

PUBLIC WORKS ENGINEERING DIVISION

Date: Wednesday, September 07, 2016

To:

ENGINEERING SOLUTIONS

Matt Schlicht, P.E.

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From: Gene Williams, P.E.

Senior Staff Engineer

Application Number: PL2016138

Application Type: Engineering Plan Review

Application Name: View High Dr. to Chipman Road Sanitary Sewer (off-site Village at View High)

The Public Works Department received plans for this project on Aug. 30, 2016. We have completed our review and offer the following comments:

Engineering Review

1. Please see comment #11 in the previous comment letter dated July 26, 2016 (hereinafter referred to "comment letter"). This comment was not addressed since there are several additional cross-sections and other information requested by Scott Edgar in an email dated Sept. 2, 2016.
2. Please see comment #12 of the previous comment letter. Manhole A-0 does not appear to be one (1) foot higher than the base flood elevation.
3. Please see comment #13 of the previous comment letter. The reference calls out "see Sheet C.405", but this sheet only includes a standard detail for concrete encasement. As we have stated in previous meetings, this is a special design and a standard detail for concrete encasement will not be adequate.
4. Please see comment #19 of the previous comment letter. The temporary construction easement for grading was not shown on the plans for the area to be graded in the vicinity of the stream crossing.
5. Please see comment #20 of the previous comment letter. A formal waiver request was not provided.
6. Please see comment #21 of the previous comment letter. According to the response to this comment, these plans have not been finalized by the structural engineer. Without a final plan for the design of the concrete slab and sanitary sewer crossing, it is impossible to review the plans.

7. Please see comment #31 of the previous comment letter. The response to comments stated this had been corrected, but it appears it has not. The fall at these manholes (i.e., A-12 and A-13) is the same as the last submittal. A minimum of 0.5 feet is needed.
8. Please see comments #34, #35, #36, and #37 of the previous comment letter. USACE permits, floodplain development permits, no-rise certification for the new concrete slab structure, and acquisition of sanitary sewer easements will be a condition of approval of these plans.

In order to calculate the Public Works' 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 Re-submittal

Beginning Monday, May 23, 2016, all Planning application and development engineering plan re-submittals 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 storm 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) 969-1812 or e-mail to Gene.Williams@cityofls.net.

Sincerely,

Original Signed

Gene Williams, P.E.
Senior Staff Engineer

cc: Development Engineering Project File