

Date: Friday, January 13, 2023

To: Doug Ubben
Phelps Engineering, 1270 N. Winchester St., Suite #5878
Olathe, KS 66061

From: Sue Pyles, P.E.
Development Engineering Manager

Application Number: PL2022322

Application Type: Engineering Plan Review

Application Name: Orchard Woods - Mass Grading/Erosion & Sediment Control

The Development Services Department received plans for this project on September 07, 2022. 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. Please note that the grading plan included in this set of plans has been reviewed in general for the overall development. Additional grading comments could be included with the street/storm plan set.
2. Please show and label the sediment basin emergency spillway.
3. Will any turf reinforcement mat be required for stabilization? If so, please show specific location(s) and provide details.
4. Please clarify the Diversion Berm BMP Reference Number and the Existing Inlet Protection symbol near the water tower property entrance.
5. Submit an Engineer's Estimate of Probable Construction Costs.

Traffic Review - No Comments

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.
Development Engineering Manager
(816) 969-1245
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cc: Development Engineering Project File