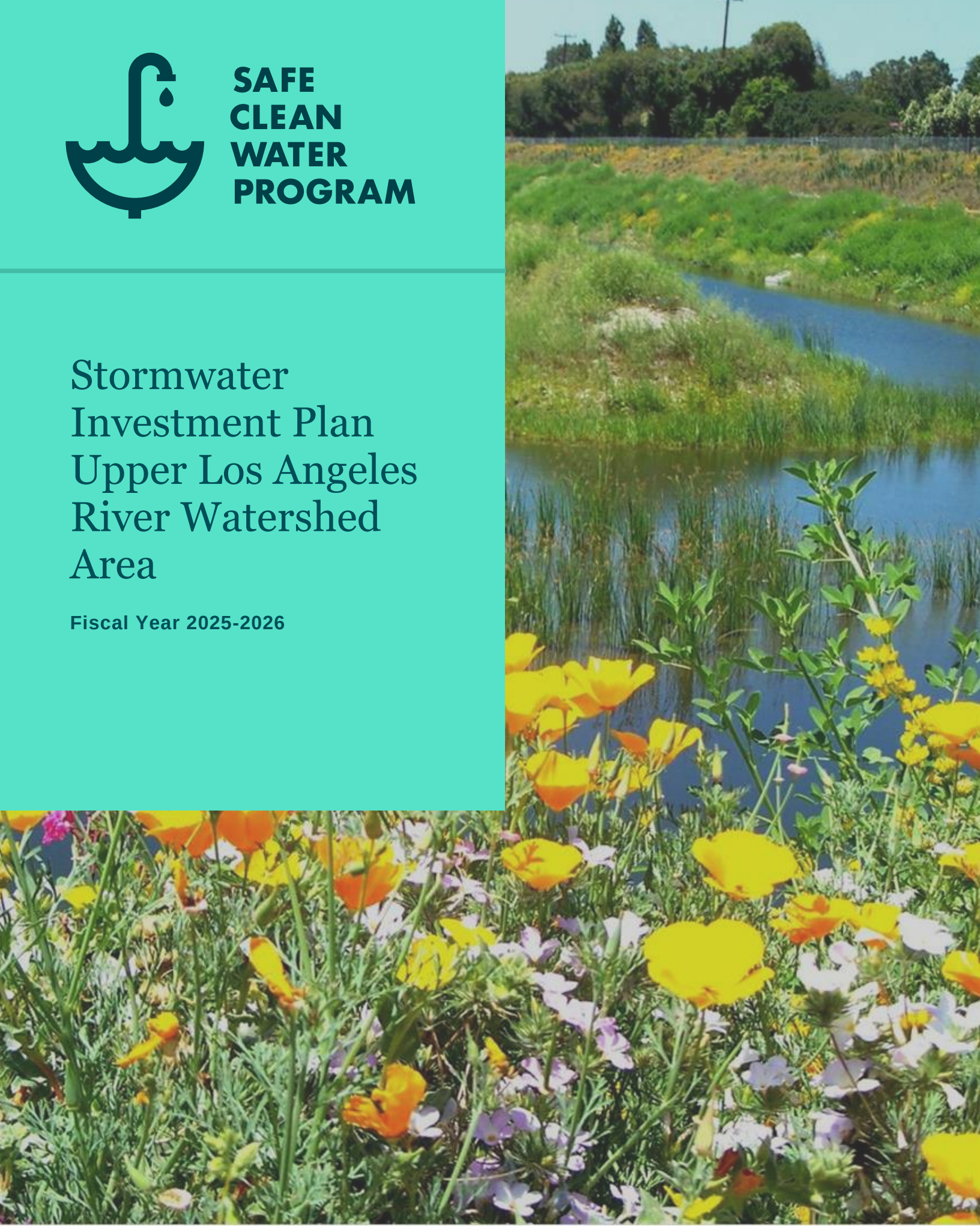
SAFE CLEAN WATER PROGRAM

Stormwater Investment Plan Upper Los Angeles River Watershed Area

Fiscal Year 2025-2026



SAFE CLEAN WATER PROGRAM

Stormwater Investment Plan
Upper Los Angeles River Watershed Area

The Stormwater Investment Plan (SIP) is an annual five (5) year plan developed by each Safe, Clean Water Program (SCWP) Watershed Area Steering Committee (WASC) that recommends funding allocations for Projects and Programs in the Regional Program's Infrastructure Program, Technical Resources Program, and Scientific Studies Program.

The purpose of the SIP is to capture recommended programming for the upcoming fiscal year as well as anticipated recommendations for the next four subsequent years.

The following sections include details regarding the recommended SIP:

Attachments:

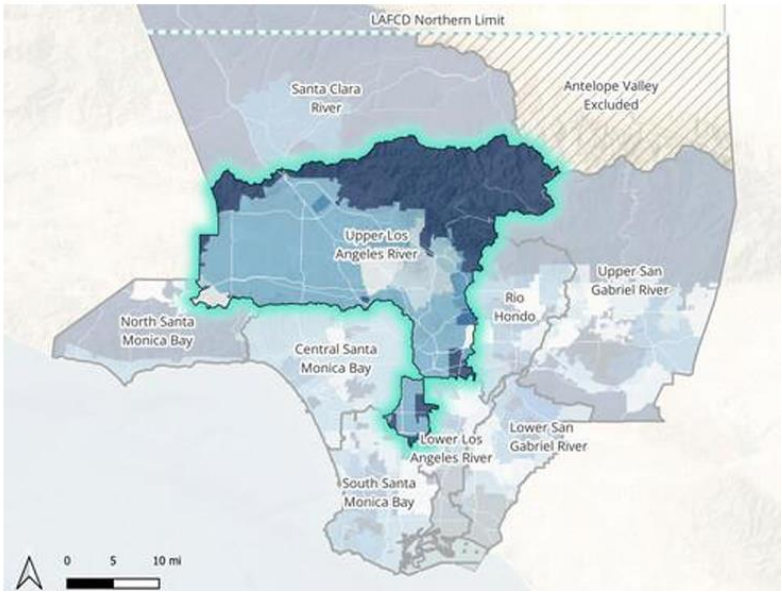
- Attachment A – Final Recommended SIP
- Attachment B – Summary to Date
- Attachment C – Project Modification Requests Forms

Please review the recommended SIP and select one of the following:

	Regional Oversight Committee (ROC) concurs with the recommended SIP as-is
	Refer to ROC meeting minutes for comments

Upper Los Angeles River Watershed Area Background

The Upper Los Angeles River (ULAR) Watershed Area is located in the midwest portion of Los Angeles County and is within LA County Supervisorial Districts 3 and 5, and portions of Supervisorial District 1 and 2. The Watershed Area covers approximately 613 square miles and overlies the Central, Verdugo, Sylmar, San Fernando, Raymond, Eagle Rock, and Main San Gabriel Basin. The Hollywood Basin is also partially within the Watershed Area.



Waterways

The ULAR Watershed Area refers to the upper portion of the Los Angeles River. The Los Angeles River extends approximately 51 miles and drains into the Pacific Ocean.

Cities & Demographics

The Watershed Area includes 12 municipalities and unincorporated areas of Los Angeles County, including: Alhambra, Burbank, Calabasas, Glendale, Hidden Hills, Monterey Park, La Cañada Flintridge, Los Angeles, Pasadena, San Fernando, Santa Clarita, and South Pasadena.

45% of residents in the watershed are classified as living in a disadvantaged community. The ULAR Watershed Area also includes a population of members from the Fernandeño Tataviam Band of Mission Indians, Gabrielino Tongva, Gabrielino Kizh, and Ventureño Chumash Tribal Nations.

"As the largest Watershed Area, the ULAR WASC has committed significant investments in multi-benefit stormwater capture. With limited available funding, the WASC has had to evaluate project submittals and modification requests strategically, prioritizing those that benefit disadvantaged communities and advance water quality compliance. As the Program progresses, the Committee is dedicated to ensuring that continuing projects are meeting SCW Program goals and finding opportunities to communicate the benefits and lessons learned."

-ULAR WASC Chair Teresa Villegas

1 Executive Summary

The ULAR WASC requests that the ROC advance the recommended Fiscal Year 2025-2026 (FY25-26) SIP to the Board of Supervisors for approval. The recommended SIP includes funding for three new scientific studies (SS) with funding for the Street Sweeping Study front loaded to FY25-26, three new Technical Resources Program (TRP) project concepts, all continuing projects including two PMRs with additional funding requests, and three Watershed Coordinators. The recommended SIP allocates 72% of available funding in FY25-26 (Table 1-1).

The included Projects were selected based on information drawn from applications and proponent presentations, and robust discussion of Project benefits, anticipated future funding requests, and available funding. The recommended SIP addresses the required funding thresholds including ratio of funding allocated to Infrastructure Program (IP) Projects, Technical Resources Program (TRP) Project concepts, and SS (Table 4-1) and the required disadvantaged community benefits ratio of 45% (Table 4-2).

During deliberations, the WASC discussed the importance of staying below the 80% funding allocation to reserve the remaining 20% of funds for future uncertainties, including new projects, O&M support, and PMRs.

Four key topics were the focus of the WASC:

- How current economic landscape can impact budgets and timelines of approved projects
- Supporting projects and studies that remain essential priorities for the Watershed Area
- Supporting the full funding of PMRs so that their full project benefits can be realized
- Funding TRPs that will help identify feasible Infrastructure Program (IP) Project Concepts

During the April 2, 2025 meeting, the WASC voted to approve the recommended SIP with 11 votes in favor, 0 opposed, 0 in abstention, and 1 absent at time of vote. Meeting minutes are available here with in depth summary of the deliberation and vote.

1.1 Summary of Anticipated Benefits

Development of additional project benefit metrics are currently being incorporated through ongoing adaptive management efforts, including updates to the Reporting and Application

Modules and Initial Watershed Planning. Based on the best available data, the following anticipated benefits are expected to be created through the SIP:

- Area managed by Projects: 21,324 acres
- Project Storage Capacity: 2,278 acre-feet
- Annual Average Stormwater Capture: 36,347 acre-feet

Table 1-1 Summary of SIP FY25-26 Allocations

SIP Allocations						
	FY25-26 Budget	FY26-27 Projection	FY27-28 Projection	FY28-29 Projection	FY29-30 Projection	Totals
Anticipated Available Funds[1]	$47.9M	$51.8M	49.2M	$45.3M	68.8M	-
Total Allocated to IP	$30.5M	$39.9M	$41.6M	$14.0M	$5.0M	$130M
Total Allocated to SS	$2.1M	$937K	$444K	$221K	$0	$3.7M
Total Allocated to TRP	$1.8M	$600K	$600K	$600K	$600K	$4.2M
Total Allocation	$34.4M	$41.4M	$42.6M	$14.8M	$5.6M	$138.0M
Percent Allocated	**72%**	**80%**	**88%**	**33%**	**8%**	**-**

[1]**Anticipated Available funds include annual regional program funds collected, carryover from previous SIPs, and unused funds returning to the Watershed Area.**

Refer to Attachment A or the SIP tool for the Final Recommended SIP with additional project details.

Below is a summary of the total funding allocated to projects in the recommended SIP, including both new projects and previously approved projects.

1.2 Newly Submitted Projects, Studies, and Concepts

The recommended SIP includes full funding for all 3 submitted TRPs and all 3 submitted SS with funding for the Street Sweeping Study front loaded to FY25-26. More detail about SS that were considered is provided in Section 6.

Table 1-2 Summary of New Funding Allocations in Recommended SIP

New Funding Allocations				
Submitted	Included in SIP	Funded project name	Funding Allocations FY25-30	Program
0	0	*(There was no Call for Projects for Infrastructure Program in FY25-26)*		Infrastructure Program (IP)
3	3	Cindy Montañez Natural Park Feasibility Study .	$400,000	Technical Resources Program (TRP)
		La Cañada Town Center Stormwater Infiltration Galleries	$400,000	
		Crescenta Valley Park Stormwater Capture Project	$400,000	
3	3	Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County	$49,111	Scientific Studies (SS)
		Street Sweeping Study (ULAR)	$688,350	
		Quantifying Community Flood Management Benefits	$470,000	
6	**6**		**$2,407,461**	**Total**

1.3 Continuing Projects and Studies

The recommended SIP includes funding for all continuing projects, including 23 continuing IPs, 3 continuing SS, and TRP funding for the Watershed Coordinators. Project Developers represent 4 municipalities, 3 community-based organizations or non-profits, 3 schools, colleges or university, and 4 agencies. Below is a summary of continuing projects and anticipated total funding remaining between FY 25-30. Additional details about anticipated project benefits are included in Table 2-1.

Table 1-3 Summary of Continuing Projects and Studies in Recommended SIP

Continuing Projects, Studies			
Funded project name	Project Developer	Anticipated total remaining FY25-30	Program
Bowtie Demonstration Project	The Nature Conservancy	$1,457,388	Infrastructure Program (IP)
Green Street Demonstration Project on Main Street	City of Alhambra	$1,042,000	
Emerald Necklace John Muir High School Campus Natural Infrastructure Improvement Project	Amigos de Los Rios	$369,600	
California Avenue and Adjacent Streets	City of Glendale	$164,706	

Continuing Projects, Studies			
Funded project name	Project Developer	Anticipated total remaining FY25-30	Program
Stormwater Capture Project			
Earvin “Magic” Johson Parks Operation and Maintenance Project	Los Angeles County Public Works	$975,000	
Hollenback Park Lake Rehabilitation Project	City of Los Angeles	$23,019,755	
Sylmar Channel Project	City of Los Angeles	$3,526,414	
Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project	City of Los Angeles	$6,387,886	
Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project	Descanso Gardens Foundation	$7,103,656	
Watts Civic Center Serenity Greenway	City of Los Angeles	$549,200	
Jackson Elementary School Campus Greening and Stormwater Quality Improvement Project	Amigos de Los Rios and Pasadena Unified School District	$176,200	
Whitsett Fields Park North Stormwater Capture Project	City of Los Angeles	$4,195,000	
Echo Park Lake Rehabilitation Operations and Maintenance	City of Los Angeles	$960,000	
Los Angeles Pierce College Northeast Campus Stormwater Capture & Use and Biofiltration Project	Los Angeles Community College District and BuildLACCD	$3,800,000	
Altadena Mariposa Green Street Demonstration Project	Amigos de Los Rios	$9,000	
David M. Gonzales Recreation Center Stormwater Capture Project	City of Los Angeles	$28,721,714	
Valley Plaza Park Stormwater Capture Project	City of Los Angeles	$22,214,000	
Broadway-Manchester Multi-Modal Green Streets Project	City of Los Angeles	$2,833,000	

Continuing Projects, Studies			
Funded project name	Project Developer	Anticipated total remaining FY25-30	Program
Lincoln Park Neighborhood Green Street Network	City of Los Angeles	$7,453,832	
Arroyo Seco-San Rafael Treatment Wetlands	City of Pasadena	$2,279,221	
Active Transportation Rail to River Corridor Project – Segment A	Los Angeles Metropolitan Transit Authority	$375,000	
Oro Vista Local Area Urban Flow Management Project	City of Los Angeles	$2,118,120	
Lankershim Boulevard Local Urban Flow Management Network Project	City of Los Angeles	$11,139,380	
ULAR Watershed Coordinators	Los Angeles County Flood Control District	$3,000,000	Technical Resources Program (TRP)
Identifying Best Practices for Maintaining Stormwater Drywell Capacity	California State Polytechnic University, Pomona	$858,206	Scientific Studies (SS)
Regional Pathogen Reduction Study	Gateway Water Management Authority	$1,511,518	
preSIP: A Platform for Watershed Science and Project Collaboration	San Gabriel Valley Council of Governments	$113,080	
Total		**$136,452,876**	

1.4 Project Modification Requests (PMRs)

The ULAR WASC received one consistent PMR and two inconsistent PMRs. The two inconsistent PMRs are for IP projects, both of which requested additional funding. The final SIP recommends approval of the full additional funding requests.

Table 1-4 Summary of PMR Submissions and Additional Funding Awards

PMR Submissions*				
Project name	Modification Details	Original funding award	Additional funding request	New funding total– WASC approved
Rory M. Shaw Wetlands Park Project	Consistent – Schedule update, total construction cost increase but no change in funding request	$10,000,000	$0	-
Los Angeles Pierce College Stormwater Capture & Use and Biofiltration Project	Inconsistent – functionally equivalent BMP modification, increased funding request	$5,243,675	$3,800,000 (+72% increase)	$9,043,675
Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project	PMR 1: Consistent - Like-for-like modifications PMR 2: Inconsistent - Functionally equivalent BMP mod, change in methodology, minor modification to budget/schedule where total funded amount is unchanged, change in leverage funding amount, increased funding request	$6,848,600	$3,000,000 (+44% increase)	$9,848,600
Total		**$12,092,275 (PMRs with additional funding request)**	**$6,800,000 (+56% increase)**	**$18,892,275**

***For more information on PMR's, see Section 3.1.7 to 3.1.9.**
Consistent – PMR consistent with previously approved SIP
Inconsistent – PMR inconsistent with previously approved SIP

2 Projected Watershed Area Benefits

Below is a summary of the estimated aggregate benefits for Infrastructure Program (IP) Projects included in the approved FY20-21, FY21-22, FY22-23, FY23-24, FY24-25, and recommended FY25-26 SIP. *Note: There was no Call for Projects for Infrastructure Program in FY25-26*

Table 2-1. Summary of estimated benefits for IP Projects to date

Number of Benefits Provided by Infrastructure Program Projects	
Stormwater Benefits	
21,324	Area Managed by Projects (acres)
2,277.81	Project Storage Capacity (acre-feet)
36,346.51	Annual Average Stormwater Capture (acre-feet)
59.94	Dry Weather Inflow to Projects (cubic feet per sec)
Primary Pollutant Addressed	
22	Zinc
5	Bacteria
3	Nitrogen
5	Other*
Water Supply Benefits	
25	Connected to Aquifer
1	Sends to WW Treatment Plant for Reuse
10	Uses Water Onsite
Community Investment Benefits	
31	Reduces Heat Island Effect
27	Provides Recreational Opportunities
33	Increases Shade and Trees
31	Improves Flood Protection
10	Improves Waterways Access
30	Enhances Habitat or Park Space
11	Enhances Green Spaces at Schools
Nature-Based Solutions	
35	Mimics Natural Processes
34	Uses Natural Materials
Leveraging Funds	
30	Leverages Shared Funding

***Primary Pollutant Addressed does not apply to Dry Weather Projects. Therefore, Dry Weather Projects are categorized as "Other".**

3 SIP Deliberation Process

The Call for Projects for FY25-26 funding ended on July 31, 2024. Facilitated by Los Angeles County Public Works (PW) staff, the WASC held 9 meetings between July 2024 and April 2025, at which they discussed and reviewed all necessary items to ultimately develop their recommended FY25-26 SIP. Refer to the Upper Los Angeles River WASC webpage for the current list of WASC members, meeting dates, and meeting materials. Refer to the Upper Los Angeles River WASC Archive webpage for all past meeting information and materials.

3.1 Summary of Meetings

3.1.1 August 7, 2024

The SCWP Watershed Planning staff facilitated a workshop in which WASC members identified strategies they would like to see implemented through future Projects and Studies to meet SCWP goals in the ULAR Watershed Area.

For more information, refer to the August 7, 2024 Meeting Minutes.

3.1.2 September 4, 2024

The WASC received a Roles and Responsibilities presentation that informed new members, and reminded returning members, of their obligations and goals as members of the WASC.

The Watershed Coordinators provided an update of the ULAR Strategic Outreach and Engagement Plan (SOEP) for FY24-25.

The WASC voted and re-selected Chair and Vice-Chair (Teresa Villegas and Karo Torossian).

For more information, refer to the September 4, 2024 Meeting Minutes.

3.1.3 October 2, 2024

The WASC received a summary of FY23-24 Quarter 1 and Quarter 2 progress and expenditure reports.

The Watershed Coordinators provided an overview of the 3 Scientific Studies Program applications and 4 Technical Resources Program applications submitted for FY25-26 Call for Projects.

For more information, refer to the October 2, 2024 Meeting Minutes.

3.1.4 November 21, 2024

The SCWP Watershed Planning staff provided an update on the Initial Watershed Plan Framework and the Community Strengths and Needs Assessment (CSNA).

For more information, refer to the November 21, 2024 Meeting Minutes.

3.1.5 December 4, 2024

Prior to this meeting, the applicant for the Pickens and Halls Stormwater Infiltration Galleries Project Concept notified PW staff of the withdrawal of their application to the Technical Resources Program.

The WASC received presentations from 2 of the 3 remaining submitted Technical Resources Program applicants and 1of the 3 Scientific Study applicants:

- Cindy Montañez Natural Park Feasibility Study (TRP)
- La Cañada Town Center Stormwater Infiltration Galleries (TRP)
- Street Sweeping Study (SS)

Each applicant was allotted 10 minutes of presentation time with 10 minutes for questions and answers; additional time for presentation or Q&A was accommodated when necessary.

For more information, refer to the December 4, 2024 Meeting Minutes.

3.1.6 January 16, 2025

The WASC received presentations from the remaining 1 of the 3 submitted Technical Resources Program applicants and 2 of the 3 submitted Scientific Study applicants:

- Crescenta Valley Park Stormwater Capture Project (TRP)
- Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County (SS)
- Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture (SS)

For more information, refer to the January 16, 2025 Meeting Minutes.

3.1.7 February 5, 2025

The WASC received an overview of the Project Modification Request (PMR) process based on the Project Modification Guidelines and received a summary of determinations on each PMR submitted. Three PMR forms were submitted for previously approved Projects. Each PMR form was reviewed by PW staff and determined either consistent or inconsistent with the approved SIP. Ultimately, 1 PMR form was deemed consistent (Rory M. Shaw Wetlands Project PMR) with the approved SIP, while the 2 were deemed inconsistent (Los Angeles Pierce College Stormwater Capture & Use and Biofiltration Project and Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project). Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project submitted 2 PMRs for consideration, which was combined and counted as a single PMR for the review process. PMRs that were deemed consistent with the approved SIP required no further action from the WASC. PMRs that were determined to be inconsistent with the approved SIP were returned to the WASC for discussion on inclusion in the pending SIP as described in Section 3.1.8 and 3.1.9.

The PMR submitted by the Los Angeles County Flood Control District for the *Rory M. Shaw Wetlands Park Project* was deemed consistent by PW staff as their proposed modification was a schedule change that did not impact the funded activity completion date.

The PMR's deemed inconsistent were due to increases in funding requested. The Los Angeles Community College District's *Los Angeles Pierce College Stormwater Capture & Use and Biofiltration Project*, originally funded for $5.2M, requested an additional $3.8M. The Descanso Garden's Foundation's *Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project*, originally funded for $6.8M, requested an additional $3M. The Project Developers for both PMR's cited inflation as the reason for their modified requests. Their cost estimates for construction have drastically changed from their original estimates early in the planning phases of their projects. Both Project Developers assured the WASC that their increased request would ultimately result in their projects being constructed and that they would not come back to the WASC to seek additional funds in the future.

For more information, refer to the February 5, 2025 Meeting Minutes.

3.1.8 March 5, 2025

The WASC received a Peer Review Summary of FY25-26 Scientific Studies, where CASC Engineering evaluated objectives, technical approaches, and whether each of the Studies met the goals of the SCWP.

- Data-Driven Resource Optimization and Planning System (DROPS) – FY25-26 Peer Review Summary
- Street Sweeping Study (ULAR) – FY25-26 Peer Review Summary
- Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture – FY25-26 Peer Review Summary

The WASC received a summary and presentation of FY23-24 Quarter 3 and Quarter 4 progress and expenditure reports that showcased a more streamlined process for reviewing progress and expenditure reports from continuing Projects, and Studies.

The WASC began deliberating on the SIP. Ahead of this meeting, PW staff provided WASC members with a Summary of Resources for FY25-26 ULAR SIP, which included links to all information discussed in meetings that helped them have a robust discussion and make an informed decision. WASC members provided preliminary rankings of the FY25-26 New Studies, TRPs and PMR's under consideration via an online survey. The results are summarized in the tables below and intended to set a starting point for SIP deliberations.

Table 3-1. Preliminary WASC Scientific Studies rankings

Program	Project Name	Program Place	Overall SCWP Place
TRP	Cindy Montañez Natural Park Feasibility Study	1	9
TRP	Crescenta Valley Park Stormwater Capture Project	2	6
TRP	La Cañada Town Center Stormwater Infiltration Galleries	3	7
SS	Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County	1	6
SS	Street Sweeping Study (ULAR)	1	7
SS	Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture	3	3

Table 3-2. Preliminary WASC PMR scores and rankings

Program	Project Name	Number of Committee Rankings	Program Place
PMR (IP)	Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project	7	1
PMR (IP)	Los Angeles Pierce College Stormwater Capture & Use and Biofiltration Project	5	2

PW staff highlighted the baseline SIP Tool scenario, in which continuing projects and studies funding remained unchanged, and no new applications for project concepts, studies, or additional funding requests from PMRs were included. Figure 3-1 below illustrates the constrained SIP budget and underscored the need for developers and WASC to defer funding to make room for any new studies, concepts, or additional funding requests from PMRs.

	Budget	Projections					
	FY25-26	FY26-27	FY27-28	FY28-29	FY29-30	TOTAL	Annual O&M
A.1 Anticipated Annual Regional Program Funds Collected	$38.3M	$38.3M	$38.3M	$38.3M	$38.3M	$192M	
A.2 Carryover from Previous SIP	$9.5M	$6.5M	$641k	$10M	$33.8M		
A.3. Removed Projects and Unused TRP Funds	$41.7k	$0	$0	$0	$0		
A. Anticipated Regional Program Funds Available (A.1 + A.2 + A.3)	$47.9M	$44.9M	$39M	$48.3M	$72.1M		
B.1 Total Allocated in Previous SIP(s)	$41.3M	$44.2M	$28.9M	$14.6M	$600k	$130M	$8.3M
B.2 Total Recommendation in Current SIP	$0	$0	$0	$0	$0	$0	$0
B. Total Allocated and Recommendation in SIP (B.1 +B.2)	$41.3M	$44.2M	$28.9M	$14.6M	$600k	$130M	Total: $8.3M
C. Carryover in Current SIP (A - B)	$6.5M	$641k	$10M	$33.8M	$71.5M		
D. Percent Allocated (B / A)	86%	99%	74%	30%	1%	64%	

Figure 3-1. Baseline SIP Tool funding scenario with unchanged funding for continuing projects and studies, and no new study, concept or additional funding requests.

For more information, refer to the March 5, 2025 Meeting Minutes.

3.1.9 April 2, 2025

The WASC continued deliberating on the SIP and held an in-depth discussion, which included many follow-up questions of the SS applicants, TRP applicants and PMR Developers, and deliberating several different scenarios on the SIP Tool.

On behalf of the WASC and in advance of the meeting, PW staff solicited input from continuing project developers for potential adjustments to their allocated funding. This effort aimed to alleviate funding constraints for the FY25-26 SIP and ensure that the total recommended funding remains below 80% of the total Regional Program funds available. The City of Los Angeles provided adjusted funding adjustments for the following projects: Hollenbeck Park Lake Rehabilitation Project, Sylmar Channel Project, Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project, and Lincoln Park Neighborhood Green Street Network Project. Additionally, the Los Angeles Department of Water and Power provided potential funding adjustments for the Whitsett Fields Park North Stormwater Capture Project and the Valey Plaza Park Stormwater Capture Project. The WASC continued deliberating on the FY25-26 SIP with these adjusted funding proposals incorporated into its recommendation.

Ultimately, the WASC decided to recommend funding to all 3 Scientific Studies with front loaded funding to the FY25-26 for the Street Sweeping Study (ULAR) based on the preliminary ranking results (Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County, Street Sweeping Study (ULAR), Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture). Additionally, the WASC decided to recommend funding to all 3 Technical Resources Program Concepts (Cindy Montañez Natural Park Feasibility Study, Crescenta Valley Park Stormwater Capture Project, La Canada Town Center Stormwater Infiltration Galleries). They also decided to include both PMR's (Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project and Los Angeles Pierce College Stormwater Capture & Use and Biofiltration Project) for the additional funding requested, highlighting the importance of funding projects through construction.

For more information, refer to the April 2, 2025 Meeting Minutes.

3.2 Summary of Public Comment

The WASC received public comments which are available in the WASC meeting minutes on the Safe, Clean Water website. Public comments contrary the SIP, Studies, or PMRs:

- San Pascual Community Residents expressed concern for the Arroyo Seco-San Rafael Treatment Wetlands Project due to the lack of outreach in their community.

Public comments in support of the SIP, Studies, or PMRs:

- City of Los Angeles expressed support to the FY25-26 SIP by stating to be satisfied with the adjusted funding or the original funding allocations, reiterating the city's approach was to request an adjustment that would benefit the FY25-26 SIP.
- Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project received numerous public comments in support of the project.
- LA Waterkeeper expressed support for submitted Scientific Study Quantifying Community Flood Management Benefits of Watershed Scale Stormwater Capture.
- Foothill Municipal Water District expressed support for the Crescenta Valley Park Stormwater Capture Project due to the importance of building resilient systems and noted that this project would increase resiliency in the face of extreme weather fluctuations.

4 Infrastructure Program

4.1 Discussion of Criteria

As noted in previous sections, new Infrastructure Program applications were not accepted for FY25-26. Only continuing Infrastructure Program Projects from previously approved SIP are included in this final recommended SIP. Per LACFCD Code Ch18.07.B.2, the SIPs shall be developed by the WASC in accordance with the criteria described below.

4.1.1 Regional Program Allocations

Compliant with LACFCD Code Ch18.07.B.2.a

Below is a summary of the Regional Program allocations over the 5-year SIP, which includes previously approved projects.

Table 4-1. Regional Program allocations over the 5-year SIP

Funding Program	Total SCWP Funding Allocated FY25-30	Funding Distribution for Subprograms FY 25-30*
Infrastructure Program (≥85%)	$130,970,072.00	68.4 %
Scientific Studies (<5%)	$3,690,264.52	1.9 %
Technical Resources Program (<10%)	$4,200,000.00	2.2 %

Funding Program	Total SCWP Funding Allocated FY25-30	Funding Distribution for Subprograms FY 25-30*
Grand Total	$138,860,336.52	

*Note: The funding distribution for the Infrastructure Program is based off of the total funding allocated over the 5-year period. The funding distributions for Scientific Studies and Technical Resources Program are based on the total revenue collected for the 5-year period.

4.1.2 Disadvantaged Communities (DAC) Benefits

Compliant with LACFCD Code Ch18.07.B.2.c.

Based on the total Infrastructure Program funding allocations for the SIP and the ratio of the DAC population to the total population in each Watershed Area, funding for Projects that provide DAC Benefits over the 5-year SIP shall not be less than the value shown below. Below is an overview of Funding Allocated for DACs from FY25-30.

Table 4-2. Funding allocated for DACs over the 5-year SIP

Disadvantaged Community (DAC) Allocation	
Required DAC Ratio	45%
Required Funding for DACs FY30 (110%)	$64,974,253
Funding Allocated for DACs FY30	$116,906,296

***Note: These figures are based on the 2020 US Census and will be updated periodically.**

As shown, the total Safe, Clean Water Funds benefiting DACs over a rolling 5-year period for the recommended SIP is greater than the required funding for DACs for this Watershed Area. To better assist with and standardize this determination in the future, the District updated interim guidance for implementing Disadvantage Community Policies in the Regional Program. Interim guidance is available on the SCWP website.

4.1.3 Leveraged Funds and Community Support

Although Infrastructure Program applications were not accepted for FY25-26, Project Developers for continuing projects continue to seek leveraged funding opportunities to complement SCWP funding.

4.1.4 Long Term Planning Considerations

The WASC incorporated long term planning by considering anticipated future construction costs for previously approved projects during SIP development. In the past, future anticipated construction costs were estimated and confirmed by project applicants. This year, an enhanced hypothetical scenario was developed that includes potential construction costs and Operations and Maintenance (O&M) for projects that have only been funded for design, inflation costs, and a 50% assumption of leveraged

funds. Actual future SCWP funding requests for construction may differ due to updated project estimates, leveraged funding, awarded grants, or local match.

In addition, the annual O&M projections provided in the Project applications for previously approved Projects were included in the SIP Tool and shown below. The recommended SIP anticipates a total annual O&M cost of $8.3M of the anticipated $38.3M annual Regional Program funds collected and will be accounted for in future SIPs.

Below is a summary of the total funding allocated per year in the recommended SIP, including estimated construction costs for previously approved projects. This represents the theoretical SIP projections based on currently anticipated additional funding requests to cover subsequent phases.

	Budget	Projections					
	FY25-26	FY26-27	FY27-28	FY28-29	FY29-30	TOTAL	Annual O&M
A.1 Anticipated Annual Regional Program Funds Collected	$38.3M	$38.3M	$38.3M	$38.3M	$38.3M	$192M	
A.2 Carryover from Previous SIP	$9.5M	$13.5M	$-12.1M	$-39M	$-40M		
A.3. Removed Projects and Unused TRP Funds	$41.7k	$0	$0	$0	$0		
A. Anticipated Regional Program Funds Available (A.1 + A.2 + A.3)	$47.9M	$51.8M	$26.2M	$-727.3k	$-1.7M		
B.1 Total Allocated in Previous SIP(s)	$31.9M	$63.9M	$65.3M	$39.3M	$14.6M	$215M	$8.3M
B.2 Total Recommendation in Current SIP	$2.4M	$0	$0	$0	$0	$2.4M	$0
B. Total Allocated and Recommendation in SIP (B.1 +B.2)	$34.4M	$63.9M	$65.3M	$39.3M	$14.6M	$217M	Total: $8.3M
C. Carryover in Current SIP (A - B)	$13.5M	$-12.1M	$-39M	$-40M	$-16.3M		
D. Percent Allocated (B / A)	72%	123%	249%	5504%	951%	108%	

Note: This is not the recommended SIP.

A is the sum of Total Anticipated Annual Regional Program Funds Available and B is the sum of Total Recommended in Current SIP and Total Allocated in Previous SIP(s).

C is the Remaining Balance.

Figure 4-1. SIP Tool final funding scenario annual budget, including theoretical construction and O&M costs with leveraged funding for FY25-30.

Refer to the SIP tool or the “Final – 4/2/2025 with Potential Future IP Costs” scenario. As shown in the theoretical SIP, other funding sources will be required to bring all projected Projects to completion, and most of the members in the WASC were confident

in the Watershed Area's ability to do so. If unable to do so, the WASC understands they will need to defer the construction of certain Projects to occur in later years.

4.1.5 Other Considerations

As previously noted, the SCWP did not accept any applications for the Infrastructure Program for FY25-26. The only Infrastructure Program Projects included in the SIP are those continuing Projects that were earmarked funds in FY25-30 in previous SIP's. The WASC had several opportunities to inquire about the status of these Projects. The WASC was presented progress report summaries for these Projects at March 5, 2025, and April 2, 2025 meetings. Project Developers were present at all meetings to respond to any questions or concerns from the WASC. For more details on these Projects, see Section 7.

5 Technical Resources Program

Per LACFCD Code Ch18.07.D, the purpose of the Technical Resources Program is to provide Technical Assistance Teams to assist with the development of Feasibility Studies and to provide Watershed Coordinators.

5.1 Submitted and Recommended Project Concepts

Below is a list of all Project Concepts submitted to the FY25-26 Technical Resources Program for this Watershed Area. Project Concepts shown in white have been included in the recommended SIP.

Table 5-1. Summary of submitted and recommended Project Concepts for FY25-26

Project Concept Name	Project Concept Applicant	Included in SIP	Total Funding Allocated in this WASC
Cindy Montañez Natural Park Feasibility Study	TreePeople	Included	$400,000.00

Project Concept Name	Project Concept Applicant	Included in SIP	Total Funding Allocated in this WASC
Crescenta Valley Park Stormwater Capture Project	Crescenta Valley Water District	Included	$400,000.00
La Cañada Town Center Stormwater Infiltration Galleries	Foothill Municipal Water District	Included	$400,000.00
Pickens and Halls Canyons Stormwater Infiltration Galleries	Foothill Municipal Water District	Not Included	$400,000.00

A placeholder to fund three Watershed Coordinators for up to $600,000 per year was included in the recommended SIP.

Refer to Attachment A or the SIP Tool for the Final Recommended SIP with additional project concept details.

5.2 Discussion

The WASC received presentations from the Technical Resources Program applicants during the WASC meetings on December 4, 2024, and January 16, 2025. The majority of the WASC expressed support for the Project concepts and considered the proposed SIP's limited available capacity before deciding to recommend funding the Project Concept for $400,000.

6 Scientific Studies Program

Per LACFCD Code Ch18.07.E, the purpose of the Scientific Studies Program is to provide funding for scientific and technical activities.

6.1 Submitted and Recommended Studies

Below is a list of all Scientific Studies submitted to the FY25-26 Scientific Studies Program for this Watershed Area. Studies shown in white have been included in the recommended SIP.

Table 6-1. Summary of submitted and recommended Scientific Studies for FY25-26

Project Name	Project Developer	Included in SIP	Total Funding Allocated in this WASC
Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County	Foothill Municipal Water District	Included in SIP	$49,111.00
Street Sweeping Study (ULAR)	City of Los Angeles	Included in SIP	$688,350.00
Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture	San Gabriel Valley Council of Governments	Included in SIP	$470,000.00

Refer to Attachment A or the SIP Tool for the Final Recommended SIP with additional scientific study details.

6.2 Discussion

The WASC received presentations from the Scientific Studies Program applicants during the WASC meetings on December 4, 2024, and January 16, 2025. The District hired CASC Engineering to provide independent, rapid, and unbiased evaluation (summary) of the technical adequacy of each scientific study proposal, which were shared with the project applicants and WASC members. The WASC recommended funding for Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County, Street Sweeping Study (ULAR), and Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture.

7 Previously Approved Projects, Project Concepts, and Scientific Studies

All previously approved Projects, Project concepts, and Studies were evaluated as described above in Section 3 Summary of Meetings and Process.

PW received 3 PMR forms from previously approved Projects and Studies for this Watershed Area. Please refer to the PMR Guidelines for more details.

Below are lists of previously approved Infrastructure Program Projects, Technical Resources Program Project concepts, and Scientific Studies recommended in the SIP for this Watershed Area. Projects, Project concepts, and Studies that are still active and continuing as previously approved are shown in white.

Table 7-1. Summary of previously approved Infrastructure Program Projects

Project Name	Project Developer	SIP Year	SIP Status	SCWP Funded Phase(s)	Remaining Funding Request
Echo Park Lake Rehabilitation	City of Los Angeles, Bureau of Sanitation	FY20-21	Continuing	Operation and Maintena-nce (O&M)	$0.00
The Distributed Drywell System Project	City of Glendale	FY20-21	Continuing	O&M	$0.00
City of San Fernando Regional Park Infiltration Project	City of San Fernando	FY20-21	Continuing	O&M; Postconst-ruction Monitoring	$0.00

Project Name	Project Developer	SIP Year	SIP Status	SCWP Funded Phase(s)	Remaining Funding Request
Walnut Park Pocket Park Project	Los Angeles County Public Works	FY20-21	Continuing	O&M; Postconst-ruction Monitoring	$0.00
Rory M. Shaw Wetlands Park Project	Los Angeles Flood Control District	FY20-21	Continuing	Planning / Design	$0.00
Valley Village Park Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	FY20-21	Continuing	Planning / Design	$0.00
Fernangeles Park Stormwater Capture Project	LADWP	FY20-21	Continuing	Planning / Design	$0.00
Lankershim Boulevard Local Area Urban Flow Management Network Project	City of Los Angeles, Bureau of Sanitation	FY20-21	Continuing	Planning / Design	$11,139,380.00
Oro Vista Local Area Urban Flow Management Project	City of Los Angeles, Bureau of Sanitation	FY20-21	Continuing	Planning / Design	$2,118,120.00
Strathern Park North Stormwater Capture Project	LADWP	FY20-21	Continuing	Planning / Design	$0.00
Active Transportation Rail to River Corridor Project - Segment A	Los Angeles Metropolitan Transit Authority (Metro)	FY20-21	Continuing	Construc-tion	$375,000.00
Franklin D. Roosevelt Park Regional Stormwater Capture Project	Los Angeles County Public Works	FY20-21	Continuing	O&M; Postconst-ruction Monitoring	$0.00
Arroyo Seco-San Rafael Treatment Wetlands	City of Pasadena	FY21-22	Continuing	Planning / Design	$2,279,221.00
Westmont - Vermont Avenue Green Improvement	Los Angeles County Public Works	FY21-22	Continuing	Planning / Design	$0.00
Lincoln Park Neighborhood Green Street Network	City of Los Angeles Sanitation and Environment	FY21-22	Continuing	Planning / Design	$7,453,832.00
Altadena - Lake Avenue Green Improvement	Los Angeles County Public Works	FY21-22	Continuing	Planning / Design	$0.00

Project Name	Project Developer	SIP Year	SIP Status	SCWP Funded Phase(s)	Remaining Funding Request
Broadway-Manchester Multi-Modal Green Streets Project	City of Los Angeles Bureau of Street Services (StreetsLA)	FY21-22	Continuing	Planning / Design	$2,833,000.00
Valley Plaza Park Stormwater Capture Project	LADWP	FY21-22	Continuing	Planning / Design	$22,214,000.00
David M. Gonzales Recreation Center Stormwater Capture Project	LADWP	FY21-22	Continuing	Planning / Design	$28,721,714.00
Altadena Mariposa Green Street Demonstration Project	Amigos de los Rios	FY21-22	Continuing	Planning / Design	$9,000.00
Metro Orange Line A Water Infiltration and Quality Project	Los Angeles County Metropolitan Transportation Authority	FY21-22	Removed	Removed	$0.00
Los Angeles Pierce College Northeast Campus Stormwater Capture & Use and Biofiltration Project	Los Angeles Community College District & BuildLACCD	FY21-22	Continuing with Modifications	Planning / Design	$3,800,000.00
Victory ES - DROPS	Los Angeles Unified School DIstrict	FY21-22	Removed	Removed	$0.00
Echo Park Lake Rehabilitation Operation and Maintenance	City of Los Angeles, LA Sanitation and Environment	FY22-23	Continuing	O&M	$960,000.00
Whitsett Fields Park North Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	FY22-23	Continuing	Planning / Design	$4,195,000.00
Jackson Elementary School Campus Greening and Stormwater Quality Improvement Project	Amigos de los Rios (ADLR) and Pasadena Unified School District (PUSD)	FY22-23	Continuing	Planning / Design	$176,200.00
Watts Civic Center Serenity Greenway	City of Los Angeles, Council District 15	FY22-23	Continuing	Planning / Design	$649,200.00

Project Name	Project Developer	SIP Year	SIP Status	SCWP Funded Phase(s)	Remaining Funding Request
Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project	Descanso Gardens Foundation	FY22-23	Continuing with Modifications	Planning / Design	$7,103,656.00
Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project	City of Los Angeles, Department of Public Works, StreetsLA	FY23-24	Continuing	Planning / Design	$6,387,886.00
Brookside Park Stormwater Capture Project	City of Pasadena	FY23-24	Continuing	Planning / Design	$0.00
Sylmar Channel Project	City of Los Angeles, Department of Public Works, LA Sanitation and Environment	FY23-24	Continuing	Planning / Design	$3,526,414.00
Hollenbeck Park Lake Rehabilitation Project	City of Los Angeles, Department of Public Works, LA Sanitation and Environment	FY23-24	Continuing	Planning / Design	$23,019,755.00
Earvin "Magic" Johnson Park Operation and Maintenance Project	Los Angeles County Public Works	FY23-24	Continuing	Operation and Maintena-nce (O&M)	$975,000.00
California Avenue and Adjacent Streets Stormwater Capture Project	City of Glendale	FY23-24	Continuing	Planning / Design	$164,706.00
Emerald Necklace John Muir High School Campus Natural Infrastructure Improvement Project	Amigos de los Rios	FY23-24	Continuing	Planning / Design	$369,600.00
Green Street Demonstration Project on Main Street	City of Alhambra	FY24-25	Continuing	Planning / Design	$1,042,000.00
Bowtie Demonstration Project	The Nature Conservancy	FY24-25	Continuing	Planning / Design	$1,457,388.00

Table 7-2. Summary of previously approved TRP Project Concepts

Project Name	Project Applicant	SIP Year	SIP Status	Notes
Upper Los Angeles River Watershed Coordinators	Los Angeles County Flood Control District	FY20-21	Continuing	3 Watershed Coordinators were approved
Pasadena Unified School District Campus Green Infrastructure Development Project	Amigos de los Rios	FY20-21	Completed	Completed
Hay Canyon Channel / FIS Sports Facilities Stormwater Capture Feasibility Study	City of La Canada Flintridge	FY20-21	Completed	Completed
Arroyo Seco Projects Part 4 of 4: Constructed Wetlands at the Arroyo Seco Golf Course Driving Range	City of South Pasadena	FY20-21	Completed	Completed
Arroyo Seco Projects Part 3 of 4: Constructed Wetlands at the Arroyo Seco Golf Course	City of South Pasadena	FY20-21	Completed	Completed
Arroyo Seco Projects Part 2 of 4: Stormwater Capture Basin and Park Improvements	City of South Pasadena	FY20-21	Completed	Completed
Arroyo Seco Projects Part 1 of 4: Constructed Wetlands by the Arroyo Seco	City of South Pasadena	FY20-21	Completed	Completed
Winery Canyon Channel / Descanso Gardens Stormwater Capture Feasibility Study	City of La Canada Flintridge	FY20-21	Completed	Completed
Green Street Demonstration Project on Main Street	City of Alhambra	FY20-21	Completed	Completed

Project Name	Project Applicant	SIP Year	SIP Status	Notes
South Pasadena Huntington Drive Regional Green Street	City of South Pasadena	FY21-22	Continuing	Submitted as IP in FY23-24; Possible expansion of contract to $300K
McCambridge Park Stormwater Capture Multi-Benefit Project	City of Burbank	FY21-22	Completed	Completed
San Fernando Calles Verdes	City of San Fernando	FY22-23	Continuing	NTP Processed
Camino Verde Pocket Park Regional Stormwater Capture Demonstration Project	City of South Pasadena	FY22-23	Continuing	NTP Processed
Elephant Hill Open Space and Stormwater Infrastructure Feasibility Study	Save Elephant Hill	FY24-25	Continuing	Consultant selected

Table 7-3. Summary of previously approved Scientific Studies

Project Name	Project Developer	SIP Year	Remaining Funding Requested	SIP Status
Recalculation of Wet Weather Zinc Criterion	City of Los Angeles Sanitation	FY20-21	$0.00	Continuing
LRS Adaptation to Address the LA River Bacteria TMDL for the ULAR Watershed Management Group	San Gabriel Valley Council of Governments	FY20-21	$0.00	Continuing
preSIP: A Platform for Watershed Science and Project Collaboration	San Gabriel Valley Council of Governments	FY20-21	$113,080.00	Continuing

Project Name	Project Developer	SIP Year	Remaining Funding Requested	SIP Status
Fire Effects Study in the ULAR Watershed Management Area	San Gabriel Valley Council of Governments	FY21-22	$0.00	Continuing
LAUSD Living Schoolyards Program Pilot Study	TreePeople	FY21-22	$0.00	Continuing
Evaluation of infiltration testing methods for design of stormwater drywell systems	California State Polytechnic University, Pomona	FY21-22	$0.00	Continuing
Community Garden Stormwater Capture Investigation	Los Angeles Community Garden Council	FY22-23	$0.00	Continuing
Maximizing Impact of Minimum Control Measures	San Gabriel Valley Council of Governments	FY22-23	$0.00	Continuing
Additional Funding Request to Support the LRS Adaptation Addressing the LA River Bacteria TMDL for the ULAR Watershed Management Group	San Gabriel Valley Council of Governments	FY22-23	$0.00	Continuing
Regional Pathogen Reduction Study	Gateway Water Management Authority	FY23-24	$1,511,517.52	Continuing
Identifying Best Practices for Maintaining Stormwater Drywell Capacity	California State Polytechnic University, Pomona	FY24-25	$858,206.00	Continuing

8 Next Steps

To best accelerate the effective adaptive management of the SCWP and ensure the most strategic investments going forward, certain new efforts must be prioritized, while certain existing efforts must be modified so that they can proceed according to evolved information, best practices, and tools. Doing so is a critical aspect for advancing the recently adopted County Water Plan's vision of a shared, inclusive, regional path forward to achieve safe, clean, and reliable water resources sustainably and equitably for Los Angeles County

PW continues to develop guidance documents, as part of adaptive management efforts, to further inform and support the annual SIP development process. Various tools are regularly updated and maintained to assist with the WASC's decision making. PW is advancing regional and watershed-based planning through the development of Initial Watershed Plans and an online planning tool. The Initial Watershed Plans build upon the SCWP's foundation and support future strategic decision making. The plans align with broader regional and local planning efforts; and will establish baseline of benefits, set quantitative targets, and define tailored strategies and opportunities. Committee members, Municipalities, Project and Program proponents and other interested parties will have the opportunity to use the Plans upon their release in early 2026.

The WASC requests the Regional Oversight Committee (ROC) to advance the recommended SIP to the Board of Supervisors for approval.

Next WASC meeting(s):

- August 6, 2025, from 2:00 pm – 4:00 pm (to consider ROC feedback, if available)
- Additional meeting to be scheduled to consider ROC feedback, if necessary.

Attachment A
Final Recommended SIP

Watershed Area	Upper Los Angeles River
Included in SIP?	Yes

Row Labels	Project Lead	DAC	FY 25-26 Budget	FY 26-27 Projection	FY 27-28 Projection	FY 28-29 Projection	FY 29-30 Projection	Anticipated SCW Funding FY 25-30
FY20-21								
Infrastructure Project			**$8,382,500.00**	**$5,125,000.00**	**$125,000.00**	**$0.00**	**$0.00**	**$13,632,500.00**
Active Transportation Rail to River Corridor Project - Segment A	Los Angeles Metropolitan Transit Authority (Metro)	Yes	$125,000.00	$125,000.00	$125,000.00	$0.00	$0.00	$375,000.00
City of San Fernando Regional Park Infiltration Project	City of San Fernando (Kenneth Jones)	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Echo Park Lake Rehabilitation	City of Los Angeles, Bureau of Sanitation	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Fernangeles Park Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Franklin D. Roosevelt Park Regional Stormwater Capture Project	Los Angeles County	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lankershim Boulevard Local Area Urban Flow Management Network Project	City of Los Angeles, Bureau of Sanitation	Yes	$6,139,380.00	$5,000,000.00	$0.00	$0.00	$0.00	$11,139,380.00
Oro Vista Local Area Urban Flow Management Project	City of Los Angeles, Bureau of Sanitation	No	$2,118,120.00	$0.00	$0.00	$0.00	$0.00	$2,118,120.00
Rory M. Shaw Wetlands Park Project	Los Angeles Flood Control District	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Strathern Park North Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
The Distributed Drywell System Project	City of Glendale	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Valley Village Park Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Walnut Park Pocket Park Project	County of Los Angeles	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Scientific Study			**$56,540.00**	**$56,540.00**	**$0.00**	**$0.00**	**$0.00**	**$113,080.00**
LRS Adaptation to Address the LA River Bacteria TMDL for the ULAR Watershed Management Group	San Gabriel Valley Council of Governments	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
preSIP: A Platform for Watershed Science and Project Collaboration	San Gabriel Valley Council of Governments	No	$56,540.00	$56,540.00	$0.00	$0.00	$0.00	$113,080.00
Recalculation of Wet Weather Zinc Criterion	City of Los Angeles Sanitation	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Technical Resource			**$600,000.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$3,000,000.00**
Green Street Demonstration Project on Main Street	City of Alhambra	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Hay Canyon Channel / FIS Sports Facilities Stormwater Capture Feasibility Study	City of La Canada Flintridge	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Pasadena Unified School District Campus Green Infrastructure Development Project	Claire Robinson, Managing Director, Amigos de los Rios. Claire@amigosdelosrios.org 626-676-5027	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Upper Los Angeles River Watershed Coordinators WC: TBD	Los Angeles County Flood Control District	No	$600,000.00	$600,000.00	$600,000.00	$600,000.00	$600,000.00	$3,000,000.00
Winery Canyon Channel / Descanso Gardens Stormwater Capture Feasibility Study	City of La Canada Flintridge	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Arroyo Seco Projects	Shahid Abbas, Director of Public Works, City of South Pasadena; Kristine Courdy, Deputy Director of Public Works, City of South Pasadena	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FY21-22								
Infrastructure Project			**$12,020,221.00**	**$15,695,154.00**	**$20,939,154.00**	**$13,634,238.00**	**$5,022,000.00**	**$67,310,767.00**
Altadena - Lake Avenue Green Improvement	Los Angeles County Public Works	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Altadena Mariposa Green Street Demonstration Project	Amigos de los Rios, Claire Robinson	Yes	$9,000.00	$0.00	$0.00	$0.00	$0.00	$9,000.00
Arroyo Seco-San Rafael Treatment Wetlands	City of Pasadena	Yes	$2,279,221.00	$0.00	$0.00	$0.00	$0.00	$2,279,221.00
Broadway-Manchester Multi-Modal Green Streets Project	City of Los Angeles Bureau of Street Services (StreetsLA)	Yes	$2,833,000.00	$0.00	$0.00	$0.00	$0.00	$2,833,000.00
David M. Gonzales Recreation Center Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes	$3,099,000.00	$7,736,238.00	$9,542,238.00	$8,344,238.00	$0.00	$28,721,714.00
Lincoln Park Neighborhood Green Street Network	City of Los Angeles Sanitation and Environment	Yes	$0.00	$3,726,916.00	$3,726,916.00	$0.00	$0.00	$7,453,832.00
Los Angeles Pierce College Northeast Campus Stormwater Capture & Use and Biofiltration Project	Los Angeles Community College District & BuildLACCD	No	$3,800,000.00	$0.00	$0.00	$0.00	$0.00	$3,800,000.00
Metro Orange Line a Water Infiltration and Quality Project	Los Angeles County Metropolitan Transportation Authority	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Valley Plaza Park Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes	$0.00	$4,232,000.00	$7,670,000.00	$5,290,000.00	$5,022,000.00	$22,214,000.00
Victory ES - DROPS	Los Angeles Unified School DIstrict	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Westmont - Vermont Avenue Green Improvement	Los Angeles County Public Works	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Scientific Study			**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Evaluation of infiltration testing methods for design of stormwater drywell systems	California State Polytechnic University, Pomona	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Fire Effects Study in the ULAR Watershed Management Area	San Gabriel Valley Council of Governments	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
LAUSD Living Schoolyards Program Pilot Study	TreePeople	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Technical Resource			**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
McCambridge Park Stormwater Capture Multi-Benefit Project	City of Burbank	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
South Pasadena Huntington Drive Regional Green Street	City of South Pasadena	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FY22-23								
Infrastructure Project			**$8,143,456.00**	**$2,424,600.00**	**$2,516,000.00**	**$0.00**	**$0.00**	**$13,084,056.00**
Echo Park Lake Rehabilitation Operation and Maintenance	City of Los Angeles, LA Sanitation and Environment	Yes	$480,000.00	$480,000.00	$0.00	$0.00	$0.00	$960,000.00
Jackson Elementary School Campus Greening and Stormwater Quality Improvement Project	Amigos de los Rios (ADLR) and Pasadena Unified School District (PUSD)	Yes	$100,600.00	$75,600.00	$0.00	$0.00	$0.00	$176,200.00
Watts Civic Center Serenity Greenway	City of Los Angeles, Council District 15	Yes	$649,200.00	$0.00	$0.00	$0.00	$0.00	$649,200.00

Whitsett Fields Park North Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes	$0.00	$1,679,000.00	$2,516,000.00	$0.00	$0.00	$4,195,000.00
Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project	Descanso Gardens Foundation	No	$6,913,656.00	$190,000.00	$0.00	$0.00	$0.00	$7,103,656.00
Scientific Study			**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Additional Funding Request to Support the LRS Adaptation Addressing the LA River Bacteria TMDL for the ULAR Watershed Management Group	San Gabriel Valley Council of Governments	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Community Garden Stormwater Capture Investigation	Los Angeles Community Garden Council	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Maximizing Impact of Minimum Control Measures	San Gabriel Valley Council of Governments	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Technical Resource			**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Camino Verde Pocket Park Regional Stormwater Capture Demonstration Project	City of South Pasadena	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
San Fernando Calles Verdes	City of San Fernando	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FY23-24								
Infrastructure Project			**$503,102.00**	**$16,299,347.00**	**$17,640,912.00**	**$0.00**	**$0.00**	**$34,443,361.00**
Brookside Park Stormwater Capture Project	City of Pasadena	No	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
California Avenue and Adjacent Streets Stormwater Capture Project	City of Glendale	Yes	$54,902.00	$54,902.00	$54,902.00	$0.00	$0.00	$164,706.00
Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project	City of Los Angeles, Department of Public Works, StreetsLA	Yes	$0.00	$3,206,443.00	$3,181,443.00	$0.00	$0.00	$6,387,886.00
Earvin "Magic" Johnson Park Operation and Maintenance Project	Los Angeles County Public Works	Yes	$325,000.00	$325,000.00	$325,000.00	$0.00	$0.00	$975,000.00
Emerald Necklace John Muir High School Campus Natural Infrastructure Improvement Project	Claire Robinson, Amigos de los Rios	Yes	$123,200.00	$123,200.00	$123,200.00	$0.00	$0.00	$369,600.00
Hollenbeck Park Lake Rehabilitation Project	City of Los Angeles, Department of Public Works, LA Sanitation and Environment	Yes	$0.00	$10,935,027.00	$12,084,728.00	$0.00	$0.00	$23,019,755.00
Sylmar Channel Project	City of Los Angeles, Department of Public Works, LA Sanitation and Environment	Yes	$0.00	$1,654,775.00	$1,871,639.00	$0.00	$0.00	$3,526,414.00
Scientific Study			**$612,569.72**	**$666,120.09**	**$232,827.71**	**$0.00**	**$0.00**	**$1,511,517.52**
Regional Pathogen Reduction Study	Gateway Water Management Authority	No	$612,569.72	$666,120.09	$232,827.71	$0.00	$0.00	$1,511,517.52
FY24-25								
Infrastructure Project			**$1,417,953.00**	**$349,222.00**	**$356,933.00**	**$375,280.00**	**$0.00**	**$2,499,388.00**
Bowtie Demonstration Project	The Nature Conservancy	Yes	$375,953.00	$349,222.00	$356,933.00	$375,280.00	$0.00	$1,457,388.00
Green Street Demonstration Project on Main Street	City of Alhambra	No	$1,042,000.00	$0.00	$0.00	$0.00	$0.00	$1,042,000.00
Scientific Study			**$211,953.00**	**$214,440.00**	**$211,343.00**	**$220,470.00**	**$0.00**	**$858,206.00**
Identifying Best Practices for Maintaining Stormwater Drywell Capacity	California State Polytechnic University, Pomona	No	$211,953.00	$214,440.00	$211,343.00	$220,470.00	$0.00	$858,206.00
Technical Resource			**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**
Elephant Hill Open Space and Stormwater Infrastructure Feasibility Study	Save Elephant Hill	Yes	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
FY25-26								
Scientific Study			**$1,207,461.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$1,207,461.00**
Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County	Foothill Municipal Water District	No	$49,111.00	$0.00	$0.00	$0.00	$0.00	$49,111.00
Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture	San Gabriel Valley Council of Governments	No	$470,000.00	$0.00	$0.00	$0.00	$0.00	$470,000.00
Street Sweeping Study (ULAR)	City of Los Angeles	No	$688,350.00	$0.00	$0.00	$0.00	$0.00	$688,350.00
Technical Resource			**$1,200,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$1,200,000.00**
Cindy Montañez Natural Park Feasibility Study	TreePeople	Yes	$400,000.00	$0.00	$0.00	$0.00	$0.00	$400,000.00
Crescenta Valley Park Stormwater Capture Project	Crescenta Valley Water District	No	$400,000.00	$0.00	$0.00	$0.00	$0.00	$400,000.00
La Canada Town Center Stormwater Infiltration Galleries	Foothill Municipal Water District	Yes	$400,000.00	$0.00	$0.00	$0.00	$0.00	$400,000.00
Grand Total			**$34,355,755.72**	**$41,430,423.09**	**$42,622,169.71**	**$14,829,988.00**	**$5,622,000.00**	**$138,860,336.52**

Attachment B
Summary to Date

Watershed Area	Upper Los Angeles River
Included in SIP?	Yes

Row Labels	Project Lead	DAC	FY 20-21 Budget	FY 21-22 Budget	FY 22-23 Budget	FY 23-24 Budget	FY 24-25 Budget	FY 25-26 Budget	FY 26-27 Projection	FY 27-28 Projection	FY 28-29 Projection	FY 29-30 Projection	Total Anticipated SCW Funding	Total Cost Share
FY20-21			**$27,315,801.32**	**$33,460,562.21**	**$15,928,895.70**	**$5,224,069.80**	**$10,156,440.00**	**$9,039,040.00**	**$5,781,540.00**	**$725,000.00**	**$600,000.00**	**$600,000.00**	**$108,831,349.03**	**$58,534,000.00**
Infrastructure Project			**$24,135,094.32**	**$31,634,429.21**	**$14,497,404.70**	**$4,624,069.80**	**$9,499,900.00**	**$8,382,500.00**	**$5,125,000.00**	**$125,000.00**	**$0.00**	**$0.00**	**$98,023,398.03**	**$57,929,000.00**
Active Transportation Rail to River Corridor Project - Segment A	Los Angeles Metropolitan Transit Authority (Metro)	Yes	$1,500,000.00	$4,000,000.00	$2,000,000.00	$425,000.00	$125,000.00	$125,000.00	$125,000.00	$125,000.00	$0.00	$0.00	$8,425,000.00	$8,400,000.00
City of San Fernando Regional Park Infiltration Project	City of San Fernando (Kenneth Jones)	Yes	$3,115,000.00	$5,785,000.00	$100,400.00	$100,400.00	$100,400.00	$0.00	$0.00	$0.00	$0.00	$0.00	$9,201,200.00	$3,600,000.00
Echo Park Lake Rehabilitation	City of Los Angeles, Bureau of Sanitation	No	$400,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$400,000.00	$0.00
Fernangeles Park Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes	$2,926,261.89	$3,344,299.31	$1,254,112.24	$836,074.83	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$8,360,748.27	$8,370,000.00
Franklin D. Roosevelt Park Regional Stormwater Capture Project	Los Angeles County	Yes	$2,000,000.00	$2,000,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,000,000.00	$2,050,000.00
Lankershim Boulevard Local Area Urban Flow Management Network Project	City of Los Angeles, Bureau of Sanitation	Yes	$5,139,380.00	$5,139,380.00	$5,139,380.00	$0.00	$5,139,380.00	$6,139,380.00	$5,000,000.00	$0.00	$0.00	$0.00	$31,696,900.00	$0.00
Oro Vista Local Area Urban Flow Management Project	City of Los Angeles, Bureau of Sanitation	No	$2,118,120.00	$2,118,120.00	$2,118,120.00	$0.00	$2,118,120.00	$2,118,120.00	$0.00	$0.00	$0.00	$0.00	$10,590,600.00	$0.00
Rory M. Shaw Wetlands Park Project	Los Angeles Flood Control District	Yes	$2,000,000.00	$2,000,000.00	$2,000,000.00	$2,000,000.00	$2,000,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$10,000,000.00	$17,800,000.00
Strathern Park North Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes	$3,247,511.94	$3,711,442.21	$1,391,790.83	$927,860.55	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$9,278,605.53	$9,467,000.00
The Distributed Drywell System Project	City of Glendale	Yes	$76,750.00	$1,765,250.00	$17,000.00	$17,000.00	$17,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,893,000.00	$0.00
Valley Village Park Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes	$1,112,070.49	$1,270,937.69	$476,601.63	$317,734.42	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$3,177,344.23	$3,242,000.00
Walnut Park Pocket Park Project	County of Los Angeles	Yes	$500,000.00	$500,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,000,000.00	$5,000,000.00
Scientific Study			**$980,707.00**	**$1,226,133.00**	**$831,491.00**	**$0.00**	**$56,540.00**	**$56,540.00**	**$56,540.00**	**$0.00**	**$0.00**	**$0.00**	**$3,207,951.00**	**$605,000.00**
LRS Adaptation to Address the LA River Bacteria TMDL for the ULAR Watershed Management Group	San Gabriel Valley Council of Governments	No	$192,500.00	$385,000.00	$308,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$885,500.00	$0.00
preSIP: A Platform for Watershed Science and Project Collaboration	San Gabriel Valley Council of Governments	No	$700,000.00	$700,000.00	$400,000.00	$0.00	$56,540.00	$56,540.00	$56,540.00	$0.00	$0.00	$0.00	$1,969,620.00	$605,000.00
Recalculation of Wet Weather Zinc Criterion	City of Los Angeles Sanitation	No	$88,207.00	$141,133.00	$123,491.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$352,831.00	$0.00
Technical Resource			**$2,200,000.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$600,000.00**	**$7,600,000.00**	**$0.00**
Green Street Demonstration Project on Main Street	City of Alhambra	No	$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
Hay Canyon Channel / FIS Sports Facilities Stormwater Capture Feasibility Study	City of La Canada Flintridge	No	$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
Pasadena Unified School District Campus Green Infrastructure Development Project	Claire Robinson, Managing Director, Amigos de los Rios. Claire@amigosdelosrios.org 626-676-5027	Yes	$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
Upper Los Angeles River Watershed Coordinators WC: TBD	Los Angeles County Flood Control District	No	$600,000.00	$600,000.00	$600,000.00	$600,000.00	$600,000.00	$600,000.00	$600,000.00	$600,000.00	$600,000.00	$600,000.00	$6,000,000.00	$0.00
Winery Canyon Channel / Descanso Gardens Stormwater Capture Feasibility Study	City of La Canada Flintridge	No	$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
Arroyo Seco Projects	Shahid Abbas, Director of Public Works, City of South Pasadena; Kristine Courdy, Deputy Director of Public Works, City of South Pasadena	Yes	$400,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$400,000.00	$0.00
FY21-22				**$12,535,709.00**	**$20,800,169.00**	**$8,964,188.00**	**$17,187,983.00**	**$12,020,221.00**	**$15,695,154.00**	**$20,939,154.00**	**$13,634,238.00**	**$5,022,000.00**	**$126,798,816.00**	**$81,679,217.00**
Infrastructure Project				**$10,525,451.00**	**$20,310,734.00**	**$8,745,968.00**	**$16,866,721.00**	**$12,020,221.00**	**$15,695,154.00**	**$20,939,154.00**	**$13,634,238.00**	**$5,022,000.00**	**$123,759,641.00**	**$81,679,217.00**
Altadena - Lake Avenue Green Improvement	Los Angeles County Public Works	Yes		$500,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$500,000.00	$4,400,000.00
Altadena Mariposa Green Street Demonstration Project	Amigos de los Rios, Claire Robinson	Yes		$545,300.00	$165,972.00	$10,500.00	$9,000.00	$9,000.00	$0.00	$0.00	$0.00	$0.00	$739,772.00	$132,544.00
Arroyo Seco-San Rafael Treatment Wetlands	City of Pasadena	Yes		$1,194,953.00	$1,205,468.00	$1,185,468.00	$3,464,689.00	$2,279,221.00	$0.00	$0.00	$0.00	$0.00	$9,329,799.00	$3,500,000.00
Broadway-Manchester Multi-Modal Green Streets Project	City of Los Angeles Bureau of Street Services (StreetsLA)	Yes		$886,000.00	$4,000,000.00	$0.00	$4,626,116.00	$2,833,000.00	$0.00	$0.00	$0.00	$0.00	$12,345,116.00	$3,927,000.00
David M. Gonzales Recreation Center Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes		$388,000.00	$581,000.00	$1,550,000.00	$2,130,000.00	$3,099,000.00	$7,736,238.00	$9,542,238.00	$8,344,238.00	$0.00	$33,370,714.00	$19,756,000.00
Lincoln Park Neighborhood Green Street Network	City of Los Angeles Sanitation and Environment	Yes		$3,726,916.00	$3,726,916.00	$0.00	$3,726,916.00	$0.00	$3,726,916.00	$3,726,916.00	$0.00	$0.00	$18,634,580.00	$0.00
Los Angeles Pierce College Northeast Campus Stormwater Capture & Use and Biofiltration Project	Los Angeles Community College District & BuildLACCD	No		$476,697.00	$4,766,978.00	$0.00	$0.00	$3,800,000.00	$0.00	$0.00	$0.00	$0.00	$9,043,675.00	$5,243,676.00
Metro Orange Line a Water Infiltration and Quality Project	Los Angeles County Metropolitan Transportation Authority	Yes		$1,600,000.00	$5,070,400.00	$6,000,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$12,670,400.00	$11,088,000.00
Valley Plaza Park Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes		$529,000.00	$794,000.00	$0.00	$2,910,000.00	$0.00	$4,232,000.00	$7,670,000.00	$5,290,000.00	$5,022,000.00	$26,447,000.00	$26,983,000.00
Victory ES - DROPS	Los Angeles Unified School District	Yes		$178,585.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$178,585.00	$98,997.00
Westmont - Vermont Avenue Green Improvement	Los Angeles County Public Works	Yes		$500,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$500,000.00	$6,550,000.00
Scientific Study				**$1,410,258.00**	**$489,435.00**	**$218,220.00**	**$321,262.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$2,439,175.00**	**$0.00**
Evaluation of infiltration testing methods for design of stormwater drywell systems	California State Polytechnic University, Pomona	No		$554,684.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$554,684.00	$0.00
Fire Effects Study in the ULAR Watershed Management Area	San Gabriel Valley Council of Governments	No		$203,616.00	$198,014.00	$218,220.00	$321,262.00	$0.00	$0.00	$0.00	$0.00	$0.00	$941,112.00	$0.00
LAUSD Living Schoolyards Program Pilot Study	TreePeople	No		$651,958.00	$291,421.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$943,379.00	$0.00
Technical Resource				**$600,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$600,000.00**	**$0.00**
McCambridge Park Stormwater Capture Multi-Benefit Project	City of Burbank	Yes		$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
South Pasadena Huntington Drive Regional Green Street	City of South Pasadena	Yes		$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
FY22-23					**$3,710,801.27**	**$6,262,749.11**	**$5,437,468.00**	**$8,143,456.00**	**$2,424,600.00**	**$2,516,000.00**	**$0.00**	**$0.00**	**$28,495,074.38**	**$13,896,852.00**
Infrastructure Project					**$2,524,000.00**	**$5,283,224.00**	**$5,437,468.00**	**$8,143,456.00**	**$2,424,600.00**	**$2,516,000.00**	**$0.00**	**$0.00**	**$26,328,748.00**	**$13,896,852.00**
Echo Park Lake Rehabilitation Operation and Maintenance	City of Los Angeles, LA Sanitation and Environment	Yes			$480,000.00	$480,000.00	$480,000.00	$480,000.00	$480,000.00	$0.00	$0.00	$0.00	$2,400,000.00	$1,989,000.00
Jackson Elementary School Campus Greening and Stormwater Quality Improvement Project	Amigos de los Rios (ADLR) and Pasadena Unified School District (PUSD)	Yes			$455,200.00	$2,286,148.00	$100,600.00	$100,600.00	$75,600.00	$0.00	$0.00	$0.00	$3,018,148.00	$869,852.00
Watts Civic Center Serenity Greenway	City of Los Angeles, Council District 15	Yes			$255,000.00	$250,000.00	$1,514,800.00	$649,200.00	$0.00	$0.00	$0.00	$0.00	$2,669,000.00	$175,000.00

Attachment B
Summary to Date

Whitsett Fields Park North Stormwater Capture Project	Los Angeles Department of Water and Power (LADWP)	Yes			$840,000.00	$1,679,000.00	$1,679,000.00	$0.00	$1,679,000.00	$2,516,000.00	$0.00	$0.00	$8,393,000.00	$8,563,000.00
Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project	Descanso Gardens Foundation	No			$493,800.00	$588,076.00	$1,663,068.00	$6,913,656.00	$190,000.00	$0.00	$0.00	$0.00	$9,848,600.00	$2,300,000.00
Scientific Study					**$586,801.27**	**$979,525.11**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$1,566,326.38**	**$0.00**
Additional Funding Request to Support the LRS Adaptation Addressing the LA River Bacteria TMDL for the ULAR Watershed Management Group	San Gabriel Valley Council of Governments	No			$119,589.85	$265,504.86	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$385,094.71	$0.00
Community Garden Stormwater Capture Investigation	Los Angeles Community Garden Council	No			$189,144.00	$189,142.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$378,286.00	$0.00
Maximizing Impact of Minimum Control Measures	San Gabriel Valley Council of Governments	No			$278,067.42	$524,878.25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$802,945.67	$0.00
Technical Resource					**$600,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$600,000.00**	**$0.00**
Camino Verde Pocket Park Regional Stormwater Capture Demonstration Project	City of South Pasadena	Yes			$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
San Fernando Calles Verdes	City of San Fernando	Yes			$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
FY23-24						**$5,682,320.95**	**$7,176,642.67**	**$1,115,671.72**	**$16,965,467.09**	**$17,873,739.71**	**$0.00**	**$0.00**	**$48,813,842.14**	**$44,155,556.01**
Infrastructure Project						**$5,580,226.00**	**$6,461,978.00**	**$503,102.00**	**$16,299,347.00**	**$17,640,912.00**	**$0.00**	**$0.00**	**$46,485,565.00**	**$44,155,556.01**
Brookside Park Stormwater Capture Project	City of Pasadena	No				$2,198,612.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$2,198,612.00	$0.00
California Avenue and Adjacent Streets Stormwater Capture Project	City of Glendale	Yes				$289,810.00	$2,516,383.00	$54,902.00	$54,902.00	$54,902.00	$0.00	$0.00	$2,970,899.00	$990,318.00
Eagle Rock Boulevard: A Multi-Modal Stormwater Capture Project	City of Los Angeles, Department of Public Works, StreetsLA	Yes				$1,089,238.00	$155,599.00	$0.00	$3,206,443.00	$3,181,443.00	$0.00	$0.00	$7,632,723.00	$16,362,000.00
Earvin "Magic" Johnson Park Operation and Maintenance Project	Los Angeles County Public Works	Yes				$325,000.00	$325,000.00	$325,000.00	$325,000.00	$325,000.00	$0.00	$0.00	$1,625,000.00	$1,625,000.01
Emerald Necklace John Muir High School Campus Natural Infrastructure Improvement Project	Claire Robinson, Amigos de los Rios	Yes				$404,400.00	$1,117,500.00	$123,200.00	$123,200.00	$123,200.00	$0.00	$0.00	$1,891,500.00	$737,500.00
Hollenbeck Park Lake Rehabilitation Project	City of Los Angeles, Department of Public Works, LA Sanitation and Environment	Yes				$482,582.00	$1,658,979.00	$0.00	$10,935,027.00	$12,084,728.00	$0.00	$0.00	$25,161,316.00	$19,431,637.00
Sylmar Channel Project	City of Los Angeles, Department of Public Works, LA Sanitation and Environment	Yes				$790,584.00	$688,517.00	$0.00	$1,654,775.00	$1,871,639.00	$0.00	$0.00	$5,005,515.00	$5,009,101.00
Scientific Study						**$102,094.95**	**$714,664.67**	**$612,569.72**	**$666,120.09**	**$232,827.71**	**$0.00**	**$0.00**	**$2,328,277.14**	**$0.00**
Regional Pathogen Reduction Study	Gateway Water Management Authority	No				$102,094.95	$714,664.67	$612,569.72	$666,120.09	$232,827.71	$0.00	$0.00	$2,328,277.14	$0.00
FY24-25							**$1,870,374.00**	**$1,629,906.00**	**$563,662.00**	**$568,276.00**	**$595,750.00**	**$0.00**	**$5,227,968.00**	**$3,849,347.00**
Infrastructure Project							**$1,361,402.00**	**$1,417,953.00**	**$349,222.00**	**$356,933.00**	**$375,280.00**	**$0.00**	**$3,860,790.00**	**$3,849,347.00**
Bowtie Demonstration Project	The Nature Conservancy	Yes					$376,402.00	$375,953.00	$349,222.00	$356,933.00	$375,280.00	$0.00	$1,833,790.00	$844,307.00
Green Street Demonstration Project on Main Street	City of Alhambra	No					$985,000.00	$1,042,000.00	$0.00	$0.00	$0.00	$0.00	$2,027,000.00	$3,005,040.00
Scientific Study							**$208,972.00**	**$211,953.00**	**$214,440.00**	**$211,343.00**	**$220,470.00**	**$0.00**	**$1,067,178.00**	**$0.00**
Identifying Best Practices for Maintaining Stormwater Drywell Capacity	California State Polytechnic University, Pomona	No					$208,972.00	$211,953.00	$214,440.00	$211,343.00	$220,470.00	$0.00	$1,067,178.00	$0.00
Technical Resource							**$300,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$300,000.00**	**$0.00**
Elephant Hill Open Space and Stormwater Infrastructure Feasibility Study	Save Elephant Hill	Yes					$300,000.00	$0.00	$0.00	$0.00	$0.00	$0.00	$300,000.00	$0.00
FY25-26								**$2,407,461.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$2,407,461.00**	**$214,800.00**
Scientific Study								**$1,207,461.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$1,207,461.00**	**$214,800.00**
Data-Driven Resource Optimization and Planning System (DROPS) for Los Angeles County	Foothill Municipal Water District	No						$49,111.00	$0.00	$0.00	$0.00	$0.00	$49,111.00	$109,800.00
Quantifying Community Flood Management Benefits of Watershed-Scale Stormwater Capture	San Gabriel Valley Council of Governments	No						$470,000.00	$0.00	$0.00	$0.00	$0.00	$470,000.00	$0.00
Street Sweeping Study (ULAR)	City of Los Angeles	No						$688,350.00	$0.00	$0.00	$0.00	$0.00	$688,350.00	$105,000.00
Technical Resource								**$1,200,000.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$1,200,000.00**	**$0.00**
Cindy Montañez Natural Park Feasibility Study	TreePeople	Yes						$400,000.00	$0.00	$0.00	$0.00	$0.00	$400,000.00	$0.00
Crescenta Valley Park Stormwater Capture Project	Crescenta Valley Water District	No						$400,000.00	$0.00	$0.00	$0.00	$0.00	$400,000.00	$0.00
La Canada Town Center Stormwater Infiltration Galleries	Foothill Municipal Water District	Yes						$400,000.00	$0.00	$0.00	$0.00	$0.00	$400,000.00	$0.00
Grand Total			**$27,315,801.32**	**$45,996,271.21**	**$40,439,865.97**	**$26,133,327.86**	**$41,828,907.67**	**$34,355,755.72**	**$41,430,423.09**	**$42,622,169.71**	**$14,829,988.00**	**$5,622,000.00**	**$320,574,510.55**	**$202,329,772.01**

Attachment C
Project Modification Request Forms

ATTACHMENT A: Project Modification Request (PMR) Form

The purpose of this PMR form is to initiate the Project modification process and provide the District with information necessary to evaluate the Project modification request.

Regional Program	☑Infrastructure Program Project ☐Scientific Studies Program ☐Technical Resources Program
Project/Study Name	Rory M. Shaw Wetlands Park Project
Project/Study Lead	Los Angeles County Flood Control District
Watershed Area(s)	Upper Los Angeles River
Current Project Phase	Design
Approved Stormwater Investment Plan Fiscal Year	FY 2020-21
Transfer Agreement ID (e.g., 2020RPULAR52)	

Has Transfer Agreement or most recent Addendum been executed (i.e., signed by the project lead and the District)? ☐ Yes ☑ No

What type(s) of modification request?

☐ like-for-like modifications

☐ functionally equivalent BMP modifications

☐ modifications to Project or Study components that were not material to the WASC, ROC, or Board's decision to include the Project or Study in the SIP

☐ change in primary or secondary objective

☐ change in Project benefits

☐ change in methodology (e.g., infiltration instead of diversion to sanitary sewer)

☐ decrease in BMP capacity

☐ change in Project or Study location

☐ change in capture area where benefits claimed are diminished or where there is a change in the municipalities that are receiving benefits

☐ updated engineering analysis resulting in a reduction of benefits

☐ any modification resulting in an increase or decrease of the total amount of Regional Program funding for the Project or Study and/or reallocation of annual funding projections in the SIP

☑ other, please describe:

Schedule modification

Impact on scope or benefits?

☐ Improved
☑ Neither
☐ Diminished
☐ Not Sure

Description of the proposed modification(s) and the reason(s) why the modification(s) is/are being proposed. Attach additional pages, as needed.

Due to the Project's funding gap, project schedule activities have been pushed back resulting in the tentative Project completion date of late 2030.

If applicable, list previously approved funding allocations/disbursements and revised funding request:

Note, if some or all of a previously Funded Activity cannot be completed as a result of the proposed modification, please include a description and indicate the amount of unused funds. Any unused funds should be reallocated and accounted for in your revised funding request. Attach additional pages, as needed.

Fiscal Year	Approved Funding Allocations	Increase/ Decrease Requested	Revised Funding Request	Description/Phase/Status *If applicable, include description of unused funds*
TOTAL				

A: SCWP Approved Total Funding Allocations	
B: Revised SCWP Anticipated Total Funding Request	
C: SCWP Expenditures to date	
D: Difference between B and A	

Would the additional funding request be the only option that would allow the project to be implemented?	☐ YES
Would delaying funding allocations impact the project's ability to be implemented?	☐ YES
Would funding only a portion of the additional funding request impact the project's ability to be implemented?	☐ YES
Has the Recipient considered other funding sources?	☐ YES

If applicable, a description of difference in SCWP Anticipated Total Funding Request and a description of your responses to the questions above. As a reminder, annual funding is at the discretion of the WASC, ROC, and ultimately the Board of Supervisors. Attach additional pages, as needed.

Brief description of Supporting Documentation provided.

Please see the attached Exhibit A-10 for the updated Project schedule.

I certify the information and supporting documentation provided is accurate and true.	☑ YES
I understand this is a request and it is under the WASC's discretion to consider requested modifications.	☑ YES

Name Donna Bautista Organization LA County Flood Control District

Signature Donna Bautista Date 2/14/2024

FOR DISTRICT USE ONLY

Proposed Modifications to Projects or Studies:

	Status	Date
Scope/benefits of the modified Project or Study is **consistent** with the Project or Study included in the current fiscal year's SIP and proposed modifications were **approved** by the District.	☒ YES	1/7/2025
Scope/benefits of the modified Project or Study is **NOT consistent** with the Project or Study included in the current fiscal year's SIP. **If yes, select all that apply**:	☐ YES	
Budget/schedule modifications would impact future SIP funding allocations. **If yes, select all that apply**:	☐ YES	
PMR was received **after** October 31 of a fiscal year and the PMR will be considered for approval during the preparation of **subsequent** SIP for the fiscal year after the next	☐ YES	-
Project or Study **abandoned** the proposed modifications	☐ YES	
Projector or Study was **withdrawn** from consideration by the WASC and shall issue repayment of unspent funds	☐ YES	
Proposed modifications were **recommended for approval** in the SIP	☐ YES ☐ NO	

Proposed Modifications to Project Concepts:

	Status	Date
Proposed modifications were deemed **consistent** with the Project concept that was approved by the WASC, ROC and Board for inclusion in the SIP and can be addressed within the existing budget. District will proceed to incorporate the proposed modification into the Feasibility Study immediately.	☐ YES	
Proposed modifications were deemed significant enough to result in a **significantly different** Project concept from the one approved by the WASC, ROC and Board for inclusion in the SIP. **If yes, select one:**	☐ YES	
District to **discontinue** work on the Feasibility Study, return unused funds to be programmed in the SIP for the next fiscal year, and advise the proponent to submit the modified Project concept during the Call for Projects for a future fiscal year.	☐ YES	-
District to **abandon** the proposed modifications and proceed with the Project concept included in the SIP.	☐ YES	-

EXHIBIT A – SCOPE OF WORK

[A-10] WORK SCHEDULE AND COMPLETION DATE

Construction of the project is divided in three phases. Phase 1 - Site Preparation and Investigation was completed in 2017. Phase 2 is estimated to start in 2026 and complete in 2030, contingent on securing construction funds. Phase 3 is estimated to start in 2030 and complete in 2032, contingent on the completion of Phase 2. SCW funded activities only pertain to Phase 2 Construction. The schedule for Phase 2 Construction is proposed below.

Tasks	Estimated Start*	Estimated Completion*
Planning	6/1/2002	7/14/2008
Design	7/15/2008	3/14/2024
Environmental Documentation	10/16/2019	6/1/2022
Contract Advertise/Award	7/8/2025	11/25/2025
Mobilization	1/13/2026	5/12/2026
Site Demolition / Clearance	5/12/2026	7/11/2026
Site Preparation	7/11/2026	8/11/2026
Haul Excess Material	8/11/2026	3/24/2030
Over excavation; Crush Concrete	8/11/2026	3/24/2030
Deep Dynamic Compaction	8/11/2026	3/24/2030
Backfill to Rough Grade	8/11/2026	3/24/2030
Drainage	3/24/2030	5/25/2030
Cleanup, Demobilize	5/25/2030	6/25/2030
Field Acceptance	6/25/2030	7/23/2030
Final Acceptance	7/23/2030	11/12/2030
Future Operation & Maintenance**	8/18/2032	8/18/2052

*Construction schedule is contingent on securing construction funds.
**O&M to begin upon completion of the entire project. The estimated start date is the construction completion date of Phase 3.

ATTACHMENT A: Project Modification Request (PMR) FORM

The purpose of this PMR form is to initiate the Project modification process and provide the District with information necessary to evaluate the Project modification request.

Regional Program	☑Infrastructure Program Project ☐Scientific Studies Program ☐Technical Resources Program
Project/Study Name	Rory M. Shaw Wetlands Park Project
Project/Study Lead	Los Angeles County Flood Control District
Watershed Area(s)	Upper Los Angeles River
Current Project Phase	Design
Approved Stormwater Investment Plan Fiscal Year	FY 2020-21
Transfer Agreement ID (e.g., 2020RPULAR52)	

Has Transfer Agreement or most recent Addendum been executed (i.e., signed by the project lead and the District)? ☐ Yes ☑ No

What type(s) of modification request?

☐ like-for-like modifications
☐ functionally equivalent BMP modifications
☐ modifications to Project or Study components that were not material to the WASC, ROC, or Board's decision to include the Project or Study in the SIP
☐ minor modifications to the budget or schedule of intermediate tasks where the total Funded Activity amount and Funded Activity completion date is unchanged
☐ change in primary or secondary objective
☐ change in Project benefits
☐ change in methodology (e.g., infiltration instead of diversion to sanitary sewer)
☐ decrease in BMP capacity
☐ change in Project or Study location
☐ change in capture area where benefits claimed are diminished or where there is a change in the municipalities that are receiving benefits
☐ updated engineering analysis resulting in a reduction of benefits claimed
☑ increase in Construction Cost or Life Cycle Cost greater than 10%
☐ increase or reallocation of annual funding distribution
☑ change in Funded Activity completion date
☐ other, please describe:

Impact on scope or benefits?

☐ Improved
☑ Neither
☐ Diminished
☐ Not Sure

Description of the proposed modification(s) and the reason(s) why the modification(s) is/are being proposed.

During design, a third-party analysis was conducted to ascertain the Project's schedule, cost, and constructability. The analysis identified the need for additional considerations regarding the reuse of materials on-site such as potential material quality issues and possible subsequent material export or import needs. As such, the construction cost for Phase 2 escalated. With the plans, specifications, and engineers estimate in its final stages, the cost was updated to $184 million to also account for inflation. This amount includes $7 million for the proper disposal of excess material. Phase 3 is in concept phase and its cost estimate is subject to change.

As a result of the third-party analysis, the Project has experienced delays in the finalization of the Project's plans, specifications and cost estimate. Additionally, due to the increased cost, and in light of additional funding sources available to the region, the Los Angeles County Flood Control District is pursuing grants and partnerships for the Project, impacting the Funding Activity completion date.

If applicable, list previously approved funding allocations/disbursements and revised funding request:

Note, if some or all of a previously Funded Activity cannot be completed as a result of the proposed modification, please include a description and indicate the amount of unused funds. Any unused funds should be reallocated and accounted for in your revised funding request.

Fiscal Year	Approved Funding Allocations	Revised Funding Request	Description/Phase *If applicable, include description of unused funds*
Future Funding			
TOTAL			

A: SCWP Approved Total Funding Allocations	$10,000,000
B: Revised SCWP Anticipated Total Funding Request	N/A
C: Difference between B and A	N/A

If applicable, description of difference in SCWP Anticipated Total Funding Request. As a reminder, annual funding is at the discretion of the WASC, ROC, and ultimately the Board of Supervisors.

N/A

Brief description of Supporting Documentation provided.

Updated Exhibit A-1 Budget Plan
Updated Exhibit A-10 Work Schedule and Completion Date

I certify the information and supporting documentation provided is accurate and true.	☑ YES
I understand this is a request and it is under the WASC's discretion to consider requested modifications.	☑ YES

Name Donna Bautista Organization LA County Flood Control District

Signature Donna Bautista Date 2/14/2024

EXHIBIT A – SCOPE OF WORK

[A-1] BUDGET PLAN

The total construction cost is currently estimated at $214 million. Construction cost for Phase 2 is estimated at $184 million, including sediment disposal. Phase 3 is in concept phase and its cost estimate is subject to change.

Funding sources include the Safe Clean Water program ($10 million) and leveraged funding from the City of Los Angeles Proposition O – Clean Water Bond ($10 million for land acquisition and $7.8 million for Phase 3 construction). The Los Angeles County Flood Control District is pursuing additional grants and partnerships for the Project.

The Safe Clean Water program funds will be used exclusively for Phase 2 construction. The Budget Plan below details the estimated costs for Phase 2 construction in the next six years. Phase 2 construction was initially expected to begin in FY20-21. However, due to schedule delays and funding gap, the construction timeline is now expected to begin in FY25-26, provided funding has been secured. The funds from the SCW program will be carried over into subsequent years.

RORY M. SHAW WETLANDS PARK PROJECT - PHASE 2 CONSTRUCTION BUDGET PLAN

TASKS/PHASES	FY24-25	FY25-26	FY26-27	FY27-28	FY 28-29	FY 29-30	TOTAL
General Conditions/Requirements (i.e. Staging operations, site security)	$ 10,717,500	$ 5,734,500	$ 2,162,000	$ 2,162,000	$ 2,162,000	$ 2,162,000	$ 25,100,000
Site Preparation and Demolition Work	$ -	$ 2,700,000	$ -	$ -	$ -	$ -	$ 2,700,000
Electrical Demolition		$ 100,000	$ -	$ -	$ -	$ -	$ 100,000
Rough Grading Work	$ -	$ 19,925,000	$ 19,925,000	$ 19,925,000	$ 19,925,000	$ -	$ 79,700,000
Overexcavation	$ -	$ 12,775,000	$ 12,775,000	$ 12,775,000	$ 12,775,000	$ -	$ 51,100,000
Deep Dynamic Compaction (DDC)	$ -	$ 5,925,000	$ 5,925,000	$ 5,925,000	$ 5,925,000	$ -	$ 23,700,000
B-Permit Work	$ -	$ -	$ -	$ -	$ 750,000	$ 750,000	$ 1,500,000
FY Total	**$ 10,717,500**	**$ 47,159,500**	**$ 40,787,000**	**$ 40,787,000**	**$ 41,537,000**	**$ 2,912,000**	**$ 183,900,000**

FUNDING SOURCES	FY24-25	FY25-26	FY26-27	FY27-28	FY 28-29	FY 29-30	TOTAL
Safe Clean Water	$ -	$ 10,000,000.00	$ -	$ -	$ -	$ -	$ 10,000,000
Leveraged Funding - Proposition O Clean Water Bond	$ -	$ -	$ -	$ -	$ -	$ -	Used for Phase 3 Construction
Additional Grants and Partnerships	$ 10,717,500	$ 37,159,500	$ 40,787,000	$ 40,787,000	$ 41,537,000	$ 2,912,000	$ 173,900,000
FY Total	**$ 10,717,500**	**$ 47,159,500**	**$ 40,787,000**	**$ 40,787,000**	**$ 41,537,000**	**$ 2,912,000**	**$ 183,900,000**

Note: Mobilization of Phase 2 is anticipated to begin FY 24-25. SCW funded activities are anticipated to take place during the first year of construction, FY 25-26.

EXHIBIT A – SCOPE OF WORK

[A-10] WORK SCHEDULE AND COMPLETION DATE

Construction of the project is divided in three phases. Phase 1 - Site Preparation and Investigation was completed in 2017. Phase 2 is estimated to start in 2025 and complete in 2029, contingent on securing construction funds. Phase 3 is estimated to start in 2029 and complete in 2031, contingent on the completion of Phase 2. SCW funded activities only pertain to Phase 2 Construction. The schedule for Phase 2 Construction is proposed below.

Tasks	Estimated Start*	Estimated Completion*
Planning	6/1/2002	7/14/2008
Design	7/15/2008	1/1/2024
Environmental Documentation	10/16/2019	6/1/2022
Contract Advertise/Award	10/2/2024	2/19/2025
Mobilization	4/9/2025	8/6/2025
Site Demolition / Clearance	8/6/2025	10/6/2025
Site Preparation	10/6/2025	11/6/2025
Haul Excess Material	11/6/2025	6/19/2029
Over excavation; Crush Concrete	11/6/2025	6/19/2029
Deep Dynamic Compaction	11/6/2025	6/19/2029
Backfill to Rough Grade	11/6/2025	6/19/2029
Drainage	6/19/2029	8/19/2029
Cleanup, Demobilize	8/19/2029	9/19/2029
Field Acceptance	9/19/2029	10/17/2029
Final Acceptance	10/17/2029	2/6/2030
Future Operation & Maintenance**	11/13/2031	11/13/2051

*Construction schedule is contingent on securing construction funds.
**O&M to begin upon completion of the entire project. The estimated start date is the construction completion date of Phase 3.

ATTACHMENT A: Project Modification Request (PMR) FORM

The purpose of this PMR form is to initiate the Project modification process and provide the District with information necessary to evaluate the Project modification request.

Regional Program	☑ Infrastructure Program Project ☐ Scientific Studies Program ☐ Technical Resources Program
Project/Study Name	Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project
Project/Study Lead	Descanso Gardens Foundation
Watershed Area(s)	Upper LA River
Current Project Phase	Design
Approved Stormwater Investment Plan Fiscal Year	FY22-23
Transfer Agreement ID (e.g., 2020RPULAR52)	2022RPULAR05

Has Transfer Agreement or most recent Addendum been executed (i.e., signed by the project lead and the District)? ☐ Yes ☑ No

What type(s) of modification request?

☐ like-for-like modifications

☑ functionally equivalent BMP modifications

☐ modifications to Project or Study components that were not material to the WASC, ROC, or Board's decision to include the Project or Study in the SIP

☑ minor modifications to the budget or schedule of intermediate tasks where the total Funded Activity amount and Funded Activity completion date is unchanged

☐ change in primary or secondary objective

☐ change in Project benefits

☑ change in methodology (e.g., infiltration instead of diversion to sanitary sewer)

☐ decrease in BMP capacity

☐ change in Project or Study location

☐ change in capture area where benefits claimed are diminished or where there is a change in the municipalities that are receiving benefits

☐ updated engineering analysis resulting in a reduction of benefits claimed

☐ increase in Construction Cost or Life Cycle Cost greater than 10%

☐ increase or reallocation of annual funding distribution

☐ change in Funded Activity completion date

☐ other, please describe:

Impact on scope or benefits?

☐ Improved
☑ Neither
☐ Diminished
☐ Not Sure

Description of the proposed modification(s) and the reason(s) why the modification(s) is/are being proposed.

1) Project Scope Update:
Due to changes in project design and a new cistern location (approved through PMR 1 and PMR 2), ROW acquisition is no longer required for this project. Descanso Gardens respectfully requests to remove ROW acquisition from the project's Scope of Work.

2) Change in Methodology:
Recent site surveys showed clay soil at depth that will inhibit stormwater infiltration via vertical dry wells. Project designers propose the following like-for-like modifications to address soil condition:
- Replace dry wells in the Main Parking Lot with surface infiltration infrastructure (pre-cast porous pavement)
- Replace dry wells in the Auxiliary Parking Lot with a diversion of stormwater from the parking lot to the cistern

3) Minor Modifications in Schedule:
Descanso Gardens reviewed the interim task schedule in 2024-2026 to address updated permitting timeline associated with non-LA county agencies and like-for-like modifications that were previously approved by the Safe Clean Water Program. Please find attached the proposed schedule adjustments for interim tasks - the revised schedule will not affect the projected construction completion date.

If applicable, list previously approved funding allocations/disbursements and revised funding request:

Note, if some or all of a previously Funded Activity cannot be completed as a result of the proposed modification, please include a description and indicate the amount of unused funds. Any unused funds should be reallocated and accounted for in your revised funding request.

Fiscal Year	Approved Funding Allocations	Revised Funding Request	Description/Phase *If applicable, include description of unused funds*
Future Funding			
TOTAL			

A: SCWP Approved Total Funding Allocations	
B: Revised SCWP Anticipated Total Funding Request	
C: Difference between B and A	

If applicable, description of difference in SCWP Anticipated Total Funding Request. As a reminder, annual funding is at the discretion of the WASC, ROC, and ultimately the Board of Supervisors.

N/A

Brief description of Supporting Documentation provided.

Updated schedule of intermediate tasks in 2024-2026

I certify the information and supporting documentation provided is accurate and true.	☑ YES
I understand this is a request and it is under the WASC's discretion to consider requested modifications.	☑ YES

Name Juliann Rooke

Organization Descanso Gardens Foundation

Signature Juliann Rooke

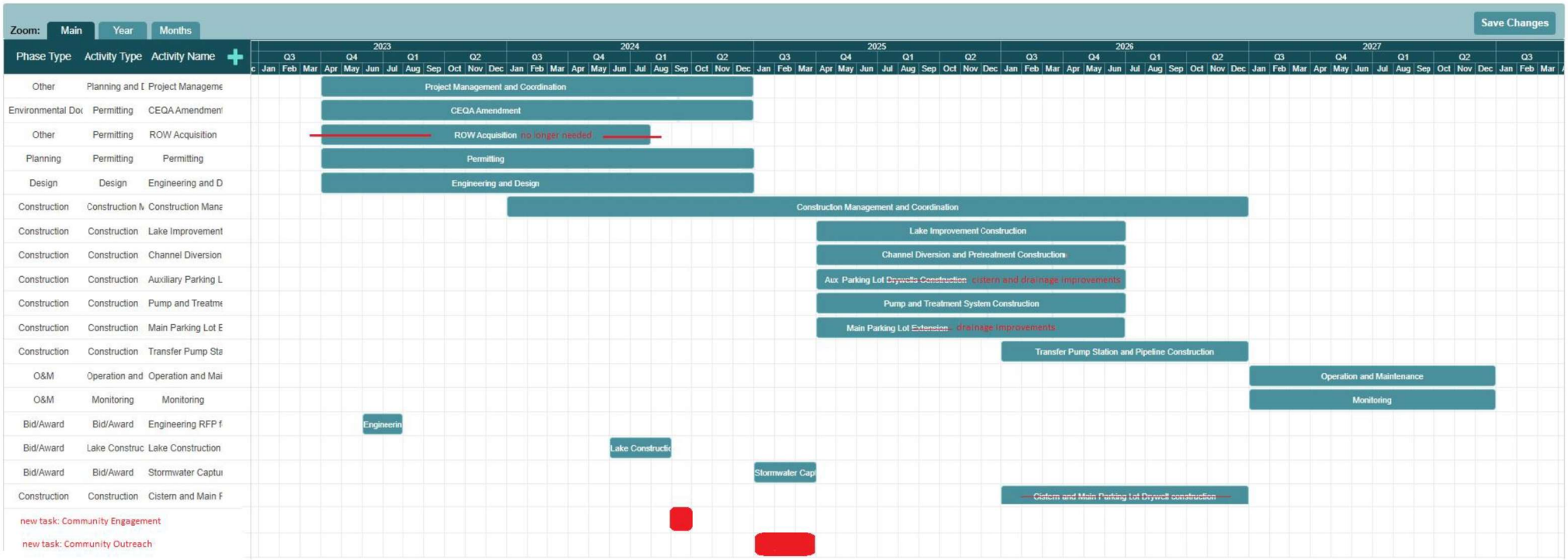
Date 7/8/2024

Descanso Gardens Foundation

Winery Canyon Channel Stormwater Capture and Re-Use Project

Updated Timeline

July 8, 2024



ATTACHMENT A: Project Modification Request (PMR) Form

The purpose of this PMR form is to initiate the Project modification process and provide the SCWP with information necessary to evaluate the Project modification request.

Regional Program	☑Infrastructure Program Project ☐Scientific Studies Program ☐Technical Resources Program
Project/Study Name	Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project
Project/Study Lead	Descanso Gardens Foundation
Watershed Area(s)	Upper LA River
Current Project Phase	Design and Permitting
Estimated Completion Date of Funded Activity	Funded activity ends in December 2027,funds lapse in June 2028
Approved Stormwater Investment Plan Fiscal Year	FY 22-23
Transfer Agreement ID (e.g., 2020RPULAR52)	2022RPULAR05

Has the Transfer Agreement or most recent Addendum been executed (i.e., signed by the project lead and the District)? ☑ Yes ☐ No

What type(s) of modification request?

☐ like-for-like modifications

☐ functionally equivalent BMP modifications

☐ modifications to Project or Study components that were not material to the WASC, ROC, or Board's decision to include the Project or Study in the SIP

☐ reallocation of annual funding projections in the SIP, provided that the total amount of Regional Program funding for the Project or Study remains unchanged

☐ change in primary or secondary objective

☐ change in Project benefits

☐ change in methodology (e.g., infiltration instead of diversion to sanitary sewer)

☐ decrease in BMP capacity

☐ change in Project or Study location

☐ change in capture area where benefits claimed are diminished or where there is a change in the municipalities that are receiving benefits

☐ updated engineering analysis resulting in a reduction of benefits

☐ increase in community support

☐ reduction or withdrawal of community support

☑ change in amount or status of leveraged funding

☐ any modification resulting in an increase of the total amount of Regional Program funding for the Project or Study

☐ any modification resulting in a decrease of the estimated total amount of Regional Program funding for the Project or Study

☑ other, please describe:

Increase in project construction cost

Impact on scope or benefits?

☐ Improved

☐ Diminished

☑ Neither

☐ Not Sure

Description of the proposed modification(s), a comparison to the previously approved Project, and the reason(s) why the modification(s) is/are being proposed. Attach additional pages, as needed.

With the project design reaching the 90% Design milestone, the consultant team's Construction Cost Estimate was thoroughly updated and compared with the Feasibility Study budget projection performed in 2021. Construction costs in southern California have risen steadily and, in some cases, dramatically over the last five years. Despite our value engineering efforts, the project is incurring the following additional costs:

- Design, permitting, and pre-construction management costs increased by $749,877 (check overreported number in 2023)
- Total project cost increased from $8,958,600 to $20,754,494 due to material and labor shortages, inflation, prevailing wage and labor rate escalation. The updated budget reflects like-for-like modifications approved in PMR 1 and PMR 2 and value engineering of the project.

Primary factors related to these cost increases include:

1) Impacts from the COVID-19 Pandemic spanned from early 2020 to mid-2023, causing material and labor shortages across the globe, significantly increasing labor rates and material costs. As explained below, this drove annual inflation rates to all-time highs.
2)Per the California Construction Cost Index (CCCI), inflation from July 2021 to April 2024 was 22.7%. This is a compounded annual rate of about 7% for that time period. In preparation of the Construction Cost Estimate for the Feasibility Study in 2021 the annual national average escalation rate of 3% was used. This factor is responsible for approximately $1M of the additional cost.
3) Due to the high inflation rates experienced, the Bureau of Engineering (BOE) prepared a report to address construction cost increases and suggested inflation rates for project budgeting. The below chart is BOE's suggested inflation rates to use for future estimates:
    July 1, 2022-June 30, 2023: Annual rate of 15%
    July 1, 2023-June 30, 2024: Annual rate of 8%
    July 1, 2024-June 30, 2025: Annual rate of 7%
    July 1, 2025-June 30, 2026: Annual rate of 6%
    July 1, 2026-June 30, 2027: Annual rate of 5%
4) According to RS Means Data, the contractor's costs for general conditions should range from 5 to 15% of the total cost -- with 10% as the standard allowance when estimating project costs.
5) For the 2021 Feasibility Study, a 5% cost estimate was used. For the 90% Design Cost Estimate, we used 10% per industry standards.
6)in the 2021 Feasibility Study, a relatively low construction contingency value of 10% was used. For the 90% Design Cost Estimate, a contingency value of 15% is used to more accurately plan for unknown aspects of project design.

If applicable, list previously approved funding allocations/disbursements and revised funding request:

Note, if some or all of a previously Funded Activity cannot be completed as a result of the proposed modification, please include a description and indicate the amount of unused funds. Any unused funds should be reallocated and accounted for in your revised funding request. Attach additional pages, as needed.

SIP Fiscal Year	Approved Funding Allocations	Increase/ Decrease Requested	Revised Funding Request	Description/Phase/Status *If applicable, include description of unused funds*
2023	$493,800			Planning and Engineering (nearing completion)
2024	$588,076			Lake improvements construction (starting in 2025)
2025	$1,663,068	$3,000,000	$4,663,068	Stormwater Capture Construction (starting in 2025)
2026	$3,913,656			Stormwater infiltration and parking lot construction
2027	$190,000			First year of O&M and Monitoring
TOTAL	$6,848,600	$3,000,000	$9,848,600	

A: Approved Total Funding Allocations	$6,848,600
B: Revised Estimate of Total Funding from Regional Program	$9,848,600
Regional Program Funds Received to date	$1,081,876
Regional Program Expenditures to date	$493,800
Difference between B and A	$3,000,000
Percent change between B and A	43%

Would the additional funding request be the only option that would allow the project to be implemented? Please describe.	☑ YES
To ensure timely and efficient implementation of this shovel-ready project, the Descanso Gardens Foundation respectfully requests the Los Angeles County Flood Control District increases its support of the Stormwater Capture and Reuse Project by $3 million in 2025. The additional funding in 2025 will allow Descanso Gardens to start project construction on time while continuing to actively fundraise for the remainder of construction costs in 2026 and 2027.	
Would delaying funding allocations impact the project's ability to be implemented? Please describe.	☑ YES
Delaying funding allocations may delay the completion date of the project as per the grant agreement with the Los Angeles County Flood Control District. Based on recent l abor and material cost escalation, the Foundation also anticipates further cost i ncreases if delaying project construction into 2026-2027.	
Would funding only a portion of the additional funding request impact the project's ability to be implemented? Please describe.	☐ YES
The additional funding ask of $3 million from the District will provide partial relief for construction cost escalation. Descanso Gardens is committed to the timely completion of the project and continues to fundraise through private donations and foundations.	
Has the Recipient considered other funding sources? Please describe. Include type of funding, status, and amount.	☑ YES
-The Descanso Gardens Foundation has secured additional State funding for the Lake Improvements component of the project: the California Wildlife Conservation Board has committed $3,569,869 towards the construction project. -In 2024, Descanso Gardens dedicated additional leveraged funding of $749,877 to cover the cost difference of design, permitting, and pre-construction management of the project. -If the District grants additional $3 million for this project, $4,287,017 will be left to raise. Potential funding sources include the Ahmanson Foundation, the Ralph Parsons Foundation, and the Rose Hills Foundation.	

If applicable, a description of difference in SCWP Anticipated Total Funding Request. As a reminder, annual funding is at the discretion of the WASC, ROC, and ultimately the Board of Supervisors. Attach additional pages, as needed.

The Descanso Gardens Foundation respectfully requests the Los Angeles County Flood Control District increases its support of the Stormwater Capture and Reuse Project by $3 million in 2025.

As described in the Project Modification description, construction costs have increased exponentially. The project's benefits and scope are remaining the same, and Descanso Gardens is committed to the timely completion of the project and continues to fundraise through private donations and foundations.

Brief description of Supporting Documentation provided. Please include any documentation needed to support benefits claimed by the modified Project or Study and confirm compliance with the Feasibility Study Guidelines.

Please find enclosed:

APPENDIX 1. An updated Stormwater Capture and Reuse Project budget that takes into account cost and labor escalation, inflation, and contingency, based on 90% design.

APPENDIX 2. Additional funding request and an overview of leveraged funding increase for this project.

Contact information of persons who should be included in correspondence with the SCWP regarding this Project or Study. Attach additional pages, as needed.

Name	Title	Email Address
Somer Sherwood-White	Chief Advancement Officer	ssherwood@descansogardens.org

I certify the information and supporting documentation provided is accurate and true.	☑ YES
I certify the modified Project complies with all requirements described in the Feasibility Study Guidelines.	☑ YES
I understand this is a request and it is under the WASC's discretion to consider requested modifications.	☑ YES

Name Juliann Rooke, CEO Organization Descanso Gardens Foundation

Signature Juliann Rooke Date 10.31.2024

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Proposed Modifications to Projects or Studies:

	Status	Date
Scope/benefits of the modified Project or Study is **consistent** with the Project or Study included in the current fiscal year's SIP and proposed modifications were **approved** by the SCWP.	☐ YES	
Scope/benefits of the modified Project or Study **requires reapproval in the SIP**. **If yes, select all that apply**:	☑ YES	1/17/25
Budget/schedule modifications would impact future SIP funding allocations. **If yes, select all that apply**:	☑ YES	1/17/25
PMR was received **after** October 31 of a fiscal year and the PMR will be considered for approval during the preparation of **subsequent** SIP for the fiscal year after the next	☐ YES	-
Project or Study **abandoned** the proposed modifications	☐ YES	
Projector or Study was **withdrawn** from consideration by the WASC and shall issue repayment of unspent funds	☐ YES	
Proposed **scope/benefit** modifications were **recommended for approval** in the SIP	☑ YES ☐ NO ☐ N/A	4/02/25
Modifications to the Project or Study's **funding allocations** were **recommended for approval** as identified in the SIP	☑ YES ☐ PARTIAL ☐ NO	4/02/25

Proposed Modifications to Project Concepts:

	Status	Date
Proposed modifications were deemed **consistent** with the Project concept that was approved by the WASC, ROC and Board for inclusion in the SIP and can be addressed within the existing budget. SCWP staff will proceed to incorporate the proposed modification into the Feasibility Study immediately.	☐ YES	
Proposed modifications were deemed significant enough to result in a **significantly different** Project concept from the one approved by the WASC, ROC and Board for inclusion in the SIP. **If yes, select one:**	☐ YES	
SCWP staff to **discontinue** work on the Feasibility Study, return unused funds to be programmed in the SIP for the next fiscal year, and advise the proponent to submit the modified Project concept during the Call for Projects for a future fiscal year.	☐ YES	-
SCWP staff to **abandon** the proposed modifications and proceed with the Project concept included in the SIP.	☐ YES	-

Descanso Gardens

PROJECT NAME: Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project

TRANSFER AGREEMENT: 2022RPULAR05

October 31, 2024

Dear Mr. Cobian and Mr. Tran,

Please find enclosed a Project Modification Form on behalf of the Descanso Gardens Foundation for the Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project.

As Descanso Gardens is nearing the completion of the design and permitting phase of the above project, the engineering team recently focused on revising the budget that was submitted to the Safe Clean Water Program in the Feasibility Study in 2021. Despite our value engineering efforts, the project's construction costs have significantly increased due to material and labor shortages, inflation, prevailing wage and labor rate escalation. The total project cost is currently estimated at $20,755,000, including design, planning, construction, and the first year of operation and maintenance.

To ensure timely and efficient implementation of the Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project, the Descanso Gardens Foundation respectfully requests the Los Angeles County Flood Control District increases its support by $3 million in 2025. The project is shovel ready and scheduled to start construction in June 2025, or soon after all the necessary permits are obtained. The additional funding from the District will provide partial relief for construction cost escalation.

The Foundation is committed to implementing the project on time as per the grant agreement with the Los Angeles Conty Flood Control District. Descanso Gardens continues to fundraise for the Stormwater Capture and Reuse Project through private donations and foundations, as well as to allocate additional leveraged funding from its operating budget. In the last 12 months, Descanso Gardens secured $3,569,000 from the California Wildlife Conservation Board towards Lake Improvements and $749,877 from the Gardens' operating fund towards the additional costs of design and pre-construction planning of the project.

The enclosed Project Modification Request provides a detailed report on updated project construction costs and leveraged funding status. It includes the following documentation:

- An updated project budget, based on the project's 90% design
- A detailed justification of construction costs increase
- An overview of leveraged funding status

Descanso Gardens

If you have any questions about the PMR, the project, or the updated budget, please do not hesitate to contact Somer Sherwood-White, Chief Advancement Officer, at ssherwood@descansogardens.org.

Thank you in advance for your consideration.

Sincerely,

Juliann Rooke

CEO

Descanso Gardens

APPENDIX 1. REVISED PROJECT BUDGET

PROGRAM DELIVERY COST ESTIMATE

Project Title	Winery Canyon Channel and Descanso Gardens Stormwater Capture and Re
Scope	Divert, capture, and treat stormwater runoff to achieve pollutant load reduction and for reuse within Descanso Gardens
Type of Cost Estimate	Class 5

Description	Unit	Quantity	Unit Price	Item Total
STOMWATER CAPTURE				
Diversion and Treatment				**$ 564,780**
Clearing and Grubbing	LS	1	$ 31,000	$ 31,000
Temporary BMPs and Work Area Delineation	LS	1	$ 10,000	$ 10,000
Temporary Dry-Weather Diversion in Winery Canyon Channel	LS	1	$ 60,000	$ 60,000
Side Channel Diversion	LS	1	$ 15,000	$ 15,000
Trash Rack at Channel	LS	1	$ 2,528	$ 2,530
Automatic Gate (Obermeyer Gate)	LS	1	$ 133,750	$ 133,750
Isolation Gate valve with Motor Actuator	LS	1	$ 40,000	$ 40,000
4'x4' Valve Vault	LS	1	$ 24,000	$ 24,000
Pretreatment Unit (CDS)	EA	1	$ 163,000	$ 163,000
18" DIP Diversion Pipe	LF	171	$ 500	$ 85,500
Cistern				**$ 4,864,310**
Traffic Control	LS	1	$ 15,000	$ 15,000
Demo Existing Light Poles, Pull Boxes, and Electrical Conduits	LS	1	$ 50,000	$ 50,000
Cistern Materials and Installation	LS	1	$ 4,764,310	$ 4,764,310
Level Indicator, Hydrocarbon Sensor	LS	1	$ 35,000	$ 35,000
Main Lot Improvements				**$ 239,300**
Temporary BMPs and Work Area Delineation	LS	1	$ 20,000	$ 20,000
Demo Ex AC Pavement	SF	3,817	$ 15	$ 57,260
Demo Existing Gutter	SF	300	$ 32	$ 9,600
Demo Existing V-Gutter	LF	143	$ 60	$ 8,580
Demo Existing Curb	LF	188	$ 40	$ 7,520
Excavation for AC Pavement Subgrade	CY	88	$ 125	$ 11,000
Class II Base for AC Pavement	CY	88	$ 62	$ 5,460
V-Gutter	LF	143	$ 125	$ 17,880
AC Pavement Restoration	SF	3,817	$ 9	$ 34,360
Curb and Gutter	LF	188	$ 130	$ 24,440
Precast Porous Concrete Gutter	SF	800	$ 54	$ 43,200
Pumping and Treatment				**$ 1,618,144**
Pump Station	LS	1	$ 170,000	$ 170,000
Electrical Conduits	LS	1	$ 111,680	$ 111,680
Electrical Pull/Junction Boxes	LS	1	$ 20,000	$ 20,000
Electrical Equipment Pad with Canopy	LS	1	$ 25,000	$ 25,000
480V Electrical Service	LS	1	$ 85,000	$ 85,000
Electrical MCC/Wiring	LS	1	$ 100,000	$ 100,000
SCADA PLC/Panel	LS	1	$ 40,000	$ 40,000
4" DIP Force Main	LF	752	$ 607	$ 456,464
Irrigation Treatment Skid System	LS	1	$ 610,000	$ 610,000
Auxiliary Lot Improvements				**$ 307,643**
demo pavement over cistern	EA	1	$ 42,812	$ 42,812
total ACP cost	EA	1	$ 38,531	$ 38,531
AC Pavement (Top Course Only for 4" FM Trench Restoration)	SF	1,094	$ 4	$ 4,380
Catch Basin	EA	3	$ 10,000	$ 30,000
8" HDPE Pipe	LF	109	$ 210	$ 22,890
12" HDPE Pipe	LF	45	$ 470	$ 21,150
3' DIA MH Junction Structure	EA	1	$ 42,000	$ 42,000
V Gutter	LF	847	$ 125	$ 105,880

Descanso Gardens

Description	Unit	Quantity	Unit Price	Item Total
LAKE IMPROVEMENTS:				
Lake Improvements (Lining)				**$ 1,955,377**
Dredge Sediment (dredge, dewater, remove; assume 3 ft of existin	CY	1,000	$ 280	$ 279,500
Regrade at edges (gentle slopes to permit water storage in the top	LF	2,010	$ 103	$ 207,299
Remove Existing Liner	SF	76,500	$ 1	$ 70,380
Install New Liner (60 mil textured HDPE) - Changed to a soil liner	SF	46,000	$ 3	$ 126,422
Aeration System (0.5 hp shore based compressor in a cabinet and	LS	1	$ 29,536	$ 38,397
Circulation System (four 0.5 hp pumps)	LS	1	$ 659,854	$ 725,839
Active wetlands - Edge Improvements (includes 2ft gravel media,	LS	1	$ 72,183	$ 72,183
Wetland Shelves (approx. 60% of top 2ft of lake; plant with emerg	LF	910	$ 187	$ 169,711
Floating wetlands	SF	1,550	$ 57	$ 110,438
Sediment bays (lined with large rock where surface drainage ente	EA	4	$ 38,802	$ 155,207
Lake Improvements (Perimeter)				**$ 5,470,147**
Lake perimeter walk (wood boardwalk w/rail at lake edge, 8ft wid	SF	2,400	$ 748	$ 1,795,347
Bridge across center of lake (wood bridge 100ft long, 8ft wide)	LF	100	$ 17,830	$ 1,782,965
Lighting Type 1 and Type 2	LS	1	$ 363,000	$ 363,000
Landscaping (8ft plant buffer along boardwalk)	LS	1	$ 946,895	$ 946,895
Wood deck with railing and 40'x60' pier	LS	1	$ 581,940	$ 581,940
Subtotal 1 (Construction Capital without Contingencies)				**$ 15,019,701**
General Conditions & Requirements, Mobilization - 5% of Subtotal (1)				$ 750,985
Escalation - 4% (6 mo of 2024), 7% (FY24/25) per year of Subtotal (5), used compound amount factor: (1+				$ 1,201,228
Subtotal 2 (GPR and Escalation)				**$ 16,971,914**
Construction Contingency, used 10%				$ 1,697,191
Total Estimated Construction Cost (Excluding Construction Mgmt and Support)				**$ 18,669,105**
Permit Allowance and CEQA Amendments				$ 358,825
CEQA Amendments (included in "Permit Allowance and CEQA Amendments" above				$ -
Project Right of Way - no longer applicable to Project				$ -
Design Phase Cost				$ 864,539
Pre-construction management				$ 67,225
Construction Phase Cost (was 8% of Subtotal 1; now fixed at original budget amount)				$ 604,800
Post Construction Cost - First Year of O&M				$ 122,000
Post Construction Cost - First Year of Monitoring				$ 68,000
Total Estimated Construction Delivery Cost				$ 20,754,494

Descanso Gardens

APPENDIX 2. ADDITIONAL FUNDING REQUEST AND LEVERAGED FUNDING OVERVIEW

To ensure timely and efficient implementation of the Winery Canyon Channel and Descanso Gardens Stormwater Capture and Reuse Project, the Descanso Gardens Foundation respectfully requests the Los Angeles County Flood Control District increases its support by $3 million in 2025.

Please see below the overview of SCWP's committed funding and leveraged funding that Descanso Gardens secured to date. The Foundation is committed to continue fundraising through private donations and foundations to implement the project on time as per the grant agreement with the Los Angeles County Flood Control District.

TOTAL PROJECT COST:	**$20,754,494**
LEVERAGED FUNDING:	**$6,618,877**
Planning and Engineering:	
Current Commitment by Descanso Gardens	$300,000
Additional Leveraged Funding from Descanso Gardens New	**$749,877**
Lake Improvements Construction:	
Current Commitment by Descanso Gardens	$2,000,000
Additional Leveraged Funding from Wildlife Conservation Board New	**$3,569,000**
COMMITTED SAFE CLEAN WATER PROGRAM FUNDING:	**$6,848,600**
Planning and Engineering:	
Current Commitment by Safe Clean Water Program	$493,800
Lake Improvements Construction:	
Current Commitment by Safe Clean Water Program	$588,076
Stormwater Capture Construction:	
Current Commitment by Safe Clean Water Program	$5,576,724
First Year of Monitoring Operation and Maintenance:	
Current Commitment by Safe Clean Water Program	$190,000
ADDITIONAL FUNDING REQUEST TO SCWP:	$3,000,000
LEFT TO RAISE BY DESCANSO GARDENS:	**$4,287,017**

ATTACHMENT A: Project Modification Request (PMR) Form

The purpose of this PMR form is to initiate the Project modification process and provide the SCWP with information necessary to evaluate the Project modification request.

Regional Program	☒Infrastructure Program Project ☐Scientific Studies Program ☐Technical Resources Program
Project/Study Name	Los Angeles Pierce College Stormwater Capture & Use and Biofiltration Project
Project/Study Lead	Los Angeles Community College District
Watershed Area(s)	Upper Los Angeles River Watershed
Current Project Phase	Design
Estimated Completion Date of Funded Activity	12/31/26
Approved Stormwater Investment Plan Fiscal Year	2021-2022
Transfer Agreement ID (e.g., 2020RPULAR52)	2021RPULAR03

Has the Transfer Agreement or most recent Addendum been executed (i.e., signed by the project lead and the District)? ☒ Yes ☐ No

What type(s) of modification request?

☐ like-for-like modifications

☒ functionally equivalent BMP modifications

☐ modifications to Project or Study components that were not material to the WASC, ROC, or Board's decision to include the Project or Study in the SIP

☐ reallocation of annual funding projections in the SIP, provided that the total amount of Regional Program funding for the Project or Study remains unchanged

☐ change in primary or secondary objective

☐ change in Project benefits

☐ change in methodology (e.g., infiltration instead of diversion to sanitary sewer)

☐ decrease in BMP capacity

☐ change in Project or Study location

☐ change in capture area where benefits claimed are diminished or where there is a change in the municipalities that are receiving benefits

☐ updated engineering analysis resulting in a reduction of benefits

☐ increase in community support

☐ reduction or withdrawal of community support

☐ change in amount or status of leveraged funding

☒ any modification resulting in an increase of the total amount of Regional Program funding for the Project or Study

☐ any modification resulting in a decrease of the estimated total amount of Regional Program funding for the Project or Study

☐ other, please describe:

Impact on scope or benefits?

☐ Improved

☐ Diminished

☒ Neither

☐ Not Sure

Description of the proposed modification(s), a comparison to the previously approved Project, and the reason(s) why the modification(s) is/are being proposed. Attach additional pages, as needed.

The Los Angeles Pierce College Northeast Stormwater Capture and Biofiltration Project is being modified based on information developed in the design phase of the project. The project originally proposed to implement stormwater capture and use of captured stormwater onsite for irrigation of LAPC athletic fields. This approach was used as it was deemed not feasible to infiltrate stormwater onsite due to poor soils and to provide a benefit of using captured stormwater to irrigate the LAPC athletic fields using subsurface irrigation. During design it was identified that there is not enough demand for the captured stormwater to be used quickly enough for irrigation of the LAPC athletic fields due to the efficient technology of subsurface irrigation coupled with the large volume of stormwater to be captured by the project. Alternatives were investigated to retain the captured stormwater for the project. A new technology, the Exlterra Groundwater Energy Passive System (GEPS), was evaluated and additional geotechnical information was obtained. Based on the evaluation and the additional geotechnical information it was deemed feasible to use the Exlterra GEPS to infiltrate the full design volume (the 85th percentile storm) identified for the drainage area of the project, which was the volume originally submitted as part of the Safe Clean Water application. The soils at LAPC are not conducive to convention infiltration systems, which is why originally infiltration was ruled out as a retention method, however the Exlterra GEPS is a relatively new, but proven technology to infiltrate water in poor soil conditions. In an effort to keep some stormwater capture and use with subsurface irrigation as part of the project, a hybrid approach was evaluated, however it was deemed that a hybrid approach would result in very little stormwater, approximately 10% of the design volume, would be used for subsurface irrigation. This small amount coupled with the higher cost of subsurface irrigation, it was deemed that this hybrid approach would not be feasible. It should be noted that the project received no Water Supply points in the final scoring for the project from the SCW Scoring Committee. The biofiltration portions of the project in Parking Lot 5 remain the same as what was submitted with the original SCW application. Additionally, the cost of the project have significantly increased. The Exlterra GEPS is actually significantly less expensive than the subsurface irrigation system, however the costs of most of the materials and labor for the project have increased since the pandemic and so the cost to complete the project have increased significantly. The project has also seen delays in design due to primarily changes in the proposed project systems. In summary the LAPC Northeast Stormwater Capture and Biofiltration Project is being proposed to be modified from a stormwater capture and use project to stormwater capture and infiltration project. The water quality benefits remain the same as the original SCW application for the project.

Exlterra GEPS information attached to this form.

If applicable, list previously approved funding allocations/disbursements and revised funding request:

Note, if some or all of a previously Funded Activity cannot be completed as a result of the proposed modification, please include a description and indicate the amount of unused funds. Any unused funds should be reallocated and accounted for in your revised funding request. Attach additional pages, as needed.

SIP Fiscal Year	Approved Funding Allocations	Increase/ Decrease Requested	Revised Funding Request	Description/Phase/Status *If applicable, include description of unused funds*
21/22	$476,698			Design
23/24	$4,766,978			Construction
25/26		+$3,800,000		Construction
TOTAL	$5,243,676	$3,800,000	$9,043,676	

A: Approved Total Funding Allocations	$5,243,676
B: Revised Estimate of Total Funding from Regional Program	$9,043,676
Regional Program Funds Received to date	$476,698
Regional Program Expenditures to date	
Difference between B and A	$3,800,000
Percent change between B and A	172%

Would the additional funding request be the only option that would allow the project to be implemented? Please describe.	☒ YES
Due to significant increase of materials for the project, the project will only be able to be implemented if additional funds can be secured from Safe Clean Water. LACCD will be putting in additional funding for the project. The new total capital cost for the project is $19,244,715 which is an additional $9,710,760 of capital cost to complete the project. LACCD is planning to contribute an additional $5,910,760 (61% of the additional cost) and is looking to SCW for additional $3,800,000 (39% of the additional cost).	
Would delaying funding allocations impact the project's ability to be implemented? Please describe.	☒ YES
A delay of funding allocations will impact the project's ability to be implemented. LACCD is able to contribute an additional $5,910,760 for the project but no other funding is available from LACCD and so any delay in funding allocation for the project will impact the ability of the project to proceed.	
Would funding only a portion of the additional funding request impact the project's ability to be implemented? Please describe.	☒ YES
The project has already gone through value engineering to remove any unnecessary elements and so unless the full amount of additional funding requested can be secured the project cannot be implemented.	
Has the Recipient considered other funding sources? Please describe. Include type of funding, status, and amount.	☒ YES
The project has investigated other grant funding sources including the Caltrans Cooperative Partnership Program, the California Resources Agency Urban Greening Program, US Bureau of Reclamation Cooperative Watershed Program, and the US Bureau of Reclamation Environmental Water Resource Projects. Unfortunately these funding options did not exactly fit the proposed project or the grant funding has already been exhausted.	

If applicable, a description of difference in SCWP Anticipated Total Funding Request. As a reminder, annual funding is at the discretion of the WASC, ROC, and ultimately the Board of Supervisors. Attach additional pages, as needed.

The new total capital cost for the project is $19,244,715 which is an additional $9,710,760 of capital cost to complete the project. This is due to increase in materials costs for the project. The original cost estimate for the project was developed in 2020 during the pandemic. Unfortunately all materials costs have increased significantly since 2020. LACCD is planning to contribute an additional $5,910,760 (61% of the additional cost) and is looking to SCW for additional $3,800,000 (39% of the additional cost).

Brief description of Supporting Documentation provided. Please include any documentation needed to support benefits claimed by the modified Project or Study and confirm compliance with the Feasibility Study Guidelines.

No additional benefits are provided for the project but the project is in compliance with the SCW Feasibility Study Guidelines.

Contact information of persons who should be included in correspondence with the SCWP regarding this Project or Study. Attach additional pages, as needed.

Name	Title	Email Address
Don McLarty	Planning & Support Services Manager	don.mclarty@build-laccd.org
Mary Ann Breckell	LACCD Special Projects	BreckeMA@email.laccd.edu
Daniel Apt	LACCD Stormwater Consultant	dapt@olaunu.com

I certify the information and supporting documentation provided is accurate and true.	☒ YES
I certify the modified Project complies with all requirements described in the Feasibility Study Guidelines.	☒ YES
I understand this is a request and it is under the WASC's discretion to consider requested modifications.	☒ YES

Name Daniel Apt

Organization Olaunu (LACCD Stormwater Consultant)

Signature 

Date 10/31/24

FOR SCWP STAFF USE ONLY

Proposed Modifications to Projects or Studies:

	Status	Date
Scope/benefits of the modified Project or Study is **consistent** with the Project or Study included in the current fiscal year's SIP and proposed modifications were **approved** by the SCWP.	☐ YES	
Scope/benefits of the modified Project or Study **requires reapproval in the SIP**. **If yes, select all that apply**:	▣ YES	1/17/25
Budget/schedule modifications would impact future SIP funding allocations. **If yes, select all that apply**:	▣ YES	1/17/25
PMR was received **after** October 31 of a fiscal year and the PMR will be considered for approval during the preparation of **subsequent** SIP for the fiscal year after the next	☐ YES	-
Project or Study **abandoned** the proposed modifications	☐ YES	
Projector or Study was **withdrawn** from consideration by the WASC and shall issue repayment of unspent funds	☐ YES	
Proposed **scope/benefit** modifications were **recommended for approval** in the SIP	▣ YES ☐ NO ☐ N/A	4/02/25
Modifications to the Project or Study's **funding allocations** were **recommended for approval** as identified in the SIP	▣ YES ☐ PARTIAL ☐ NO	4/02/25

Proposed Modifications to Project Concepts:

	Status	Date
Proposed modifications were deemed **consistent** with the Project concept that was approved by the WASC, ROC and Board for inclusion in the SIP and can be addressed within the existing budget. SCWP staff will proceed to incorporate the proposed modification into the Feasibility Study immediately.	☐ YES	
Proposed modifications were deemed significant enough to result in a **significantly different** Project concept from the one approved by the WASC, ROC and Board for inclusion in the SIP. **If yes, select one:**	☐ YES	
SCWP staff to **discontinue** work on the Feasibility Study, return unused funds to be programmed in the SIP for the next fiscal year, and advise the proponent to submit the modified Project concept during the Call for Projects for a future fiscal year.	☐ YES	-
SCWP staff to **abandon** the proposed modifications and proceed with the Project concept included in the SIP.	☐ YES	-

WORLD INNOVATION

RAINWATER AND UNDERGROUND WATER MANAGEMENT

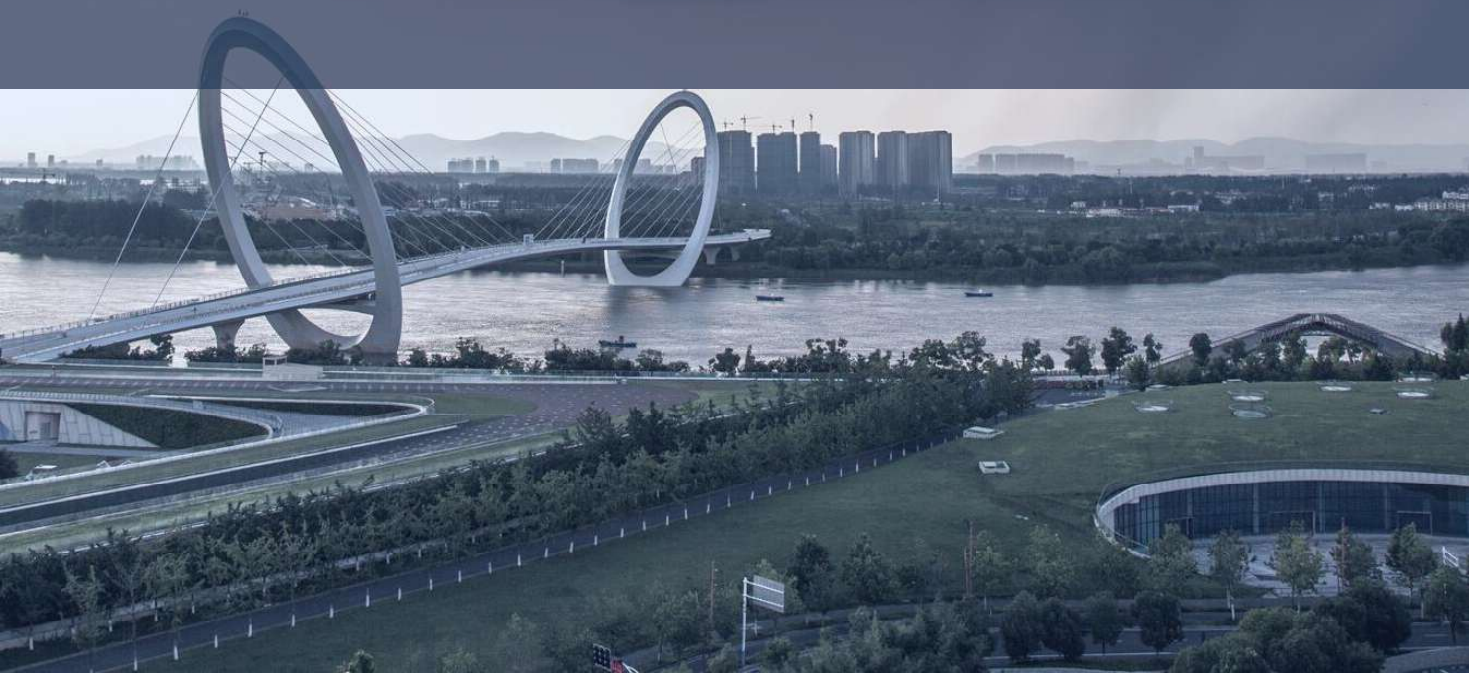
GEPS®

GROUNDWATER ENERGY PASSIVE SYSTEM

EXLTERRA

EXLTERRA

EXCELLENCE FOR EARTH



EXLTERRA

A VISION OF EXCELLENCE FOR THE EARTH

Founded by a researcher and an entrepreneur who share a passion for Earth, EXLTERRA is a company at the forefront of environmental technology.

Since 2013, we have filed numerous patents, demonstrated the value of our solutions and pushed the boundaries of innovation on three continents.

Every aspect of EXLTERRA's technology focuses on efficiency and sustainability; it stems from a deep understanding of nature's molecular working and surpasses traditional techniques.

Our solutions include rainwater and underground water management (EXLTERRA GEPS), nutrient regeneration of the soil (EXLTERRA NEPS), and soil chemical and radioactive decontamination (EXLTERRA NSPS).

We also build ground-breaking, ultralight inverted drills to install EXLTERRA products on the most fragile grounds, like a golf turf for example.

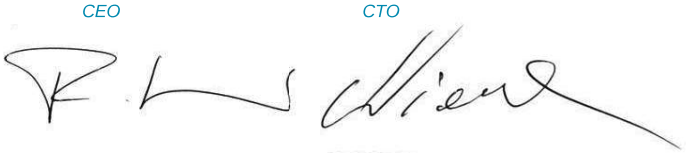
At EXLTERRA, we are obsessed with challenging every principle, every idea and every detail systematically to make sure we come up with simpler, more practical and more efficient products for you.

Scientist Andrew Niemczyk, Chief Technology Officer of EXLTERRA, and entrepreneur Frank Muller, Chief Executive Officer, in the Chernobyl Exclusion Zone in 2021 during the assessment of an EXLTERRA NSPS installation to decontaminate irradiated soil.

> *"Our mission is to understand and to use the forces of nature to improve the environment."*

FRANK MULLER
CEO

ANDREW NIEMCZYK
CTO



MADE IN USA

WHY EXLTERRA GEPS?

A NEW SYSTEM THAT OUTPERFORMS TRADITIONAL DRAINAGE

The patented EXLTERRA GEPS technology revolutionizes rainwater and groundwater management. Completely invisible, it is installed with no trace or heavy work.

EXLTERRA GEPS durably solves water infiltration problems caused by poorly permeable or compacted soils, and balances groundwater flow.

This new generation of environmental solution is suitable for any type of soil—even clayey—and requires no energy, no maintenance, and no connection to any drainage and other dew points.

SUSTAINABLE, ECOLOGICAL, EFFICIENT

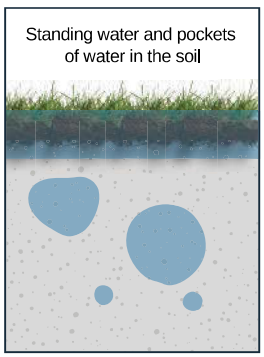
- > Superior to drainage in performance
- > Balances the natural cycle of water
- > No maintenance
- > No running costs
- > No energy consumption
- > Non-polluting ecological material
- > Totally invisible

HOW DOES IT WORK?

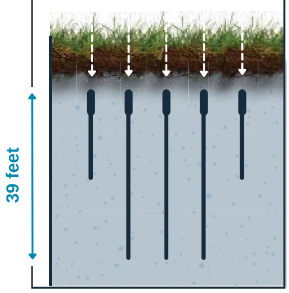
UNDERGROUND TUBULAR POLYS THAT INFILTRATE TEN TIMES MORE WATER

Waterlogging of land and lawns is preventable at last, and so is their drought. The new EXLTERRA GEPS extruded polys form an autonomous, dynamic and efficient underground network that naturally homogenizes the distribution of water in the soil.

WITHOUT GEPS



WITH GEPS



1) OPTIMIZED INFILTRATION

10x

During heavy rainfall, soil set with the EXLTERRA GEPS system will absorb water up to ten times faster than with a traditional drainage.

+

2) OPTIMIZED HYDRATION

During dry periods, EXLTERRA GEPS extruded poly sections react conversely to push deeper soil moisture back to the surface.


PATENTED

CONTROLLING RAINWATER

MAXIMIZATION OF THE INFILTRATION RATE

The new EXLTERRA GEPS underground technology will effectively eliminate damage caused by heavy rainfall to civil works (roads, airport runways, etc.), sports and recreation grounds, as well as public and private gardens, parks and green spaces.

GOODBYE FLOODS AND YELLOW GRASS

- Elimination of flooded and hydro-saturated areas after heavy rainfall.
- Improved user comfort with firmer and less muddy terrain.
- Increased practicability of sports and leisure fields, gardens and green spaces.
- Improvement of greenery and the quality of lawns in dry periods.

> *"The good thing with EXLTERRA GEPS is that it works effectively in both directions: as a drainage in winter and as a system that pushesmoisture to the surface in hot weather, rehydrating soil and turf."*
>
> *Garry Delday, Maintenance Manager at Warwick School, England.*

> *"Since GEPS was installed, we have no more standing water. No traditional drainage system has allowed such a result. In addition, the soil now always has a good moisture level, even in dry periods."*
>
> *Guillaume Sajus, greenkeeper of the Golf-Club Domaine Impérial, Switzerland.*

CONTROLLING UNDERGROUND WATER

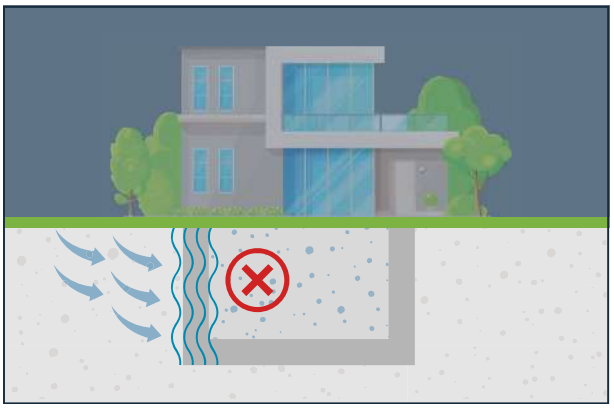
DIVERSION OF THE INVISIBLE FLOW

YOUR PROTECTIVE SHIELD

- The immediate and durable solution for wet foundations liable to flooding.
- No structural work required, no need to touch the foundations.
- No maintenance and no running costs.

EXLTERRA GEPS reduces hydrostatic pressure against building foundations and underground infrastructures. The pressure exerted by pockets of water, subterranean flows and the beating of groundwater tables which butt against foundations are dodged by homogenizing humidity throughout the soil.

FOUNDATIONS WITHOUT EXLTERRA GEPS



FOUNDATIONS WITH EXLTERRA GEPS

> *The EXLTERRA employees did a professional job and the installation left no mark in our garden.*
>
> *After six months we are happy to confirm that the EXLTERRA GEPS system has proven its worth for our house.*
>
> *We were even able to shut down backup pumps, which have since been removed, and despite pretty heavy showers in the spring, we had no humidity in our house.*
>
> *MS, residential owner in Switzerland*

EXLTERRA GEPS: WHO IS IT FOR?

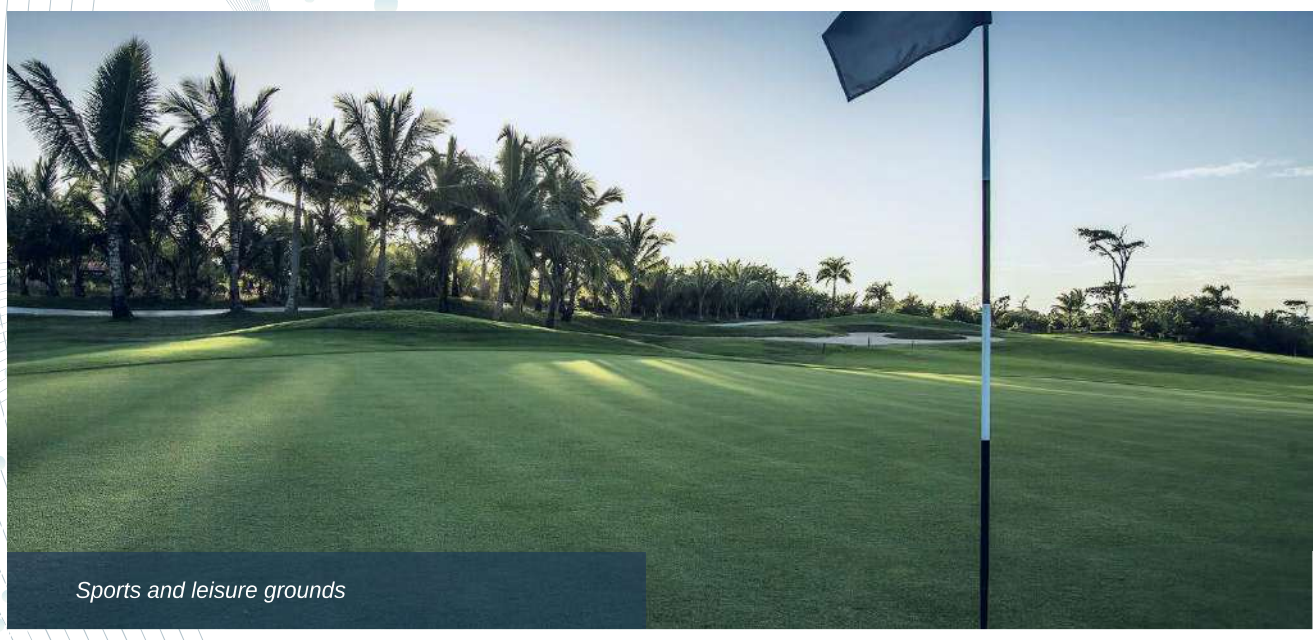
EXISTING BUILDINGS AND NEW CONSTRUCTIONS

Existing buildings and residences

Residential or industrial constructions

EXLTERRA GEPS: WHO IS IT FOR?

PUBLIC INFRASTRUCTURE AND ENGINEERING OFFICES



Sports and leisure grounds

Civil engineering works

INSTALLING EXLTERRA GEPS AT HOME

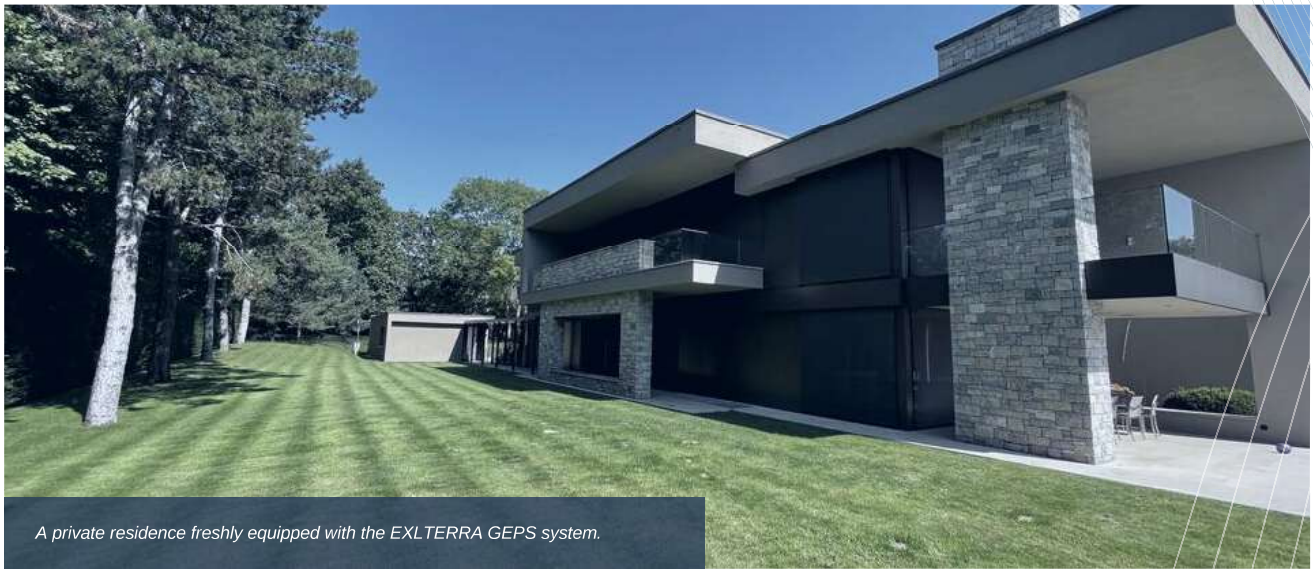
EVERY CHALLENGE HAS ITS SOLUTION

1 PROBLEM

On-site interview with an EXLTERRA certified expert to analyze and understand your situation.

2 SOLUTION

Development of a custom installation plan by our design office, including obstacles and specific topographic elements.



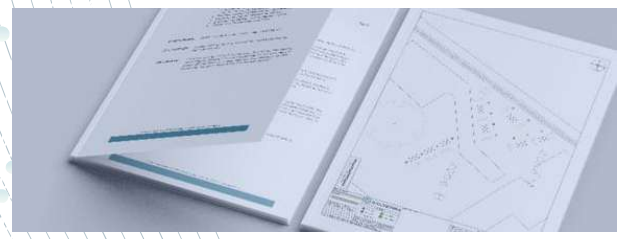
A private residence freshly equipped with the EXLTERRA GEPS system.

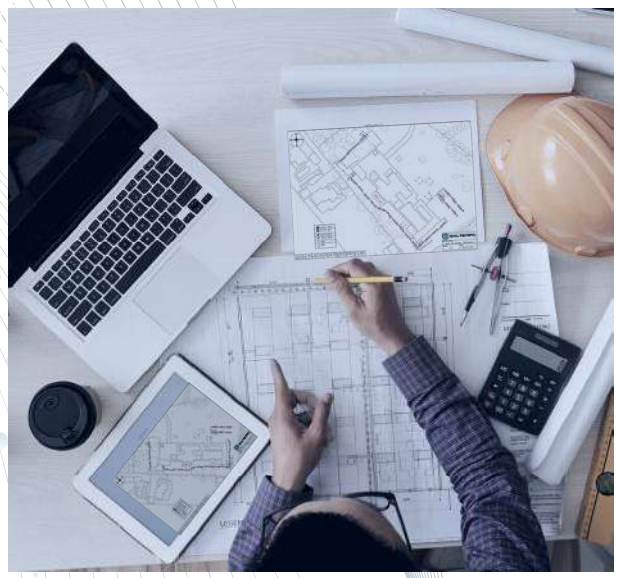
INSTALLING EXLTERRA GEPS AT HOME

A SWIFT, CUSTOM AND MARK-FREE INSTALLATION

3 PROPOSAL

Submission of a detailed offer by your EXLTERRA expert, also including the administrative and technical part of your installation.





4 INSTALLATION

100% INVISIBLE

EXLTERRA GEPS installation by approved professionals, using a drill rig specifically designed by EXLTERRA.

A tidy installation, invisible after just a few days.

CONTACT US

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E-mail: info@exlterra.com

WWW.EXLTERRA.COM

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