Make proper corrections to the water main where it was leaking

91. Brice Lawson 04/27/2018 4:27 PM

The new water main was slowly filled and flushed at each fire hydrant to get the air out of the line in preparation for the hydrostatic test. When the line filled up a leak was noticed where the temporary cap was installed near the proposed tie-in at STA. 1+00 on water line 1-1. The valve that isolates the new water main from the existing water main was closed after the new water line was filled and flushed to remove air. The contractor noticed that the all-thread securing the cap was not properly secured. The contractor is working on making the corrections to the cap.

Make proper corrections to the water main where it was leaking

92. Brice Lawson 05/02/2018 2:05 PM

Verify the depth of water line at STA. 14+06 located southeast of CI to verify that the water main has the proper cover. There is a revised sheet 01RC-CR-WA-03.

93. Brice Lawson 04/25/2018 3:57 PM

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

94. 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.

95. 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.

Make proper corrections to the filled areas.

96. Brice Lawson 04/27/2018 4:27 PM

The new water main was slowly filled and flushed at each fire hydrant to get the air out of the line in preparation for the hydrostatic test. When the line filled up a leak was noticed where the temporary cap was installed near the proposed tie-in at STA. 1+00 on water line 1-1. The valve that isolates the new water main from the existing water main was closed after the new water line was filled and flushed to remove air. The contractor noticed that the all-thread securing the cap was not properly secured. The contractor is working on making the corrections to the cap.

Make proper corrections to the water main where it was leaking

97. Brice Lawson 05/02/2018 2:05 PM

Verify the depth of water line at STA. 14+06 located southeast of CI to verify that the water main has the proper cover. There is a revised sheet 01RC-CR-WA-03.

98. Brice Lawson 04/25/2018 3:57 PM

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

99. 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.

100. 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 a acceptable material for fill. This is located in areas around the new streets in this subdivision.

Make proper corrections to the filled areas.

101. 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.

102. Brice Lawson 04/27/2018 4:27 PM

The new water main was slowly filled and flushed at each fire hydrant to get the air out of the line in preparation for the hydrostatic test. When the line filled up a leak was noticed where the temporary cap was installed near the proposed tie-in at STA. 1+00 on water line 1-1. The valve that isolates the new water main from the existing water main was closed after the new water line was filled and flushed to remove air. The contractor noticed that the all-thread securing the cap was not properly secured. The contractor is working on making the corrections to the cap.

Make proper corrections to the water main where it was leaking

103. Brice Lawson 05/02/2018 2:05 PM

Verify the depth of water line at STA. 14+06 located southeast of CI to verify that the water main has the proper cover. There is a revised sheet 01RC-CR-WA-03.

104. Your project is in violation of the Erosion and Sediment control policy.

Brice Lawson 04/04/2018 1:51 PM

Temporary sediment trap #1 has been removed. The plans show the temp. sed. trap to be removed after the uphill watershed is seeded and mulched and vegetation has been established.

The east perimeter silt fence just south of the mulch berm is not trenched into the ground. Make proper corrections to control erosion at this location.

Brice Lawson 04/11/2018 9:25 AM RESOLVED

Straw waddles have been installed upstream in front of the silt fence in this location to control erosion.

Properly stabilize all disturbed areas of the site.

105. Brice Lawson 04/27/2018 4:27 PM

The new water main was slowly filled and flushed at each fire hydrant to get the air out of the line in preparation for the hydrostatic test. When the line filled up a leak was noticed where the temporary cap was installed near the proposed tie-in at STA. 1+00 on water line 1-1. The valve that isolates the new water main from the existing water main was closed after the new water line was filled and flushed to remove air. The contractor noticed that the all-thread securing the cap was not properly secured. The contractor is working on making the corrections to the cap.

Make proper corrections to the water main where it was leaking

106. Brice Lawson 05/02/2018 2:05 PM

Verify the depth of water line at STA. 14+06 located southeast of CI to verify that the water main has the proper cover. There is a revised sheet 01RC-CR-WA-03.

107. Brice Lawson 04/25/2018 3:57 PM

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

108. 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 a acceptable material for fill. This is located in areas around the new streets in this subdivision.

Make proper corrections to the filled areas.

109. Brice Lawson 04/27/2018 4:27 PM

The new water main was slowly filled and flushed at each fire hydrant to get the air out of the line in preparation for the hydrostatic test. When the line filled up a leak was noticed where the temporary cap was installed near the proposed tie-in at STA. 1+00 on water line 1-1. The valve that isolates the new water main from the existing water main was closed after the new water line was filled and flushed to remove air. The contractor noticed that the all-thread securing the cap was not properly secured. The contractor is working on making the corrections to the cap.

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112. Brice Lawson 05/02/2018 2:05 PM

Verify the depth of water line at STA. 14+06 located southeast of CI to verify that the water main has the proper cover. There is a revised sheet 01RC-CR-WA-03.

113. Brice Lawson 04/27/2018 4:27 PM

The new water main was slowly filled and flushed at each fire hydrant to get the air out of the line in preparation for the hydrostatic test. When the line filled up a leak was noticed where the temporary cap was installed near the proposed tie-in at STA. 1+00 on water line 1-1. The valve that isolates the new water main from the existing water main was closed after the new water line was filled and flushed to remove air. The contractor noticed that the all-thread securing the cap was not properly secured. The contractor is working on making the corrections to the cap.

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The new water main was slowly filled and flushed at each fire hydrant to get the air out of the line in preparation for the hydrostatic test. When the line filled up a leak was noticed where the temporary cap was installed near the proposed tie-in at STA. 1+00 on water line 1-1. The valve that isolates the new water main from the existing water main was closed after the new water line was filled and flushed to remove air. The contractor noticed that the all-thread securing the cap was not properly secured. The contractor is working on making the corrections to the cap.

Make proper corrections to the water main where it was leaking

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117. 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.

118. 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.

119. 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.

120. 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

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Properly install the marker tape at the sag repair locations.

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Make proper corrections to the damaged sanitary sewer main.

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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.

Brice Lawson 06/27/2018 11:59 AM

The damaged 10" VCP has been replaced with approx. 17' of 10" SDR 26 sewer pipe. The connections to the existing VCP at both ends were made with strong back couplers. Brent Dye was on site and had a concern with water movement near the south coupler. He plans to have the water dept. perform a video inspection inside the sewer main around the damaged area to see if there are any problems. He plans to get back with me to let me know if anything is noticed during the video inspection that would need to be corrected.

I also answered the contractors questions about the sewer testing, flushing and went over his plan for the proposed work that will be done to the existing manholes that sanitary line C ties into.

123. 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

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124. Brice Lawson 04/11/2018 8:34 AM

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Properly install the marker tape at the sag repair locations.

125. Brice Lawson 06/26/2018 7:23 AM

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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.

Brice Lawson 06/27/2018 11:59 AM

The damaged 10" VCP has been replaced with approx. 17' of 10" SDR 26 sewer pipe. The connections to the existing VCP at both ends were made with strong back couplers. Brent Dye was on site and had a concern with water movement near the south coupler. He plans to have the water dept. perform a video inspection inside the sewer main around the damaged area to see if there are any problems. He plans to get back with me to let me know if anything is noticed during the video inspection that would need to be corrected.

Brice Lawson 06/29/2018 11:36 AM

On 6/28/18 the upstream and downstream manholes were opened to perform a mandrel test. It appeared that the sanitary sewer was flowing fine at both manholes.

I also answered the contractors questions about the sewer testing, flushing and went over his plan for the proposed work that will be done to the existing manholes that sanitary line C ties into.

126. 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.

127. 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.

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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.

130. 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.

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We do not claim this list identifies all possible incomplete, damaged, or unfinished work - items may have been unintentionally omitted. Omission from the punch list does not relieve the Developer, Contractors, or Engineer from responsibility to complete work in accordance with approved Engineering Plans, Development Plans and Lee's Summit's Design and Construction Manual.

Permit Holder
(Signature & Date)

John DiMauro, Field Engineering Inspector
(Signature & Date)

Original: Public Works Inspections File

Copy:

Developer

Development Services Engineering Manager