



Los Cerritos Channel Sub-Basin 4 Stormwater Capture Facility

First flush stormwater flow, and dry weather runoff pollute the Los Cerritos Channel Watershed in Southern California. The cities that cohabitate with the watershed collaborate to install a comprehensive stormwater management solution by Jensen Infrastructure

Project Details

Project Owner	Los Cerritos Watershed Management Group
Architect/Engineer	Tetra Tech Inc. & GHD Inc.
Contractor	Mike Bubalo Construction Company
Location	Long Beach, California
Project Scope	Jensen Deflective Separator (JDS), Hydrodynamic Separator Flow Splitting Vault 16' Foot Diameter Precast Concrete Structure





Problem

With pollutant levels from the EPA being exceeded, seven cities were accountable to bring those pollutant levels down. The 17,771 acre watershed was creating these pollutants in both dry weather runoff and first flush stormwater flows. The option to install multiple stormwater treatment facilities across these seven cities would prove more costly than a single large diversion, treatment, and infiltration system that would be placed at the bottom of the watershed channel.

Solution

The seven cities formed the Los Cerritos Channel Watershed Group to streamline a solution, which led to the Sub-Basin 4 Stormwater Capture Facility at the base of the watershed channel which would eliminate most of the pollutants in the water. Jensen Infrastructure collaborated with Tetra Tech, Mike Bubalo Construction, and GDH to design, cast, and install this project. Jensen provided a flow splitting structure, dual 16' diameter JDS Hydrodynamic Separators, that effectively pretreat diverted stormwater from the channel into a detention area.

Key Outcomes

Standards Met

By incorporating this capture facility, these Southern California Cities are compliant with EPA Guidelines.

Game Changer

"It represents the start of the remaking of water infrastructure in California."
- Sam Unger, Executive Director, Los Angeles Water Quality Control Board

Budget Saver

Installing one large system at the bottom of the watershed channel created a cost-effective way to improve runoff and first flush conditions for Los Cerritos.