

## **Notice of Intent Application Reception**

**File Number:** 302022-24

**Project Name:** Bay Bridge Pump Station Replacement Project

**Received:** 12/13/2022

**Date Application Posted:** 12/29/2022

**End of 21 Day Public Comment Period:** 1/19/2023

**Project City:** Newport Beach

**Project County:** Orange

**Applicant Organization:** Orange County Sanitation District

**Applicant Name:** Andrew Brown

**Waterboard Staff:** KF

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

**Project Description:** The Orange County Sanitation District (OC San) Bay Bridge Pump Station Replacement project includes replacing the existing Bay Bridge Pump Station (BBPS) along with existing force mains crossing the Newport Bay in Newport Beach. The purpose of this project is to replace the critical pump station infrastructure which is nearing the end of its useful life. Without this infrastructure, or if it were to fail due to inaction, the result would be a sewage spill.

**Project Activities:** The existing force mains will be filled with slurry and abandoned in place and replaced with new 24-inch diameter pipelines inside a 72-inch diameter concrete casing. The new force mains will be deeper, providing more cover than the existing force mains. The proposed method of replacement of the force mains is microtunneling. The proposed tunnel is planned to be installed through a single drive with no intermediate shafts, with a minimum of 20 feet of cover. The proposed alignment will be advanced through a launching shaft at the existing pump station crossing Pacific Coast Highway and extend to the west side of the Channel near the adjacent bridge. Microtunneling is a trenchless construction method that uses a microtunnel boring machine (MTBM) mounted on a jacking frame within a launching shaft. An automatic steering system is used for guiding the tunnel bore toward the receiving shaft enabling the proposed 72-inch diameter pipe to be installed accurately.