

Cherne, Curtis

From: Cherne, Curtis
Sent: Friday, September 26, 2014 1:01 PM
To: 'Matthew Satches'
Subject: RE: Sportsplex Discussion

Matt,

It looks pretty good. The only thing I'm seeing is the erosion at the downstream end of the culvert and the light pole foundation is in the channel.

I agree that "discharging along the historic flow path at undeveloped peak flow rates is the best solution."

Curtis

From: Matthew Satches [<mailto:msatches@bhinc.com>]
Sent: Wednesday, September 24, 2014 10:44 AM
To: Cherne, Curtis
Cc: Bruce Stidworthy
Subject: Sportsplex Discussion

Good Morning Curtis,

I thought I would follow up regarding our conversation last Wednesday (9-17-2014). We submitted to DRB and are scheduled to be heard on October 8th. We have yet to formally submit to Hydrology as we hadn't figured out our outfall location.

From our discussion it was determined that we would be allowed to follow the historic flow path and discharge onto the adjacent property to the West minimizing historic peak flows and flow characteristics as much as reasonably possible. This was assuming that the downstream culvert and swale were in good condition. After visiting the site, it appears that the property downstream is functioning as designed and in good working condition. Please see the pictures below in support of that conclusion:

Upstream view of existing culvert:



Image looking downstream through culvert:



Downstream view of existing culvert:



Image of the existing downstream swale:



Image looking upstream at existing 42" outfall with existing swale:



Existing parking lot downstream of site:



From the images above, it would appear the site doesn't have any issues (other than some minor erosion) with the existing historic flow path as the conditions appear to match the grading plan. Based on our discussion and field visit documented above, we believe that discharging along the historic flow path at undeveloped peak flow rates is the best solution. Please let us know as soon as possible if you have any concerns. We plan to submit our grading and drainage plan to city hydrology within the next few days.

Thanks again for your time Curtis, and we look forward to hearing from you.

Matt Satches, E.I.

Engineer Intern
Community Development & Planning

Bohannon  Huston

Courtyard I
7500 Jefferson St. NE
Albuquerque, NM 87109-4335
www.bhinc.com

voice: 505.823.1000 **facsimile:** 505.798.7988 **toll free:** 800.877.5332

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