



NOLTE VERTICALFIVE

Rochelle Pfeaster
Weber County Engineering Division
2380 Washington Blvd. #240
Ogden, UT 84401

RE: West Weber Elementary School Engineering Comments

Ms. Pfeaster,

The following are comments and responses pertaining to the civil engineering plans from your review received on December 12, 2013.

1. Sheet CE-302:

1. An existing 15" storm drain pipe is shown at the Southeast corner of the property: Where does that go or come from?

Response: The end of the pipe was not located. We are not sure where it goes. During our field inspection we pulled the lid and the 15" corrugated Metal Pipe is full of silts. However we cannot eliminate that pipe without accounting for where it goes. Therefore we are protecting the pipe in place.

2. Note 11 needs to match the storm water study

Response: Agreed, the note has been changed.

2. Sheet CE-501:

1. Please show existing asphalt elevations and proposed lip of gutter elevations as well as the high & low points in the plan view

Response: the grade breaks have been added to the Profile. The profile is of the Proposed Gutter flow line. So adding existing lip of gutter and asphalt elevations does not make sense. We did add the Existing grade as it relates to the new flow line.

2. Please show existing and proposed boxes and storm drain pipes with elevations and slopes in the plan view

Response: Invert elevations have been added to the Proposed and existing Inlets in the Profile.

3. Please show stationing in the plan view

Response: Stationing has been added to the Plans

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4. Please indicate the location and elevations of the 2 overflows on 900 South from the submitted storm water study

Response:

5. The FG: FLOWLINE shown doesn't match the elevations from the CE-301 (the grading plan)

Response: The grades that are shown FG:Flowline are representative of the grades at the new gutter Flow line, While the grades that are labeled on the Grading plan are Top Back of Curb.

6. Please show the existing ground in the profile.

Response: The Existing grade has been added to the Profile.

7. Are the boxes really going to be 2' deeper than the flow line of the proposed pipe?

Response: No the boxes so not have a 2' Sump in the bottom of the boxes.

8. Where does the proposed storm drain go to on the right side of the profile? If it is going to connect to the existing 6" pipe, please show the connection with the elevations.

Response: The Proposed Storm Drain connects into the exiting box. That has been added to the profile.

9. Please fill in the question marks on the profile.

Response: The questions have been answered.

3. Sheet CE-601:

1. The roadway section needs to be changed because soil conditions vary throughout the county, it is now necessary to provide an engineered pavement design showing required sub-base, road-base, fabric, and asphalt thickness as needed for soil type. Asphalt thickness shall not be less than 3 inches. The county engineer is now requiring a minimum of 8" of 4" minus sub-base and 6" road-base. Compaction tests on both will be required.

Response: Minimum Roadway section requirements have been added in a general paving note on Sheet CE-501

4. Sheet CE-603:

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1. Detail 9 has some wrong information on it. The storm water study indicates and 4.3" orifice in the center of the plate as opposed to a 3" orifice at the bottom of the plate. Also the elevation shown seems 10'+ high.

Response: detail 9 has been updated to show the correct information.

5. Work done in the right of way requires an excavation permit.

Response: Agreed and Excavation permit will be required for all work performed in the Right-of-way. Contractor will pull this permit.

6. A Storm Water Construction Activity Permit is required for all work that disturbs more than 5000 square feet.

Response: Agreed site will include a Storm Water Activity Permit prior to construction. Contractor will pull necessary permits.

7. A Storm Water Pollution Prevention Plan (SWPPP) is now required to be submitted for all new development where construction is required. The State now requires that a Utah Discharge Pollution Elimination Systems (UPDES) permit be acquired for all new development. A copy of the permit needs to be submitted to the county before final approval. Permits can now be obtained online thru the Utah State Department of Environmental Quality at the following web site: <https://secure.utah.gov/swp/client>.

Response: Agreed Contractor will obtain the SWPPP and UPEDS and provide the documentation to the county before construction activity begins.

We have addressed all of your comments and are submitting new improvement drawings for your review and approval. Please review and comment if need. If you have any questions please let me know.

Regards,



Brandon Preece
Project Manager

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