

PUBLIC WORKS ENGINEERING DIVISION

Inspection Summary

Permit #: PRPWFC20162083, Public Works Infrastructure Permit - Commercial
 WATER UTILITIES FACILITY
 Address: 1200 SE HAMBLLEN RD, LEES SUMMIT, MO 64081

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:
PW-Water Line - Fire Hydrant	Brice Lawson	Partial	Wednesday, May 31, 2017

Informational

1 Brice Lawson 11/28/2016 11:36 AM
 She Digs It installed the FH near STA.6+50 and the FH at STA. 10+04.99.

Corrective Action Required

2 Brice Lawson 11/28/2016 11:39 AM
 Paint fire hydrants yellow with a silver bonnet.

Corrective Action Required

3 Brice Lawson 05/31/2017 4:04 PM
 Keep the new private fire hydrants covered with a black trash bag until they are put into service.

PW-Erosion Sediment Control (ESC) Inspection	Brice Lawson	Partial	Wednesday, May 31, 2017
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Corrective Action Required

1 Your project is in violation of the Erosion and Sediment control policy.
 Brice Lawson 02/01/2017 2:17 PM
 Repair the silt fence or replace silt fence as needed on this site. The silt fence has been knocked down, has become unattached or removed at different locations. All silt fence needs to be repaired and properly maintained.

The debris on SE Hamblen Rd. from Bailey to Oldham Pkwy needs to be removed. This includes what has collected in the curb line.

Stabilize the disturbed soil that was disturbed during the storm sewer construction on the

east side of Hamblen Rd.

Stabilize all inactive areas on this site.

Informational

2 Brice Lawson 09/14/2016 10:05 AM

The site has received .74" of rain in the last 24 hours. The silt fence that is in place is effective and in good shape. The street is free of debris.

Informational

3 Brice Lawson 09/07/2016 1:16 PM

A section of silt fence has been added on the east side of site to catch silt from the excavation of the retention pond.

Informational

4 Brice Lawson 08/31/2016 1:43 PM

The construction entrance has been installed with 2-30" culverts. There is a concern that the culvert pipes may make the entrance too tall for low clearance vehicles to access the site.

Informational

5 Brice Lawson 10/07/2016 11:11 AM

This site received 15/16" of rain in the last 24 hours. The ESC devices that are in place appear to be effective and the road is free of debris.

Informational

6 Brice Lawson 10/17/2016 11:37 AM

The ESC devices that are in place appear to be effective and in good shape. There does not appear that any excessive silt/sediment leaving the site. The street is free of debris. Casey said the triangular silt dikes for the swales are on back order.

Corrective Action Required

7 Temporary Seeding on your site does not meet the Design and Construction Manual.

Brice Lawson 10/28/2016 8:39 AM

Add the linear ESC device on the east side of the retention pond that was recently removed for grading operations.

Some seed was spread over most of the site but it did not produce much if any vegetation.

Corrective Action Required

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

Brice Lawson 12/09/2016 10:57 AM

Stabilize inactive areas of the site in accordance with Section 5111 of the Lee's Summit Design and Construction Manual.

Repair and or replace the silt fence where it has been removed or knocked down and

where it has become unattached from the wood stakes.

Install inlet protection around the installed curb inlets per the plan.

Informational

9 Brice Lawson 12/13/2016 3:16 PM

I met with Casey Williams to go over options that are in the Design and Construction Manual for the stabilization of the inactive areas of this site. He is coming up with a plan.

Partial Correction

10 Brice Lawson 03/28/2017 3:32 PM

Add ESC devices and establish proper vegetation on the east side of Hamblen Rd. where the ground was disturbed while performing the storm sewer construction.

Brice Lawson 03/31/2017 8:20 AM

Partial Correction - A section of silt fence was added above the rip rap on the east side of Hamblen Rd. to keep silt from entering the stream.

Install ESC devices and establish proper vegetation to control run off onto Hamblen Rd. on the north side of the proposed north entrance.

Make necessary adjustments to the grade in the swale to allow water to drain properly on the north side of the proposed south entrance.

Corrective Action Required

11 Brice Lawson 05/31/2017 4:06 PM

Repair the silt fence on the site.

Install the ESC devices at the structures as shown on the plans.

Remove silt that is built up in front of the silt fence at the structures.

PW-Storm - Sewer
Construction Inspection

Brice Lawson

Partial

Wednesday,
May 31, 2017

Informational

1 Brice Lawson 11/03/2016 3:58 PM

She Digs It began removing the wall on the existing CI-8479 in preparation to the connection to this CI.

Informational

2 Brice Lawson 11/07/2016 3:09 PM

She Digs It installed CI 10A and poured the invert and collar around the 38" by 60" concrete elliptical pipe.

CI 10A was butted up next to the existing CI 8479 and the joint between the two has been partially grouted. Four rebar pins were drilled into the base of the existing CI and poured in

the invert of CI 10A.

Gene Williams and I discussed this connection to the existing CI today.

Informational

3 Brice Lawson 11/28/2016 10:56 AM

The exterior pipe collars have been installed at the HDPE storm pipe connections for MH 30C and GI 30D.

Informational

4 Brice Lawson 12/02/2016 7:05 AM

On 12/1/16 MH-40B base was installed and the remaining 12" HDPE pipe towards the pond.

CI 30B base was installed. The remaining 30" HDPE pipe towards the pond was installed and connected to CI 30B. The remaining 30" HDPE pipe was installed towards MH 30C.

Corrective Action Required

5 Brice Lawson 12/02/2016 3:45 PM

She Digs It poured the interior pipe collars on CI 30B. They installed CI 31A and connected the 18" HDPE pipe from CI31A to CI30B.

They installed the invert, interior and exterior collars on MH40B

The lid for MH 30C has been installed but needs to be seated down on the base section.

Brice Lawson 05/30/2017 3:58 PM

Resolved

Informational

6 Brice Lawson 12/12/2016 3:52 PM

The base for GI 40C was installed and the remainder of the 12" HDPE storm pipe was installed between GI 40C and MH 40B

Informational

7 Brice Lawson 12/30/2016 3:33 PM

She Digs It installed the 4" underdrain into the southeast side of GI 30D and sealed the hole that was made in the manhole.

They installed the top section and lid with grate on GI 40C.

Informational

8 Brice Lawson 01/12/2017 4:10 PM

She Digs It installed the remainder of the 36" HDPE storm pipe between 20A and 20B which was about 20'. The base for MH-20B has been installed.

Informational

9 Brice Lawson 01/13/2017 3:44 PM

She Digs It installed the cone section on MH 20B. They installed 20' of the 30" HDPE pipe towards CGI 20C. They installed collars on the connections of the 36" and 30" HDPE pipes

at MH 20B and the invert in the MH 20B

Informational

10 Brice Lawson 01/17/2017 3:46 PM

She Digs It installed FES 50A and connected 20' of 42" HDPE storm pipe.

Informational

11 Brice Lawson 01/18/2017 2:51 PM

She Digs It installed the remainder of the 42" HDPE storm pipe between CI 50B and FES 50A. They installed CI 50B and installed approx 35' of 42" HDPE from CI 50B towards FI 50C. They are using 3/4" rock for bedding. They installed the interior and exterior collars and invert in CI50B.

Informational

12 Brice Lawson 01/19/2017 4:53 PM

She Digs It installed the remainder of the 42" HDPE storm pipe between CI 50B and FI 50C. They installed the invert and collars for FI 50C.

Informational

13 Brice Lawson 01/26/2017 11:37 AM

On 1/24/17 She Digs It installed JB 10B, installed the remainder of the 38" by 60" elliptical RCP pipe and connected this pipe to JB 10B. They installed the remainder of the 48" HDPE pipe between 10C and JB 10B and connected it to JB 10B. The collars were installed and the invert was poured.

Informational

14 Brice Lawson 01/26/2017 11:43 AM

On 1/25/17 She Digs It installed the installed the 18" culvert at the southwest corner of the site. They installed the dual 24" HDPE mitered pipes at the northwest corner of the site.

The space between the dual mitered pipes was not filled with flowable fill to the spring line as shown on the plans. Casey Williams is aware of this and plans to have the Design Engineer address this issue.

Informational

15 Brice Lawson 01/26/2017 11:52 AM

She Digs It installed CGI 20C, installed and connected the remainder of the 30" HDPE pipe between CGI 20C and MH 20B. They installed CGI 20D and installed the 30" HDPE from CGI 20D to CGI 20C. The collars were installed on the pipes at CGI 20C. The invert was installed in CGI 20C. An opening was in the north wall of CGI 20D to accept the roof drain.

Informational

16 Brice Lawson 01/27/2017 3:58 PM

She Digs It installed GI 21A and the 85' of 24" HDPE pipe from GI 21A to CGI 20D. They installed approx. 100' of 24" HDPE from CGI 20D towards CGI 20E.

Informational

17 Brice Lawson 01/31/2017 7:16 AM

She Digs It installed the invert and collar in GI 21A and the collars and invert in CGI 20D.

Partial Correction

18 Brice Lawson 02/10/2017 7:18 AM

At Casey's request here is a list of items that need to be completed thus far pertaining to

the storm sewer construction:

The dual pipes that were installed in the northwest corner were proposed to have flowable fill installed between them up to the spring line. The pipes were installed without flowable fill. This change has been approved by HDR and Gene Williams.

- The 20' of the 18" culvert in the southwest corner has been installed. The plans show this to be 25' long. Properly install the remaining 5'

Brice Lawson 05/17/2017 10:39 AM

Resolved

- Complete the installation of the roof drains from 40B, 20D and 20E

Brice Lawson 05/17/2017 10:40 AM

Resolved

- Complete the installation of the 4" under drains at the three remaining areas and the area that was removed while installing the 4" sewer pipe going to the oil interceptor

Brice Lawson 05/17/2017 10:40 AM

Resolved

Brice Lawson 02/10/2017 4:14 PM

Approx. 8' of the 4" underdrain has been repaired where the trench was dug for the sewer pipe going to the oil interceptor. This repair is located between MH-30C and GI-30D.

CI-10A:

- Seal the gap between the structure walls
- Seal the gap between the concrete lids
- Install the approved City of LS cover
- Complete the seal for the concrete lid to structure joint

Resolved

JB-10B:

- Add Steps

Brice Lawson 05/30/2017 4:00 PM

Resolved

Outfall Structure-10C:

- Add steps
- Seal the concrete lid to the structure
- Install the 3rd weir opening

Brice Lawson 05/30/2017 4:00 PM

Resolved

Outlet-20A:

- Make proper repairs to the first pipe joint from the pond as this joint is separated

Brice Lawson 05/30/2017 4:01 PM

Resolved

MH-20B:

- Add steps 16" O/C as needed
- Remove debris

Resolved

CGI-20C:

- No inspection this structure is covered with fabric

Resolved

CGI-20D:

- Install the roof drains from here to the building
- Grout the interior collar
- Seal the concrete lid to the structure
- Remove debris
- Install the grate per the plan

Brice Lawson 05/30/2017 4:02 PM

Resolved

CGI-20E:

- Has not been installed

Resolved

CI-30B:

- Move steps - Resolved
- Replace the concrete lid so that the opening is over the relocated steps - Resolved
- Install the approved City of LS cover - Resolved
- Remove the 4" knockouts - Resolved
- Seal the concrete lid to the structure - Resolved
- Grout throat inside CI
- Install 4" drain holes in structure

MH-30C:

- Properly seat/seal the concrete lid to the structure
- The concert lid does not match the thickness shown on the plans. Rebuild the lid to the proper thickness
- Properly install the casting and lid
- Grout the lift holes

Brice Lawson 05/30/2017 4:06 PM

Resolved

GI-30D:

- Grout the lift holes
- Properly install the frame, grate and adj. ring
- Grout around the north interior collar and 4" under drain pipe
- The concrete lid is not 8" thick. Replace the lid with one that is built per the plan and properly seal

Resolved

GI-30E:

- Install the frame and grate
- Seal the concrete lid to the structure
- Grout the lift holes
- The concert lid is not 8" thick. Replace this lid with one that is built per the plan and properly seal

Resolved

CI-31A:

- Seal the concrete lid to the structure
- Remove the 4" knockouts
- Install the approved City of LS cover
- Grout the interior collar

Brice Lawson 05/30/2017 4:19 PM

Resolved

MH-40B:

- Install the approved City of LS cover
- Install the frame
- Remove debris
- Grout the collars
- Verify that the elevation of the lid is correct

Resolved

GI-40C:

- Remove the debris

Brice Lawson 05/30/2017 4:37 PM

Resolved

FI-50C:

- Install the approved City of LS cover - Resolved
- Remove the 4" knockouts - Resolved

- Seal the concrete lid to the structure - Resolved

Install line 60 with the flowalble fill

Resolved

Informational

19 Brice Lawson 02/16/2017 12:02 PM

She Digs It installed CGI structure 20E and the remainder of the 24" HDPE pipe between 20E and 20D. This was approx. 115' of 24" HDPE.

They installed the 6" HDPE roof drain from structure 20D to the connection at the building.

They installed 8" HDPE roof drain from 20D to the connection at the building.

Informational

20 Brice Lawson 02/28/2017 3:23 PM

On 2/24/17 She Digs It installed approx. 155' of the 4" underdrain on the south side of CI 30B and connected it to CI 30B.

Informational

21 Brice Lawson 03/01/2017 3:33 PM

She Digs It installed approx. 220' of the 4" underdrain with filter fabric along the north parking lot curb perimeter from where they left off to CI 31A.

Informational

22 Brice Lawson 03/10/2017 11:10 AM

On 3/9/17 She Digs It installed the remainder of the 4" underdrain between CGI 20D and CGI 20E and connected it to CGI 20E. They connected this to 20E because of a grade brake in the finish grade that is east of this structure. Casey Williams is aware of this.

They installed approx. 99' of the 4" underdrain west of CGI 20E and connected it to CGI 20E.

PW-Sidewalk Inspection

Brice Lawson

Partial

Wednesday,
May 31, 2017

Informational

1 Brice Lawson 05/31/2017 4:08 PM

Epic Concrete installed approx. 50' of sidewalk just south of the north driveway approach. The base rock was compacted and the forms were set to achieve the proper cross slope.

Comments:
