
DEVELOPMENT SERVICES

Date: Monday, July 17, 2023

To: ENGINEERING SURVEYS & SERVICES
1113 FAY ST
COLUMBIA, MO 65201

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

Application Number: PL2023172

Application Type: Engineering Plan Review

Application Name: Wilshire Hills 4th Plat - Mass Grading and Erosion and Sediment Control

The Development Services Department received plans for this project on June 27, 2023. 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 ten (10) business days of the date received.

Engineering Review - Corrections

1. Turf reinforcement mat is required in all swales and drainage ditches, and along the sides of detention basins. Please revise as appropriate.
2. It was our understanding the detention basin/retention basin was going to be utilized for temporary sediment basin. If so, are skimmers going to be installed? If so, a site-specific design is required for the skimmers. Please evaluate and revise if appropriate.

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 Jul. 17, 2023

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