

Date: Thursday, February 18, 2021

To: SM ENGINEERING
919 W STEWART RD
COLUMBIA, MO 65203

Responses are below in red.

From: Sue Pyles, P.E.
Senior Staff Engineer

Application Number: PL2021056

Application Type: Engineering Plan Review

Application Name: LOT 11 AND 12 STREETS OF WEST PRYOR GRADING - PUBLIC SANITARY

The Development Services Department received plans for this project on February 16, 2021. We have completed our review and offer the following comments listed below.

- Resubmit one (1) comment response letter and one (1) digital copy following the electronic plan submittal guides as stated below.
- Revised plans will be reviewed within five (5) business days of the date received.

Engineering Review - Corrections

1. Add oil/gas well, FEMA, and inspection contact general notes. **Note added to title sheet.**
2. Revise the estimate to match items and quantities in the plans. **Quantities on title sheet revised and estimate adjusted**
3. Clearly show and label property lines. **Property lines have been shown and labeled on Sheet C2.0**
4. Specify the exact connection point location with the existing line by adding dimensions from existing points of reference. **Distance to downstream manhole has been shown Sheet C3.0**
5. Revise the flowline information at MH A-1 in the Profile view. There will be two flowlines in and one flowline out. A 0.5' minimum drop thru the MH is required. **Flowline direction has been corrected.**
6. Verify that all existing elevations shown are field verified elevations. **Elevations shown are from as-built drawings.**

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,

Sue Pyles, P.E.
Senior Staff Engineer
(816) 969-1245
Sue.Pyles@cityofls.net

cc: Development Engineering Project File