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September 3, 2014

Rebecca Taber  
Placer County, Engineering and Surveying Division  
3091 County Center Drive,  
Auburn, CA 95603

Subject: Newcastle Fire Station, PLN14-00044 (RDG project #13-262). 1<sup>st</sup> EQ Submittal

Dear Ms. Taber,

We have received the review comments from ESD dated July 30, 2014 and propose the following responses:

### ***GEOLOGY & SOILS***

- **ADVISORY COMMENT:** the project is proposing to import 13,600 cy of soil. A grading permit, and possibly Environmental Review, may be needed for the chosen export site(s). The applicant may wish to provide the County with information regarding the selected export site(s) should the applicant wish that any needed clearance be processed concurrent with this Environmental Review.

**Response: Noted. The borrow site has not yet been determined. As you know, we have not yet conducted our geotechnical investigation for the project. Included in the geotech's scope of work will be testing of borrow material for suitability as fill material.**

- **ADVISORY COMMENT:** Prior to Improvement Plan approval, a Caltrans Encroachment Permit and traffic control plan will be required for the grading shown within Caltrans' right-of-way.

**Response: Noted.**

### ***HYDROLOGY & DRAINAGE***

- A revised final drainage report will be required as a mitigation measure to be submitted with the Improvement Plans for ESD review. The report shall address Caltrans' comment letter dated July 28, 2014 and show the time of concentration flow path on the pre- and post-project watershed maps, as well as reevaluate the "n" value in the calculations. In addition, the watersheds for pre- and post-project should include any highway runoff and runoff from the adjacent industrial properties that flow to the Newcastle fire station project site. The final drainage report shall confirm the preliminary drainage report's assertion that the project will not increase runoff to the State's existing 24 inch culvert for the 100-year storm event.

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**“Values from the Past, Experience for the Present, Preparing for the Future”**

**Response: Noted. An updated drainage report has been submitted to Caltrans address all comments noted above. Attached is a copy of the comments resolution letter to Caltrans addressing their comments.**

### ***TRANSPORTATION / CIRCULATION***

- A slight modification will be needed for the proposed access on Old State Highway, The turning movement exhibit shows that the northbound engines entering the site need to cross over the Old State highway centerline, the inside track touches the curbing along the south side of the driveway, and the outside track touches the handicapped parking stall hatching in the parking lot. The access should be moved southerly to resolve this issue. Also, the parking lot might need to be expanded to the south to help facilitate the remaining turning movements to occur on site for fire trucks to back into the station.

**Response: Noted. The curbing on the south side of the entrance has been shifted southward to provide additional clearance for fire trucks entering from the south. Although tight, we prefer not to expand the parking lot southward as this will increase the encroachment of the proposed grading southward closer to the existing Caltrans culvert.**

- **ADVISORY COMMENT:** In the Kimley-Horn and Associates report provided by the applicant with the EQ submittal, dated March 19, 2014, there is a discussion about the simple lane tunnel to the north and if vehicle conflicts with fire station operations are observed to be an issue at some future date, an advance warning system could be installed to warn southbound 193 traffic. If that system is determined to be needed in the future, it would be required to be installed and funded by the Newcastle Fire Protection District.

**Response: Noted.**

Please let us know if you have any additional questions or comments.

Sincerely,  
**Roseville Design Group, Inc.**



Philip J. Herzer, P.E.  
Vice President

cc: File Copy