
PUBLIC WORKS ENGINEERING DIVISION

Date: Tuesday, December 12, 2017

To:

ENGINEERING SOLUTIONS

Matt Schlicht, P.E.

Email: MSCHLICHT@ES-KC.COM

Fax #: (816) 623-9849

From: Gene Williams, P.E.

Senior Staff Engineer

Application Number: PL2017245

Application Type: Engineering Plan Review

Application Name: PARK RIDGE 6TH PLAT - Public Sanitary Sewer Plans

The Development Services Department received plans for this project on November 17, 2017. We have completed our review and offer the following comments:

Engineering Review

1. Please add the existing manhole numbers that will be connected to the new system. This includes #09A-004 at the southeast corner of the cul-de-sac bulb on Bluestone Dr., #09A-001 at the northeast corner of Catalina Ave., and #09A-002 on Seneca Terr.
2. Please move the location of manhole A-2 toward the north, perhaps at the boundary of lots 324 and 325. This will enable the elimination of manhole A-1 further to the north for a net loss of one (1) manhole.
3. Sheet C.402: Manhole A-2 is shown below grade. Please correct.
4. Sheet C.402: Manhole B-3 is shown below grade. Please correct.
5. Detail Sheets: Manhole frame and lid castings were not shown. Please show the manhole frame and lid castings in the details.

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

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 Staff with any questions or concerns you may have.

If you have any questions or comments, please contact me, Gene Williams either at (816) 969-1223 or e-mail to Gene.Williams@cityofls.net.

Sincerely,

Original Signed

Gene Williams, P.E.
Senior Staff Engineer

cc: Development Engineering Project File