



March 10, 2014

Dana Shuler  
Weber County Engineering

**Project: Mallard Springs**  
**Re: Weber County Engineering Division**

Below please find our response to your Miradi posted comments dated March 10, 2014. Please note that our numbering reference system corresponds to your comment numbering system.

Improvement Plan Responses:

1. Approval Letters will be provided once they have been obtained.
2. General Sewer design has been updated as follows.
  - a. The sanitary sewer pipe has been updated to be ASTM D3034 SDR 35.
  - b. The 10" to 8" transition has been eliminated upstream.
  - c. The sewer line in 4300 W has been upsized to a 12" line.
3. Proposed contours have been provided.
4. Sewer, Water and Irrigation laterals have been shown.
5. Fences along the irrigation ditches that fronts the Mallad Spring subdivision have been shown.
6. The storm Drain/Retention ponds have been updated as follows:
  - a. The specific size and type of catch basin has been shown for each catch basin.
  - b. Grading, infrastructure, and pipe information has been provided.
  - c. Retention Calculations have been provided, with 0.00 cfs release rate.
  - d. Percolation test have been provided.
  - e. The retention ponds have been designed to hold 100% of the 100-year storm, with a minimum freeboard of 1'.
7. Sheet 1
  - a. The sheet index map has been updated to include off-site sewer.
8. Sheet 2
  - a. Note 1 has been updated.
  - b. Road Section has been modified.
  - c. Road Section has been modified.
9. Sheet 3
  - a. The existing utilities have been potholed and surveyed and included on the profile sheet.
  - b. Passing spaces are provided.
  - c. ADA ramps are called for at all intersections.
10. Sheet 4
  - a. Sewer plan and profile has been modified to show accurate information.

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- b. Noted, sewer termination point has been moved.
- c. The SD line into the retention pond has been included.
- 11. Sheet 7
  - a. Profile has been updated to show the utilities that will be required.
- 12. Sheet 8
  - a. The water line ends temp plug w/ 2" blow off upstream of the fire hydrant.
  - b. Secondary water line has been labeled.
  - c. The SD line into the retention pond has been included.
  - d. Calculations have been provided.
- 13. Fencing has been shown, easement to be provided.
- 14. Sheets 11, 12, & 13
  - a. A minimum of 30" of cover is to be maintained over the new sewer line. A note has been added requiring the 30" cover.
- 15. Sheet 12
  - a. The utilities and crossing have been shown. The ex. sw and gas will need to loop under the proposed sewer to provide a min. of 1' separation.
- 16. Sheet 13
  - a. The overlay (on sheet 14) has been updated.
- 17. Sheet 14 & 15
  - a. The redlines have been incorporated into the updated plan set.

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 black ink, appearing to read 'Nate Reeve', is written over a horizontal line.

Nate Reeve, P.E.  
Principal Engineer  
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