

**Date:** Tuesday, May 26, 2020

**To:** GRESHAM SMITH  
222 SECOND AVE SOUTH  
NASHVILLE, TN 37201

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

**Application Number:** PL2020090

**Application Type:** Engineering Plan Review

**Application Name:** Firestone - SW Market St - Offsite Public Water Main

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The Development Services Department received plans for this project on May 18, 2020. 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 - Corrections**

1. Please review the previous applicant letter. A separate standalone set of plans is required. This would include a cover sheet, notes, plans, and standard details.
2. A cut-in tee is required at the connection point. Tapping sleeves are not allowed.
3. Two valves are shown at the Summitcrest connection point, but they are not shown correctly. One of the valves should be on the new branch, and one valve must be shown to be installed on the existing branch. In addition, the crossing at Market St. needs to be bored.
4. Please review the previous applicant letter. The letter requested specific call-outs for utility boxes, power poles, etc., along with dimension call-outs. There are certain limits on the distance between these features, and the outside of the water pipe. The concern is that the water main is going to be too close to these features. If during construction it is determined that conflicts exist, then changes must be made to eliminate these conflicts.

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,

/Gene Williams

Gene Williams, P.E.  
Senior Staff Engineer  
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cc: Development Engineering Project File