

Notice of Section 401 Application Reception

File Number: 302022-02

Project Name: Lane Channel Rehabilitation Project

Date Application Posted: 3/07/2022

Received: 3/03/2022

Project City: Irvine

Project County: Orange

Applicant Organization: Orange County Public Works

Applicant Name: James Volz

Waterboard Staff: MZ

Brief Description of Project:

Project Description: The purpose of the project is to provide protection to the earthen channel banks and prevent bank washouts that could undermine adjacent roadways or buildings.

Project Activities: The first task of construction will be for the large excavator to excavate the toe and the earthen slopes into benches, and then backfill and compact the slope and prepare it to receive the riprap. The contractor will work in about 20-ft to 40-ft sections of existing channel bank. After the slope has been established, the contractor will place filter fabric on the slope and into the toe excavation and then place a 6-inch thick layer of gravel base consisting of approximately $\frac{3}{4}$ -inch angular rock. Then the contractor will surgically place large angular riprap, about two feet thick, and lock the riprap in place with the bucket of the excavator. The riprap will be at 1-ft vertical to 1.5-ft horizontal slope, replicating the as-built channel slope.