

PUBLIC WORKS ENGINEERING DIVISION

Inspection Summary

Permit #: PRPWFC20173801, Public Works Infrastructure Permit - Commercial

Residences at Echelon

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

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:
DEI-Sanitary Sewer Construction Inspection	Matt Munger	Partial	Wednesday, December 20, 2017

Informational

1 Matt Munger 12/15/2017 2:36 PM

Workers had intalled the private side of the sanitary sewer main from MH A-2 to the 2nd service Wye prior to my arrival. I observed and adequate amount of clean gravel above and below the sewer pipe.

KC Test Lab was on site and the workers were using a vibratory sheepfoot roller over the dirt that had been backfilled from MH A-1 to MH A-2.

I observed the workers using a laser to align the pipe. The backfill dirt piles around the site did not have any large rock or debris in them.

I observed the workers lowering the pipe into the trench in a manner that would not damage the pipe that was being installed.

When the workers were installing the pipe they used pipe lubricant and would seat each joint to ensure a tight seal. I asked Daniel length of pipe they used between the first two Wyes on the private main and he stated 5' of pipe was between the Wyes. I observed them install the 3rd Wye, they beveled the egdes of the pipe that they cut and set the Wye between 30-45 degrees and chocked in rock under the Wye to support it.

Informational

2 Matt Munger 12/18/2017 10:28 AM

Upon my arrival I observed an adequate amount of clean gravel above and below the pipe. I spoke with Daniel and reminded him about making sure they use Utility Marker Tape

18-24" below finish grade for the Public Main. I observed them backfilling and compacting in lifts. Daniel stated they were going to work on getting MH B-1 and MH C-1 set today.

Water Utility workers came out to locate the valves needed to perform a shutdown.

Informational

3 Matt Munger 12/18/2017 1:40 PM

I observed an adequate amount of gravel below MH B-1, the joint between the section was wrapped to seal each section.

I spoke with Daniel about making sure there is 4ft of pipe between Wye's. The service stubs between MH B-1 and MH C-1 (private sanitary sewer) appeared to be close.

Informational

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

Tom and I met with TJ and Justin from Kat Excavation to go over work schedules.

I observed an adequate amount of gravel over the pipe from MH B-1 to B-2. I observed the workers set MH B-2. I observed at least 6" of gravel in place before they set the MH B-2 base. They wrapped the joints between the base and barrel section. I observed Justin backfill and compact in lifts around MH B-1 to approximately Sta. 4+50.

I spoke with the Sam from KC Testing and he stated he was doing compaction tests every 75ft. I asked him to email me the reports for what he had done so far.

Informational

5 Matt Munger 12/19/2017 9:33 AM

When I had arrived I observed MH C-1 in place and had been backfilled prior to my arrival. I observed clean gravel covering the sewer pipe from MH B-1 to Sta. 4+00.

I reminded Justin about using Utility tape 18-24" below final grade for the Public Sewer Main that was installed. We also discussed maintaining a minimum clearance of 18" from the flanges for the Backflow Vault when they start on they get to that point.

Informational

6 Matt Munger 12/20/2017 9:38 AM Upon my arrival I observed an adequate amount of gravel over the sewer pipe that had been laid from MH B-2 to B-3. There was an adequate amount of clean aggregate under MH B-3 as well as the black waterproofing coating on the exterior of the base.

I had noticed the stakes were close together and reminded Daniel that there needs to be 4ft of visible pipe between the manholes, wyes and fittings. When the crew had lowered the section of pipe into the trench I had Daniel put his tape measure on the pipe and the section of pipe between the two Wye's was not long enough. Daniel had another pipe cut and put it back together so 4ft of visible pipe would be between fittings.

I showed Daniel the LS Detail for Sanitary Sewer service stubs to show him where the trench check should be put and asked that he keep the ticket for the Flowable Backfill.

Daniel had asked if they could use concrete and I informed again about using Flowable Backfill and showed him in Section 3500 in LS D&C on page 4 the requirements for Flowable Backfill.

I observed the correct SDR-26 Sanitary Sewer pipe and looked over to see if there were any defects that I could see as well as seeing SDR-26 marked on the Wye's that were laying out.

I also am sending the link to Daniel to the City of Lee's Summit Design and Criteria Manual.

Comments:
