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**PUBLIC WORKS ENGINEERING DIVISION**

## Inspection Summary

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Permit #: PRPWFC20173801, Public Works Infrastructure Permit - Commercial

Residences at Echelon

Address: 3500 SW HOLLYWOOD DR, LEES SUMMIT, MO 64082

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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.

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Inspection Item:

<b>Inspection:</b>	<b>Inspector:</b>	<b>Outcome:</b>	<b>Date:</b>
DEI-Storm - Material Verification	Matt Munger	Partial	Friday, February 02, 2018

Informational

- 1 Matt Munger 02/02/2018 10:30 AM Looked over the storm boxes that were on site, they had the location number tagged on them, etc. They also had the storm box tops laid out with lids. The MH lids were stamped City of Lee's Summit and Storm stamped on them.

DEI-Storm - Sewer Construction Inspection	Matt Munger	Partial	Friday, February 02, 2018
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Informational

- 1 Matt Munger 01/30/2018 10:40 AM While on site I observed Kat workers using a laser to align the storm pipe. They had started installing pipe from CI 1-2 that had been installed on 12/21/17. I observed an adequate amount of gravel below the pipe and on top of the storm pipe. I observed Daniel from Kat using pipe dope on the spigot ends of each section of pipe that was installed. They hadn't installed storm box 2-1. Kat had started on installing storm pipe between CI 1-2 to CI 1-3.

Informational

- 2 Matt Munger 01/30/2018 1:48 PM I observed the Kat workers using a laser to align the pipe from CI 2-1 to CI 4-1. There was adequate amount of gravel below the pipe and storm boxes. They covered the pipe to the top of the trench with gravel then capped over the gravel with dirt. Daniel said they were going to backfill with gravel then cap with dirt until they cut in the road for the curb inlets that crossed over the roadway.

Note: I had pointed out to Daniel earlier in the morning the storm pipe that they had

installed on 12/21/17 that ran from CI 1-2 to where the end section 1-1 was going to be put in: it didn't appear there was on top of the pipe. He stated that when they installed the flared end section he will make sure there is gravel installed.

Informational

- 3 Matt Munger 01/31/2018 10:09 AM The concrete collars and invert for the following curb inlets had been poured prior to my arrival: CI 1-2 Invert and all collars, CI 1-3 outside collar on the west side of the inlet, CI 2-1 north and east outside collars were poured, CI 4-1 outside collar on the west side of the inlet. The collars were smooth and there was enough concrete used to support the pipe. The concrete ticket I gathered from Daniel showed it being a 4000 psi mix. The invert on CI 1-2 was smooth in all directions.

Informational

- 4 Matt Munger 02/02/2018 11:13 AM When I arrived on site, storm pipe from CI 2-1, 2-2 and 2-3 was installed prior to my arrival. They are going to pour the collars later once they get the public line in. The areas that had not been backfilled I observed an adequate amount of gravel above and below the pipe. I observed Daniel using a laser to get the correct elevation shots for CI 2-4. They were digging from 2-3 to 2-4 to be able to install CI 2-4 and storm pipe and the trench for CI 3-1 to CI 2-2.

DEI-Sanitary Sewer  
Construction Inspection

Matt Munger

Partial

Friday,  
February 02,  
2018

Informational

- 1 Matt Munger 02/01/2018 10:00 AM The stub lines for C line were in an had an adequate amount of gravel on top of the pipe. The clean out was installed and had a cap on top. I observed the pipe that was in the ground was the proper type (SDR-26).

Spoke with Justin about doing the testing for the line that was installed. He also stated there was some changes to the long stub line (2nd stub line to the east of Manhole A-2). They were going to try and get the 2 short stub lines in today if possible.

Informational

- 2 Matt Munger 02/01/2018 3:25 PM When I had arrived the 1st and 3rd stub line east of MH A-2 had trench checks in and KC test lab was testing between lifts. I also observed an adequate amount of gravel in place above the stub line. I had asked Justin earlier in the day that I will need a copy of all of the concrete tickets and tickets for the flowable fill.

Informational

- 3 Matt Munger 02/02/2018 11:21 AM I opened up MH A-1 and A-2 to look over the inverts that were poured on 2/1/18. The inverts were smooth and were flowing in the correct direction.

DEI-Erosion Sediment Control  
(ESC) Inspection

Matt Munger

Partial

Friday,  
February 02,  
2018

Informational

1 Matt Munger 12/11/2017 11:54 AM

During my visit I walked along the newly installed silt fence to see that it was installed properly. I observed the fence trenched into the ground and staked. TJ had also extended the fence as an added step to ensure silt does not leave the site.

Informational

2 Matt Munger 12/19/2017 12:50 PM

When I arrived I observed a little bit of mud that had been track on the roadway on Chedington Dr.

I spoke with TJ and Justin and just asked that they make sure to keep the roadway clean and to keep an eye on it.

Corrective Action Required

3 Matt Munger 01/09/2018 11:13 AM

I had noticed that the silt fence on the west side of the property had not been put up after the work that had been done on the storm inlet close to the west side. The silt fence will need to put back up to ensure silt does not leave the site.

Corrective Action Required

4 Matt Munger 01/22/2018 11:07 AM

Spoke with TJ (Luke Draily Construction) on site and had asked him to make sure the silt fence that is down due to prior construction gets put back up. TJ stated he had been calling the ESC company to get out and put it back up and will call them again today.

Informational

5 Matt Munger 01/30/2018 1:46 PM Silt fence was intact and the construction entrance was in good shape. The road was clean and free of any major debris.

Informational

6 Matt Munger 02/02/2018 1:35 PM

The road was clean and ESC was in place.

DEI-Storm - Sewer  
Construction Inspection

Matt Munger

Partial

Friday,  
February 02,  
2018

Informational

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Informational

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gravel with dirt. Daniel said they were going to backfill with gravel then cap with dirt until they cut in the road for the curb inlets that crossed over the roadway.

Note: I had pointed out to Daniel earlier in the morning the storm pipe that they had installed on 12/21/17 that ran from CI 1-2 to where the end section 1-1 was going to be put in: it didn't appear there was on top of the pipe. He stated that when they installed the flared end section he will make sure there is gravel installed.

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- 4 Matt Munger 02/02/2018 11:13 AM When I arrived on site, storm pipe from CI 2-1, 2-2 and 2-3 was installed prior to my arrival. They are going to pour the collars later once they get the public line in. The areas that had not been backfilled I observed an adequate amount of gravel above and below the pipe. I observed Daniel using a laser to get the correct elevation shots for CI 2-4. They were digging from 2-3 to 2-4 to be able to install CI 2-4 and storm pipe and the trench for CI 3-1 to CI 2-2.

Informational

- 5 Matt Munger 02/02/2018 1:35 PM CI 2-4 had been installed prior to my arrival. They had poured the collars and inverts for the following storm boxes before I arrived: CI 2-1, CI 4-1, CI 2-2, CI 3-1, CI 2-3 and CI 2-4. CI 4-2 the collar was poured but not the invert. The inverts that I saw appeared to be smooth and properly formed. The areas around the storm boxes that were not backfilled where the pipe and box meets I could tell there was an adequate amount of gravel above and below the pipe.

On 2/1/18 I had asked Justin to save the concrete tickets or make a copy for our records and make note of where the concrete was used on the tickets. I have only received one concrete ticket so far.

**Comments:**

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