

October 25, 2017

Ms. Stacey Nerger
Town of Parker
20120 E Mainstreet
Parker CO 80138

Re: Trails at Crowfoot Filing #10 Project #SUB17-050
Final Plat 1st Referral
PWSD Project #2017-081

Dear Ms. Nerger:

Thank you for forwarding the referral request for the above mentioned project. After a review of the documents submitted, the Parker Water & Sanitation District has the following comments:

- Submit an executed Standard Improvement Agreement with all required exhibits.
- A wet stamped and signed Engineers Estimate with a 20% contingency must be submitted for verification and District approval. The approved document will be an Exhibit for the Standard Improvement Agreement and Letter of Credit.
- A letter of credit or Cash in Lieu based on the approved Engineers Estimate must be submitted before final approval is granted.
- A copy of the signed/recorded Final Plat must be provided to the District prior to construction plan approval.
- List all fittings on overall utility and plan and profile sheets with numbers (man holes, blow offs, gate valves, butterfly valves, fire hydrants, air release valves, tie in locations, etc. i.e. TC-GV1 or TC-MH1).
- On the legend the symbol for gate valves does not match the one shown in the plans, please ensure all legend symbols match what is called out in the plans.
- Please call out water and sanitary sewer service stationing or add a stationing table to the plans for the service lines.
- Please call out fire hydrant and Air Vac numbering in the profile.
- The high point in the water main will require air-vac valves to be called out in the plan and profile sheets and installed to PWSD standards. Please see PWSD water specification section 4.2.6. 2008 specification manual or 3.2.6 2017 specification manual.
 - On sheet 12 please callout an Air Vac at the high point approximately at STA 11+10 on the WL.
 - On sheet 14 please callout an Air Vac at the high point approximately at STA 11+00 on the WL.
 - On sheet 17 please callout an Air Vac at the high point approximately at STA 13+00 on the WL.

- No more than one fire hydrant and/or 15 lots may be out of service with the closing of two or more valves.
 - On sheets 3 and 12 on BeeBalm Ave an additional gate valve will be required between FH TC-HA59 and FH TC-HA60.
 - On sheets 3 and 17 on CrownVetch Cir an additional gate valve will be required at approximately STA 16+10.
 - On sheets 3 and 18 on Gray Aster Loop an additional gate valve will be required at approximately STA 14+25.
- PWSD does not permit bends on sanitary sewer service lines under pavement in ROW. Please note up to three bends are permitted outside of ROW.
 - On sheet 5, 6, 9, 10, and 11 there are multiple lots with bends under the street on the sanitary sewer service lines, please revise.
- Please note Sewer services may not enter into inline manholes. They must be a minimum of 7-feet from the center of manholes. On sheet 11 Lots 13 and 14 the wye appears closer than 7 feet to the manhole.
- On sheet 10 please callout the fire hydrant crossing in the profile.
- On sheet 10 please callout the 8" sanitary sewer main crossing in the profile.
- Please note all fire hydrants deeper than 6' will require a vertical shoe or a deep bury hydrant, please call out accordingly.
- Please add all necessary PWSD details sheets to the plans. For example PWSD sanitary sewer detail sheet S3.5 Cast in Place Manhole Base Detail is missing.
- Please ensure neighboring filings are identified in the overall utility plan.
- Please appropriately shade all filings not in filing 10.
- Please note PWSD will not grant probationary acceptance or approve a building permit on filing 10 until probationary acceptance is granted on filing 1 and 9.
- On the irrigation plan please callout what filing is supplying filing# 10 irrigation water.
- Please note that PWSD has listed multiple comments based on our specification for this review. Please note that it is the engineering firm's responsibility to ensure that all water and sanitary sewer plans conform to PWSD specifications. All comments must be addressed with a response letter during the next submittal.

Please let us know if you have any question on the above comments. We look forward to the final submittal on this project.

Sincerely,
Parker Water & Sanitation District


Drayton Sanderson
Engineering Technician

PWSD