From: Abiel X. Carrillo
To: "Michael Balaskovits"
Subject: J08D002A - Westside Regional Baseball Complex - Stamp Date: 1/27/16
Date: Monday, February 15, 2016 3:37:00 PM

Mike:

This email is being sent in lieu of an attached comment letter in order to expedite the response for intermediate reviews. Responses to comments should continue to be included in a re-submittal. A reply to this email with responses to comments will not be considered a re-submittal.

Based upon the information provided in your re-submittal received 1-27-16, the above referenced Drainage Analysis Report was approved for **Site Plan for Building Permit**. The plan is approved for **Site Plan for Subdivision**, please provide a full size, updated Site Plan that shows the On-Site improvements when submitting for DRB action (the Exhibit included in the DAR appears to show outdated features, such as the 54" line under the parking lot).

The following comments will need to be addressed to support the review of the **Infrastructure List** and for **Work Order** approval:

1. The offsite Basin delineation excludes the two "interim condition" basins that are naturally routed through two arroyos into Pond 5S as roughly approximated below. The as-built drawing for the pond (and the report) shows that they carry a 100-yr peak flow of 30 cfs and 60 cfs.

   a. The onsite grading improvements and offsite "interim condition" improvements do not address how these flows are routed through the site in the interim condition. Furthermore, the conceptual layout and grading plan for 118th Street does not show how the flow in the arroyos is managed, but it would be anticipated that they would be

concentrated through culverts in the “ultimate condition”. A future submittal that further addresses on-site improvements is expected prior to Building Permit approval, but the management of these flows needs to be understood.

b. The onsite grading exhibit implies that the grouted rip-rap rundown and the triple pipe inlet into Pond 5S are to be removed and replaced with sloped grading (for surface flow into the Pond?), which needs to be addressed in relation to the previous comment.

c. The “ultimate condition” exhibit should also conceptually address the comments above.

2. The Report mentions that in the “ultimate condition”, the Mirehaven Arroyo is proposed to be passed through the site with a 54” line. There is not enough information to accept the feasibility of that proposal at this time. A future submittal for the future phase would need to be reviewed.

3. The Report mentions that the offsite interim condition detention pond was sized using XPSWMM, and that the hydrograph was routed through the proposed 66”-54” network to the existing 54” stub. Exhibits from the model should be included in the report to support the sizing conclusions (e.g., if the AHYMO program was used, the output text file would be included).

   a. Why is a 66”-4.12% slope outlet from the pond needed, if it ties to a lower capacity 54”-3.25% line?

   b. Show the preliminary HGL through the new network.

   c. The emergency spillway is mentioned but not shown in the grading plan. Calculations that support its dimensions should also be included.

   d. The northernmost training dike should be rotated counterclockwise about 45-degrees to avoid a perpendicular alignment with the arroyo it intends to re-direct.

   e. How long does the pond take to drain?

   f. Label the storm drains, pond information, and missing basins on Exhibit 1. This Exhibit should be the most comprehensive of the report. This would match the format used in the supporting reports from 2012 by BHI.

4. What is proposed to prevent large organic debris from collecting at the detention pond outlet? We concur with the proposal to surround the outlet of the pond with fencing, and the facility needs to be planned to withstand some lateral force when large debris is pushed against it during larger storms.

5. Provide a full size format print of Exhibits 7 and 8 in the report. The profiles are not legible.

6. Informational Comment: A floodplain permit will be needed prior to any grading of the site.

If you have any question or want to set up a meeting to go over any of the comments just let me know.

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