
PUBLIC WORKS ENGINEERING DIVISION

Inspection Summary

Permit #: PRPWFC20162083, Public Works Infrastructure Permit - Commercial
WATER UTILITIES FACILITY

Address: 1200 SE HAMBLER 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-Fire Line Construction Inspection Informational	Brice Lawson	Partial	Tuesday, April 04, 2017

- 1 Tthey installed aproximately 50 ft of 6" fire line and 50 ft of 1" domestic copper covered with rock and backfilled. They also did approximatley 50 more feet up to the fire hydrant. They left that open and were not going to backfill. Steve Robbins 11/23/2016 7:31 AM

Informational

- 2 Brice Lawson 11/23/2016 3:22 PM
She Digs It installed the 6" fire line from apprx. STA. 6+00 almost to STA. 9+85.16. This is just north of the 2nd 22.5 bend fitting.

Informational

- 3 Brice Lawson 11/30/2016 12:26 PM
I discussed with Gene Williams that the fire line and the domestic water line that goes to the building will be flip flopped. The 6" fire line will cross the 4" domestic line due to this change.

Informational

- 4 Brice Lawson 11/30/2016 12:28 PM
She Digs It installed approx 45' of 6" C900 waterline at the T at the connection near the backflow vault.

Informational

- 5 Brice Lawson 12/22/2016 3:03 PM
She Digs It installed approx. 100' of 6" C900 fire line towards the building from where they left off previously.

Informational

- 6 Brice Lawson 12/30/2016 3:12 PM
She Digs It installed the rest of the 6" C900 fire line to the building including the riser in the building. They installed the thrust blocks on the T at the fire hydrant and on the fire

hydrant that is on the east side of site.. They installed a thrust block at the connection to the irrigation connection to the 6" dire line. They installed a thrust block on the 90 degree bend at the building and a thrust block on the 90 degree bend at the base of the building riser.

Informational

7 Brice Lawson 01/26/2017 11:48 AM

On 1/14/17 She Digs It removed the 6" gate valve and the short piece of C900 from the T fitting at the 8" main. They installed a 6" anchor spool and attached the 6" valve to the anchor spool. This was done due to the contractor wanting to test this section of water line.

Informational

8 Brice Lawson 02/14/2017 2:52 PM

She Digs It installed approx. 100' of 6" C900 water pipe. This is the fire line. This line was installed from the 6" gate valve at the 8" water main to the backflow preventer and then approx. 20' past the backflow preventer. This line was connected to 6" C900 where they left off previously. Thrust blocks were installed on the tee fitting for the 4" domestic line and on the retiner gland that restrains the DI flange pipe on the north side of the vault. The lower 45 degree bend on the south side of the vault had a thrust block installed below it with two epoxy coated rebars looped of the fitting and into the thrust block. A tracer wire has been installed. and the fittings have been wrapped in the polyetholene encasement.

Informational

9 Brice Lawson 02/15/2017 7:40 AM

She Digs It installed the 6" C900 on the south side of the backflow preventer. This pipe is approx. 4' from the curb inlet just south of the backflow vault. The minimum separation is suppose to be 5'.

I checked with Gene Williams and he stated that this 4' separation is acceptable.

Informational

10 Brice Lawson 04/04/2017 10:16 AM

Evan Dolan with Water Utilities let me know verbally that the new tracer wires located on the new public 12" water main and the new public 8" water main are locatable.

PW-Sanitary Sewer
Construction Inspection

Brice Lawson

Partial

Tuesday,
April 04, 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 proposed 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.

Corrective Action Required

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

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

San. MH-A1:

- Complete the invert at the connection to the private 8" pipe
- Remove debris from the MH
- Make the proper adjustments to the invert where it is collecting sediment
- The frame has not been sealed
- Verify that the lid is at the proper elevation

San. MH-A4:

- Install the proper cover

San. MH-A2:

- Install the proper cover

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'.

Informational

15 Brice Lawson 04/04/2017 10:10 AM

Water Utilities looked at the existing 8" sanitary sewer main that was encased in concrete below the south driveway approach and the new public sanitary sewer manhole located in

the north driveway approach. Josh Roach sent an email stating that everything looked good.

Comments:
