

## URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

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October 3, 2017

### UDFCD Maintenance Eligibility Program Referral Review Comments

Project: **Trails at Crowfoot Filing 1**  
Stream: **Lemon Gulch**  
UDFCD MEP Phase: **Design**  
UD MEP ID: **106912**

Dear **Ms. Stacey Neger**,

This letter is in response to the request for our comments concerning the referenced project. We appreciate the opportunity to review this proposal. We have reviewed this proposal only as it relates to major drainage features, in this case:

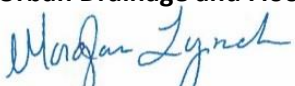
- Outfall at Lemon Gulch

We have the following comments to offer:

1. Please add the following note to the construction plans:  
*The Urban Drainage and Flood Control District will conduct site visits during the project construction within or near the channel to observe construction for conformance with the approved plans and specifications. Please contact Mike Sarmiento, UDFCD construction manager (303-455-6227), [msarmiento@udfcd.org](mailto:msarmiento@udfcd.org) to schedule a preconstruction meeting. All structural and grouted boulder work require 48-hours prior notice to any construction or concrete placement. Standards and specifications for all outfall and channel work can be accessed at [www.udfcd.org](http://www.udfcd.org) under the References section. Failure to notify may result in project ineligibility.*
2. For the 48" RCP discharging into Lemon Gulch, please include a plan and profile with flow, velocity and Froude Number at the proposed outfall. Please extend the profile to the centerline of the major drainageway.
3. Please provide details for the FES, detailing the cutoff wall, and proposed soil riprap.
4. Please confirm the riprap proposed at the outfall is sized for hydraulic conditions in Lemon Gulch. Type VL may be easily moved under minor storm conditions by the flow and velocity in Lemon Gulch.

Please feel free to contact me with any questions or concerns.

Sincerely,  
**Urban Drainage and Flood Control District**

  
**Morgan Lynch, PE, CFM**  
Watershed Services Program