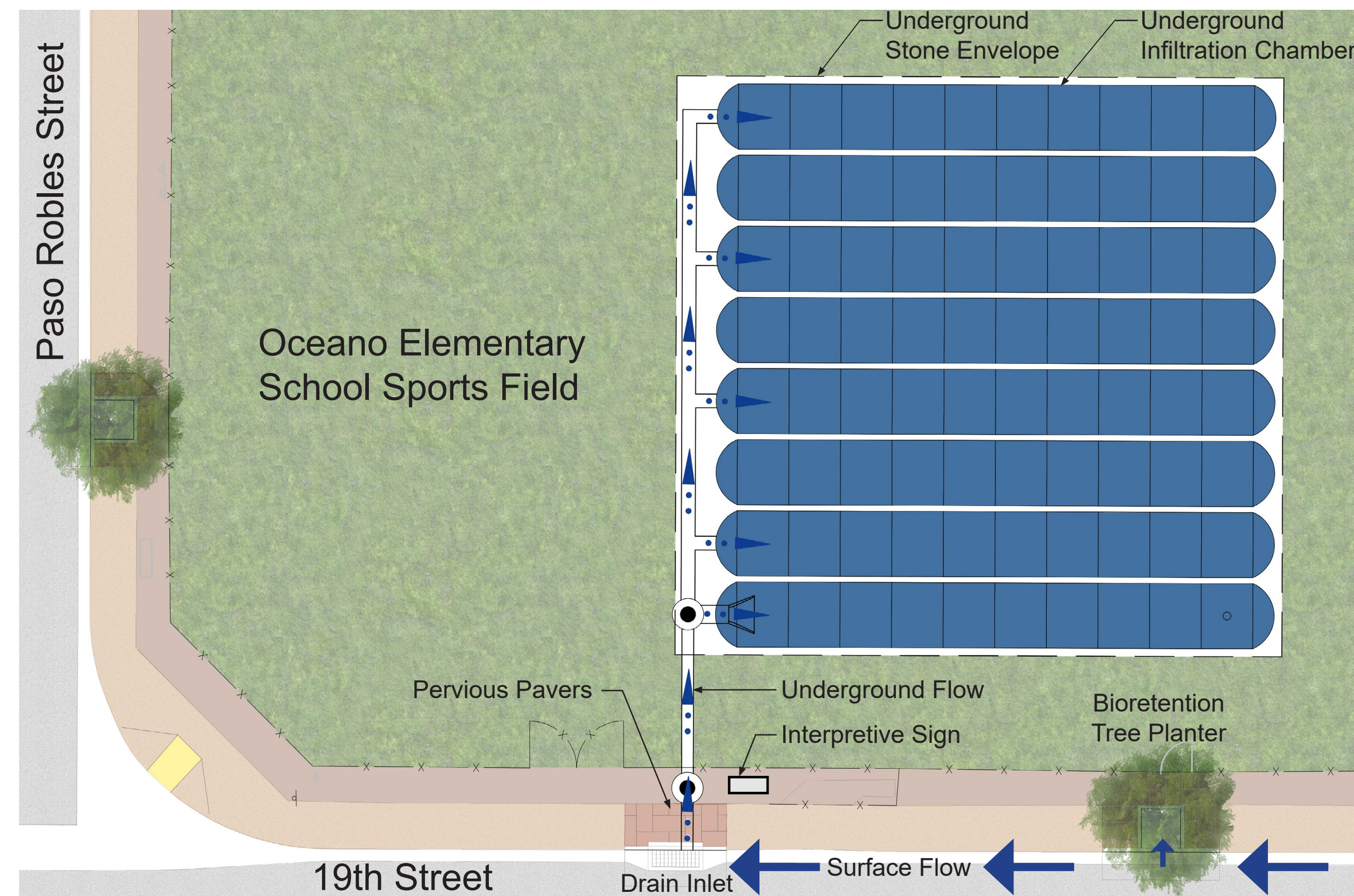


Oceano Solutions for Stormwater

Project Background

Oceano experiences nuisance flooding in localized areas. Urbanization led to an increase in impervious surfaces (pavement and concrete) and a decrease in the ability of the underlying soil to absorb stormwater runoff. The soils beneath Oceano are extensively sandy, making it a prime location for infiltration projects. Through the process of capturing and infiltrating rainwater, flooding is reduced during small to medium sized storm events.

The Oceano Community Services District (OCSD) obtains their municipal water supply in part from the Santa Maria River Groundwater Basin. In addition to flood abatement, the process of infiltrating rainwater helps to recharge this ground water supply, rather than allowing it to wash into Arroyo Grande Creek and the Pacific Ocean.



Street Improvements

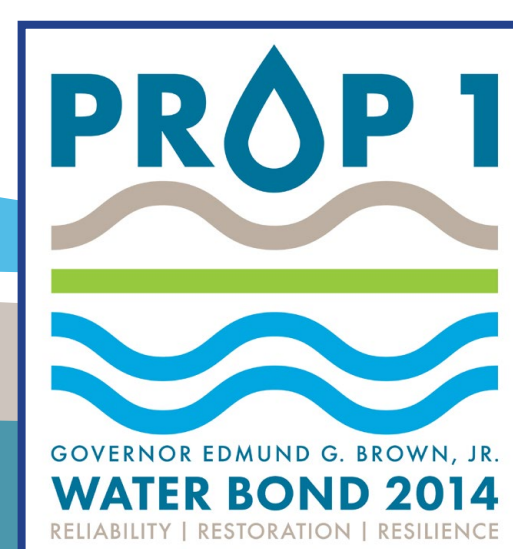
Bioretention tree planters installed as a part of the project along Paso Robles Street and 19th Street allow stormwater runoff from the roadway to be collected, treated through natural systems and infiltrated back into the ground.

Rather than replacing concrete sidewalk removed for the project, pervious pavers were selected to allow rainwater to infiltrate into the soils below.

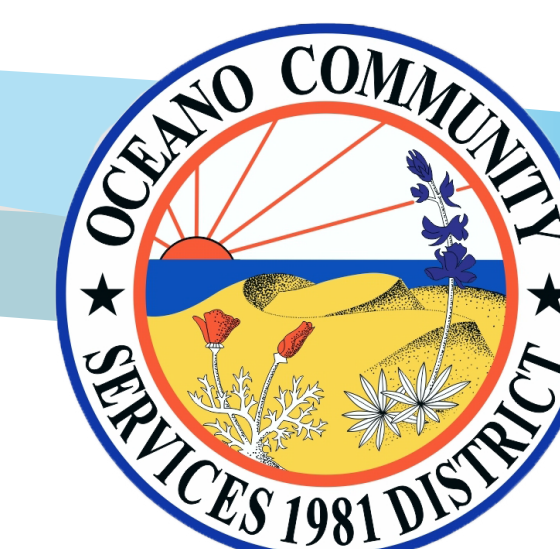
Infiltration Gallery

An infiltration gallery is a series of open chambers that collect rainwater and hold it underground until it infiltrates through the underlying soils. This water recharges groundwater basins and helps secure a clean water supply.

This location at the Oceano Elementary School was chosen due to the ability to capture and divert stormwater runoff from an over 11 acre watershed into the infiltration gallery. The gallery has a holding capacity of approximately 180,000 gallons of water. Based on the average local rainfall, an estimated 2,300,000 gallons of water per year will be infiltrated at this site.



Funding for this project has been provided in part under the Proposition 1 – the Water Quality, Supply, and Infrastructure Improvement Act of 2014 through an agreement with the State Water Resources Control Board.



Oceano
Community Services District