

DEVELOPMENT SERVICES

Date: Tuesday, October 15, 2019

To: KAW VALLEY ENGINEERING INC
14700 W 114TH TERR
LENEXA, KS 67554

From: Sue Pyles, P.E.
Senior Staff Engineer

Application Number: PL2019186

Application Type: Engineering Plan Review

Application Name: STREETS OF WEST PRYOR - NW PRYOR ROAD SIGNAL IMPROVEMENTS & LANE
WIDENING

The Development Services Department received plans for this project on May 28, 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 - Corrections

1. Verify the estimate items and quantities match the plan set.

Traffic Review - Corrections

1. Sheet 10 should be updated to show current signal design. The reference on Sheet 10 is inconsistent with Sheet 21.
2. Summit Woods Xing Signal: Signal Heads on Pole 1 don't align properly with lanes. The drawing scales a 42' MA on Sheet 21, it's labeled 44' MA elsewhere (Sheet 21 & 22) and 44' MA in the Quantity Tables. Correct the head positions and MA dimension inconsistencies.
3. Summit Woods Xing Signal: Pole 5 has a plan measured 50' MA on Sheet 21 (and the base shown as existing that should be new). On Sheet 22 and Quantities Table, the same pole has a noted 46' MA that plan dimensions at 35' MA. Correct the inconsistencies and formatting.
4. Interconnect Plans and all signal quantity tables have not been fully reviewed; only generally reviewed for obvious errors and constructability issues. Verify correct and consistent information that addresses current and prior comments, City standards and specifications. Plans and Quantity Tables may require revisions based on field corrections, material omissions and construction adjustments as required and approved by the City and Design Engineer that must be reflected on the as-built submittals.

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
(816) 969-1245
Sue.Pyles@cityofls.net

cc: Development Engineering Project File