

## MEMO

TO: District Manager

FROM: District Engineer

SUBJECT: ENGINEERING DEPARTMENT STATUS REPORT

DATE: April 14, 2006

### **RECOMMENDATION:**

It is recommended that the Board of Directors review and file the Engineering Department status report for the week ending April 14, 2006.

### **BACKGROUND:**

#### *East Road Slide*

Engineering provided mapping to the Zayante Fire Department showing District and other property owners' lands in the vicinity of a landslide east of East Road.

#### *Intake As-builds*

Engineering is calculating the theoretical capacity for each intake. Capacities for the three Clear Creek intakes and the Sweetwater intake have been determined. Engineering will field visit the Peavine and Silver Creek Diversions to establish their as built condition and then calculate their theoretical capacity. A summary of each intake's capacity will then be sent to Nick Johnson for inclusion in his upcoming report.

#### *Little Steel Paint Analysis*

Engineering has received results from the lab and is analyzing the results. Engineering is evaluating mitigation plans to remove the tank from the site.

#### *Zayante School Road Easements*

The project is complete.

#### *Manana Woods Service Area Map*

Engineering has submitted the survey description for a map of the distribution system to LAFCO for the annexation of the Manana Woods. Engineering has submitted a second map showing the well and treatment plant that will be used in the LAFCO annexation. Engineering has submitted the written survey description for both maps to LAFCO for approval. Engineering has located existing improvements along Whispering Pines Drive and Lundy Lane, and is drawing improvement drawing for the proposed route for the intertie between SLVWD and Manana Woods. Engineering field visited the intersection

of Whispering Pines and Lundy Lane to determine the best location for a proposed pressure reducing station. Engineering has prepared plans for each of the approximately 116 meter installations.

*Mobile Home Parks Fire Protection*

Engineering has prepared an orthophoto map for Operations to discuss possible water system interties with the two mobile home parks in Scotts Valley. The mobile home parks are reviewing their options.

*Urban Water Management Plan*

Population projections are completed. Engineering has completed preliminary water consumption projections till the year 2030. Engineering is coordinating with Nick Johnson, the District's consultant to obtain supply projections. Engineering is beginning to quantify conservation measures and new water source options.

*Tipping Way*

The neighbors have obtained a verbal approval for an easement. Operations and Engineering will field visit the new easement when the rain subsides.

*100 Scale Update*

No activity during this time period.

*Timberwood Mainline Extension*

No activity during this time period.

*Certificates of Participation Projects:*

*North/South Intertie*

Engineering obtained plans of the bridge on Graham Hill Road crossing Zayante Creek. Engineering began discussions with Big Trees Railroad about crossing the railroad right of way. Engineering obtained plans of the City of Santa Cruz's pump station located at the intersection of Graham Hill Road and Zayante Road.

*Downtown Boulder Creek Distribution System*

No activity during this time period.

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Kenneth Girouard  
District Engineer

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