

URBAN DRAINAGE AND FLOOD CONTROL DISTRICT

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July 5, 2018

UDFCD Maintenance Eligibility Program Referral Review Comments

Project: **Parker Pointe**
Stream: **Kinney Creek**
UDFCD MEP Phase: **Design**
UD MEP ID: **106995**

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

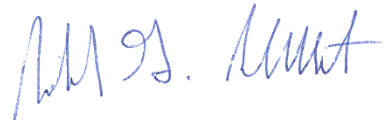
We have the following comments to offer:

1. The Kinney Creek and Fonder Draw Outfall Systems Planning (OSP) Report (2004) recommended stream improvements be made adjacent to this development. Determine if these improvements are needed at this time. I look forward to meeting and discussing Kiowa's recommendation as indicated in the Perception Design Group's comment response dated June 2, 2018.
2. The development includes work in the floodplain. A local floodplain development permit is needed for this work.
3. Evaluate development's detention pond spillway to insure flows from Kinney Creek remain in the Creek during the 100-year recurrence interval.
4. The Pipe Outfall to Kinney Creek should conform to Volume 2, Chapter 9, Section 3.0 of the UDFCD Criteria Manual. Hydraulic information included for outfall pipe shows super critical flow. Method used in drainage study requires a $Q/Dc^{1.5}$ of 6 or less; it appears that this outfall doesn't meet this criteria. No backup information was provided to establish tailwater depth for analysis. Include appropriate design of outfall protection and supporting calculation in the Drainage Study.

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

Sincerely,

Urban Drainage and Flood Control District



Richard G. Borchardt

Stream Services Program

Cc: Jacob James, Stormwater Manager – Town of Parker