

Date: Friday, November 16, 2018

To:

SCHLAGEL & ASSOCIATES

Email: SCHLAGEL & ASSOCIATES

Fax #: (913) 492-8400

From: Gene Williams, P.E.

Senior Staff Engineer

Application Number: PL2018160

Application Type: Engineering Plan Review

Application Name: Oakview Storage Public Traffic Improvements

The Development Services Department received plans for this project on Nov. 8, 2018. 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. A typical section view was provided for the pavement design, but is illegible in terms of field use. Please provide a typical section view which is legible for field use. Please be cognizant that the plans will be used in the field, both by the contractor and the City inspector.
2. It appears the illegible typical section discussed above shows geogrid and/or subgrade stabilization. As discussed in previous comment letters, the new street widening section should match what is existing. Our records indicate the existing pavement section is a 2 inch surface course over a 10 inch base course, on top of a 12 inch compacted subgrade (95% proctor). We show no existing subgrade stabilization or geogrid. Type 5 or 6 asphaltic concrete may be used for either the surface course or the base course. Please show a typical section view on the plans which is large enough to read in the field, and shows exactly what is being proposed. Although not specifically prohibited, subgrade stabilization or geogrid is not necessarily required.
3. The typical section view should also show the typical slope to the nearest tenth. Using nomenclature such as a "quarter inch per foot" is discouraged for the roadway section, especially since this equates to 2.1% slope rather than a design slope of 2.0%.
4. This project's main focus is a turn lane, and the associated paving design associated with it. We feel the typical section view should reflect a widened arterial street section, rather than a full-width arterial street section. In other words, please provide a typical section view of the pavement design for this project,

rather than a generic sketch of a full-width pavement section. It should show the widened street section, along with "greyed-out" existing pavement. This will provide a much better method to convey what is being proposed. As shown, it appears to show a full width arterial street section. The label for this section view should be renamed as "Widened Arterial Street Section View", or equivalent language.

City Traffic Engineer Comments

5. Provide dimensions or station/offset for the removal plan to note the beginning/end limits of the removals.
6. Provide the dimensions or station/offset for the sidewalk construction on the turn lane plan.
7. Add dimension or reference to the start of the solid white line and offset from curb (e.g. show the lane width and reference the PC of Curb Return).

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