

## MAINTENANCE ELIGIBILITY PROGRAM (MEP)

### MHFD Referral Review Comments

For Internal MHFD Use Only.	
MEP ID:	106582
Submittal ID:	10006646
MEP Phase:	Referral

**Date:** July 20, 2021  
**To:** Town of Parker  
*Via email*  
**RE:** MHFD Referral Review Comments

<b>Project Name:</b>	SP21-028 Compark Village South Belford Avenue
<b>Location:</b>	South of E-470 at Happy Canyon Creek
<b>Drainageway:</b>	Happy Canyon Creek

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

- 18" FES Outfall into Happy Canyon Creek

We have the following comments to offer:

- 1) With respect to the pipe outfall:
  - a. Please extend the profile to the invert of Happy Canyon Creek to better understand the outfall conditions.
  - b. Verify the HGL's on the profile and add a label to the profile that lists the Q, V, and Fr.
- 2) Provide supporting calculations associated with the outfall protection and energy dissipation for the proposed outfall. Note that shear stresses from flow in receiving stream may dictate the riprap size for the outfall.

We appreciate the opportunity to review this proposal. Please feel free to contact me with any questions or concerns.

Sincerely,



**Kurt Bauer, P.E., CFM**  
Project Manager, Watershed Services  
Mile High Flood District  
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