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**PUBLIC WORKS ENGINEERING DIVISION**

**Date:** Thursday, January 11, 2018

**To:**

MATT SCHLICHT

Email: MSCHLICHT@ES-KC.COM

Fax #: (816) 623-9849

CMH PARKS INC

Email:

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**From:** Sue Pyles, P.E.

Staff Engineer

**Application Number:** PL2017186

**Application Type:** Engineering Plan Review

**Application Name:** Manor at Stoney Creek 3rd Plat  
Water Lines

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The Development Services Department received plans for this project on September 01, 2017. We have completed our review and offer the following comments:

**Engineering Review**

1. The proposed water lines are very difficult to see because they blend into other lines, such as lot lines. Please revise the line weights so that the water lines are clearly differentiated from other lines throughout the plan set.
2. Please include the Line 1 stationing in the Line 2 Profile view.
3. Revise the Engineer's Estimate of Probable Construction Costs to include connection to existing, 8" Tee, and 8"x8" Cross. Verify the quantity for Tees/Bends.
4. Label all existing water lines as "Existing."

**Traffic Review**

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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Beginning Monday, May 23, 2016, 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 will not be required for initial application submittals at this time as the plans are subject to change.

Electronic copies shall be provided on CD in the following formats

- Plats – All plats shall be provided in Tagged Image Format File (TIFF) Group 4 compression.
- Engineered Civil Plans – All engineered civil plans shall be provided in Tagged Image Format File (TIFF) Group 4 compression. All sheets shall be individually saved and titled with the sheet title.
- Architectural and other plan drawings – Architectural and other plan drawings, such as site electrical and landscaping, shall be provided in Portable Document Format (PDF).
- Studies – Studies, such as stormwater and traffic, shall be provided in Portable Document Format (PDF).
- It is requested that each plan sheet be a maximum of 2MB.

Please contact me if you have any questions or comments.

Sincerely,

Sue Pyles, P.E.  
Staff Engineer  
(816) 969-1245  
Sue.Pyles@cityofls.net

cc: Development Engineering Project File