
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-Erosion Sediment Control (ESC) Inspection	Brice Lawson	Partial	Wednesday, June 21, 2017

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 recieved .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.

Corrective Action Required

- 12 There are problems with the erosion control devices on your site.
Brice Lawson 06/20/2017 2:12 PM
Remove the silt that is built up on the silt fence on this site.

Add the ESC devices at of the locations shown on the plans.

Repair the silt fence along the east side of the site. This silt fence was put in instead of the berm.

Remove silt that is built up in front of the rock checks.

Remove the silt that has built up in the temporary sediment trap located near the northwest corner of the site.

Surface roughen the site as shown on sheet 00C112 on the plans.

Brice Lawson 06/21/2017 2:16 PM

The following is the reply that I recieved via email from Casey with Fogel Anderson when I sent the inspection summary for the items listed above.

Brice,

Our current construction schedule will not allow us to clear grade and roughen the soil or Hydro-mulch (that you recommended) at this time. I think this method would be very counterproductive for the efficiency of all the native vegetation that has covered most of the site. We will be able to address inlet protection at the curb inlets and the grate inlets in the parking lot. We will try to have these completed by June 30th.

It is scheduled for the excavator to come in late next week and complete the final grade.

They have been waiting for the site concrete to be finished. At that time if there is silt built up behind any of the erosion control devices it will be addressed.

The first attachment w/ pictures is of the east side of Hamblen road with a very efficient silt

fence in place. Also we rip rapped both sides and the bottom of the drainage ditch. (Rip rap not shown on the plans) We are working with our landscaper for him to address the bare spots over there. I might add that there is a lot of wild native vegetation growth helping with the erosion control over there also. It also appears that the city came in and clear cut all the trees we saved and left them lying in the drainage ditch and on the banks.

The rest of the attachments/pictures were taken randomly all over the site showing the wild native vegetation growth helping with the erosion control.

I'm not aware of any silt leaving the site. If we have a situation that needs our attention it will be addressed immediately.

My understanding with the erosion control is to prevent anything from leaving the site.

After everything I have heard from other contractors on this site and from contractors on other projects I'm wondering if this is a personal attack on me. Brice, I sure hope not.

Regards,
Casey

I spoke with Casey about the ESC issues this morning and he stated that the site is not ready for surface roughening. He plans to fix the devices as stated in his email.

PW-Sanitary Sewer
Construction Inspection

Brice Lawson

Passed

Wednesday,
June 21, 2017

Informational

1 Brice Lawson 11/10/2016 7:01 AM

On 11/9/16 She Digs It installed 28' of 8" SDR 26 and encased 20' of it centered at the crossing of the elliptical concrete pipe.

Informational

2 Brice Lawson 11/15/2016 6:49 AM

On 11/11/16 She Digs It installed approx 170' of 8" SDR26 sewer pipe between MH A1 and MH A2.

Informational

3 Brice Lawson 11/16/2016 6:48 AM

On 11/11/16 She Digs It installed the base and barrel section for MH A1 and connected the 8" sewer pipe on the east side of MH.

Informational

4 Brice Lawson 11/16/2016 3:26 PM

She Digs It installed the 8" SDR26 sanitary pipe from MH A2 to MH A3 and installed MH A3.

Informational

5 Brice Lawson 11/18/2016 3:01 PM

She Digs It installed approx. 60' of 4" SDR 26 from MH A3 towards the oil/water

interceptor.

Informational

- 6 Brice Lawson 11/22/2016 6:45 AOn 11/21/16 She Digs It installed more of the 4" SDR 26 sewer lateral pipe between MH A3 and the oil/water interceptor. This pipe ends close to where the oil/water interceptor is prosed to be located.

Informational

- 7 Brice Lawson 12/07/2016 1:57 PM
She Digs It installed MH-A4 and installed the 8" SDR26 sanitary pipe from MH-A3 to MH-A4. The joint between the cone and base was sealed with butyl joint sealant and the outside joint was wrapped. The lift holes were grouted in on MH-A3 and MH-A4. The utility marker tape was installed above the sewer pipe.

Informational

- 8 Brice Lawson 12/13/2016 3:03 PM
She Digs It installed the 4" SDR 26 sewer service line from MH-A4 to the building service line. The connection was made with a Strongback Fernco. This connection is southeast of MH-A4

They installed the 4" SDR 26 sewer service line from MH-A4 towards the connection to the building southwest of MH-A4. This line is capped about 5' short of the building. They are waiting for the building wall to be poured.

Informational

- 9 Brice Lawson 12/15/2016 11:02 AM
The inverts were installed in manholes A2, A3 and A4.

Informational

- 10 Brice Lawson 01/17/2017 3:30 PM
She Digs It damaged the service wye connection to the 8" sanitary sewer main for I believe 1161 SE Hamblen Rd. This repair is located 16' behind the curb on the 8" sanitary main. A 8" by 6" wye, two strongback ferncos and a 6" coupler were installed to make the repair.

Resolved

- 11 Brice Lawson 02/10/2017 7:09 AM
At Casey William's request here is a list of items that remain to be completed on the sanitary sewer construction:

Conect the 4" san. service to the building southwest of MH-A4

Brice Lawson 05/30/2017 4:52 PM

Resolved

Air test the 8" sewer pipe between MH-A3 and MH-A4

Brice Lawson 05/30/2017 4:52 PM

Resolved

San. MH-A1:

- Complete the invert at the connection to the private 8" pipe - Resolved
- Remove debris from the MH - Resolved

- Make the proper adjustments to the invert where it is collecting sediment - Resolved
- The frame has not been sealed
- Verify that the lid is at the proper elevation

Brice Lawson 06/21/2017 7:38 AM

The sanitary frame was replaced and adjusted to match the driveway approach.

Resolved

San. MH-A4:

- Install the proper cover

Brice Lawson 05/30/2017 4:53 PM

Resolved

San. MH-A2:

- Install the proper cover

Brice Lawson 05/30/2017 4:53 PM

Resolved

Informational

12 Brice Lawson 02/21/2017 3:45 PM

She Digs It damaged the 8" sanitary main while trying to locate the main. This repair is located at the point where the south end of the 24" by 38" mitered pipe will be installed at the south entrance to this property. They installed approx. 26" of SDR26 pipe with two strongback ferncos.

Informational

13 Brice Lawson 03/06/2017 4:04 PM

She Digs It encased approx. 100' of the existing 8" sewer line that is located at the future south entrance to this lot. They started this encasement at the north end and worked toward the south. For the first 40' they did not install the rebar as shown on the plan detail. Instead of installing bends on the corners of the transverse rebar they tied the 4 corners together with wire. This was approved by Jeff Thorn as he happened to be on site at the time that this came up. The next 60' of transverse rebar sections were added at 1' O/C. It appeared that the longitudinal rebar was installed per the plan. They used 5K KCMMB concrete mix and 1/2" rebar for the encasement.

Informational

14 Brice Lawson 03/07/2017 12:02 PM

She Digs It installed the remainder of the sanitary sewer encasement under the proposed south entrance. It appeared that the rebar was installed according to the plan. They used 5K KCMMB concrete mix. The length that was encased today was 27'. The total length of the encasement is 127'.

Comments: