

Zone 3

**Report to the Zone Commissioners
Design and Construction Projects
for Calendar Year 2011**

By Dusty Williams, General Manager-Chief Engineer
January 2012

GENERAL:

Throughout the District (all Zones) during Calendar Year 2011, the Design and Construction Division Issued Notices of Completion for four capital projects and three repair projects with a combined value of \$10 million. Surprisingly, despite the downturn in development activity, the District issued Notices of Completion for 20 developer-built projects with a total value of almost \$36 million during Calendar Year 2011. Many of these projects were "almost" finished at the end of the boom in 2008/2009 and are now being accepted as final punch-lists are finally completed. Two large projects in Zone 4, Paloma Wash in Menifee and the large storm drain associated with the "Sketchers" distribution facility in Moreno Valley accounted for nearly \$20 million of the \$36 million total.

With many project plan sets nearing completion at press time we expect to see a significant uptick in both the number of in-house CIP projects under construction and the total value to be constructed compared to Calendar Year 2011. We also have several other drainage projects being managed by individual cities with the District participating in funding.

Again, during this last year, bids for District construction projects have shown that general contractors are still making very competitive bids. The District will continue to try to leverage this dip in construction costs by pushing hard to complete designs and advertise projects while prices are low.

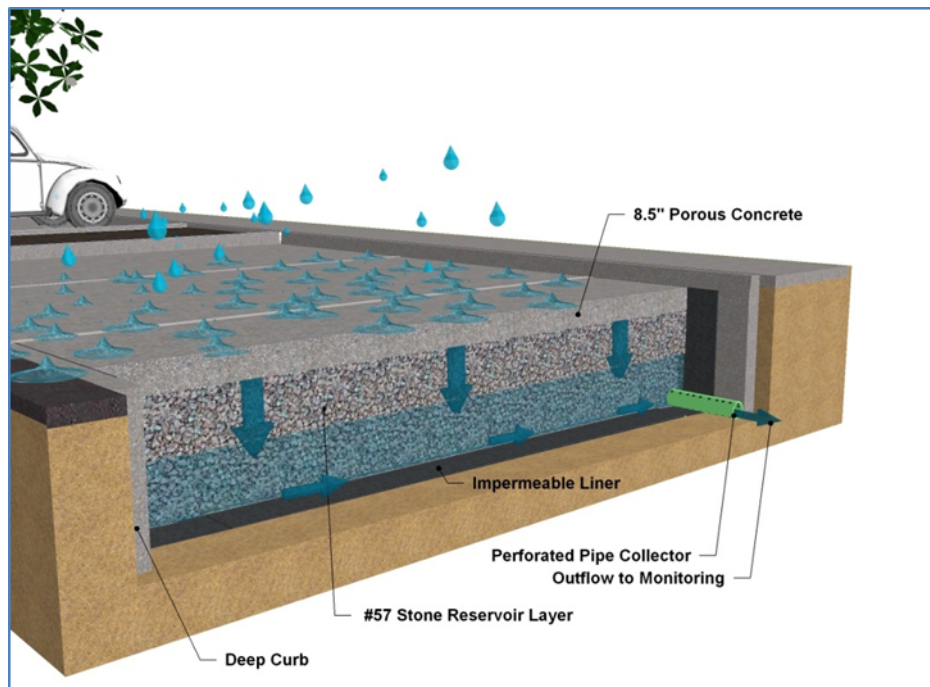
Additionally, we are also underway with a number of repair projects that require engineered drawings due to the severity of the damage or potential damage to our facilities. Deficiencies range from exposed and rusting rebar to undermined slope paving. Most of these projects were designed by outside consulting engineers. At press time for this report three separate projects along Palm Canyon Wash and Murrieta Line F repairs have been completed. The Arlington and La Sierra channel repairs are underway. Montgomery and Cabazon channel repairs are out to bid and another repair in the south Corona area will be out to bid in January. An additional project along the San Jacinto River Levee adjacent to the Soboba Tribe's holdings will follow early this year.

Calendar Year 2011 saw completion of significant changes at the District's office site. The completed Low Impact Development (LID) Retrofit Project consists of three parts converting the District's Market Street campus into a regional example of green development concepts. The upgraded facility will be used as a regional "green" training center for municipal employees, developers, engineers, and contractors throughout the Inland Empire and Orange County.

Currently, there are limited locations and opportunities to demonstrate the proper application of LID BMPs. This facility is uniquely designed to accomplish both demonstration and monitoring of the effectiveness of LID practices. This project is intended to facilitate the support and implementation of LID BMPs by municipalities and developers. The cost of this project was partially subsidized by a \$475,000 State Proposition 13 grant administered by SAWPA.



Centralized Monitoring Point for Low Impact Demonstration Project



Pervious Portland Cement Concrete

Ongoing Planning Work - Lakeland Village Master Plan of Drainage - The District has completed the engineering work for the Lakeland Village Master Drainage Plan (MDP). Preparation of the MDP is jointly funded by the District and the Lakeland Village/Wildomar Redevelopment Project Area. The District awarded an environmental services contract to Dudek for the preparation of an Environmental Impact Report (EIR) for the plan. The draft EIR is expected to be distributed for public review in June 2012. The final EIR and MDP are expected to be approved by the end of 2012.

Following is a status summary of the capital improvement projects for Zone 3:

Current Year Capital Projects (Budgeted FY 2011/2012)

- **Lakeland Village Orange Street Lateral (3-8-00012-01)** - This small lateral to Lime Street Channel is 650 lineal feet of 30" storm drain from existing Lime Street Channel, southwesterly along Fairview Street, then southeasterly along Orange Street terminating at a small sedimentation basin. The geotechnical reporting was completed and bedrock was found in the area. However, the bedrock is weathered which should allow for a normal amount of effort to excavate. This was a large concern since a portion of our storm drain is 20 feet deep. The District's regulatory section has been working with the local Indian tribes to ensure that our project will not affect any cultural sites. Our utility coordinator is working with the local utility companies to set up the required relocations. In November the District requested that the County accept the necessary portions of Orange and Fairview Streets into the county system for utility purposes. This action should be accomplished in the first quarter of 2012. Also completed was the project specific Pollution Prevention Plan (PPP). The design is progressing, and staff is working toward finishing the plans and environmental documents in the spring of 2012.



Orange Street January 20, 2010

- **Arroyo Del Toro Channel (3-8-00170-01)** - The facility collects a battery of culverts presently discharging flows under Interstate 15 onto the Elsinore Valley Cemetery and extends approximately 3,000 feet southwest to an outlet into the Collier Marsh area west of Riverside Drive. The portion of the project between Caltrans' right of way and Riverside Drive is now an underground box culvert. Although more expensive to construct, the closed conduit option reduces right of way cost and should accelerate the right of way acquisition process. Additionally, the underground alternative eliminates safety issues where the facility crosses the State highway. The District staff has studied numerous alignments and configurations and we have determined the most economical and feasible project.

A Record of Survey has been recorded which started the process of acquiring the easements and right of way for the project. District Right of Way Acquisition staff has been working with the affected property owners related to the project and are in the process of making offers for the property.

The Design team has completed the mainline hydraulics. The current plans include plan and profile sheets for the mainline and connector pipes, grading plans, traffic detour plans and utility relocation plans. Further work includes the design of structures, miscellaneous details, preparation of the final costs, specifications and utility coordination.



We are working vigorously with Caltrans and the City to expedite the relocation of interfering utilities. Assemblyman Jeffries has helped the District with utility relocation coordination with Caltrans and the City although many issues are still unresolved. However, Assemblyman Jefferies did obtain a commitment from Caltrans to maintain the portion of the project within State right of way and waive inspection fees for the construction of the project. We will continue to work with Caltrans and the City to relocate the interfering utilities.

During this past year many environmental issues have been addressed. The environmental documents for the Initial Study have been completed and approved by the Board. The District minimized the environmental impact to the outlet by reducing the outlet footprint and as a result reduced the mitigation cost and environmental permit requirements. The District has received the Water Quality Certification (401 Permit) and we are close to completing the permit process for the Army Corp (404 Permit) and the Department of Fish and Game (1602 Permit). Construction on the project should take place in approximately one year.