

Date: Wednesday, February 24, 2021

To: Sam Malinowsky
SM Engineering

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

Application Number: PL2021012

Application Type: Engineering Plan Review

Application Name: Whataburger Decel Lane

The Development Services Department received plans for this project on January 13, 2021. We have completed our review and offer the following comments listed below.

- Resubmit 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. Sheet C5.0: My previous review comment on the pavement detail wasn't clear. All aggregate base must be over the geogrid. Please extend the geogrid to match the aggregate base and reflect that change on the estimate.
2. C7.0: A 0.5' drop thru JB A-1 is required. Please revise.

Traffic Review - Corrections

1. Sheet C2.0 - There's still a plan note that needs to be deleted in reference to Driveway Remove and Replace; or amend the note to read Driveway Removal (Do Not Replace).
2. Sheet C4.0 - There's a new (or pending) Verizon utility enclosure with associated small wireless facility equipment, fiber, power, etc. in the ROW near the improvements that will need review and possible relocation.
3. Sheet C5.0 - There are four plan notes that should be deleted associated with the driveway replacement that was deleted (e.g. four plan notes referencing radii of driveway returns).
4. The Temporary Traffic Control Plan remains inadequate and non-conforming to MUTCD requirements. There cannot be a lane merge taper through an intersection and other intersection movements (e.g. dual

left turn movements) are in conflict with the work zone/lane closure.

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.
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cc: Development Engineering Project File

