

Date: Tuesday, January 24, 2023

To: Eric Byrd, P.E., BHC Rhodes

From: Gene Williams, P.E.
Senior Staff Engineer

Application Number: PL2023002

Application Type: Engineering Plan Review

Application Name: HCA Lee's Summit Medical Center ASC - Sanitary Sewer Relocation

The Development Services Department has completed its review of the above-referenced plans dated Dec. 21, 2022 and offer the following comments listed below.

- See comments below to determine the required revisions and resubmit to the Development Services Department public portal located at devservices.cityofls.net. Digital documents shall follow the electronic plan submittal guides as stated below.
- Revised plans will be reviewed within ten (10) business days of the date received.

Engineering Review - Corrections

1. Please refer to the supplemental diagram showing the general schematic of the desired sanitary sewer alignment. In addition, please see supplemental plan sheet 15 from the City of Lee's Summit Capital Improvement Project to upgrade the sanitary sewer lines in this area. This sheet should be used to set flowlines for the relocated line and to ensure the crown of the new 12 inch sanitary line is at or below the incoming 8 inch line serving this project.
2. Details shall be required for sealing the existing manhole in the form of a note (i.e., the manhole just south of manhole A1). Is this City manhole number #68-101? If so, please label this manhole with the City manhole number.
3. A trenching and backfill detail appeared to be missing. Please provide a trenching and backfill detail, and ensure it shows the 12 inches of aggregate over the top of pipe.
4. The standard detail for sanitary sewer service connections (i.e., wye connections) was missing. Please provide the standard detail in the plans.
6. North arrow appears incorrect on Sheet 3.

Traffic Review - Not Required

In order to calculate the Engineering Plan Review and Inspection Fee, a sealed Engineer's Opinion of Probable Construction Costs shall accompany your final submittal copies. The itemized estimate (material and installation) shall be sufficiently broken down and shall include the following items, as applicable.

- Public infrastructure, both onsite and offsite.
- Private street construction, including parking lots and driveways.
- Sidewalks located within the right-of-way.
- ADA accessible ramps.
- Sanitary sewer manholes and piping between manholes, including private mains.
- Connection of the building sanitary sewer stub to the public main.
- Waterlines larger than 2 inches in diameter, valves, hydrants, and backflow preventer with vault, if outside the building.
- Stormwater piping greater than 6 inches in diameter, structures, and detention / retention facilities - public or private.
- Water quality features installed to meet the 40-hour extended duration detention requirements.
- Grading for detention / retention ponds.
- Grading to establish proper site drainage.
- Utility infrastructure adjustments to finished grade (i.e. manhole lids, water valves, etc.).
- Erosion and sediment control devices required for construction.
- Re-vegetation and other post-construction erosion and sediment control activities.

Electronic Plans for Resubmittal

All Planning application and development engineering plan resubmittals shall include an electronic copy of the documents as well as the required number of paper copies.

Electronic copies shall be provided in the following formats

- Plats – All plats shall be provided in multi-page Portable Document Format (PDF).
- Engineered Civil Plans – All engineered civil plans shall be provided in multi-page Portable Document Format (PDF).
- Studies – Studies, such as stormwater and traffic, shall be provided in Portable Document Format (PDF).

Please contact me if you have any questions or comments.

Sincerely,

/s/ electronically signed Jan. 24, 2023

Gene Williams, P.E.
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cc: Development Engineering Project File