

Date: Wednesday, March 09, 2022

To: DAVID RINNE
SCHLAGEL ASSOCIATES

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

Application Number: PL2021454

Application Type: Engineering Plan Review

Application Name: Pergola Park 5th Plat - Streets, Storm, Mass Grading

The Development Services Department received plans for this project on November 18, 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. Comments on the Engineer's Estimate will be sent in the next few days under separate cover.
2. Include a street sign plan.
3. Please relocate overlapping text on Sheet 12 at Sta. 10+50.00 and Sheet 13 near Sta. 0+00 in Profile views for clarity.
4. Why are all of the storm sewer street crossings using flowable fill? While allowed, it is rarely used for new construction like this due to costs.
5. There are several different pavement sections on this project. Each section (e.g., 26' B-B, 28' B-B, divided), and each will require a typical pavement section. I'll forward an example. This example is just for information, to help explain what is required.

Traffic Review - Approved with Conditions

1. All of the islands within City R/W will require a license agreement to address maintenance responsibility.

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