From: Carrillo, Abiel X.
To: Hiram Crook
Subject: Puerta del Bosque - G12D035 - Stamp Date 10-28-2016
Date: Wednesday, November 23, 2016 3:23:00 PM

Hiram,

This email is being sent in lieu of a formal letter attached to help expedite initial reviews. A response this email will not replace a resubmittal.

Based on the information provided in your submittal received 11-1-2016, the above-referenced Grading and Drainage Plan cannot be approved for Preliminary Plat and ESC Grading Permit until the following items are addressed:

1. Include the AHYMO analysis associated with the project.

2. The analysis for the outfall needs to be fully described with this submittal:

    a. Information for the new manhole, (invert, grate elevation, etc.)

    b. Calculations for the outfall pipe.

    c. At least a conceptual assessment of the feasibility of crossing so many utilities with the 24" RCP that are expected to be shallow on Campbell Road.

3. The proposed slope across the lots of 0.6% is difficult to achieve. Consider increasing the slope. (Recommendation)

4. Specify how the Stormwater will be conveyed through the rear lot walls into the Open Space, and show invert elevations of said design element (e.g. elevation of turn block invert)

5. Although the plan complies with the "Valley Area Design" of limiting the discharge onto the right of way, the plan should provide a general assessment of the pipe under Campbell Rd. Keep in mind that the discharge limitation is a general guideline given the general conditions in the valley areas. It is not a guarantee that the accepting facility has that exact capacity. In other words, will the HGL (or best estimate of the HGL) adversely affect the site, given that the elevations of the project are generally lower than Campbell Rd?

6. An ESC Plan will need to be approved prior to approval for Grading Permit (if you haven't submitted one yet).

The City is closing early today (at 3, but I wanted to get this out to you), if you have any question or want to discuss the last comment, just give me a call on Monday.

Hope you have a Happy Thanksgiving,

Abiel Carrillo, PE, CFM

Principal Engineer - Hydrology

Planning Department

Development Review Services Division

City of Albuquerque

505-924-3986

acarrillo@cabq.gov

600 2nd Street NW

Albuquerque, NM 87102