

**Date:** Thursday, April 09, 2020

**To:** GBA ARCHITECTS ENGINEERS  
9801 RENNER BLVD  
LENEXA, KS 66219

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

**Application Number:** PL2019334

**Application Type:** Engineering Plan Review

**Application Name:** PARAGON STAR - PUBLIC SANITARY

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The Development Services Department received plans for this project on September 27, 2019. We have completed our review and offer the following comments listed below.

- Resubmit one (1) comment response letter, and one (1) digital copy following 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. The angle between Lines A and LB at MH LB4 must not be less than 90 degrees. Please revise.
2. The future connection at MH A7 will be core drilled and will be included on the future plan set. Please remove the proposed stub.
3. Please reduce the line weight of the proposed grease traps and associated piping, like other items proposed by separate plans are shown.
4. Please verify that wyes and MHs are located with a minimum of 4' between the MH and the EDGE of the wye fitting and also between wye centerlines.

#### **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  
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Sue.Pyles@cityofls.net

cc: Development Engineering Project File