

October 18, 2017

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

Re: Trails at Crowfoot Filing #6 Project #SUB17-047  
Final Plat 1<sup>st</sup> Referral  
PWSD Project #2017-076

Dear Ms. Nerger:

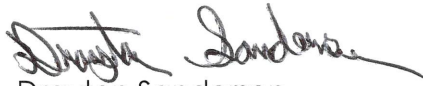
Thank you for forwarding the referral request for the above mentioned project. After a review of the documents submitted, the Parker Water & Sanitation District has the following comments:

- 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.
- 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 7 on Hop Clover St an additional gate valve will be required between FH TC-HA45 and FH TC-HA22.
  - On sheets 3 and 8 on Hop Clover St an additional gate valve will be required between FH TC-HA25 and FH TC-HA44.
  - On sheets 3 and 9 on Shasta Daisy Ln an additional gate valve will be required between FH TC-HA26 and FH TC-HA20.

- 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 9 please callout an Air Vac at the high point approximately at STA 15+00 on the WL.
- PWSD does not permit bends on sanitary sewer service lines under pavement in ROW.
  - On sheet 5 lot 9 on Hop Clover St there is a bend under the street on the sanitary sewer service lines, please revise.
- On sheet 5 please consider shortening the distance between manholes 5 feet (there is over 400' between manholes) then tie lot # 5 sanitary sewer service into the manhole to avoid a bend in the street. PWSD allows up to 2 services to tie into a dead-end manhole.
- On sheet 5 please callout stationing for the manholes, they are called out as ????.
- On sheet 7 please callout the station number for the proposed bend rather than ????.
- 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.
- On the irrigation plan please callout what filling is supplying filling #6 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**