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## PUBLIC WORKS ENGINEERING DIVISION

**Date:** Monday, May 21, 2018

**To:**

CMH PARKS INC

Email:

Fax #: <NO FAX NUMBER>

ENGINEERING SOLUTIONS

Email: MSCHLICHT@ES-KC.COM

Fax #: (816) 623-9849

CMH PARKS INC (David Price)

Email: david@summithomeskc.com

Fax #: <NO FAX NUMBER>

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

Senior Staff Engineer

**Application Number:** PL2017184

**Application Type:** Engineering Plan Review

**Application Name:** The Reserve at Stoney Creek 3rd Plat  
Construction Plans

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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 listed below.

- Resubmit three (3) full size sets of plans (no larger than 24"x36") folded to 8-½"x11", 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

1. Sheet C.050: Show the existing stockpile area north of the temporary cul-de-sac and include proposed erosion control measures relating to it.
2. Sheet C. 303: Revise the note at CI 7-3 to "Remove Existing FES and Riprap" and add "Remove and Replace 74.54' – 36" HDPE" pointing to the pipe between CI 7-3 and the existing structure to the south.
3. Remove the sidewalk label on the east side of SW Lodestone Drive on sheets C.200, C.201, C.204, C.205, and C.211 as there is no sidewalk in that location.

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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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 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.  
Senior Staff Engineer  
(816) 969-1245  
Sue.Pyles@cityofls.net

cc: Development Engineering Project File