

Notice of Section 401 Application Reception

File Number: 302022-10

Project Name: Silverado Canyon Post Fire/Storm Debris Removal Project

Date Application Posted: 4/21/2022

Received: 3/21/2022

Project City: Silverado

Project County: Orange

Applicant Organization: Orange County Public Works

Applicant Name: Giles Matthews

Waterboard Staff: MZ

Brief Description of Project:

Project Description: The rainstorms that occurred in late December 2021 in White Canyon (Anderson Creek and Silverado Creek) and Wildcat Canyon (Wildcat Creek and Silverado Creek) resulted in significant sediment and debris flows from the Bond Fire burn scar area. These debris flows resulted in significant damages to the surrounding areas. OC Public Works has determined that the debris material presents a significant hazard to public and private facilities in the area.

Project Activities: Remove sediment and debris within Anderson Creek, Wildcat Creek, and Silverado Creek. The material will be removed to reestablish conveyance thereby reducing flood potential similar to levels prior to the debris flows. The total of sediment removal from both canyons is 9,400 cubic yards. No structural upgrades or replacements are proposed within drainages. Heavy equipment such as front-end loaders, skid steers and backhoes will be used in the creek beds to remove the impacted sediment and debris. Due to the width constraints of the local streets and within the creeks, small and medium sized equipment will be necessary. Dump trucks would be used to transport the material offsite. Survey data will be used by the operators to restore the creek's water conveyance and flood capacity as close as possible to baseline elevation levels. Hand crews will assist in removing material from and around walls, fences, power poles, and trees. Water diversion systems such as temporary check dams and coffer dam systems will be used to reduce turbidity to acceptable levels downstream of the project limits where water is present. Similar types of equipment will be used to remove material identified on local roadways. The project will return the creeks to original hydrological conditions thereby reestablishing the functions and values of the aquatic resources prior to the flooding.