

Date: Friday, July 30, 2021

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

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

Application Number: PL2021273

Application Type: Engineering Plan Review

Application Name: LOT 7B STREETS OF WEST PRYOR - PUBLIC SANITARY

The Development Services Department received plans for this project on July 15, 2021. We have completed our review 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 five (5) business days of the date received.

Engineering Review - Corrections

1. General:
 - Submit an Engineer's Estimate of Probable Construction Costs.
 - Show location of all oil/gas wells, or indicate none are present, and cite the source.
2. Remove private sanitary sewer Line C from this set of plans. It will be included with the associated Final Development Plan.
3. Scale back everything not included in this project for clarity.
4. Sheet C3.0:
 - Revise notes, they were apparently from a Branson project.
 - Remove the Line C connection information.
 - There is no information provided to tie the connection info to the Plan & Profile information.
5. Sheet C6.0:

- Include a match line between the two plan views for clarity.
- The City requires a 0.5' drop across MH A-5. Please revise.
- Why is MH A-6 being left 3' above proposed grade?
- Please revise the lane closure note to indicate that lane closures will NOT be allowed during non-working periods.
- The "Future Storm Line" labeled isn't shown.

6. Sheet C8.0: Remove the drop MH detail, it is not used. Include standard details for trenching/backfill, MH kid, MH ring & cover.

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
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cc: Development Engineering Project File