

**Date:** Monday, July 17, 2023

**To:** Matthew Kriete  
Engineering Surveys & Services

**From:** Gene Williams, P.E.  
Senior Staff Engineer

**Application Number:** PL2023165

**Application Type:** Engineering Plan Review

**Application Name:** Wilshire Hills 4th Plat - Public Water

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The Development Services Department has completed its review of the above-referenced plans dated Jun. 27, 2023 and offer the following comments listed below.

- See comments below to determine the required revisions and resubmit to the Development Services Department public portal located at [devservices.cityofls.net](https://devservices.cityofls.net). Digital documents shall follow the electronic plan submittal guides as stated below.
- Revised plans will be reviewed within ten (10) business days of the date received.

**Engineering Review - Corrections**

1. Why are there two (2) cover sheets for this project?
2. Please rename the plans "Wilshire Hills 4th Plat - Water Line Extension" or equivalent language.
3. Extend the proposed water main south along the proposed road and connect the 16-inch water main on the south side of Strother Road. An 8-inch main should be large enough if any new building has a similar fire flow requirement as the Phase 3 building.
4. Add DR18 to the note in the profile to say "8" C-900 DR18 PVC.
5. Add the vertical fitting bend angle to the profile, 45 degree bends are typical.
6. Label the easement between Sta. 0+00 and Sta. 3+43. State 10' proposed easement if that is the case.
7. A trenching and backfill detail was missing from the plans. Please develop a trenching and backfill detail based on the Design and Construction Manual (the City does not currently have a standard detail for this), and ensure there is a minimum of 12 inches aggregate on top of pipe in accordance with newer rules from

Jul. 2020.

### **Traffic Review - No Comments**

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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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 shall be provided in the following formats

- Plats – All plats shall be provided in multi-page Portable Document Format (PDF).
- Engineered Civil Plans – All engineered civil plans shall be provided in multi-page Portable Document Format (PDF).
- Studies – Studies, such as stormwater and traffic, shall be provided in Portable Document Format (PDF).

Please contact me if you have any questions or comments.

Sincerely,

/s/ electronically signed Jul. 17, 2023

Gene Williams, P.E.  
Senior Staff Engineer  
(816) 969-1223  
Gene.Williams@cityofls.net

cc: Development Engineering Project File