

DISTRICT ENGINEER'S REPORT
June 29, 2007

To: PBCSD Board of Directors

From: Michael Niccum, District Engineer

Subject: **Status of Capital Improvement Program Projects**

A new chart showing summarizing the schedule for current District capital projects is attached to this report.

1. Fourth Priority Fire Protection Water Pipeline Replacement Project

Monterey Peninsula Engineering ("MPE") completed installation of 4,200 feet of new water pipelines on Stevenson Drive, Whalers Way, Rodeo and Ocean Roads. Construction work on the fourth priority water project is currently scheduled for completion in September.

MPE has earned \$1,185,837 or 59 % of the revised contract amount of \$2,015,380. E2 Consulting Engineers has earned \$254,263 or 86 % of the revised budget of \$297,000 for design and construction support engineering services.

2. Spruance Water Tank Project

A recommendation to approve an agreement with E2 Consulting Engineers for engineering services for the Spruance Water Tank Project is included in Agenda Item Number 9.

3. 2007 Sewer Line Replacement Project

E2 Consulting Engineers met with District staff and confirmed project elements for the 2007 Sewer Line Replacement. Plans and specifications are approximately 50% complete and will be ready for bidding in July.

4. Pump Station P-3 Force Main Improvement Project

Agenda Item Number 13 includes a recommendation to approve an agreement with E2 Consulting Engineers for engineering services for the P-3 Force Main Improvement Project.

5. Pump Station P-3 Rehabilitation Project

E2 Consulting Engineers completed the design for new solids grinders, wet well mixer equipment and wet well bypass piping. District staff is reviewing alternatives for construction of the improvements including installation of solids grinders by District staff and the remaining work by a contractor. District staff will present a project for Board consideration at the July Meeting. The 2007-08 fiscal year budget includes an allocation of \$200,000 for this work.

6. Pump Station P-8 Rehabilitation Project

A recommendation to approve an agreement with E2 Consulting Engineers for engineering services for the Pump Station P-8 Rehabilitation project is included in Agenda Item Number 12.

7. 1470 Cypress Drive Sewer Line Replacement Project

Haro, Kasunich and Associates completed a field survey of the existing slope below a District sewer main line located near Stillwater Cove at the rear of the 1470 Cypress Drive property. The 6-inch pipeline serves 4 residences and was temporarily repaired in 2004 in the current exposed alignment supported by tie bars into the embankment. John Kasunich is designing alternative solutions for a permanent repair including construction of a retaining wall above the mean high tide or installation of the pipeline aboveground on a trussle structure.

The property owner of 1470 Cypress Drive has indicated a preference for repairing the line in place rather than abandoning the line and providing individual pump stations to each of the four affected properties. District staff will recommend a project for permanent repair of the sewer main line at the July Board meeting. The 2007-08 fiscal year budget includes an allocation of \$200,000 for this project.

8. Forest Lake Reservoir Project

District staff will submit a letter before the end of June to the California Division of Safety of Dams (“DSOD”) requesting the permitted storage capacity of the Forest Lake Reservoir be expanded from 325 acre-feet (105 million gallons) to 375 acre-feet (122 million gallons). The submittal will include the design of outlet structure modifications required to reduce the freeboard of the reservoir from 8 feet to 3 feet prepared by E2 Consulting Engineers and an updated engineering stability analysis of the north embankment prepared by the geotechnical subconsultant URS. A meeting will be scheduled with DSOD after an initial review of the engineering studies. E2 has earned \$24,797 of the budget of \$50,000 for design phase services.

