

CITY OF DANA POINT
AGENDA REPORT

Reviewed By:	
DH	X
CM	X
CA	

DATE: MARCH 26, 2003

TO: CITY MANAGER/CITY COUNCIL

FROM: ROBERT A. WARREN, DIRECTOR OF PUBLIC WORKS AND ENGINEERING SERVICES

SUBJECT: APPROVAL OF THE FINAL PLANS AND AUTHORIZATION TO ADVERTISE THE DEL OBISPO STORM DRAIN TREATMENT PROJECT

RECOMMENDED ACTION:

That the City Council approve the final plans, included as Supporting Document A, and authorize staff to advertise the Del Obispo Storm Drain Treatment Project.

ISSUES:

The design of the Del Obispo Storm Drain Treatment Project has now been completed. Therefore, it would be appropriate to approve the final plans and authorize staff to advertise the project for construction bids.

BACKGROUND:

As part of the City's Capital Improvement Program, several projects have been included to improve water quality in our local watersheds. One of those projects is the Del Obispo Storm Drain Treatment Project which involves diverting urban runoff from an open channel in Del Obispo Park to an adjacent sewer in Del Obispo Street. The proposed project involves the following elements:

1. Demolition of existing storm drain
2. Temporary storm water containment and bypass
3. Site grading
4. Construction of a below-grade storm drain facilities including a construction of a continuous deflective separation (CDS) unit and a low flow diversion.
5. A pump station and forcemain to direct flows to the sewer facility in Del Obispo Street
6. Asphalt Concrete Paving
7. Chain link fencing

The specific water quality goals of this project are to reduce the amount of bacteria entering San Juan Creek. The overall goal for the entire watershed is to reduce the number of postings and closures at Doheny State Beach by reducing urban runoff, including trash, debris, coarse, medium and fine sediments, oil, grease and bacteria that enter San Juan Creek.

During periods of low flow (usually occurring from April to October), urban runoff in the channel that would normally empty into San Juan Creek will be directed to the sanitary sewer system using a low flow diversion. Up to 50 gallons per minute (gpm) will be diverted to the sanitary system as part of the project. Therefore, potential contaminants and bacteria will be eliminated from discharge to San Juan Creek and Doheny State Beach during normal non-storm urban runoff flow periods.

The City Council awarded a contract to Harris and Associates, Incorporated for the design of this project on March 12, 2002.

DISCUSSION:

The design for the Del Obispo Storm Drain Treatment Project is complete at this time. The project involves the construction of a low flow diversion and filtration system in an existing storm drain channel in Del Obispo Park that outlets to San Juan Creek. The design also utilizes a small pump station to direct flows to a sewer line in Del Obispo Street.

The City has been working with South Coast Water District (SCWD) and the South Orange County Wastewater Authority (SOCWA) to accept the urban runoff from the proposed diversion. An agreement is currently in progress with SCWD, and an application for a SOCWA Special Waste Discharge (SWD) Permit is underway. It is anticipated that the SCWD agreement and the SOCWA SWD permit will be available for Council consideration at the time a contract is awarded for this project.

Staff recommends that the City Council approve the recommended action so the project can move forward.

NOTIFICATION/FOLLOW-UP:

Harris and Associates
PBS&J

STRATEGIC PLAN IMPLEMENTATION:

In compliance with the Strategic Plan Initiative to restore and maintain the integrity of our ocean waters and beaches, this project's goal is improve water quality in an open channel in Del Obispo Park.

FISCAL IMPACT:

The available funding for the project is \$1,148,847. The sources identified in the budget are as follows:

County of Orange	\$ 19,338.00
General Fund	<u>\$ 1,129,509.00</u>
Total Budget	\$ 1,148,847.00

To date, the following costs have been encumbered on the project which includes all of the recommended action:

Grant Funding Coordination, PBS&J	\$ 5,000.00
Susan Case, Notifications	\$ 500.00
Bush and Associates, Surveying	\$ 7,464.00
Harris and Associates, Design	\$ 83,870.00
Additional Environmental Services	\$ 15,460.00
Project Management, PBS&J	\$ 17,936.00
Check Request, Project Management	\$ 942.50
Printing, CR	\$ 750.00
Associated Laboratories	<u>\$ 9,140.00</u>
Total	\$141,062.50

The remaining budget is \$1,007,784.50 which should be adequate to fund the construction of the project based on the best available engineer's estimate.

There is no fiscal impact that will result from the recommended action.

ALTERNATIVE ACTIONS:

1. Other action as determined by Council.

ACTION DOCUMENTS:

None

SUPPORTING DOCUMENTS:

- A. Project Plans (hard copy provided)

Supporting Document A

Project Plans

Hard copy provided