

## **Notice of Section 401 Application Reception**

**File Number:** 302021-03

**Project Name:** Williams Canyon Pipeline Protection Project

**Date Application Date Posted:** 4/9/2021

**Received:** 3/04/2021

**Project City:** Orange

**Project County:** Orange

**Applicant Organization:** Irvine Ranch Water District

**Applicant Name:** Kevin Burton

**Waterboard Staff:** MZ

### **Brief Description of Project:**

**Project Description:** The project site is located in upper Williams Canyon, Orange County, California, just south of Silverado Ranch Road. The bank of the channel and parts of the road have been compromised at two locations and eroded during recent storm events. The pipeline, which is located within the roadway, is not fully protected at these two locations and is vulnerable to further damage from future storm events. Purpose is to address the existing erosion, and to minimize the potential for future exposure of additional portions of the pipeline.

**Project Activities:** To address the existing erosion, and to minimize the potential for future exposure of the pipeline, IRWD plans to restore the road to its pre-existing condition and protect the banks of the channel by installing rip-rap at two locations. In both Sections, the rip-rap would be ungrouted  $\frac{1}{4}$  ton (2-foot diameter rock), installed at a  $\frac{3}{4}$  slope. The depth of rip-rap would vary from approximately 6 to 15 feet, depending on existing slope.  $\frac{3}{4}$  inch crushed rock would be used at the top of slope in locations where the road needs to be repaired/restored to original width. All work will be done from the road and no equipment will enter the creek. Workers may be in the creek to direct the placement of rip-rap, but all work will be done from the roadway.