From: Carrillo, Abiel X.
To: "Graeme Means"
Subject: J08D003A - Prototype k-8 @ Educational Corridor
Date: Tuesday, October 11, 2016 10:38:00 AM

Graeme,

This email is being sent in lieu of a formal letter attachment to help expedite the review of initial submittals.

Based on the information provided in your submittal dated 8-24-2016, and received 8-26-2016, the above-mentioned Grading and Drainage Plan cannot be approved for Building Permit until the following comments are addressed:

1. The plan should specify sizes of manholes (or where they deviate from the standard 4' size). For example, some, such as the manhole just west of the roundabout on Sheet CG-104, may need to be 6'.

2. The invert of the stub (note 22) on CG-104 is set lower than the manhole "out" invert.

3. Several manholes include "IN" and "OUT" inverts, but connect more than 2 pipes.

4. One of the features of the legend shows base course, but in most cases it appear that the intent was to propose rip rap.

5. Provide guidance to the contractor regarding type of rip rap to be used, and thickness/section when swales are proposed.

6. The rip rap pads at the outlets into the larger pond should be planned as energy dissipaters (splash basin, or other similar method). The City is encouraging designers to implement strategies from the Denver Urban Design Guide http://udfcd.org/criteria-manual , see Vol 2 Section 3 Pages 60-83

7. Sheet CG-105

    a. The strip between Tierra Pintada and the entrance road needs to be graded to drain to the pipe invert (Note 25/23/16). It appears to be placed on a slope.

    b. 1:1 slopes are too steep.

8. The design and placement of cobbles by the landscaper (as proposed), should be designed and spec'd by the engineer. River run cobbles placed for the purpose of landscaping may not offer proper erosion control protection.

9. Should the stub on CG-103 be extended all the way to Mirehaven Parkway? How is this stub activated in the Master plan?

Any question just let me know.

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