From: Carrillo, Abiel X.
To: "Fred Arfman"
Subject: H15/D065 Conceptual Plan - Galles
Date: Friday, November 18, 2016 2:29:00 PM

Fred,

We reviewed the conceptual plan referenced above. Since it was just submitted for approval of the concept, I will save this email to note in the file that the concept appears to be acceptable. See below for notes for the Building Permit submittal. Paul Olson is helping me review some preliminary plans since we are understaffed at Hydrology..

1. The NMDOT's Drainage Section would need to approve the increase in discharge into the I-25 system, especially if it is not allowed/accounted for in any drainage masterplan for that vicinity. Please include applicable masterplan excerpts if they are available.

Abiel Carrillo, PE, CFM

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From: Olson, Paul L.
Sent: Friday, November 18, 2016 1:17 PM
To: Carrillo, Abiel X.
Subject: H15/D065 COnceptual Plan

Abiel,

Since this is a conceptual plan I did not check all calculations and not all required grading and infrastructure is shown at this point. I do have the following comments:

1) NMDOT right of way and other easements should be shown
2) Currently it appears that much of the site drains directly west to a pipeline that has had a history of failing so controlling this sites drainage will benefit the frontage road
3) Making sure to get a good water block at the north entrance is critical. Also making sure that the layout of the western ADA ramp at this entrance may require slight adjustments from a standard design to keep water in the street from running up the ramp and eroding behind the curb. ADA Ramp direction or valley gutter direction should achieve this.
4) Ensure that the slope along University and especially at the southern end is not steepened such that the proposed sidewalk would be steeper than the running grade of University.

This may require changes to sidewalk layout.

5) Please note that the southern slope of the site currently erodes into the neighboring lot to the south. This may make the proposed swale at the foot of this slope difficult to maintain. Providing more drainage control above this slope and will limit the maintenance to the swale and also flooding if it fails. I could not tell what was planned for the area above the slope. It appears it may be parking or pavement.
6) The area north of the proposed southern first flush pond will require erosion protection and possibly water collection. It may benefit the project if this area is not planned for development to utilize this area for first flush detention/retention. This may decrease the size of the first flush pond at the southern corner.
7) This project will likely need new connections to the stormdrain system and not rely on the grate inlet to the south of the southern pond.
8) Southern pond may require protection to existing stormdrain infrastructure.

Thanks,

Paul Olson
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