

MEMORANDUM
June 29, 2007

To: PBCSD Board of Directors

From: Michael Niccum, District Engineer

Subject: **Spruance Water Tank Engineering Services**

RECOMMENDATION

It is recommended the Board adopt Resolution 07-11 approving Project Assignment Number 17 to the Master Agreement with E2 Consulting Engineers to provide engineering services required for the Fire Protection Water System Improvements – Spruance Water Tank Project. The total estimated engineering cost is \$313,000.

SUMMARY OF ISSUES

E2 Consulting Engineers (E2) prepared the attached proposal for design and construction management engineering services required for the fourth priority pipeline replacement project. The estimated budget of \$313,000 includes \$126,000 for preparation of plans and specifications, \$13,000 for bid phase support services, \$139,000 for construction management engineering services and \$36,000 for surveying and geotechnical services. Staff has reviewed the engineering proposal and determined the estimated costs are reasonable for the proposed scope of work.

PBCSD has an ongoing capital improvement program to improve the California American Water (Cal-Am) distribution system within the District to provide increased fire protection benefit. The Pebble Beach water distribution system includes a gravity zone and three lift zones due to the topography of the land. The first lift zone is supplied by three tanks, with a total water storage capacity of 326,000 gallons, located at the Pebble Beach pump station near the intersection of Ronda and Spruance Roads. An engineering analysis of the Cal-Am water system was performed by the District in 1990 that identified a water storage deficiency of 500,000 gallons in the first lift zone based on Fire Department and Cal-Am requirements. The District obtained an easement from the Pebble Beach Company (“PBCo”) to construct a new water storage tank above the unimproved section of Spruance Road. The estimated cost to construct a 600,000 gallon water storage tank at the Spruance site and water pipelines required for connection to the distribution system is \$1,650,000.

Spruance Water Tank Project

June 29, 2007

Page 2 of 2

Design and construction activities will be coordinated with Cal-Am staff. Plans and specifications will be ready to bid in 4 months. The bid period and construction work will require an additional year to complete. An allocation of \$2,000,000 for the Spruance Water Tank Project is included in the fiscal year 2007-08 budget.

C: Gary Hofsheier, Monterey District, California American Water

Attachment: Project Assignment No. 17

Agenda Item No. 9