



January 17, 2018

Project: *Sunset Equestrian Subdivision, Phase 1.*
Re: *Review memo sent on October 10, 2017*

We greatly appreciate your review of the improvement plans. We are responding, as seen below, to the Weber County Engineering Division's posted comments dated October 10, 2017. Please note that our numbering reference system corresponds to your comment numbering system.

1. The Contractor and/or Developer will be responsible for a SWPPP plan and UPDES permit as required in addition to the exhibit and details shown on sheets 11 and 12.
2. In our cross-section profile we have added a note to meet APWA standards.
3. Sewer district annexation is acknowledged and is in process with appropriate parties.
4. The 50' cross-section is not used in Phase 1 and has been removed from details.
5. The area in front of Olivia Subdivision is in the process of being dedicated to other parties and thus roadway improvements will not be a part of this subdivision.
6. The gas line is located on the West side of the road. The secondary water line has been relocated to be between culinary and sewer lines avoiding gas line conflicts.
7. Sewer laterals have been verified to not conflict with other utilities along 4300 West.
8. A note is now included for patches to be a "T patch" method. Sheet 2 Utility note 22.
9. Where there is a distance less than 50' between trenches for laterals or utilities crossing the roadway, trenches were combined into a single asphalt patch section.
10. SDMH #1 stationing and offset have been corrected.
11. We have re-evaluated the entire system due to cross slopes for item #14 and will be tying into the existing 18" line in front of lots 1-3 further downstream by re-laying pipe to maintain existing positive slope.
 - a. Runoff generated up to sta 18+71.61 = 1.49 cfs, pipe capacity = 2.22 cfs.
12. The plans now reflect for any RCP being installed to be bedded with gravel.
13. The planning department and developer are working to acquire will serve letters from all utilities servicing the subdivision.
14. We have corrected where needed to ensure cross-slopes are between 2% and 4%.
15. Northbound 12" pipe flow needed = 0.53 cfs, provided = 1.01 cfs. Southbound 12" needed = 0.99 cfs, provided = 1.97 cfs.

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16. Hooper Irr. has approved the use of any pipes, preferably RCP, if each pipe replaced maintains existing capacity. Per Greg Seegmiller (engineering consultant for Hooper Irr.) (801) 547-0393 and Dave Favero (Taylor Gate Master) at (801)544-6103. Hooper Irr. wants the pipeline on the west side to be replaced where needed to maintain 2' of cover while maintaining flow and no low/sag spots. Are still in collaboration with them to finalize their plans and not be in conflict with other utilities or improvements.
17. The stationing for C.Box #1 (referring to Combo Box) has been corrected.
18. In acquiring the irrigation pipeline information, the boxes were locked and the irrigation company could not provide sufficient information. If needed to be reconstructed, it will be installed under the direction and instructions of Hooper Irrigation Co. and their engineer. See note 16.
19. The irrigation line being replaced is an existing 18" line, we are lowering where needed to avoid other utility and laterals conflicts. It will have a positive slope and be coordinated with Hooper Irrigation Co. See note 16.
20. The line is a 24" as confirmed by Hooper Irrigation, survey, and field visit.
21. See note 9 above.
22. As noted in 6 above, the secondary water line was relocated away from the gas line and now the loop is no longer required over the sewer line.
23. CB referred to catch basin and similarly C. Box referred to Combo box: consisting of manhole and catch basin. We have renamed the catch basins as C. Basin to avoid confusion and it is now explicitly shown in the legend on sheet 2.
24. As seen on sheet 2 a detail for L-Type curb has been added and notes updated so high back (L-Type) curb to be installed on 4300 West & 2200 South. Transitions were also added between 4300 West and the proposed 2000 South street which has modified curbs. Flow lines at the transition were added to show positive slope.
25. In accordance with items 11, 14, and 15, an additional catch basin will be installed.
26. We appreciate catching of the missing label, which is now reflected on plans.
27. Please see note 23 above.
28. With relocating of secondary water line on 4300 West and combining lateral trenches, there is significantly less trenching and less cutting of existing asphalt (including t-patching and sawcuts for clean edges), therefore a chip seal treatment should not be required. We have noted and are requiring the contractor to tack seal all edges when replacing or adding new asphalt along existing pavement.

Reeve & Associates, Inc.



We appreciate your review and trust we have changed and/or clarified all of your comments. If you have any questions, or we can be of further assistance, please let us know.

Sincerely,
Reeve & Associates, Inc.

A handwritten signature in blue ink, appearing to read 'Nate Reeve', enclosed in a thin black rectangular border.

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