
PUBLIC WORKS ENGINEERING DIVISION

Date: Thursday, April 19, 2018

To:

ENGINEERING SOLUTIONS

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Fax #: (816) 623-9849

CMH PARKS INC

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From: Sue Pyles, P.E.
Staff Engineer

Application Number: PL2017185

Application Type: Engineering Plan Review

Application Name: Manor at Stoney Creek 3rd Plat - Street, Stormwater, MDP, and ESC

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. The previous submittal showed Line segment 3.4-M1.1 as 18" HDPE in the plan set and 24" in the storm sewer calculation tables, and this submittal shows the segment as 24" in the plan set and 18" in the storm sewer calculation tables. Please reconcile.
2. Please check and revise, as needed, the Engineer's Estimate of probable Construction Costs as follows:
 - Verify quantities for items Paving – Geogrid and Inlet Protection.
 - Verify that the storm sewer pipe quantities are correct based on the previous comment regarding Line 1.

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

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.
Staff Engineer
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Sue.Pyles@cityofls.net

cc: Development Engineering Project File