

Date: Tuesday, July 16, 2019

To: BHC RHODES
Jay O'Dell, P.E.
7101 COLLEGE BLVD, SUITE 400
OVERLAND PARK, KS 66211

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

Application Number: PL2019229

Application Type: Engineering Plan Review

Application Name: TACO BELL WOODS CHAPEL - Public Water Main Relocation

The Development Services Department received plans for this project on July 01, 2019. 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 ten (10) business days of the date received.

Engineering Review

1. Our records indicate the existing water line is 8 inch, not a 6 inch. Are you certain this is a 6 inch water line?
2. Sheet 2: Note #4 discusses bituminous coated fittings and cement mortar lined interior. The City of Lee's Summit requires these fittings to be epoxy-coated. This includes the interior and exterior of all fittings. In addition, the call-out for the specification is incorrect. Please see Section 3901C(5)b for specific call-outs.
3. Why is a different trench being constructed for this water line? As shown, there is not enough horizontal distance between lighting poles and the new water line. A minimum distance of no less than what currently exists is allowed. Typically, for new installations, a minimum of 10 feet is required.
4. Why is the existing ductile iron pipe being called-out as being reused? The City does not allow reuse of ductile iron pipe. New C900 should be specified.
5. Why is a wye connection being proposed at station 0+74?

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

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,

Original Signed

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