



URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

Ken MacKenzie, Executive Director
2480 W. 26th Avenue, Suite 156B
Denver, CO 80211-5304

Telephone 303-455-6277
Fax 303-455-7880
www.udfcd.org

December 26, 2017

UDFCD Maintenance Eligibility Program Referral Review Comments

Project: **Parker Pointe**
Stream: **Kinney Creek**
UDFCD MEP Phase: **Design**
UD MEP ID: **106644**

Dear **Mr. Paul Workman**,

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:

- Kinney Creek and Kinney Creek and Fonder Draw Outfall Systems Planning (OSP) Report (2004)

We have the following comments to offer:

1. Please determine if the improvements in the OSP are needed at this time. The OSP had recommended stream stability measures be implemented in Kinney Creek. We recommend that the stream stability be evaluated with adjacent development to determine the impacts to the stream with the change in hydrology and disturbance in the floodplain.
2. Clearly show the existing and proposed 100- year floodplain in the drainage report. The drainage report stated that grading was proposed in the floodplain but it is unclear what those impacts are to the floodplain or where they occur.
3. UDFCD would recommend a controlled spillway for the proposed detention pond. Any areas that could be engaged during a flood event should be identified and stabilized accordingly.
4. Please include the following note on the construction documents:
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 UDFCD (303-455-6227), 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 under the References section. Failure to notify may result in project ineligibility.

5. In the construction drawings provided it is unclear where the proposed outfall to Kinney Creek is located. Please clearly show this outfall as it relates to the creek. The profile should extend to the centerline of Kinney Creek with the 100- year WSEL for the creek shown on the profile.
6. Please show the flow, velocity and Froude Number for the outfall pipe on the construction plans.
7. Please provide outfall protection for the proposed outfall as needed. Supporting calculations should be included in the drainage report.

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