**From:** Carrillo, Abiel X.
**To:** "Diane Hoelzer"
**Subject:** H13D106 - AIS Circulation - Stamp 11-15-2016
**Date:** Tuesday, December 27, 2016 3:28:00 PM

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Diane,

This email is being sent in lieu of a letter attached. A response to this email does not replace a resubmittal.

Based on information provided in your submittal received 11-23-2016, the above-referenced Grading and Drainage Plan cannot be approved for Building Permit/Grading Permit and Paving Permit until the following comments are addressed:

1. Provide cross sections for the roadways (preferable), or otherwise make it clear which legs are crowned, and provide elevations for median and sidewalk segments that are not labeled.

2. Clarify the rip rap and low spot for the pond rundown, the sidewalk should not dip down into a rip rap pad.

3. It appears that the northern leg of Eagle Way transitions from crowned section to flat grading near the force main line; the running slope to the roundabout is only about 0.6%, which is difficult to achieve in the pavement. Consider transitioning out of the crown closer to the roundabout.

4. Provide a detail for the rundown, including any ramping from the sidewalk and/or sidewalk culverts intended.

5. On the southern leg of Eagle Way Drive, provide better direction to the Contractor on how to set the elevation of the sidewalk so as to prevent a slope steeper than 3:1. If possible, provide a flatter slope to prevent such a steep drop off from the edge of the sidewalk to the back of the curb.

    a. If 3:1 slopes are found to be necessary, provide designed erosion control (vs only noting that gravel mulch is needed).

6. The median islands should be planned with standard or median curb to better protect pedestrians between lanes at the roundabout.

7. Transition to depressed curb where the flow is conveyed across the pavement, such as around the curve from Eagle Way to Turquoise Street.

8. Some of these comments can be addressed with a work order Set if Turquoise and Eagle Way will be public streets.

9. If not done so already, an approved ESC Plan will be required prior to Hydrology's approval.

Any question just let me know.


## Abiel Carrillo, PE, CFM

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