

WEST BASIN MUNICIPAL WATER DISTRICT

OCTOBER 6, 2004 - Water Resources  
Little, Kwan

OCTOBER 25, 2004 - Board Meeting

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INFORMATION CALENDAR

HARBOR/SOUTH BAY WATER RECYCLING PROJECT UPDATESUMMARY:

The following is an overview of the current projects/issues ongoing as part of the overall Harbor/South Bay Project.

**Madrona and Palos Verdes Pipeline Extensions**

In April 2004, the Board authorized staff to proceed with construction of Pipeline 6A (Madrona Pipeline) and design of Pipeline 6B (Palos Verdes Pipeline) as part of the Harbor/South Bay Project. The construction contract for the Madrona Pipeline is expected to be awarded this month by the Army Corps of Engineers. Construction will likely begin in early 2005. The Madrona Pipeline will serve as the primary transmission pipeline serving the City of Torrance and will be the connecting link between the District's existing recycled water system and the proposed Palos Verdes Pipeline, which will serve the Palos Verdes Peninsula cities. The Palos Verdes Pipeline will begin in the City of Torrance at the terminus of the Madrona Pipeline and will extend south to the Palos Verdes Peninsula. The Project will include a booster pump station and over 35,000 feet of pipeline. The "Scope of Work" for design is being finalized with the Corps and is expected to be awarded in late October. A map is attached as Exhibit "A" showing the location of the pipelines relative to West Basin's existing recycled water system.

One segment of the Palos Verdes Pipeline (approximately 22,000 feet of 16-inch diameter pipe) will be constructed along Palos Verdes Drive North within the Cities of Rolling Hills Estates and Palos Verdes Estates. Southern California Edison (SCE) and Cal Water Services (Cal Water) are also planning to install facilities at the same time and along the same alignment under consideration by West Basin. Facilities planned include 24- and 27-inch diameter water pipelines by Cal Water and underground power and communication ductbanks by SCE.

Staff has met with SCE and Cal Water representatives to discuss coordinating an approach to mitigate community impacts resulting from the construction of these improvement projects. The outcome of these discussions are summarized below.

- A combined construction effort, including all utilities, would be least intrusive and most time effective to minimize impacts to city residents and traffic;
- Palos Verdes Drive North would need to be shut down, except to local and emergency traffic, within specific construction zones;
- Construction zones would be staged to provide the most convenient traffic routing alternatives;

- Cal Water's current water pipeline design consultant would incorporate design of West Basin's recycled water pipeline into their contract. Design cost would be shared proportionately;
- Cal Water would construct both water and recycled water pipelines under the same construction contract. Construction cost would be shared proportionately;
- SCE would construct their facilities within the same construction window as Cal Water and West Basin's facilities;
- West Basin will continue design and construction efforts on Palos Verdes Pipeline Project with Army Corps up to Palos Verdes Drive North;
- Design and construction scope for Palos Verdes Pipeline with the Army Corps will be reduced by approximately 22,000 feet of pipeline;
- Design and construction costs of pipeline within Palos Verdes Drive North would not be under the Harbor/South Bay Project and not eligible for Federal Funding. Funding for the Project would likely be through West Basin's PAYGO funds; and
- A Memorandum of Understanding between Cal Water, SCE, and West Basin would be prepared outlining Project requirements and the responsibilities of each Agency.

Staff will continue working with Cal Water and SCE to develop a strategic plan for Project implementation with the Palos Verdes Cities and will keep the Board updated on the Project status. A formal presentation to the Palos Verdes Cities' staff and Board Members is expected in late October or early November.

#### **L.A. Southwest College Lateral (Lateral 10)**

The Task Order for design of the L.A. Southwest College Lateral (Lateral 10) is expected to be awarded by the Army Corps to AKM Consulting in early October. AKM Consulting is the designated design consultant for future Harbor/South Bay Project Laterals. Design of Lateral 10 is expected to take approximately three-four months. Construction is expected to begin early 2005.

#### **Dye House Lateral (Lateral V)**

Design efforts for Lateral V are currently on hold until a pump station site can be confirmed for acquisition and funding is coordinated. Staff continues to work with California State University, Dominguez Hills and California Water Service to secure a pump station site. The installation of a recycled water storage tank is also under consideration for the Project and will be dependant upon site availability.

#### **FISCAL IMPACTS:**

Funding for the Harbor/South Bay Project is available in the Capital Improvements Project for fiscal year 2004-05 budget. Funding for the proposed Palos Verdes Pipeline within Palos Verdes Drive North is expected to be covered through PAYGO funds.

#### **ENVIRONMENTAL COMPLIANCE:**

The environmental compliance work for the recycled water pipelines included in the Harbor/South Bay Water Recycling Project has already been completed by the U.S. Army Corps.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on October 6, 2004 and agendaized to the October 25, 2004 Board meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.

LIST OF EXHIBITS:

Exhibit "A" - Map of Pipelines Location

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