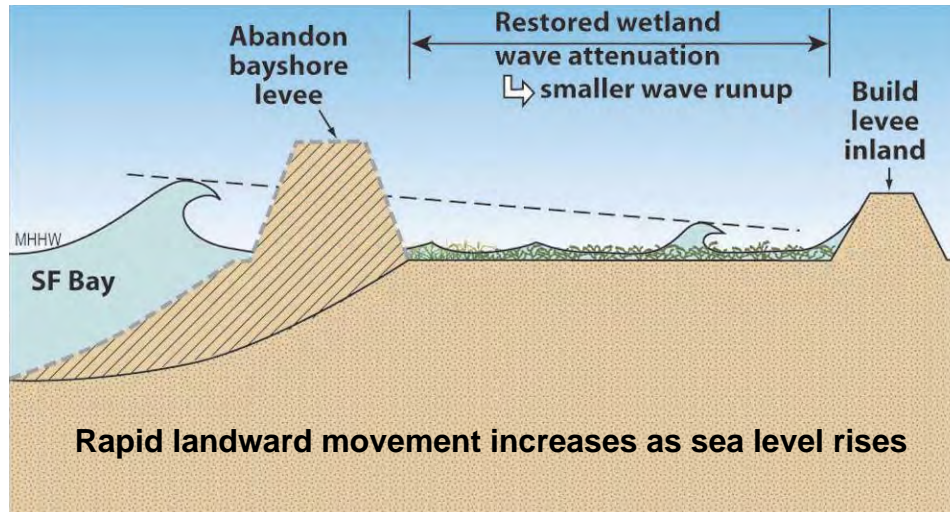


SOURCE: ESRI and OLSD, 2013

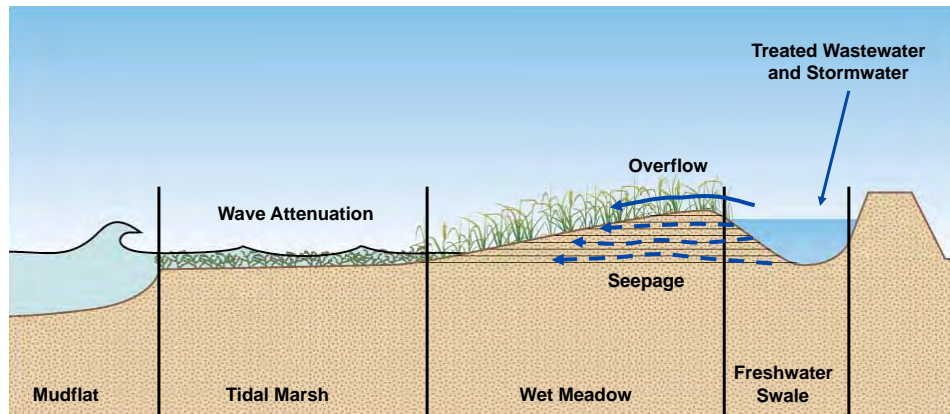
Oro Loma Wet Weather Equalization, Treatment Wetland,  
and Ecotone Demonstration Project . D120042.01

**Figure 1**  
Project Location Map

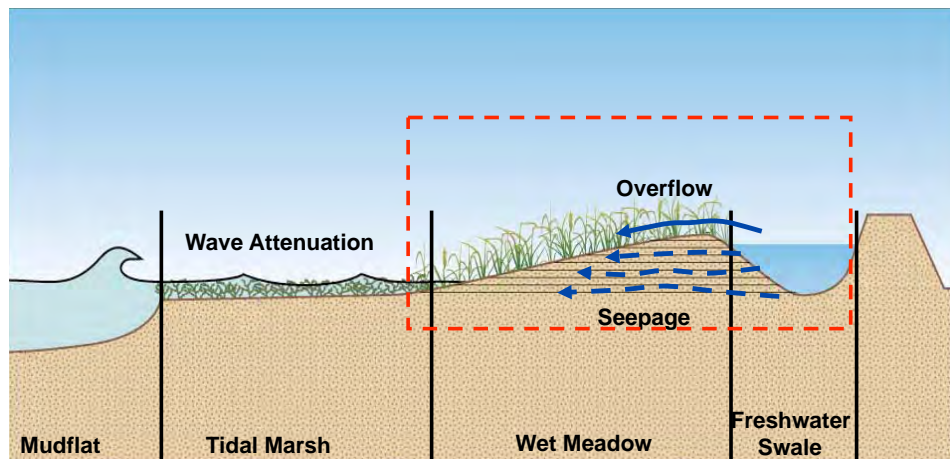
### Adaptation Solution: Realign



### A Progressive Solution: Ecotone Slope



### Demonstration Projects- Goals



- to provide a wet-weather equalization facility
- to refine seepage slope design that is adapted for future SL rise through experiment (off-line)

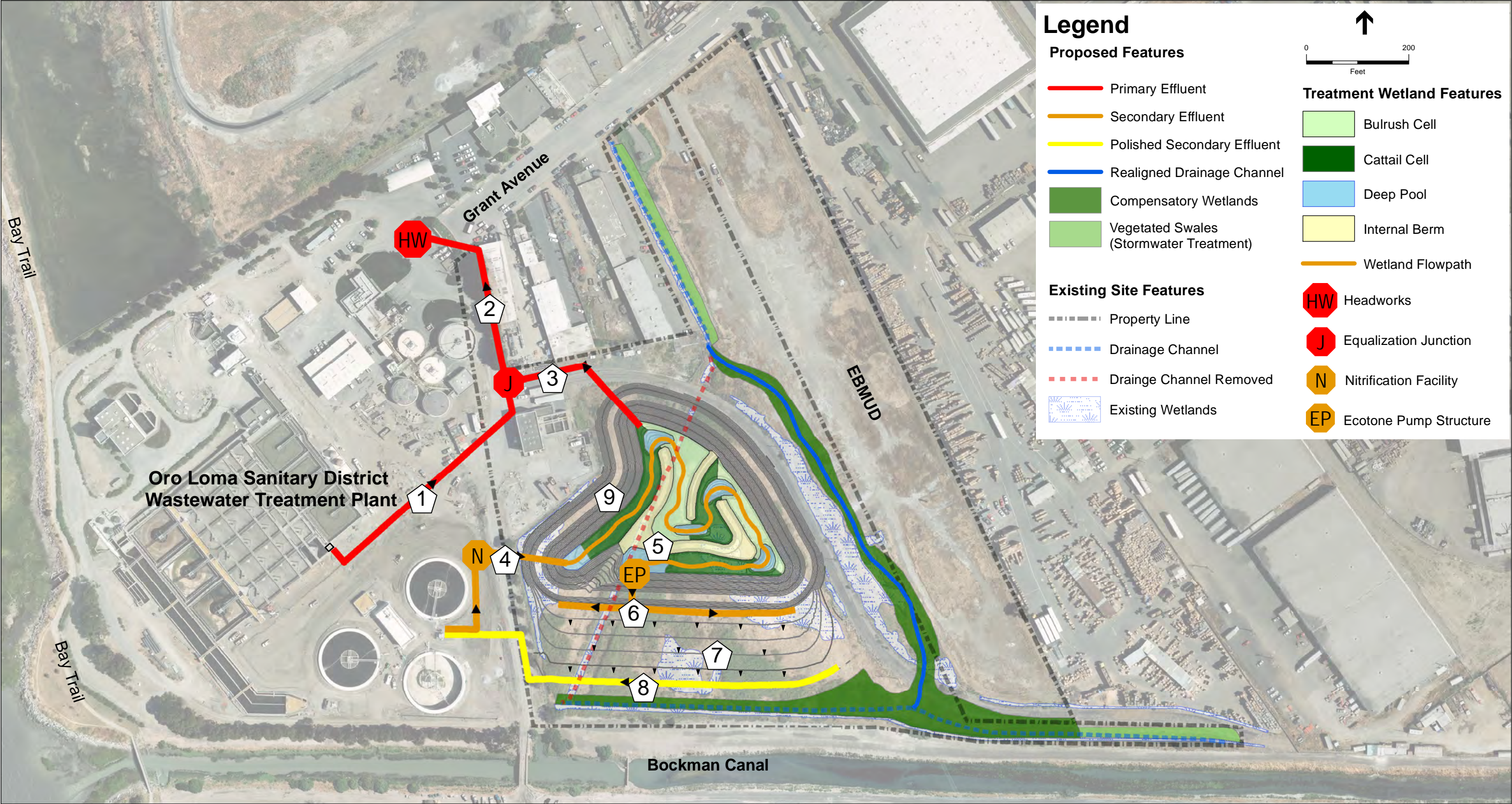
SOURCE: PWA, 2010

Oro Loma Wet Weather Equalization, Treatment Wetland, and Ecotone Demonstration Project . D120042.01

**Figure 2**

Natural System Based Approach to Sea Level Rise Adaptation





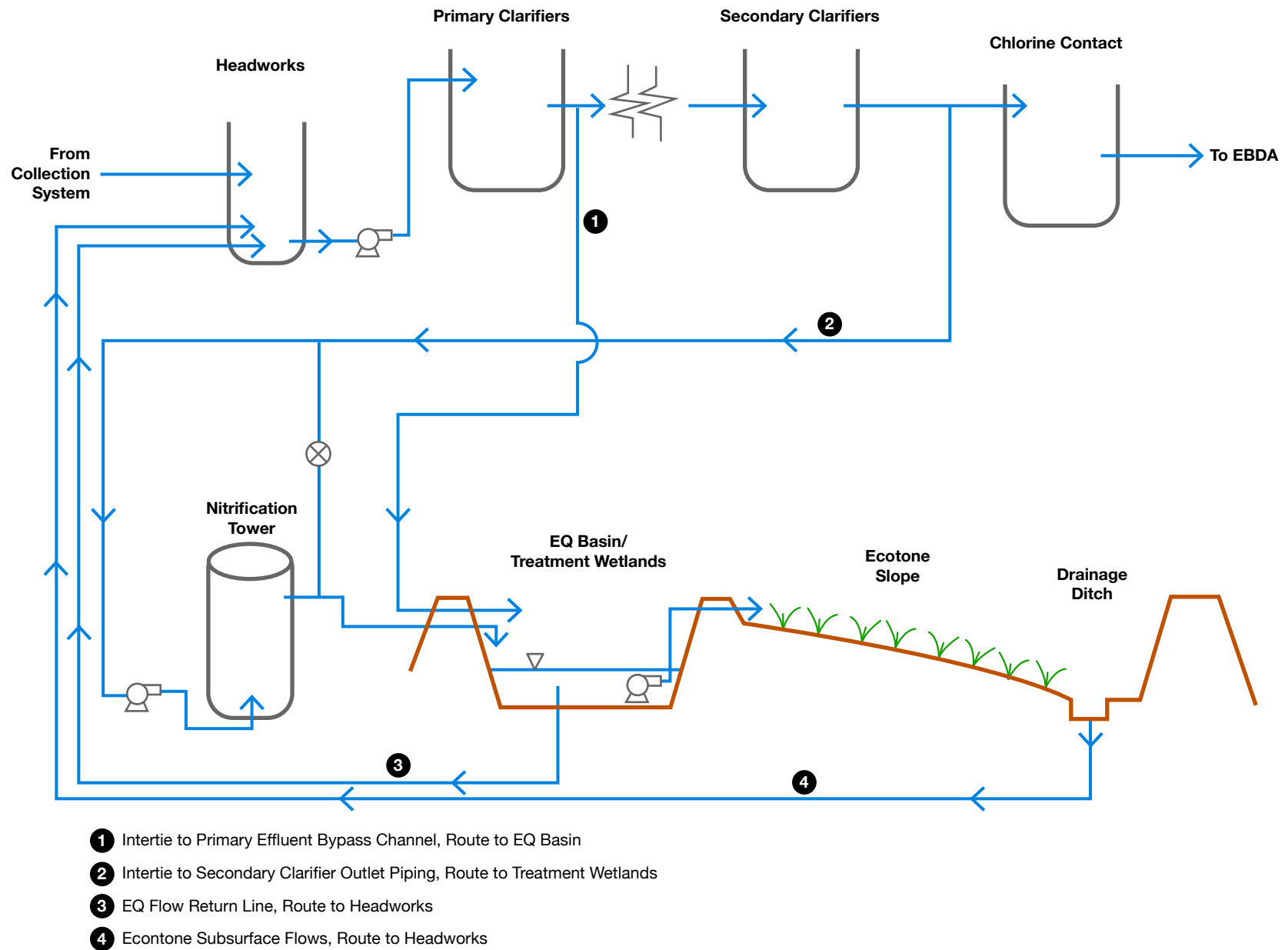
SOURCE: ESA PWA, 2013

Oro Loma Wet Weather Equalization and Ecotone Demonstration Project . D120042.01

**Figure '**  
Site Plan

- |   |  |   |
|---|--|---|
| ① Primary Effluent Bypass to Equalization Basin | ④ Nitrified Secondary Effluent to Treatment Wetlands | ⑦ Ecotone Seepage Slope                           |
| ② Equalized Flow Returned to Headworks          | ⑤ Treatment Wetlands                                 | ⑧ Ecotone Outflow Piping to Drainage Pump Station |
| ③ Equalization Basin Inflow/Outflow Piping      | ⑥ Ecotone Distribution Piping                        | ⑨ Containment Berm                                |

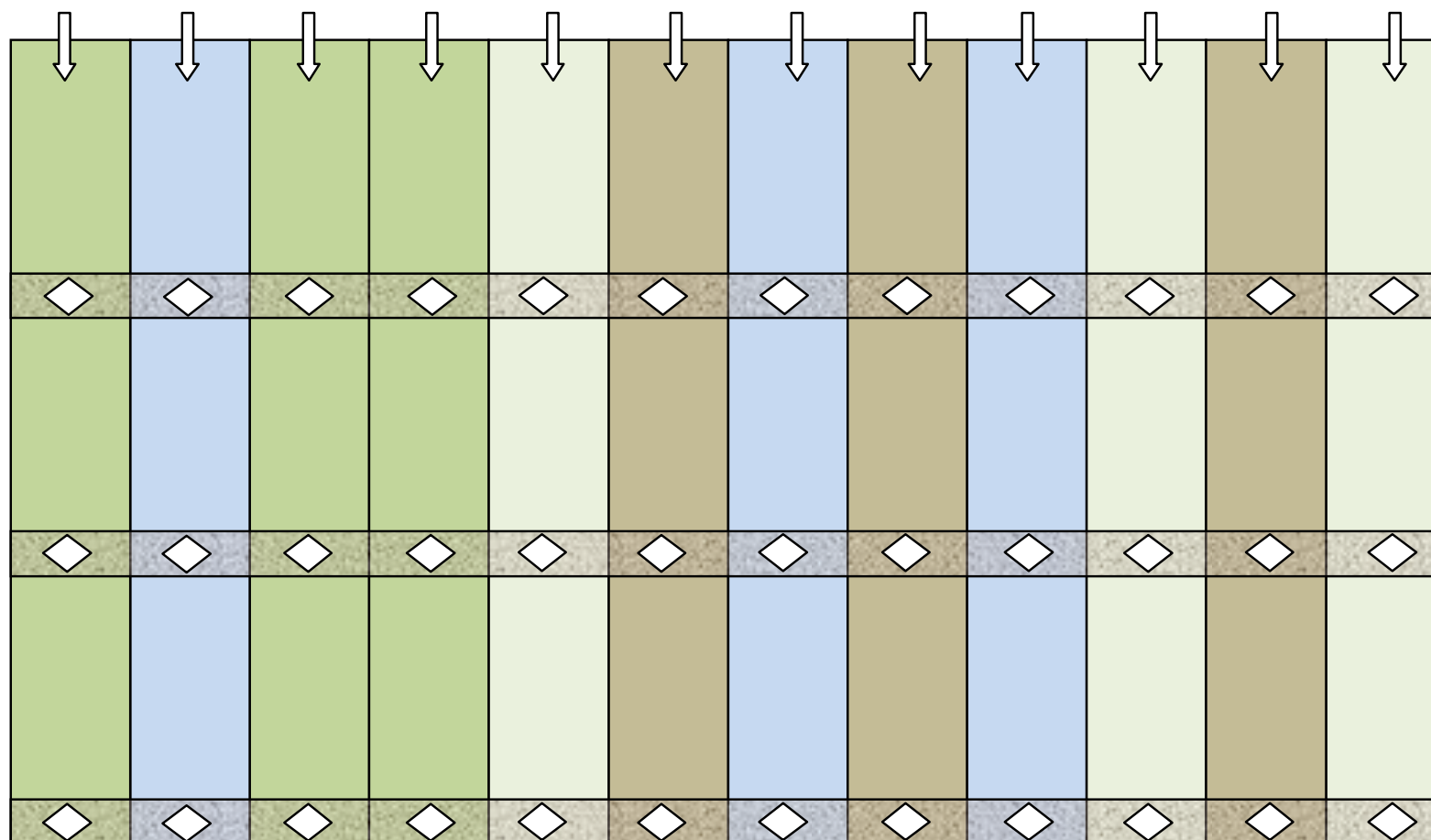










SOURCE: ESA PWA, 2013

Oro Loma Wet Weather Equalization, Treatment Wetland,  
and Ecotone Demonstration Project . D120042.01

**Figure 4**  
WWTP and Project Flow Schematic



### LEGEND

	Wet meadow/fine grained soils		French drain for mixing
	Wet meadow/coarse grained soils		Sampling port/piezometer
	Riparian scrub/coarse grained soils		
	Mixed vegetation with depressions/swales		

SOURCE: ESA; Peter Dr. Baye

Oro Loma Wet Weather Equalization, Treatment Wetland,  
and Ecotone Demonstration Project . D120042.01

**Figure 5**  
Schematic Representation of Ecotone Slope





SOURCE: Monk and Associates, 2011; ESA

Oro Loma Wet Weather Facility . 120042.01  
**Figure 6**  
Waters of the U.S. Impact Map





SOURCE: Monk and Associates, 2011; ESA

Oro Loma Wet Weather Facility . 120042.01

**Figure 7**  
Compensatory Mitigation - Created Wetlands