

Project Background

The Agoura Hills Storm Water Diversion Project aims to divert approximately 1 MGD of dry weather and 2 MGD of the first flush storm event for treatment and reuse at Tapia Water Reclamation Facility (WRF).

The goal of the Project is to address drainage quality throughout the City of Agoura Hills, which will benefit receiving waters including Malibu Creek and the North Santa Monica Bay while providing a local source of water to Las Virgenes Municipal Water District (LVMWD) for treatment and reuse.

Project Status: Construction Ready

Total Funding Requested: \$2,972,448.80

Project Overview

- The 10 Project locations were selected based on the proximity of the storm drain and sewer, the ability to accommodate gravity flow, and visual inspections of regular dry weather flows.
- The regional water management plan included in this project is the Malibu Creek Enhanced Watershed Management Program (EWMP).
- Improve water quality in local receiving waters and downstream water bodies.
- A reduction in stormwater and urban runoff pollution.
- The Project's largest area will improve the numerous receiving waterbodies that contribute to the Malibu Creek.

Project Details

- A precast diversion structure will divert low-flow drainage from various existing LACFCD storm drains by an installed adjustable weir.
- The Project will be a gravity operated system that will not rely on pumps or other complex mechanical systems to operate.
- An electric actuator will be installed to provide the capability of working remotely to "turn off" diversion flow to the sanitary sewer.
- A flow meter will be installed to confirm the system is operating as expected and collect data on diverted flows.

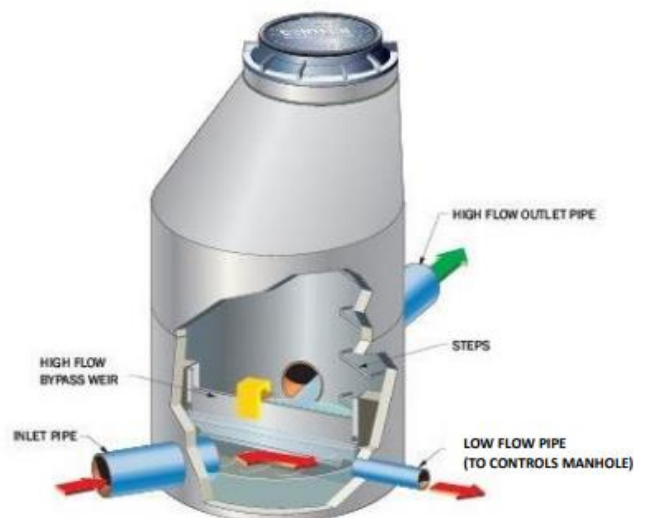


Figure 1 Typical Low Flow Diversion Structure Diagram

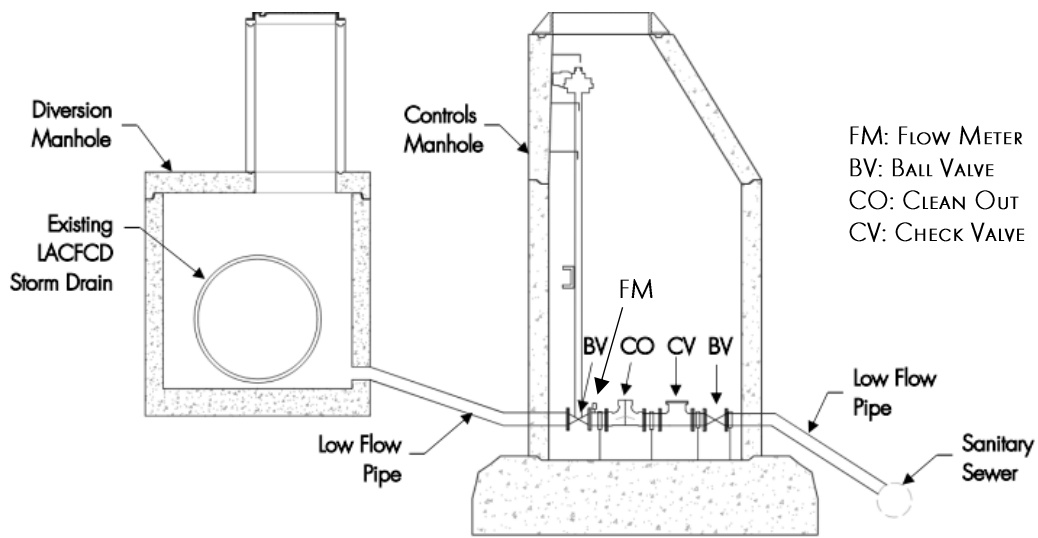
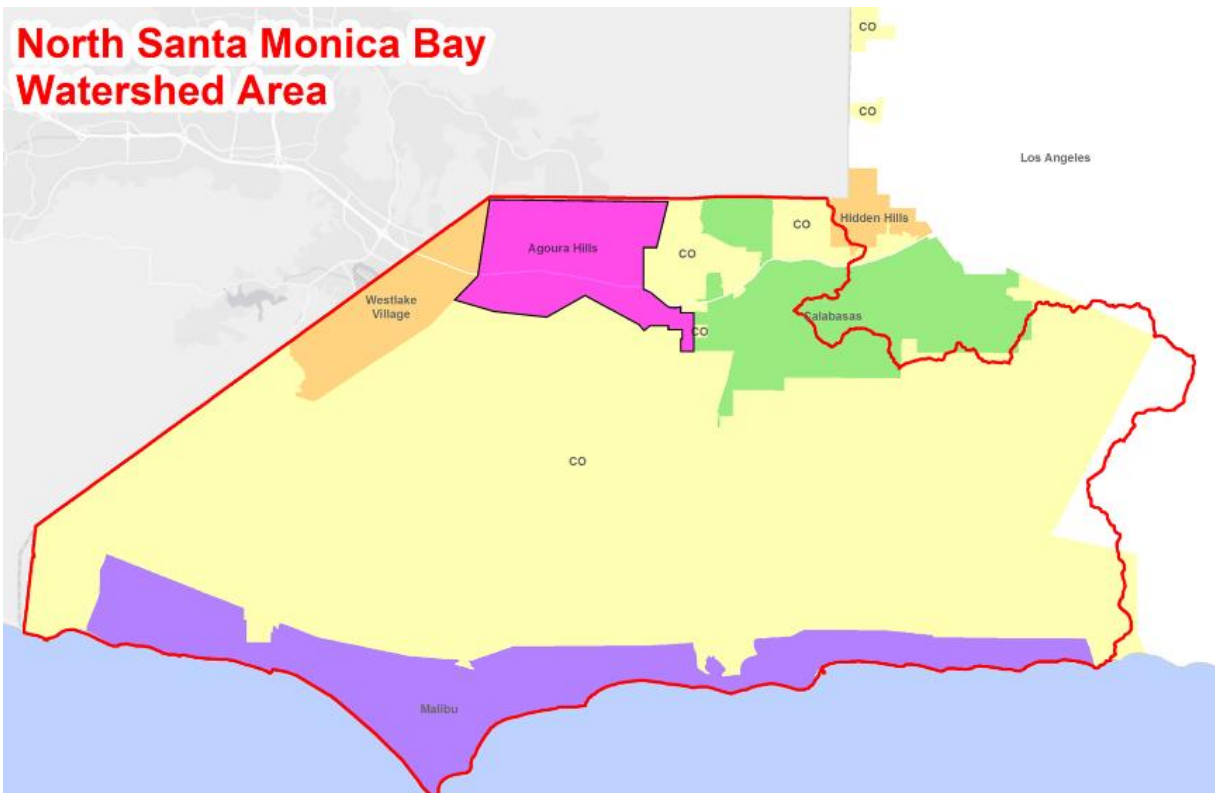


Figure 2 Low Flow Piping Diversion Profile

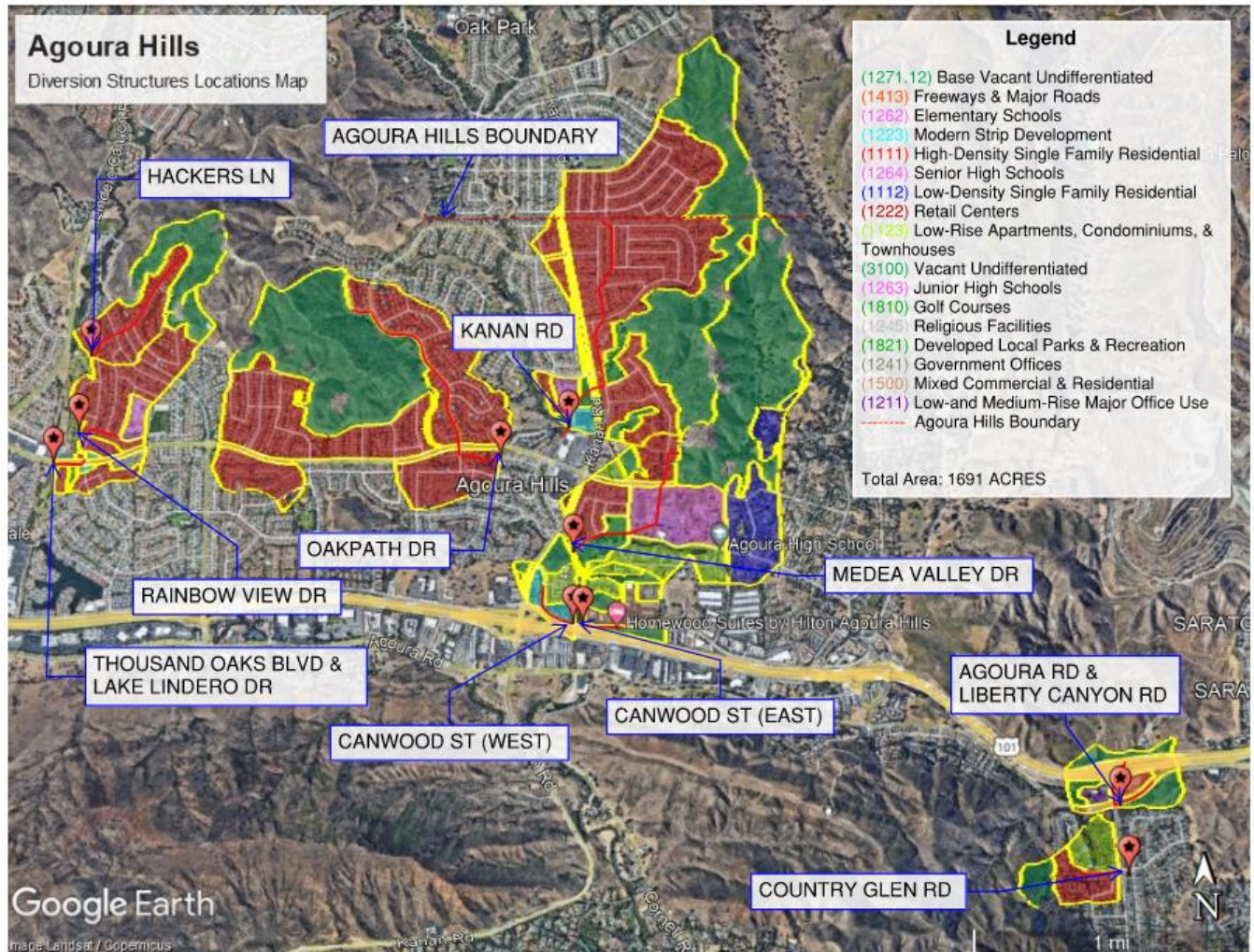
Project Location



Agoura Hills Storm Water Diversion Project

Infrastructure Program Executive Summary

North Santa Monica Bay, City of Agoura Hills, 2024-2025



Agoura Hills Storm Water Diversion Project
Infrastructure Program Executive Summary
North Santa Monica Bay, City of Agoura Hills, 2024-2025



Preliminary Score				
Benefit	Score	Description		
Water Quality	40	<ul style="list-style-type: none">Primary mechanisms that achieve Water Quality and Water Supply Benefits claimed100% Dry Weather Collection and TreatmentTributary Area: 1696 acresVarious Pollutant Reduction as Associated with Dry Weather		
Water Supply	25	<ul style="list-style-type: none">Annual Water Supply Volume: 2 MGD to Tapia WRF (Peak First Flush Flows)Water Supply Use (irrigation, water storage, and water recycling)		
Community Investment	2	<ul style="list-style-type: none">Visual Improvements to Storm Drain OutfallsRecreational Enhancements at Lake Lindero Golf Course		
Nature Based Solutions	0			
Leveraged Funds	3	<ul style="list-style-type: none">Portion of Construction Funding Acquired through IRWMP Grant42% funding matched		
Community Support	4	<ul style="list-style-type: none">Local Community, State, and Las Virgenes Municipal Water District SupportNumerous In-person and Virtual Outreach Events to Inform the Community		
TOTAL	74			
Project Cost & Schedule				
Phase		Description	Cost	Completion Date
Design		Awarded Contract for Design	\$359,810.00	08/2023
Construction		Engineers Construction Estimate for Project	\$2,221,953.27	07/2024
TOTAL			\$2,581,763.27	
Funding Request				
Year	SCW Funding Request	Phase	Efforts during Phase and Year	
1	\$970,503.27	Construction	Cost estimate includes the remaining balance not covered by the Prop 1 grant for construction costs.	
1	\$380,219.22	O&M	Operation and Maintenance for the First Year of Operation	
1	\$18,060.00	Monitoring	Sampling, Testing, and Analysis of diverted stormwater.	
2	\$380,544.21	O&M	2 nd Year O&M Request with 2% Inflation (Does not include Inflation on LVMWD Collection Rates)	
2	\$18,421.20	Monitoring	2 nd Year Monitoring Request with 2% Inflation	
3	\$381,459.36	O&M	3 rd Year O&M Request with 2% Inflation (Does not include Inflation on LVMWD Collection Rates)	
3	\$18,789.62	Monitoring	3 rd Year Monitoring Request with 2% Inflation	
4	\$382,392.82	O&M	4 th Year O&M Request with 2% Inflation (Does not include Inflation on LVMWD Collection Rates)	
4	\$19,165.42	Monitoring	4 th Year Monitoring Request with 2% Inflation	
5	\$383,344.94	O&M	5 th Year O&M Request with 2% Inflation (Does not include Inflation on LVMWD Collection Rates)	
5	\$19,548.72	Monitoring	5 th Year Monitoring Request with 2% Inflation	
TOTAL	\$2,972,448.80			

- A future potential SCW funding request could potentially be for O&M over the Project's life cycle.