

DEVELOPMENT SERVICES

Date: Friday, February 08, 2019

To:

WEST PRYOR VILLAGE LLC

Email:

Fax #: <NO FAX NUMBER>

KAW VALLEY ENGINEERING

Email: HEATHERMAN@KVENG.COM

Fax #: (785) 762-7744

From: Sue Pyles, P.E.

Senior Staff Engineer

Application Number: PL2019006

Application Type: Engineering Plan Review

Application Name: STREETS OF WEST PRYOR - PUBLIC WATERLINE

The Development Services Department received plans for this project on January 11, 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 five (5) business days of the date received.

Engineering Review

1. Submit the Engineer's Estimate of Probable Construction Costs.
2. The Design and Construction Manual Section 6901.E.1.b requires 2 valves at every tee and 3 valves at every cross. Please revise the plans accordingly.
3. Sheet C-3:
 - The Water Line C connection equation doesn't match between the Plan and Profile views. Please reconcile.
 - Revise the size of the Butterfly Valve at Sta. 301+76.90 from 8 to 12 inches.
4. Sheet C-4: Label the water lines in the Plan view.
5. Sheet C-5: Label the water line connection at Sta. 312+21 in both Plan and Profile views.

6. Sheet C-6:
 - Label the water line connection at Sta. 317+02 in both Plan and Profile views.
 - Label the type of valve required at Sta. 319+84.35 and revise the typo in the stationing.
7. Sheet C-7: Label the water line connection to Line A in both Plan and Profile views.
8. Sheet C-8: Revise the detail number for the temporary construction entrance to the APWA detail number for that item and add the detail to the plan set.
9. Sheet C-10:
 - Remove Detail 047 and add the APWA detail for that item to the plan set.
 - Remove Detail WAT-12, there is no backflow prevention device on this project.

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,

Sue Pyles, P.E.
Senior Staff Engineer
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cc: Development Engineering Project File