

WEST BASIN MUNICIPAL WATER DISTRICT**DECEMBER 5, 2006 – Water Resources**

Little, Dear

DECEMBER 21, 2006 – Sp. Board Meeting

Prepared by: Joe Walters

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Approved by: Rich Nagel

ACTION CALENDAR**RECYCLED WATER CUSTOMER DEVELOPMENT PROJECT****SUMMARY:**

The City of El Segundo (City), in partnership with Tree Musketeers, has initiated a project to facilitate the beautification of Imperial Highway along the El Segundo - Los Angeles International Airport (LAX) border by planting trees in the Imperial Highway medians from California Street to Pershing Way. This includes 269 trees planted to date and 260 more scheduled for the next two years.

Unfortunately, the median is currently devoid of an irrigation system to water the trees. This requires that the Tree Musketeer volunteers hand water the trees using a water truck taking water from fire hydrants. Hand watering is not only time consuming, but also dangerous with automobiles and trucks traveling over 50 miles per hour within a few feet of the volunteers.

In order to enhance the otherwise barren median strip, conserve potable water use and protect the safety of the dedicated volunteers, the City and Tree Musketeers have called upon West Basin Municipal Water District (District), Los Angeles Department of Water and Power (LADWP) and Los Angeles World Airports (management for LAX and the other major L.A. area airports) to develop a project to provide recycled water to the medians for tree irrigation. This group of agencies has met for several months and has developed a plan with three phases:

- 1) District is to replace the original 2-inch stub-out of its recycled water system with a 6-inch line that will serve the medians and LAX in the future (see map - Exhibit "A"). A 6-inch line is required to maintain pressure for the full length of the proposed irrigation system;
- 2) LADWP is to extend the 6-inch line across Imperial Highway, install a 4-inch meter and extend a 4-inch line back to the median for irrigation; and
- 3) LAX is to develop landscape use for recycled water on its property and contribute to the median irrigation based on the visual enhancement of Imperial Highway.

Tree Musketeers would then construct a 7,000 foot irrigation system to serve the trees along this stretch. The District already has an active agreement with LADWP to provide recycled water for such irrigation projects so no further agreements are required. While the tree irrigation would use less than 5 acre-feet per year of recycled water, it is viewed as a high profile use that promotes recycled water at a key point of entry into the Los Angeles area.

Replacement of the undersized stub-out with a 6-inch line by the District is through a turf area between the El Segundo Dog Park and City Sump; therefore, no paving issues would be encountered. Also, the District has an existing right-of-way easement enabling the District to proceed as soon as needed. The estimated cost is \$21,150.

FISCAL IMPACTS:

Funds for this project are included in the Capital Improvement Program budget for Fiscal Year 2006-07.

ENVIRONMENTAL COMPLIANCE:

None.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on December 5, 2006 and recommended for approval at the December 21, 2006 Special Board meeting.

RECOMMENDED MOTION:

That the Board authorizes the General Manager to proceed with the bid and award process to replace the 2-inch recycled water stub-out to serve the Imperial Highway median with a 6-inch line in the same right-of-way for an amount not-to-exceed \$21,150 plus 10% contingency, for a total not-to-exceed amount of \$23,265.

LIST OF EXHIBITS:

Exhibit "A" – Trees to the Seas Map

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