

**SANTA BARBARA COUNTY  
BOARD AGENDA LETTER**



Clerk of the Board of Supervisors  
105 E. Anapamu Street, Suite 407  
Santa Barbara, CA 93101  
(805) 568-2240

**Agenda Number:**  
**Prepared on:** 04/01/04  
**Department Name:** Public Works  
**Department No.:** 054-04-08  
**Agenda Date:** 05/04/04  
**Placement:** Admin  
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**Continued Item:** NO  
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**TO:** Board of Supervisors  
County of Santa Barbara

**FROM:** Phillip M. Demery  
Public Works Director

**STAFF CONTACT:** Thomas Fayram, Deputy Public Works Director, Ext. 3436  
Cathleen Garnand, Civil Engineer Associate III, Ext. 3561

**SUBJECT:** **South Turnpike Urban Runoff Treatment Control Project Completion,  
Second Supervisorial District**

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**Recommendation(s):**

That the Board of Supervisors:

- A. Accept the attached Notice of Completion for the South Turnpike Urban Runoff Treatment Control Project and authorize the Clerk to record; and
- B. Adopt the Resolution establishing the final quantities for work performed and materials supplied for the South Turnpike Urban Runoff Treatment Control Project by the contractor Vince Lopez & Sons (a local vendor) in the amount of \$245,408.39.

**Alignment with Board Strategic Plan:**

These recommendations are aligned with Goal No. 5: Maintain and Enhance the Quality of Life for all Residents.

**Executive Summary and Discussion:**

On September 10, 2002, your Board entered into an agreement with Vince Lopez & Sons for the South Turnpike Urban Treatment Control Project. Two approved change orders, and a decrease in bid items, increased the original contract amount of \$229,136.80 to \$245,408.39 in order to complete the project.

The project consists of treatment of urban runoff from the commercial area and residential neighborhood to the between Hollister Avenue and the end of Turnpike Ave. The project includes mechanical removal of pollutants with subsequent biological treatment in a bioswale. Larger, undissolved pollutants are first screened using a Continuous Deflective Separation (CDS™) unit situated beneath the ground surface. The CDS unit diverts low to moderate flows from the existing 68-inch by 48-inch storm drain. Flows from the CDS unit discharge into a low

gradient, vegetated channel that removes remaining pollutants through plant uptake, absorption onto plant stems, microbial degradation, percolation, and degradation by solar radiation.

Construction of the project involved installation of the CDS unit, weir box, excavation of the bioswale, and vegetation planting and establishment. The construction phase of the project was completed last year, and the one-year establishment period for the bioswale was completed in February 2004.

The County has accepted the completed work of the contractor, Vince Lopez & Sons, per plans and specifications. The project was completed at a cost of \$245,408.39.

### **Mandates and Service Levels:**

Water quality improvement projects are one of the goals of Project Clean Water. This project also supports the County's requirement to comply with the National Pollutant Discharge Elimination System (NPDES) Phase II regulations of the Clean Water Act. This project is a structural Best Management Practice, and will assist in future decisions regarding the County's compliance with the Municipal Operations component of the permit as well as serve as a model to the community for post-construction BMPs in new development.

### **Fiscal and Facilities Impacts:**

This project is one in a series of projects funded through a \$2.1 million grant agreement with the State of California Coastal Conservancy. A resolution agreeing to the terms and conditions of the grant and authorizing the Public Works Director to enter into agreement with the Coastal Conservancy to receive these funds was approved by your Board on November 14, 2000.

To date, a number of water quality improvement projects have been installed using the \$2.1 million grant. These include: CDS units in Carpinteria and Isla Vista, a bioswale and two CDS units at Walnut Park Townhomes near Rhoads Ave. and Walnut Ave. The term of the grant ends June 30, 2004. Most of the funding will have been spent in site selection, design, and construction of these projects, in addition to developing a water quality GIS layer of impervious surfaces using satellite imagery to categorize and rank future sites for treatment control BMPs, as funding is available.

This project was included in a final budget adjustment in the 2003-04 Adopted Budget in the Water Agency cost center of the Water Resources Division of the Public Works Department. The costs associated with this project will be paid from Dept: 054, Fund: 3060, Acct: 8200, Program: 3008. Long-term maintenance of the CDS units will be funded by the General Fund through the Project Clean Water and will be included each year in the Water Agency cost center of the Water Resources Division budget.

**Special Instructions:**

After Board action, direct the Clerk of the Board to distribute as follows:

1. Send original Notice of Completion to the County Clerk Recorders office to be recorded.
2. Send copies of recorded Notice of Completion, resolution, and minute order to the Water Agency office, attn: Christina Lopez.



**Bioswale establishment (August 2003)**