

**Date:** Wednesday, August 31, 2022

**To:** Julie Sellers  
Olsson Associates

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

**Application Number:** PL2022291

**Application Type:** Engineering Plan Review

**Application Name:** Raintree Village Senior Living-Phase 1: Site Disturbance Plans

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The Development Services Department received plans for this project on August 10, 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](https://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:
  - Please submit the SWPPP and MDNR permit.
  - The grading in this plan set was reviewed for erosion control purposes only.
  - Include standard details.
2. Remove KCMO references in the Erosion Control Phasing Chart Phase D Notes throughout the plan set.
3. The existing sanitary sewer along SW Arborwalk Blvd. does not end within the site as shown. Please revise.
4. Please add a prominent note indicating that any sediment trap must be installed prior to any site disturbance within the tributary area.
5. Please include diversion berm and swale cross sections.
6. It appears that the existing rip-rap near the existing SW culvert will be removed at some point prior to

Phase B. Please indicate on the plan set so there is no confusion during construction of Sediment Trap 1.

### **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**

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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

