

# Safe, Clean Water Program

Lower Los Angeles River

Watershed Area Steering Committee (WASC)



## Meeting Minutes:

Tuesday, February 11, 2020

1:00pm – 3:00pm

Long Beach City Hall, Beach Conference Room, 2nd Floor

411 West Ocean Blvd, Long Beach, CA 90802

## Attendees

### Committee Members

Dan Sharp (District)

Lyndsey Bloxom\* (Water Replenishment District)

Kristen Ruffell (LA County – Sanitation)

Stephen Scott (Long Beach Parks & Recreation)

Nick Jiles (Páó Strategies)

Marybeth Vergara\* (Rivers Mountains Conservancy)

Cindy Montanez (TreePeople)

James Vernon (Port of Long Beach)

Gladis Deras (South Gate)

Erica Maceda\* (River in Action)

Dan Mueller (Downey)

Melissa You (Long Beach)

Gina Nila (Commerce)

Laura Ochoa (Lynwood)

Sarah Ho\* (Paramount)

Kelli Tunnicliff (Signal Hill)

### Committee Members Not Present:

Kevin Wattier (Central Basin)

\*Committee Member Alternate

See attached sign-in sheet for full list of attendees

## 1. Welcome and Introductions

Mr. James Vernon, the Chair of the Lower Los Angeles River WASC, called the meeting to order.

All committee members made self-introductions and quorum was established.

## 2. Approval of Meeting Minutes from January 28, 2020

The District provided a copy of the meeting minutes from the previous meeting. Mr. Vernon asked the committee members for comments or revisions.

**With no comments or revisions, the Chair on behalf of the Committee approved the meeting minutes from January 28, 2020.**

## 3. Committee Member and District Updates and Disclosures

### a) Regional Watershed Coordinator Updates

Mr. Jon Abelson (District Consultant) shared that the Safe, Clean Water GIS Reference Map, a digital spatial resource library, is now available on the Safe Clean Water (SCW) website and includes various layers of information.

Mr. CJ Caluag (District) stated that a Request for Statement of Qualifications (solicitation) for this group's Watershed Coordinator can be expected to be released in April 2020. The intent is to have

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each WASC interview the qualified individuals, with the District first screening all applicants/proposals for consideration.

#### **b) Scoring Committee Update**

Mr. Caluag announced that the Safe, Clean Water Scoring Committee (SC) has scored all 58 projects, and that 19 of these projects were sent back to the project applications to provide more clarification. The project application was given five days to resubmit the requested information for the SC. Mr. Caluag discussed the LLAR WASC overview handout showing the seven infrastructure projects (IPs) for this group and their respective results. He also referenced Scoring Rubric handout showing more detailed information on how each of these seven IPs were evaluated and scored. The next SC meeting is scheduled for February 18.

Mr. Caluag added that the draft fund Transfer Agreement template should be available in April 2020 and will have a 30-day review period. The District will seek Board of Supervisors approval of the fund Transfer Agreement templates and request delegated authority to execute these agreements with SCWP funding recipients.

#### **c) Follow-up discussion from previous meeting**

Ms. Kristen Ruffell brought up needing to discuss this group's priorities, and proposed a meeting in March to rank the group's projects based on the priorities. As an alternative, Ms. Ruffell suggested the group go through a voting process. This will be an on-going discussion.

#### **4. Public Comment Period**

No public comment.

#### **5. Discussion Items**

##### **a) Ex Parte Communication Disclosure**

Mr. Caluag provided clarification on ex parte communications guidelines. He noted the District seeks uniformity across all 9 watershed area committees. There's a number of agencies, stakeholders, and projects that span watershed boundaries with various interpretations. Mr. Caluag reiterated the reason for the ex parte communications is to help promote the Program's goals of transparency and inclusivity. Using these existing public platforms to share information that may be pertinent for the decision-making process. He noted an item that comes up at these meetings that is worth recognizing are an agency's internal operations meeting. The internal operations meetings may consist of strategizing how to prepare projects or which partners need to bring in for cost sharing or leveraging. Mr. Caluag noted that these are not necessarily ex parte communication disclosure worthy, but it is appreciated to those who err on the conservative side. It is safest way to go in the spirit of transparency. Mr. Caluag noted that the ex parte communications guidelines are not a legal requirement, but rather our commitment to transparency to its fullest. And lastly, he noted if there is something you might think, as a committee member, be relevant and should be brought forth in this setting, the ex parte communication disclosures is that time and avenue do that.

Ms. Kelli Tunnicliff and Ms. Gladis Deras expressed continued concerns with the many on-going communications in various other meetings/forums and requested that what was said at today's meeting be put in writing.

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### Watershed Area Steering Committee (WASC)

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#### **b) Presentations:**

##### **i) Infrastructure Program (IP)**

###### **(1) John Anson Ford Park Infiltration Cistern – by Chau Vu, City of Bell Gardens**

John Anson Ford Park is currently approaching Phase I of its construction phase for underground cistern installation, scheduled to be completed in mid-2021. In conjunction with the LA River Upper Reach 2 Watershed Management Area Cities of Bell, Bell Gardens, Commerce, Cudahy, Huntington Park, Maywood, Vernon and LA County Flood Control District, support derived from the Safe, Clean Water Program would afford the seamless and cost-effective expansion of the subsurface infiltration cistern, by several acre-feet of volume, installation of native drought resistant habitat restoration area, educational signage throughout the project area and approximately 10,000 square feet of habitat restoration.

Ms. Cindy Montanez asked if the project proposed any nature-based solutions. Ms. Chau Vu noted the project includes habitat restoration and will install native and drought-tolerant plants and trees, with natural materials and gravity as the intended nature-based solutions.

Ms. Kelli Tunnicliff asked if the system is sized to handle the extra capacity if the SCW funds were to be awarded. Ms. Chau Vu noted the project has the room to add the additional storage unit(s), and the diversion is also sized to accommodate additional flow and volume.

A committee member asked if the project has a set date by when to install the project improvements. The presenter referred to the presentation slide which indicated that the first phase will be completed by April 2021, with the entire project anticipating completion in June 2022.

A committee member asked for clarification on what was meant when the presenter stated that not funding this project for additional storage and infiltration could be a missed opportunity. The presenter stated that if the project is awarded funding for additional storage and infiltration, this would primarily save on the mobilization costs and possibly permitting costs as well.

Ms. Marybeth Vergara asked for the source of the grant funds. The presenter stated that these funds were awarded by the State Water Resources Control Board through the Stormwater Implementation Grant Program.

A committee member asked if this project is in a Watershed Management Program (WMP) or in an Integrated Regional Water Management Plan (IRWMP). The presenter confirmed that this project is part of the Lower Los Angeles WMP.

###### **(2) Long Beach Municipal Urban Stormwater Treatment (LB MUST) – by Alvin Papa, City of Long Beach**

The LB MUST is a flagship stormwater treatment project that will intercept and treat non-stormwater and initial stormwater (first flush) runoff flows for the City of Long Beach and nearby upstream cities. Treated water will be recycled and utilized for irrigation at parks and green spaces along the vicinity of the 710 Freeway. The treated water will also be used within the treatment facility itself and for the constructed wetlands. The project also includes the construction of one wetland pond, which will receive treated water from the LB-MUST Treatment Facility.

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Ms. Gina Nila asked if the project budget includes the remediation of the site. Mr. Alvin Papa stated that yes, the majority of the Caltrans grant funds will be used to pay for site remediation and that the funds need to be utilized by 2022.

A committee member asked if the smaller building footprint lessens the overall project costs. The presenter stated that yes, the costs were lessened and that the goal is to build more wetlands along the coast with the intent to connect all wetlands.

Ms. Lyndsey Bloxom asked to confirm that the site has no existing recycled water availability. The presenter stated that this is correct, but that a past project and an upcoming project will provide recycled water availability, and that the recycled water will be necessary for the wetland vegetation. Mr. Alvin Papa noted that Measure R funds will pay for the necessary recycled water improvements.

A committee member stated that at this time, the site runoff is going to the LA River, and then proceeded to ask what the plans were with the treated runoff once the improvements are installed. The presenter stated that the runoff will feed the wetlands and after treatment, will get conveyed to other City areas for Title 22 allowed uses for non-potable purposes.

Ms. Marybeth Vergara asked if this project would connect bike users to the LA River. The presenter stated that the public has been involved from the inception of the project concept and have thoroughly stated their project priorities as education, public use and access of the project facilities and surrounding areas.

*\*\*\* A 10-minute break was taken at this time \*\*\**

### **(3) Salt Lake Park Infiltration Cistern Design, Permitting, and Transition to Construction – by Dr. Gerald “G2” Greene, Huntington Park consultant**

Since captured runoff cannot cause or contribute to Receiving Water exceedances, and can be reused for irrigation or groundwater recharge, this application requests \$2M in SCWP support by 7/1/20 for design and permitting of an approximately 32 acre foot storage volume cistern in the Southeast corner of Salt Lake Park, application program determined to have an mean annual capture volume of 542 acre feet of runoff and cost of between \$26M and \$30M. At \$28M, the seven DAC members would either develop a \$7M matching MOA, or seek additional support, similar to that for JA Ford Project under construction.

Ms. Kristen Ruffell stated that she understands that this area is not able to reach groundwater and was curious what will happen when infiltration begins. Mr. Gerald Greene stated that most of the underlying aquifers do not have breaks, but the area has great conditions for surface water infiltration, which will likely result in slow movement in the aquitard areas. The committee member followed up with whether there will be a capacity issue since infiltrated waters will be confined in the aquitard areas. The presenter stated he was not sure, but there seems to be a lot of available capacity.

Ms. Marybeth Vergara asked what the source of the leverage funds are. The presenter stated that these are various City general funds.

A committee member asked if the project has any issues with the overhead electrical transmission corridors. The presenter stated that because the improvements are underground and because the baseball fields will get restored, there are no issues with the corridors.

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**(4) Spane Park – by John Hunter, City of Paramount consultant**

Spane Park is a community park located in and operated by the City of Paramount. This proposed project will take the opportunity of pending rehabilitation of the park to install a 3.5 acre-foot capacity regional stormwater capture and filtration facility, including plans to rehabilitate park facilities to provide the community with enhanced recreational opportunities via the installation of the first public-use soccer field in the City. The project seeks \$11.4 MIL in funding from the Safe Clean Water program.

**6. Break**

A break was taken between the presentations.

**7. Voting Items**

There were no voting items.

**8. Items for the Next Agenda**

The District announced that there will be five presentations at the February 25, 2020 WASC meeting.

Mr. Vernon reminded the group that the February 25<sup>th</sup> meeting will be the same location in Long Beach, but that the meetings in March will be held in Paramount at Progress Park.

**9. Adjournment**

Mr. Vernon thanked the committee members and public for their time and participation and adjourned the meeting.

**Next Meeting:**

**Tuesday, February 25, 2020, 1:00pm – 3:00pm  
Long Beach City Hall, Beach Conference Room, 2nd Floor  
411 West Ocean Blvd, Long Beach, CA 90802**

**Future Meetings:**

Tuesday, March 10, 2020, 1:00pm – 3:00pm  
Progress Park, 1500 Downey Ave, Paramount, CA 90723

Tuesday, March 24, 2020, 1:00pm – 3:00pm  
Progress Park, 1500 Downey Ave, Paramount, CA 90723

# Lower Los Angeles River

## Watershed Area Steering Committee Meeting

### COMMITTEE MEMBER AND ALTERNATE SIGN-IN



Member Name	Municipality/ Organization	Email Address	Signature
Dan Sharp	FCD	DSHARP@dpw.lacounty.gov	
Carolina Hernandez	FCD	CHERNANDEZ@dpw.lacounty.gov	
Diane Gatza	Water Replenishment District	dgatza@wrd.org	
Lyndsey Bloxom	Water Replenishment District	lbloxom@wrd.org	
Stephen Scott	City of Long Beach Parks and Recreation	Stephen.Scott@longbeach.gov	
Meredith Reynolds	City of Long Beach, Parks, Recreation and Marine	Meredith.Reynolds@longbeach.gov	
Kristen Ruffell	Sanitation Districts	kruffell@lacsds.org	
Mike Sullivan	Sanitation Districts	msullivan@lacsds.org	
Kevin Wattier	Central Basin	kevinw@centralbasin.org	
Nick Jiles	Páo Strategies	nick@paostrategies.org	
Kedrin Hopkins	Conservation Corps of Long Beach	khopkins@cclb-corps.org	
Mark Stanley	Rivers Mountains Conservancy	mstanley@rmc.ca.gov	
Marybeth Vergara	Rivers and Mountains Conservancy	Mvergara@rmc.ca.gov	
James Vernon	Port of Long Beach	james.vernon@polb.com	
Dylan Porter	Port of Long Beach	dylan.porter@polb.com	

# Lower Los Angeles River

## Watershed Area Steering Committee Meeting

### COMMITTEE MEMBER AND ALTERNATE SIGN-IN



Member Name	Municipality/ Organization	Email Address	Signature
Melissa Bahmanpour	River in Action	melbahmanpour@gmail.com	P
Erica Maceda	River in Action	ericamaceda@gmail.com	A
Cindy Montanez	TreePeople	CMontanez@treepeople.org	P
Carlos Moran	TreePeople	cmoran@treepeople.org	A
Gina Nila	Commerce	ginan@ci.commerce.ca.us	P
Chau Vu	Bell Gardens	CVu@bellgardens.org	A
Dan Mueller	Downey	dmueller@downeyca.org	P
Delfino Consunji	Downey	dconsunji@downeyca.org	A
Melissa You	Long Beach	Melissa.You@longbeach.gov	P
Alvin Papa	Long Beach	Alvin.Papa@longbeach.gov	A
Laura Ochoa	Lynwood	Lochoa@Lynwood.ca.us	P
Noe Martinez	Lynwood	nmartinez@lynwood.ca.us	A
Adriana Figueroa	Paramount	afigueroa@paramountcity.com	P
Sarah Ho	Paramount	sho@paramountcity.com	A
Kelli Tunnickliff	Signal Hill	ktunnickliff@cityofsignalhill.org	P

Lower Los Angeles River  
 Watershed Area Steering Committee Meeting  
 COMMITTEE MEMBER AND ALTERNATE SIGN-IN



Member Name	Municipality/ Organization	Email Address		Signature
Cecil Looney	Signal Hill	clooney@cityofsignalhill.org	A	
Gladis Deras	South Gate	gderas@sogate.org	P	<i>[Handwritten Signature]</i>
Clint Herrera	South Gate	herrera@sogate.org	A	



Lower Los Angeles River

Watershed Area Steering Committee Meeting

PUBLIC SIGN-IN



First Name	Last Name	Municipality/Organization	Email Address
Theresa	Nguyen	LA County	
Cheryl	Vu	City Bell Community	
Bryce	Lee	JLHA	
Jessie Rodriguez	ERIC Rodriguez	IEC	
Greg Alexander		PLS	greg.alexander@psinc.com
Courtney Bonilla		Council for Watershed Health	courtney@watershedhealth.org
Fred	Gonzalez	LACFD	fgonzalez@sfplacounty.gov
Jon	Abeison	StenREC	jonathan.abeison@stanrec.com
ALVIN PAPA			
ALVIN	PAPA	LB	alvin.papa@longbeach.gov
CHRISTINA	VILLEN	Huntington Park	cdk@huntingtonpark.gov
Charmaine Wynette	Wynette		cwynette@h1965@gmail.com

\*Signing or completing this form is voluntary for members of the public

# Lower Los Angeles River

## Watershed Area Steering Committee Meeting

PUBLIC SIGN-IN



First Name	Last Name	Municipality/Organization	Email Address
Kate <del>Havel</del>	Havel	CWE	khavel@cwecorp.com
Lincoln	Co.	COLB.	Lincoln.La@LONGBEACH.GOV
Gerald	Green	CWE/Huntington Park	ssrcprc@cwecorp.com
Jacqueline	McMillen	Alta   NVS	jacqueline.mcmillen@altaenviron.com

\*Signing or completing this form is voluntary for members of the public

Lower Los Angeles River

Watershed Area Steering Committee Meeting

PUBLIC SIGN-IN



First Name	Last Name	Municipality/Organization	Email Address
John Hunter	Hunter	LHA	JHunter@LHA.net
Gina NINA	Turner	POLB	NINA.turner@POLB.com

\*Signing or completing this form is voluntary for members of the public

# John Anson Ford Infiltration Cistern

Bell Gardens Sports Center

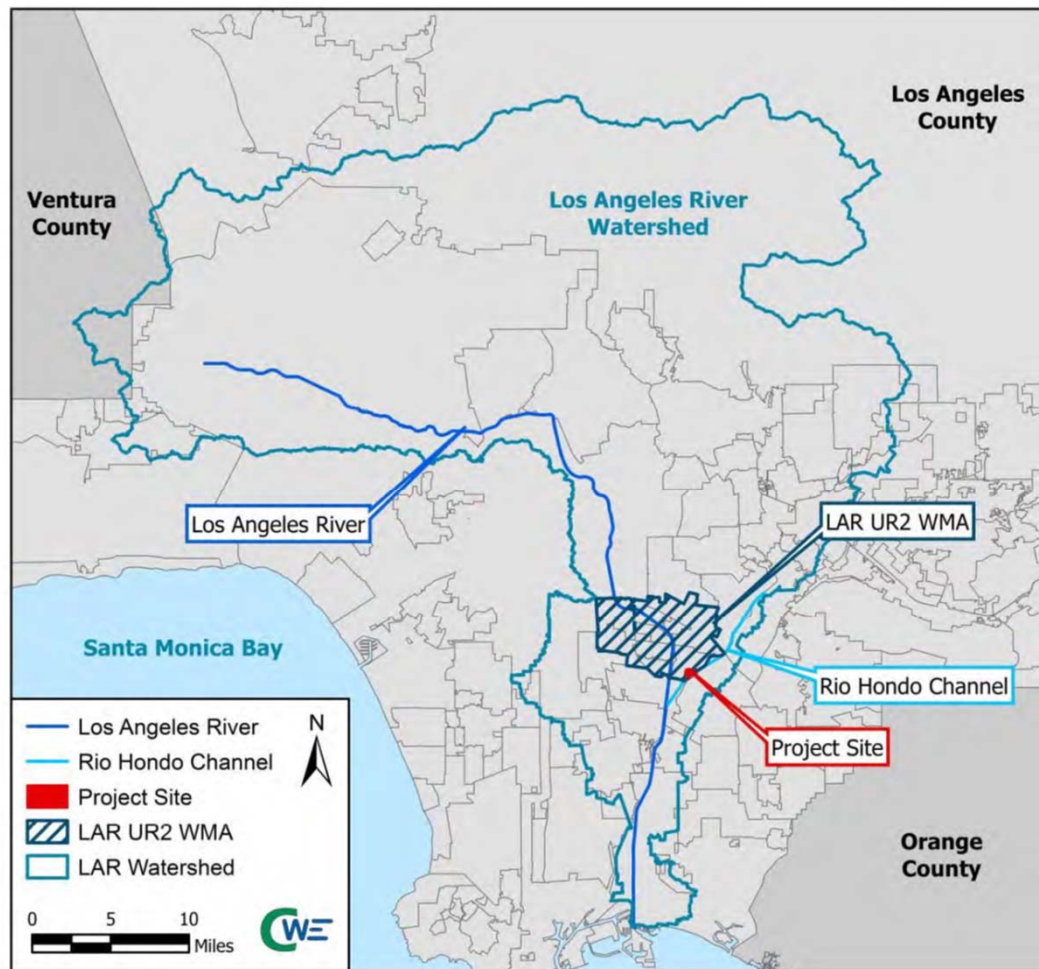
PROJECT LEAD: City of Bell Gardens  
SCW WATERSHED AREA: Lower Los Angeles River  
TOTAL FUNDING REQUESTED: \$ 10M

Presented by: Chau Vu, Bell Gardens



# PROJECT LOCATION (Top Priority in WMP)

- LAR Upper Reach 2 WMA is 22.2 square miles (14,216 ac) of the Los Angeles River Watershed



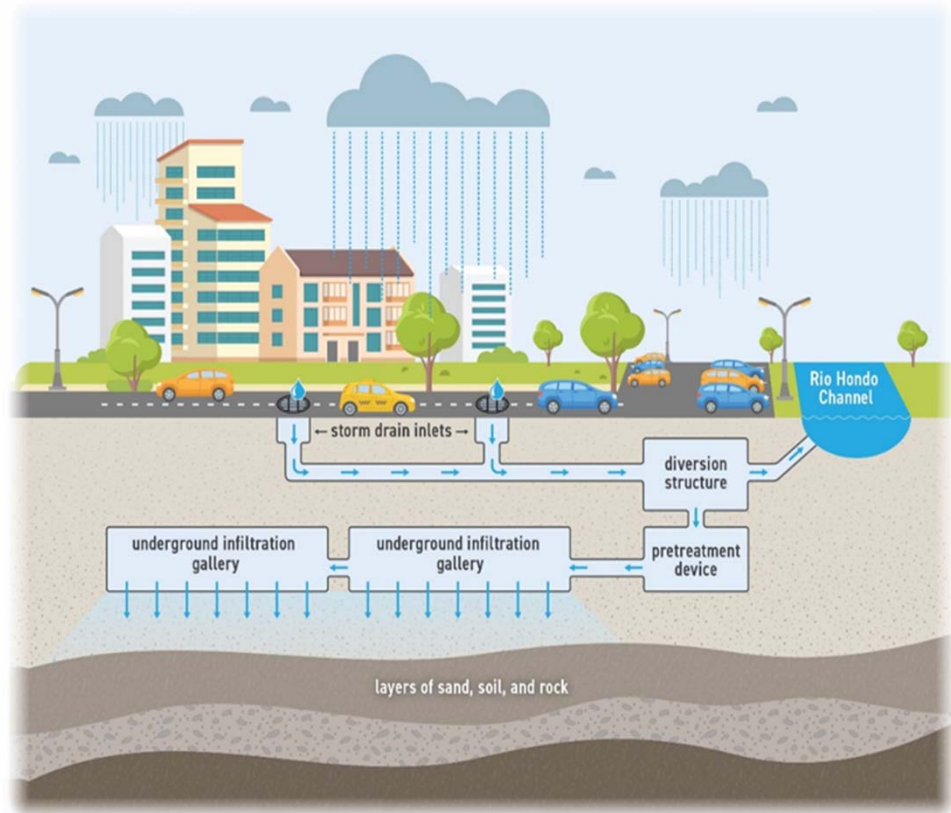
# SCOPE OF WORK FOR FORD PARK PROJECT

The project will use a hydrodynamic separator (HDS) pretreatment device installed adjacent to the storm drain underneath the northerly parking lot at John Anson Ford Park.

The pretreatment device would filter out trash and debris from the diverted runoff.

From the pretreatment device, flows would enter an underground infiltration gallery via gravity, and the captured and pretreated runoff would then infiltrate into the underlying groundwater basin.

- Notice to Proceed  
January 13, 2020
- Anticipated End of Construction  
March 19, 2021



Central Subbasin of the Coastal Plain of Los Angeles Central Groundwater Basin

# WATER SUPPLY

Divert stormwater and urban runoff from storm drain

Pretreat flows

Route runoff to subsurface infiltration cistern

Infiltrate runoff to Central Basin Aquifer

- Reduce pollutant concentrations discharging from the watershed
- Capture 100% of dry-weather and maximize reduction of wet weather flows to Rio Hondo
- Augment the local water supply through use of surface water, groundwater recharge
- Improve flood management
- Monitor improvements on urban runoff quality
- Increase public education and community awareness regarding stormwater quality

# COMMUNITY INVESTMENT BENEFITS FOR DACs & EJs

Habitat restoration will be implemented at John Anson Ford Park.

This additional storage in the system improves flood management and reduces flood risks.



Improve connection for cyclists, joggers, walkers, kids to JAF which is adjacent to the Rio Hondo Bike Trail

Native and drought-tolerant plants and trees will be added to the park

New educational signage.

Enhanced Recreational Facility

Nature Based Solution using natural materials, gravity system.





## WATER QUALITY

REDUCE ZINC & COPPER Metals TMDL for the Lower Los Angeles River, for which the project is tributary to.

LAR UR2 Tributary Area: 2,295 acres

Cost effectiveness= 2.0 Acre-feet / \$1.1 M

### Mean Annual Load Capture

Metric	Unit	Already Funded	SCWP Requested Funding	Ultimate Design
Equivalent inch storm event	in	0.10	<b>0.25</b>	0.50
Cistern Volume	ac-ft	8	<b>30</b>	100
Annual Average Runoff Capture Volume	ac-ft	145	<b>487</b>	1216
Total Copper	--	8.8%	<b>20.0%</b>	43.0%
Total Lead	--	3.2%	<b>11.5%</b>	35.5%
Total Zinc	--	9.0%	<b>20.3%</b>	43.4%
<i>E. Coli</i>	--	3.0%	<b>12.1%</b>	35.0%



Where Caring Becomes Doing

January 31, 2020

Los Angeles County Flood Control District  
Safe Clean Water Program  
900 S. Fremont Avenue  
Alhambra, California 91803

**John Anson Ford Park Infiltration Cistern, Letter of Support**

Safe Clean Water Program Stakeholder,

We offer our support to the Cities of Bell, Bell Gardens, Commerce, Cudahy, Huntington Park, Maywood, Vernon, and the Los Angeles County Flood Control District (LACFCD), elsewhere the Los Angeles River Upper Reach 2 Watershed Management Area (LAR UR2 WMA) Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permittees, in submitting a Safe Clean Water Program (SCWP) John Anson Ford Park Infiltration Cistern Project (Project) application.

This project will improve our community by reducing urban runoff, replenish our groundwater supply and keep our waters clean. This project is consistent with our mission to promote wellness and build strong communities in East Los Angeles. The people of this region will benefit from improvements to John Anson Ford Park by way of recreational use and a greener environment.

In contrast with the many other applications you will receive and review, construction of this Project has already begun; however the Disadvantaged Area Communities (DAC) of the LAR UR2 WMA have not yet secured funding for completion of its ultimate design. A timely offer of significant SCWP construction support, during 2020, would allow the Project to be completed as cost-effectively as possible, without expensive delays, re-excavation, or cistern exposure.

If you have any questions, please call Darren Dunaway at 626-445-5400 or ddunaw@hscwa.org

Respectfully,

Darren Dunaway  
Senior Services

6800 Florence Ave.  
Bell Gardens, CA 90201-4758

Tel (562) 806-5400  
Fax (562) 806-5304  
www.laconservation.org  
agency@laconservation.org



January 30, 2020

Los Angeles County Flood Control District  
Safe Clean Water Program  
900 S. Fremont Avenue  
Alhambra, California 91803  
John Anson Ford Park Infiltration Cistern Project (Project) application support  
Safe Clean Water Program Stakeholder,

We offer our support to the Cities of Bell, Bell Gardens, Commerce, Cudahy, Huntington Park, Maywood, Vernon, and the Los Angeles County Flood Control District (LACFCD), elsewhere the Los Angeles River Upper Reach 2 Watershed Management Area (LAR UR2 WMA) Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permittees, in submitting a Safe Clean Water Program (SCWP) John Anson Ford Park Infiltration Cistern Project (Project) application.

As characterized in the LAR UR2 WMA WMP Plan, this regional project services a 2,295 acre catchment, including the Cities of Bell Gardens, Commerce, Montebello, and the Los Angeles County Unincorporated Community of East Los Angeles, by capturing dry- and wet-weather MS4 discharge to provide multiple beneficial uses that include: improved receiving water quality, augmented ground water supply, greater flood management, local community public education/outreach, and both passive and active recreation. Although necessitated by the Los Angeles River Metals and Bacteria Total Maximum Daily Loads (TMDLs), water captured in the expanded cistern, identified by this Project, will greatly augment Central Basin groundwater supplies and support boarder ongoing efforts of the Water Replenishment District (WRD).

In contrast with the many other applications you will receive and review, construction of this Project has already begun; however, the Disadvantaged Area Communities (DAC) of the LAR UR2 WMA have not yet secured funding for completion of its ultimate design. A timely offer of significant SCWP construction support, during 2020, would allow the Project to be completed as cost-effectively as possible, without expensive delays, re-excavation, or cistern exposure.

Administrative Offices  
Mailing Address: P.O. Box 861658, Los Angeles, CA 90086-1658



BOYS & GIRLS CLUBS  
OF METRO LOS ANGELES

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February 2, 2020

Los Angeles County Flood Control District  
Safe Clean Water Program  
900 S. Fremont Avenue  
Alhambra, California 91803  
John Anson Ford Park Infiltration Cistern, Letter of Support  
Safe Clean Water Program Stakeholder,

We offer our support to the Cities of Bell, Bell Gardens, Commerce, Cudahy, Huntington Park, Maywood, Vernon, and the Los Angeles County Flood Control District (LACFCD), elsewhere the Los Angeles River Upper Reach 2 Watershed Management Area (LAR UR2 WMA) Municipal Separate Storm Sewer System (MS4) National Pollutant Discharge Elimination System (NPDES) Permittees, in submitting a Safe Clean Water Program (SCWP) John Anson Ford Park Infiltration Cistern Project (Project) application.

This project will improve our community by reducing urban runoff, replenish our groundwater supply and keep our waters clean. This project is consistent with our mission of the Boys and Girls Club to enable all young people to reach their full potential as productive, caring, responsible citizens. The youth of this region will benefit from improvements to John Anson Ford Park by way of recreational use and a greener environment.

In contrast with the many other applications you will receive and review, construction of this Project has already begun; however the Disadvantaged Area Communities (DAC) of the LAR UR2 WMA have not yet secured funding for completion of its ultimate design.

ant SCWP construction support, during 2020, would allow the Project to be completed as cost-effectively as possible, without expensive delays, re-excavation, or cistern exposure. Please give our full attention and consideration, so that the many identified to these communities that have endured so many environmental

or require additional information, please contact Calvin Lyons  
gcmla.org

1000 West, Suite 950 Los Angeles, CA 90017  
www.bgclm.org | Tax ID No. 81-0851473

# LOCAL COMMUNITY SUPPORT & OUTREACH

- Notices of the public meeting were prepared in English and Spanish; targeted mailing to all residents & property owners within a 500-foot radius.
- February 27, 2019 at 6:00 PM the City held a public meeting in the John Anson Ford Park Community Center to introduce the project to the community. Receive comments & address concerns.
- Dec 18, 2019 Community Pre-CON Meeting at Ford Park.

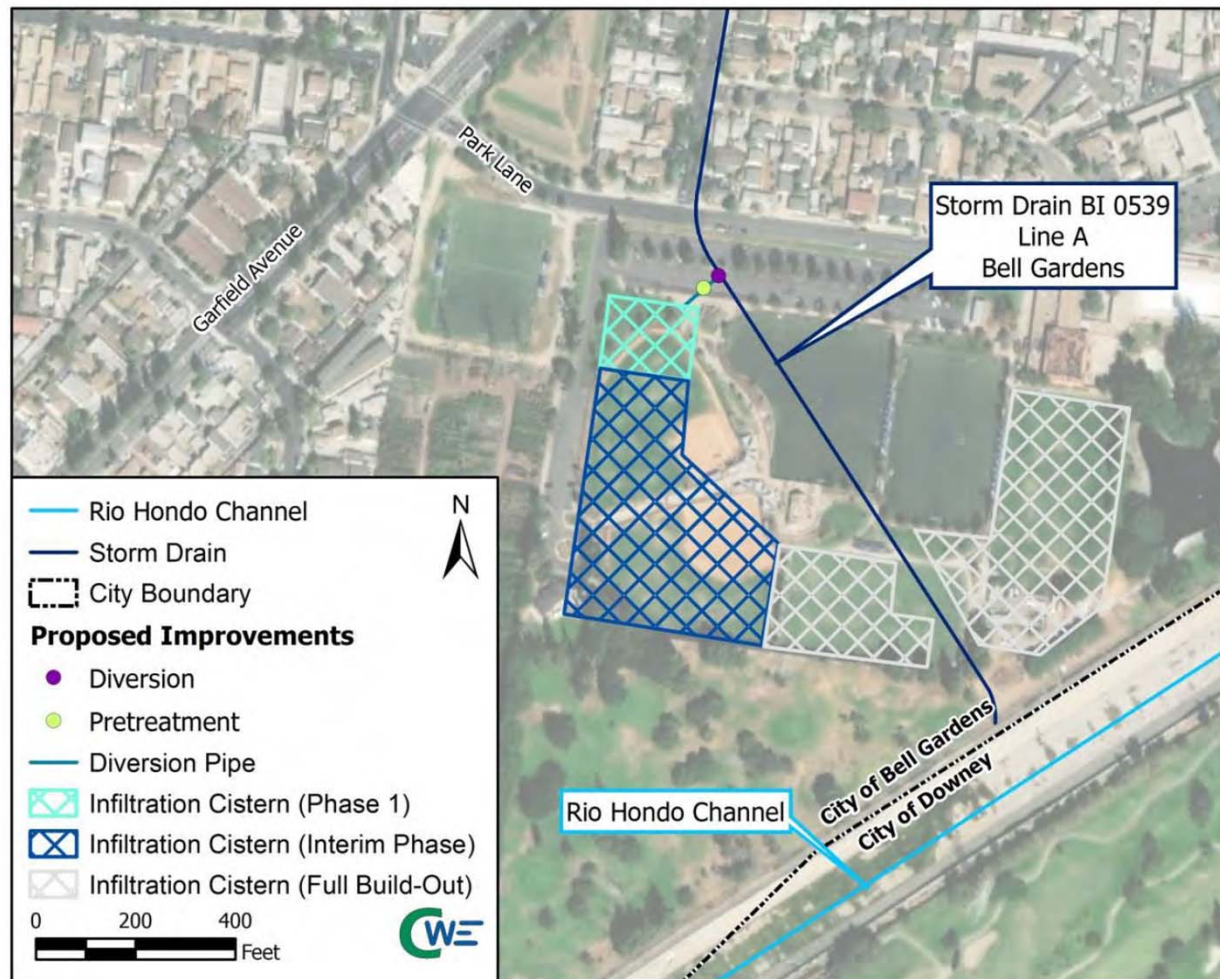
# PROJECT BUDGET

<b>Estimated Project Expenses and Annual Costs</b>			
<b>Metric</b>	<b>Already Funded</b>	<b>Requested SCWP Funding</b>	<b>Ultimate Design</b>
Cistern Size	8 ac-ft	30 ac-ft	100 ac-ft
Estimated Project Expenses	\$10,661,504	\$10,000,000 + \$2,500,000 match	\$40,219,000
Estimated Annual O&M Expenses	\$5,188	\$19,455	\$64,850
<b>Leveraged Construction Funds</b>			
Proposition 1 Grant			\$9,959,842
LAR UR2 WMA Matched Funds for Prop 1			\$1,105,380
LAR UR2 WMA Matched Funds for SCWP			\$2,500,000
<b>Total Leveraged Funds</b>			<b>\$13,565,222</b>

# CURRENT COST SHARE AMONG CITIES FOR FORD PARK PROJECT IN MOU

Watershed Permittee	Land Area (mi <sup>2</sup> )	Cost Allocation Percentage	Equal 1/7 <sup>th</sup> Share of 50%	Pro-rata Share of 50%	3% GWMA Admin Fee	Total per Watershed Permittee
Bell	2.64	11.90	\$78,609.86	\$65,482.01	\$4,322.76	\$148,414.62
Bell Gardens	2.49	11.22	\$78,609.86	\$61,740.18	\$4,210.50	\$144,560.54
Commerce	6.57	29.61	\$78,609.86	\$162,934.65	\$7,246.34	\$248,790.84
Cudahy	1.12	5.05	\$78,609.86	\$27,788.58	\$3,191.95	\$109,590.39
Huntington Park	3.03	13.65	\$78,609.86	\$75,111.72	\$4,611.65	\$158,333.22
Maywood	1.18	5.32	\$78,609.86	\$29,274.31	\$3,236.53	\$111,120.69
Vernon	5.16	23.25	\$78,609.86	\$127,937.54	\$6,196.42	\$212,743.82
<b>Total</b>		<b>100%</b>	<b>\$550,269.00</b>	<b>\$550,269.00</b>	<b>\$33,016.14</b>	<b>\$1,133,554.14</b>

# PHASES



**Table 2-1 Summary of Project Phases**

Phase	Components	Cumulative Storage Capacity (ac-ft)
Phase 1	Diversion, pretreatment, pumps (as necessary), precast infiltration cells	10
Interim Phase	Additional precast infiltration cells	50
Full-Build Out	Additional precast infiltration cells	100

# SCHEDULE

- Design – All Phases Completed
- Phase I Awarded - 11/11/2019
- Phase I Construction - NTP  
1/13/2020
- When funded by SCWP, Issue  
Change Order in 2020
- June 2022.



# QUESTIONS?



Working together for a cleaner environment



# CITY OF LONG BEACH



## **LONG BEACH MUNICIPAL URBAN STORMWATER TREATMENT PROJECT (LB-MUST)**

February 11, 2020 – Lower LA River Watershed Area Steering Committee



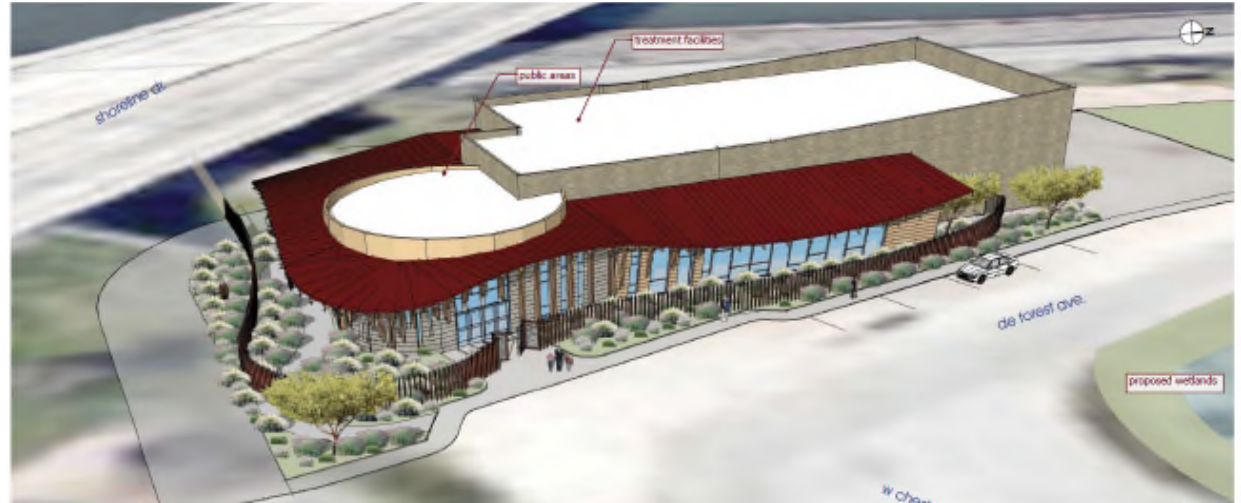
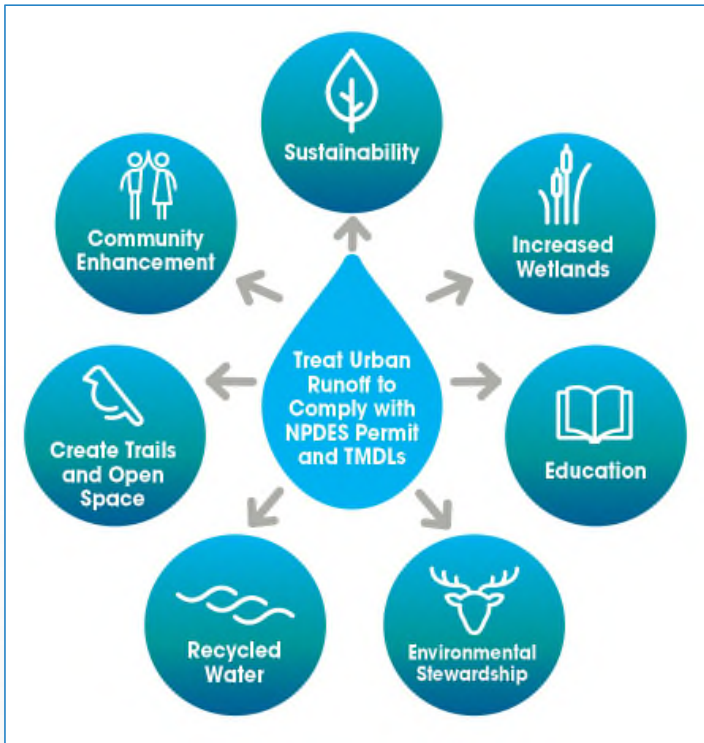


# Overview

- Project Lead: City of Long Beach
- The Long Beach Municipal Urban Stormwater Treatment (LB-MUST) Facility will capture stormwater from 12,300 acres by diverting flows from 22 pump stations and treating the stormwater prior to discharge or alternate water re-use.
- The project will be the impetus for development of eight (8) mile area of nature-based conveyance systems consisting of interconnected pipes, wetlands, and bio-swales.
- LB-MUST is described in the Lower Los Angeles River Watershed Management Program (LLAR WMP) and has also been incorporated into the Greater Los Angeles County (GLAC) Integrated Regional Watershed Management Plan (IRWMP) through the [OPTI database](#).
- The project is currently sized to treat 2 million gallons per day (MGD) and is designed for future expansion up to 4 MGD.



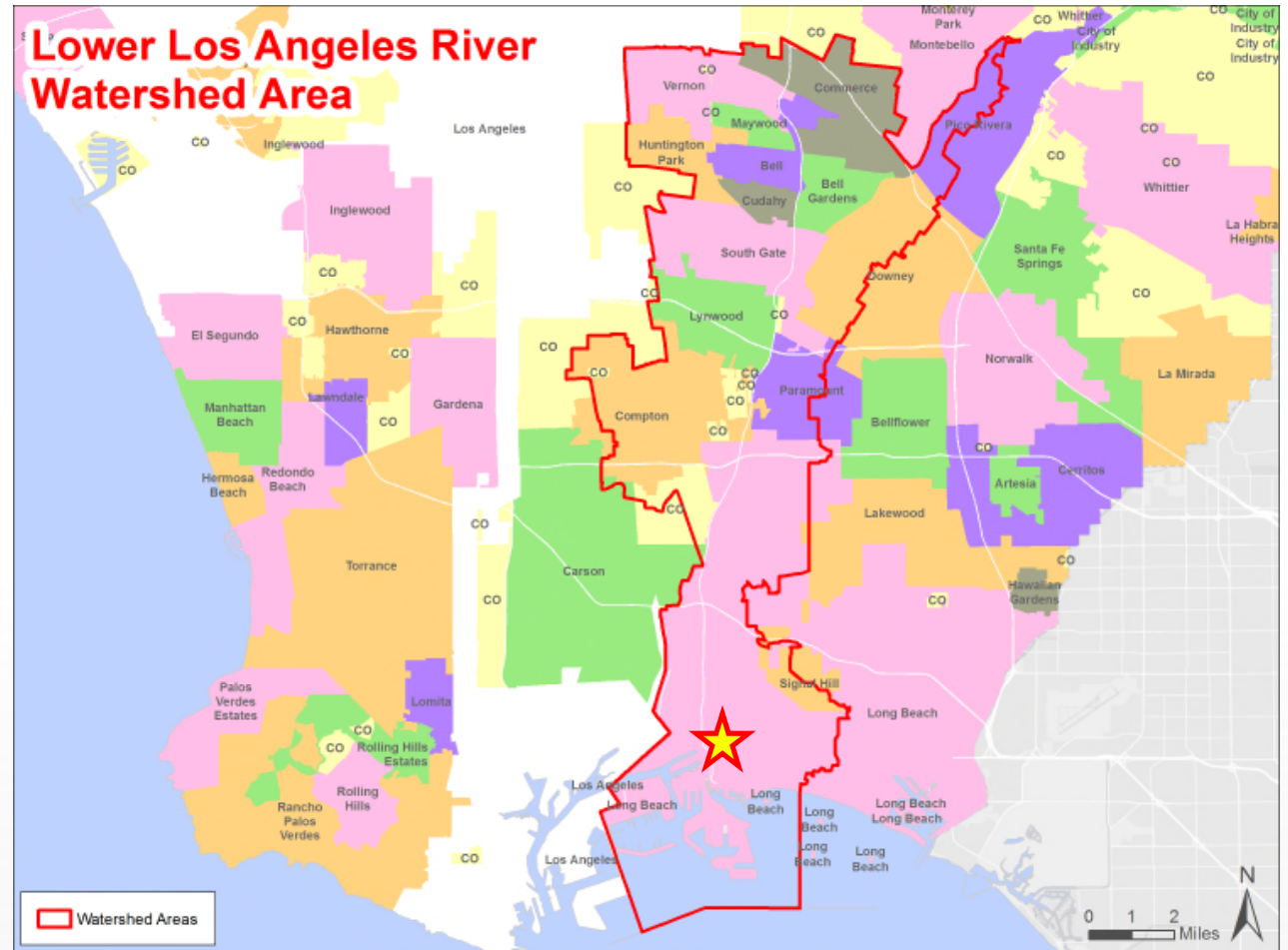
# Vision



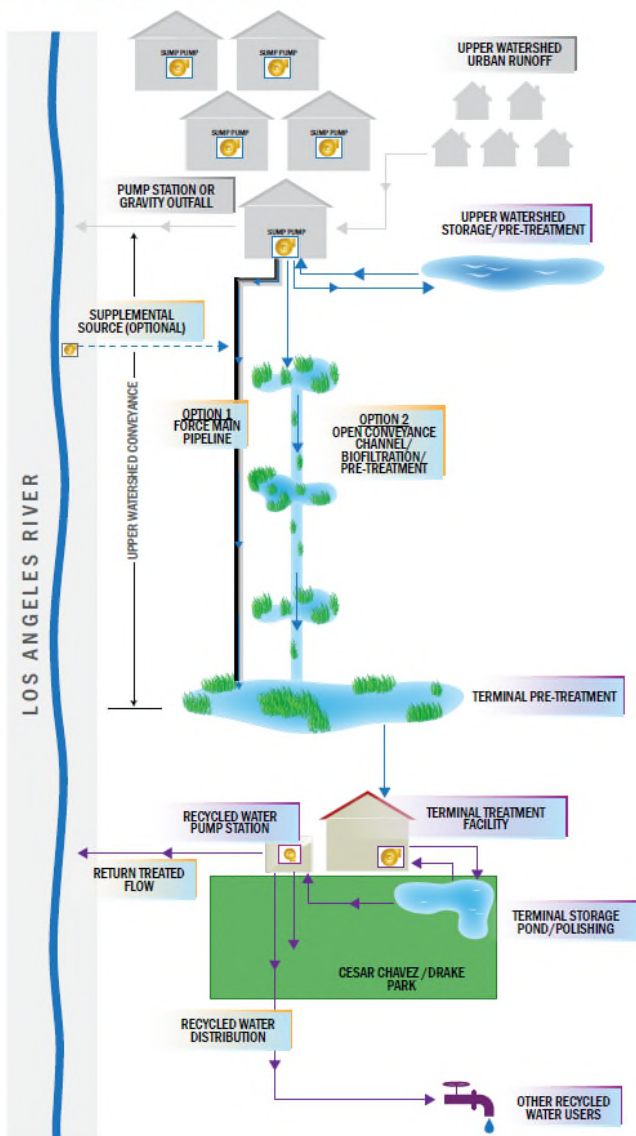


# Project Location

- Lower LA River Watershed
- San Pedro Bay
- Adjacent:
  - Terminus of I-710
  - Downtown Long Beach / Civic Center
  - Port of Long Beach
  - Shoemaker Bridge
  - Cesar-Chavez Park



## LB-MUST CONCEPT PLAN



# Program Concept

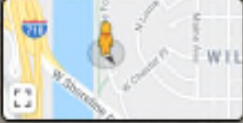
- **Three main components**
  - Conveyance and storage
  - Stormwater Treatment
  - Water Re-use
- **Concept**
  - Divert stormwater from existing pump stations
  - Redirect discharge to the stormwater treatment facility
  - Convey using existing pipes, bioswales, and linear wetlands

823 De Forest Ave

Long Beach, California

Google

Street View



Google

801 De Forest Ave

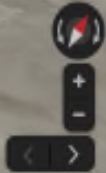
Long Beach, California

Google

Street View



Google

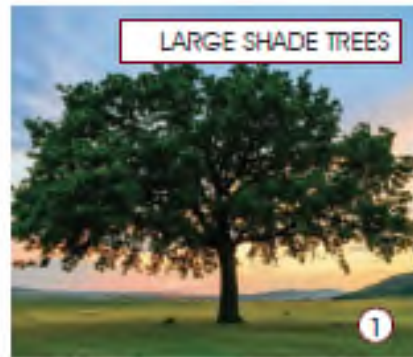






# Project Element Concepts

- **Water Quality and Supply**
  - Stormwater treatment
  - Potable water offset
- **Nature Based Solutions**
  - Large shade trees
  - Native vegetation
  - Rain garden / bio-swales
  - Low impact development (LID) demonstration
- **Other Benefits**
  - Planting signage/education
  - Permeable pavers
  - Shared bike/walking path
  - Pow-wow murals

































## Budget and Schedule

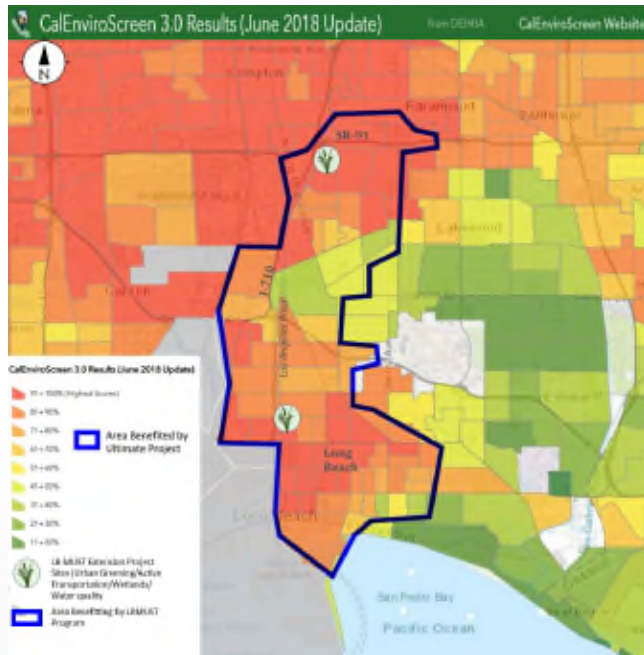


- **Current Budget = \$32 million**
  - \$28 million Caltrans
  - \$2 million Prop 1 – RMC Round 1
  - \$1 million Port of Long Beach
  - \$500,000 CA Coastal Conservancy
  - \$428,000 City of Long Beach
- **Current Estimate = \$43 million**
- **Budget Request = \$10.8 million**
- **2020**
  - Begin roadway realignment, ground improvements, and building construction
- **2021**
  - Begin equipment installation, ceramic facility demolition, and wetland construction
- **2022 - 2023**
  - Construction completion
  - Commission, startup, and acceptance





## Multiple Benefits



- Water Quality (MS4 compliance)
- Nature Based Solutions / Urban Greening
- Water Supply / Resilience
- Improved flood risk mitigation/management
- Improved access to waterways and increased recreational opportunities
- Improved public health
- New/enhanced wildlife habitat and wetland space
- Reduced heat island effect
- Carbon sequestration
- Located in and serves a disadvantaged community area (DAC)
- High priority area per CalEnviroScreen
- Pilot / framework for other public agencies



# Scoring Summary

- **Total Score = 66 pts**
  - Water Quality
  - Community Investment
  - Nature Based Solutions

Scoring Section	My Score	Max Points	Scoring Criteria
Water Quality Dry Weather Only Part 1	20	20	For dry weather BMPs only, Projects must be designed to capture, infiltrate, or divert 100% (unless infeasible or prohibited for habitat, etc) of all tributary dry weather flows.
Water Quality Dry Weather Only Part 2	20	20	For Dry Weather BMPs Only. Tributary Size of the Dry Weather BMP <ul style="list-style-type: none"> <li>• &lt;200 Acres = 10 points</li> <li>• &gt;200 Acres = 20 points</li> </ul>
Water Supply Part 1	N/A	13	<ul style="list-style-type: none"> <li>• &gt;\$2500/ac-ft = 0 points</li> <li>• \$2,000–2,500/ac-ft = 3 points</li> <li>• \$1500-2,000/ac-ft = 6 points</li> <li>• \$1000–1500/ac-ft = 10 points</li> <li>• &lt;\$1000/ac-ft = 13 points</li> </ul>
Water Supply Part 2	N/A	12	<ul style="list-style-type: none"> <li>• &lt;25 ac-ft/year = 0 points</li> <li>• 25 - 100 ac-ft/year = 2 points</li> <li>• 100 - 200 ac-ft/year = 5 points</li> <li>• 200 - 300 ac-ft/year = 9 points</li> <li>• &gt;300 ac-ft/year = 12 points</li> </ul>
Community Investment	10	10	<ul style="list-style-type: none"> <li>• One of the Community Investment Benefits defined above = 2 points</li> <li>• Three distinct Community Investment Benefits = 5 points</li> <li>• Six distinct Community Investment Benefit = 10 points</li> </ul>
Nature-Based Solutions	10	15	<ul style="list-style-type: none"> <li>• Implements natural processes or mimics natural processes to slow, detain, capture, and absorb/infiltrate water in a manner that protects, enhances and/or restores habitat, green space and/or usable open space = 5 points</li> <li>• Utilizes natural materials such as soils and vegetation with a preference for native vegetation = 5 points</li> <li>• Removes Impermeable Area from Project (1 point per 20% paved area removed) = 5 points</li> </ul>
Leveraging Funds Part 1	6	6	<ul style="list-style-type: none"> <li>• &gt;25% Funding Matched = 3 points</li> <li>• &gt;50% Funding Matched = 6 points</li> </ul>



# Thank You!



**Alvin Papa, PE**  
**City of Long Beach Public Works**  
**City Engineer**  
Tel: 562.570.6386  
Alvin.Papa@longbeach.gov  
www.longbeach.gov/pw

**Lincoln Lo, PE**  
**City of Long Beach Public Works**  
**Assistant City Engineer**  
Tel: 562.570.6695  
Lincoln.Lo@longbeach.gov  
www.longbeach.gov/pw



**Ed Othmer, PE**  
**Stantec Consulting**  
**Vice President**  
Tel: 858.751.1200  
Ed.Othmer@Stantec.com  
www.Stantec.com





Los Angeles River Upper Reach 2 Watershed Management Area (LAR UR2 WMA)  
**Salt Lake Park Infiltration Cistern**



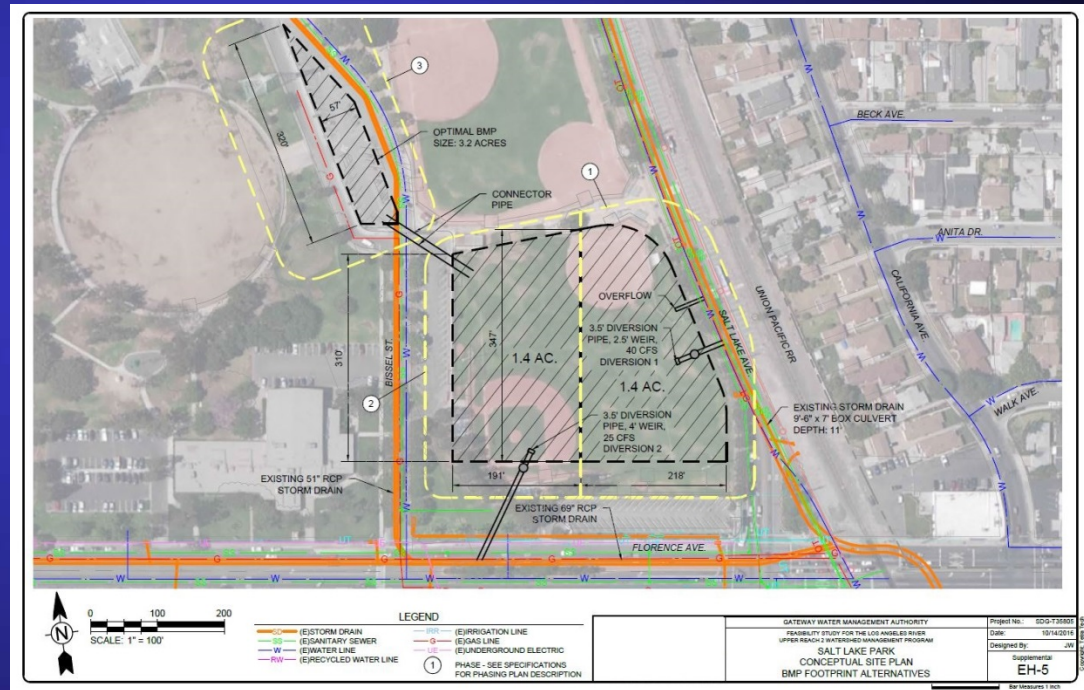
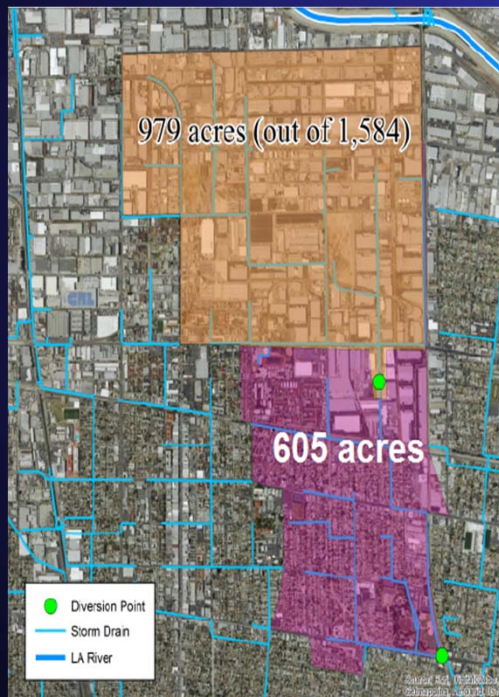
**SCWP Total Request: \$22,000,000**

City Lead: Christina Dixon, Huntington Park

Presented by: Gerald Greene, CWE



# WMP Project Locations



# Water Supply Benefits

Divert wet & dry flows from 9.5' x 7' RCB and 69" RCP

Hydrodynamic separation pretreatment

Deliver flows to 32 acre foot park cistern

Infiltrate 550 ac-ft annually into Central Basin aquifers

Future/current catchment: 605/1,584 acres  
24-hour runoff capture capacity: 34 acre-feet

# Water Quality Benefits

Mean Annual Load Capture (SCWP Module)		
Pollutant Name	1584-acre Catchment	605-acre Catchment
Total Zinc	27.0%	<b>60.3%</b>
Total Copper	25.7%	<b>59.2%</b>
Total Lead	23.3%	<b>55.4%</b>
<i>E. coli</i>	28.9%	<b>56.7%</b>

LAR UR2 WMA WMP LAR target *E. coli* load reduction 29%

**85<sup>th</sup> %ile storm: 1" × 605 acre × ft/12" × 2/3 = 34 ac-ft**

# Project Benefits



## Nature Based Solution

Supports ongoing/  
expanded recreation,  
groundwater recharge,  
improved receiving  
water quality, flood  
management, low  
energy demand



## DAC/Investment Benefits

Huntington Park  
catchment: mostly (90%)  
Severely Disadvantaged  
Vernon catchment:  
Disadvantaged  
LAR UR2 WMA: 28%  
Severely Disadvantaged  
72% Disadvantaged



## Local Support

Tree People, Commerce,  
Bell Gardens, and  
Vernon support letters  
LAR UR2 WMA MOAs for  
MS4P implementation of  
similar projects  
SWRCB 4/13/17 "SWRP  
Functionally Equivalent"

# Schedule

Milestone	Anticipated Completion Date
Permitting	February 2021
Design	March 2021
Award Construction Contract	June 2021
Start Construction	July 2021
Complete Construction	June 2023

In 2030, reanalyze based on DWP Transmission Easement Project Progress, Sixth/Seventh Term MS4 Permit, WMMS 3.0, and LAR Bacteria TMDL 2037 Compliance Deadline

# Budget

## Estimated Project Expenses

Planning and Design	\$2,000,000
Estimated Construction	\$25,500,000
<b>Total Estimated Capital Improvement Project Expenses</b>	<b>\$27,500,000</b>

## Annual Cost Breakdown

Annual Operation and Maintenance Cost	\$56,700
Module Generated Life-Cycle Cost	\$29,100,393
Module Generated Annualized Cost	\$1,212,825

# Cost Schedule

Project Cost Schedule				
Funding Source	FY 2020-2021	FY 2021-2022	FY 2022-2023	TOTAL
Safe Clean Water Program Funds	<b>\$2,000,000</b>	\$8,000,000	\$12,000,000	\$22,000,000
Leveraged Funds	\$500,000	\$2,000,000	\$3,000,000	\$5,500,000



# Contact



Christina Dixon  
Staff Analyst  
323.584.6323  
[cdixon@hpca.gov](mailto:cdixon@hpca.gov)

# Spane Park Regional Stormwater Project

(Total Funding Requested: \$11,400,000)

City of Paramount | Presented by John Hunter

Lower Los Angeles River Watershed Area Steering Committee

February 11, 2020

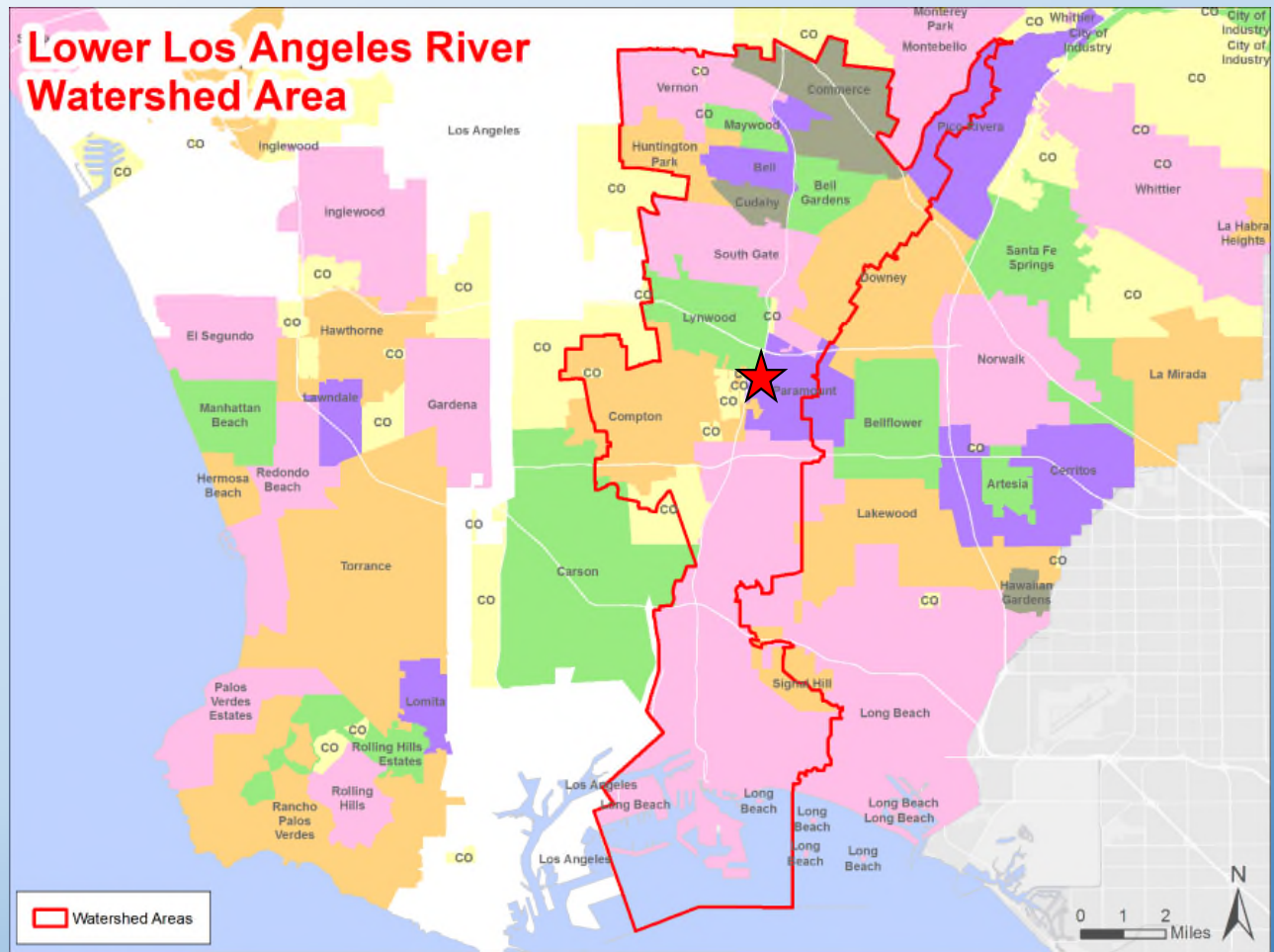
## Overview

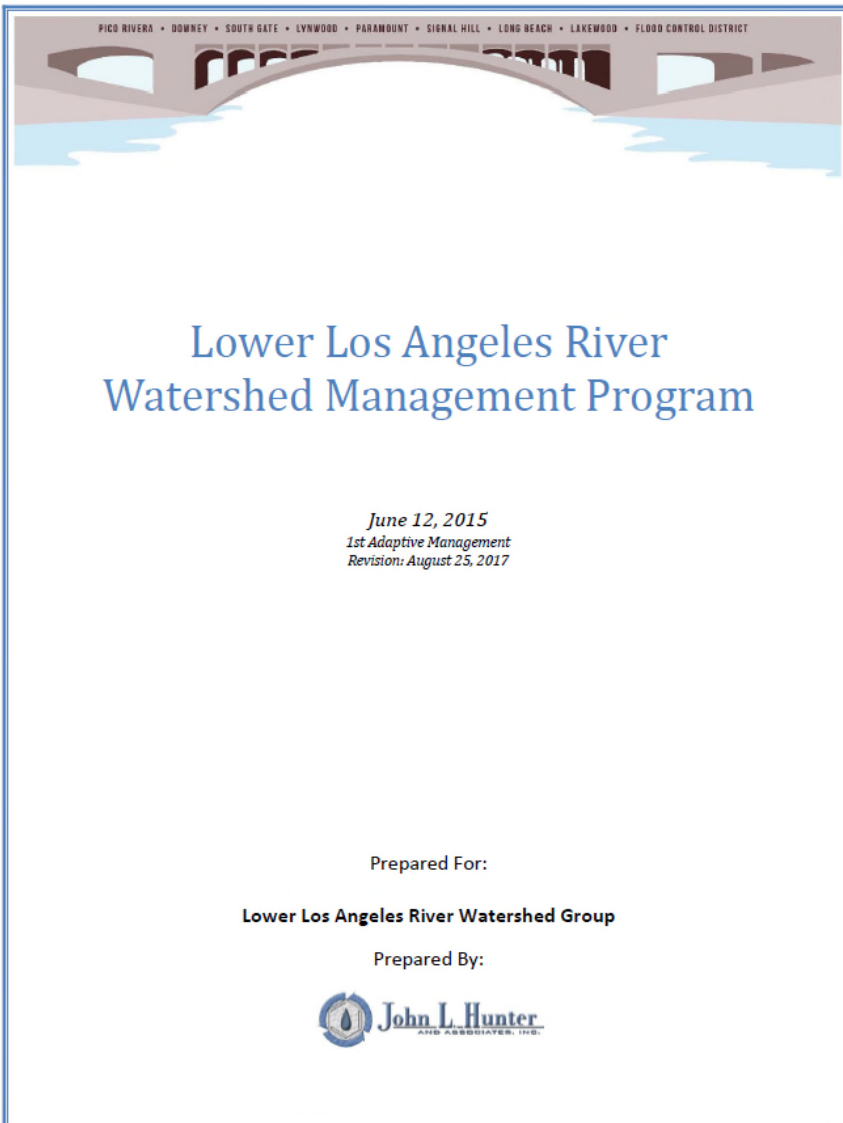
- Project Lead: City of Paramount
- Spane Park is a community park in the City of Paramount
- The City has a top priority to rehabilitate park facilities and install the first public access soccer field in the City
- Install a **3.5 acre-foot** capacity regional stormwater **capture and infiltration facility**, improving water quality and offsetting the potable water demand at the park
- Picnic area with **Native California landscaping**
- The project has a drainage area of 1,338 acres

## Three Primary Goals

1. Increased water supply
2. Improved water (runoff) quality
3. Enhanced recreational opportunities

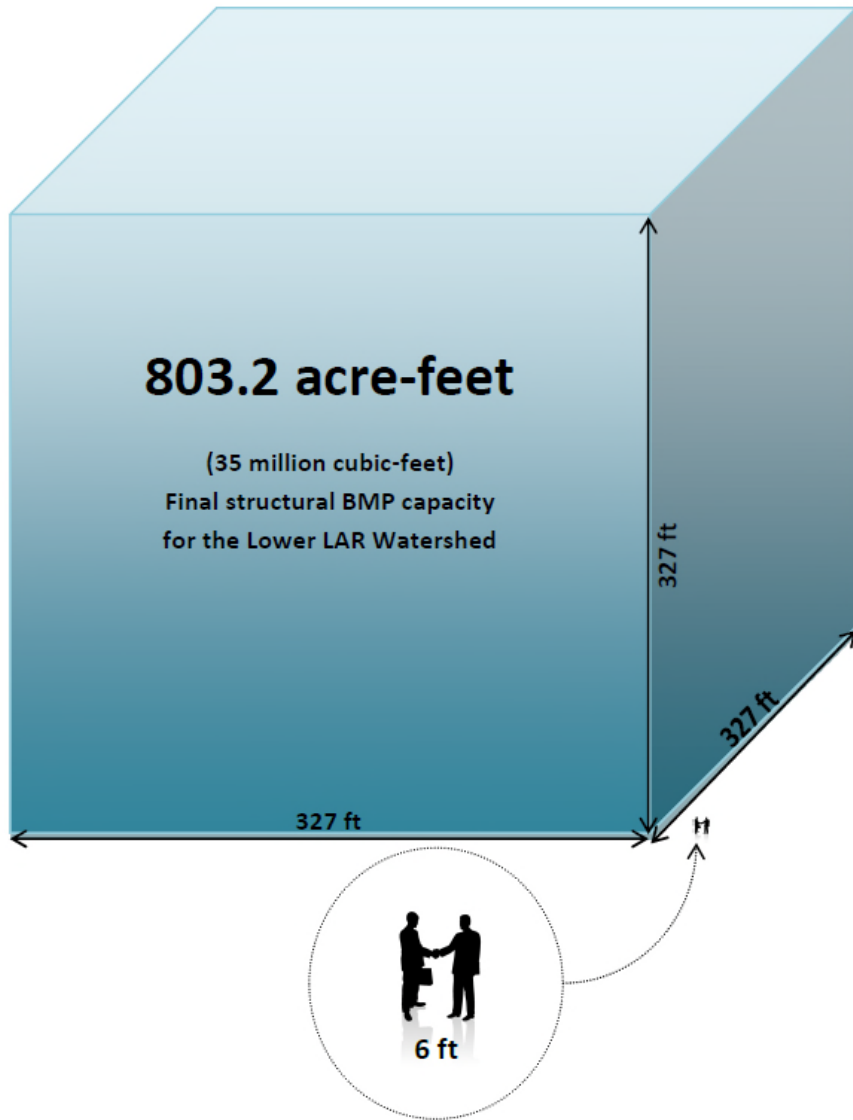
Project Area





## Lower Los Angeles River Watershed Management Program (LLAR WMP)

- Conditionally approved on April 28, 2015 and subsequently approved on July 21, 2015
- Consists of the following permittees: Downey, Lakewood, Long Beach, Lynwood, Paramount, Pico Rivera, Signal Hill, South Gate, Los Angeles County Flood Control District
- Outlines the path to achieving compliance with the MS4 Permit

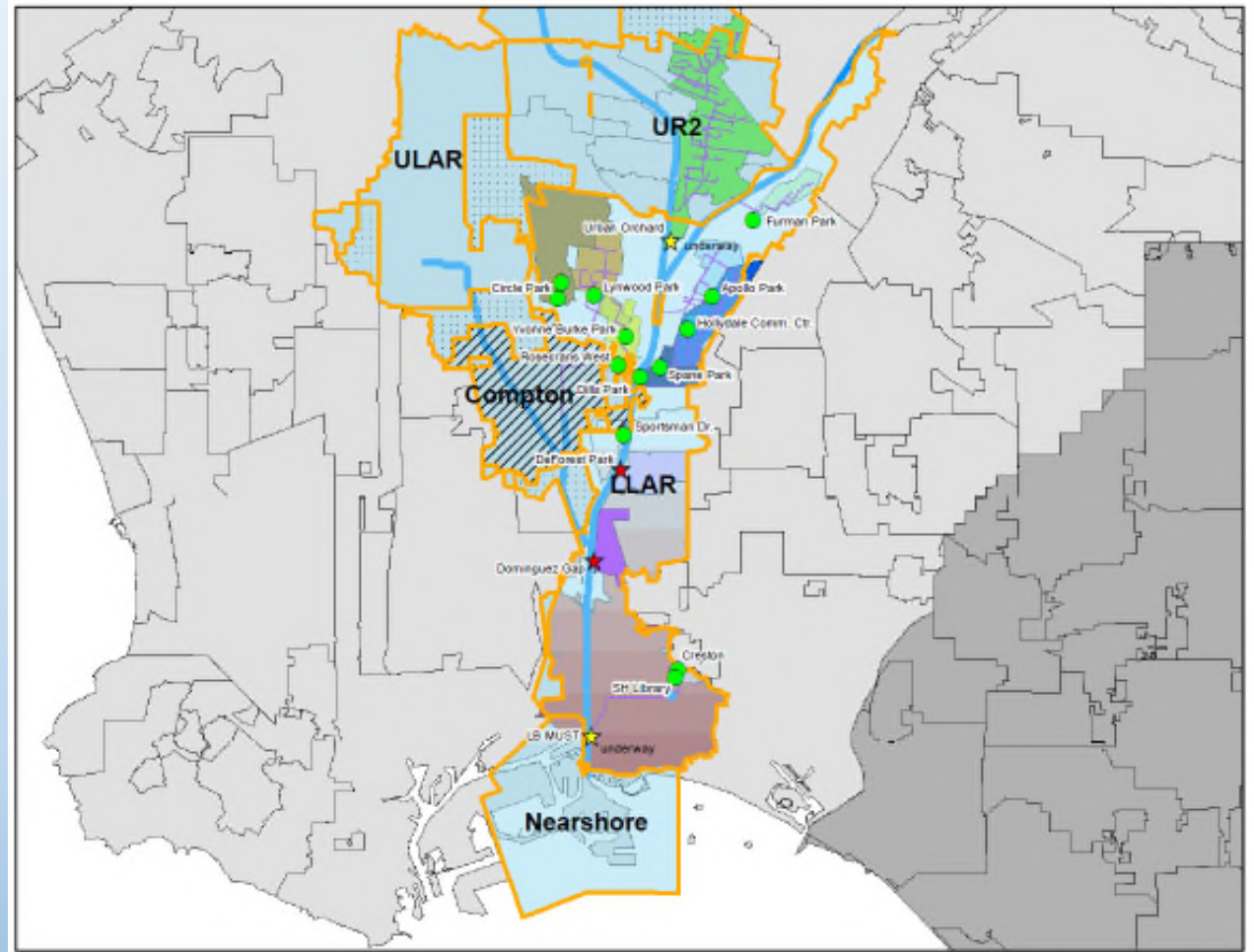


## Volume Capture Milestones

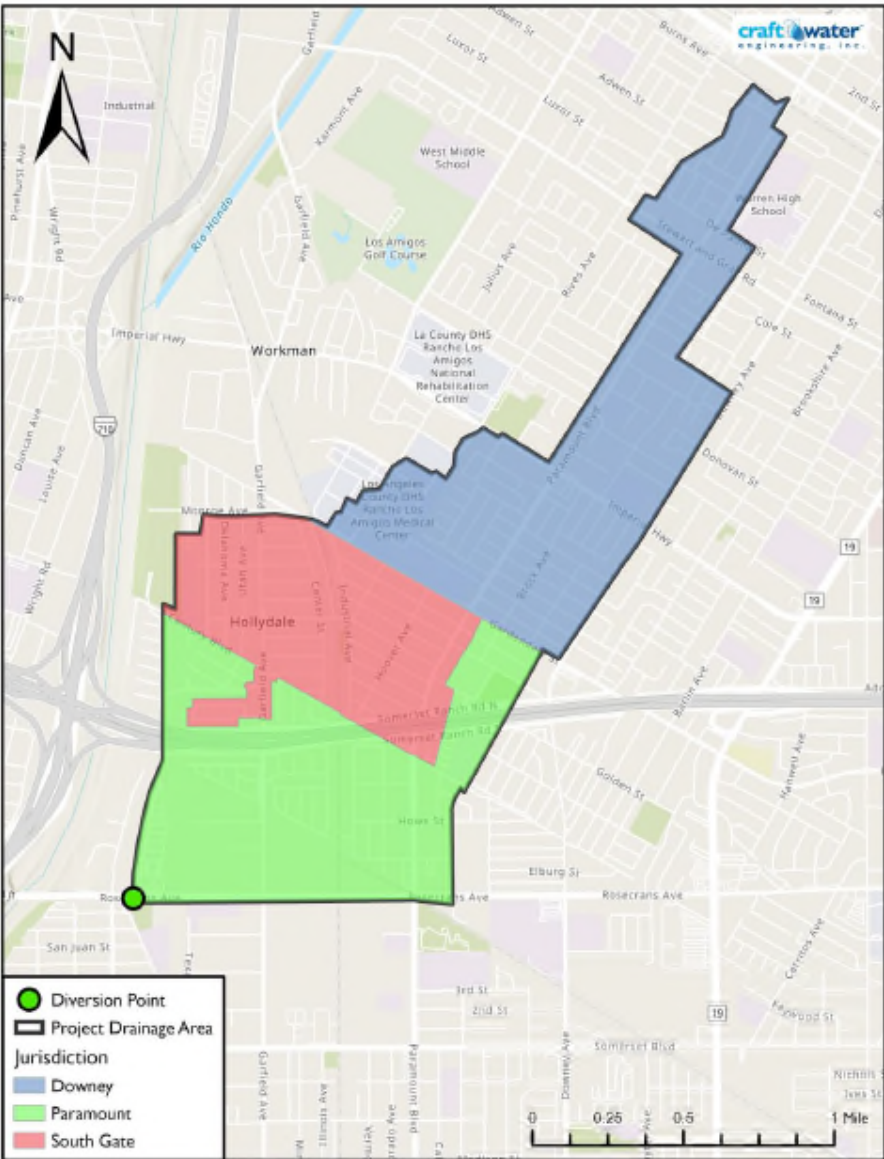
- The modeling done to develop the LLAR WMP found that total structural BMP capacity needed to comply with water quality limits in the LLAR Watershed is 803.2 acre-feet

## LLAR Corridors

- The LLAR WMP identified ideal locations for regional projects designed to address water quality objectives, including Spane Park
- Sites were assessed based on an array of factors including land use, area, tributary area, and maximum design capture volume







# Drainage Area

Jurisdiction	Area (acres)
Paramount	483
Downey	528
South Gate	327
<b>Total</b>	<b>1,338</b>



SCWF

Paramount Spane Park Stormwater Capture Feasibility Study

## Preliminary Design Report – Paramount Spane Park

Paramount Spane Park

November 1, 2019



John L. Hunter and Associates, Inc.  
8131 Orangeflora Avenue, Suite 300  
Buena Park, CA 90829

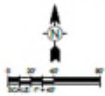
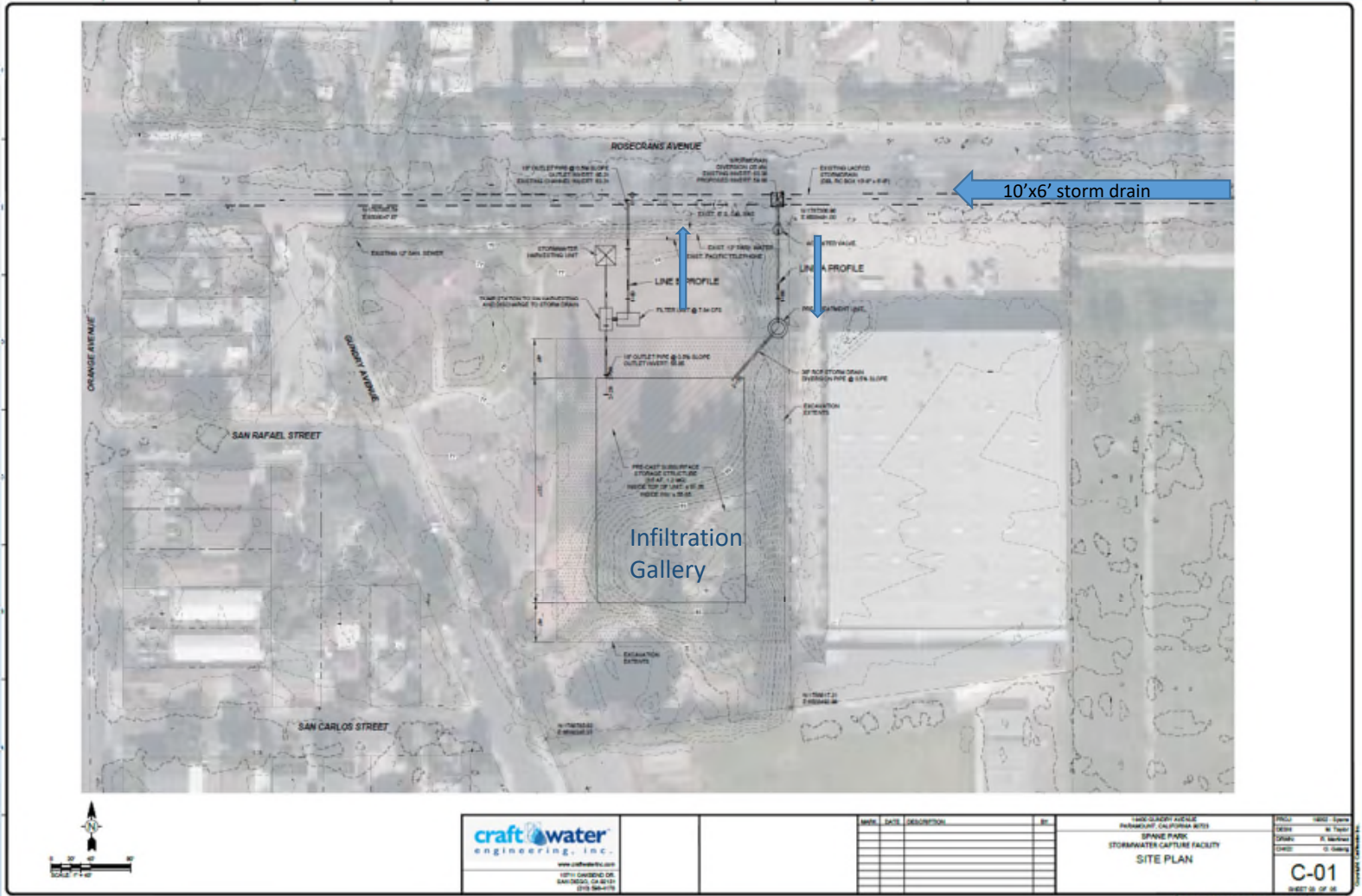
**craftwater**  
engineering, inc.

As a Top Tier project location

The LLAR Watershed Management Group previously contributed \$70,000 for the development of 10% design plans and a preliminary design report



Conceptual layout



**craft water**  
engineering, inc.  
www.craftwater.com  
10711 CANTON RD.  
SAN CARLOS, CA 94503  
(925) 554-4110

NO.	DATE	DESCRIPTION	BY

1000 OLIVARY AVENUE  
REDWOOD CITY, CALIFORNIA 94063  
SPANE PARK  
STORMWATER CAPTURE FACILITY  
SITE PLAN

PROJECT NO. 15001  
DATE: 06/20/15  
DRAWN BY: J. BARNETT  
CHECKED BY: J. BARNETT  
**C-01**  
SHEET 08 OF 08

50' Maximum 1 inch, otherwise showing not to scale.

# Nature Based Solutions

Plans call for:

A California native themed picnic area

Parking lot draining to infiltration/treatment



## Water Quality & Supply Benefits

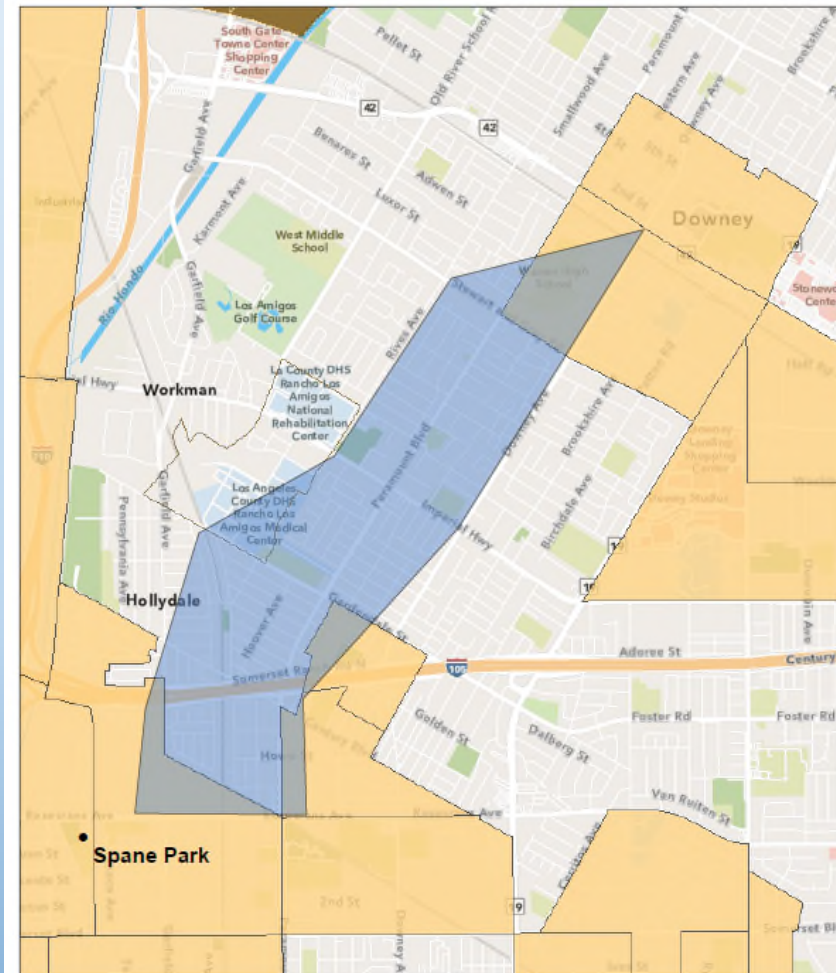
- The project will entail the construction of a regional stormwater capture and filtration facility with a drainage area of 1,338 acres
- The project will address total zinc as the primary pollutant and bacteria as the secondary pollutant (both identified in the LLAR WMP)
- A pump and filter system provide final pollutant removal prior to discharge back into the storm drain channel during larger events, while the smaller events are anticipated to infiltrate
- The project will entail the installation of a bioswale along the north end of the park, an ephemeral stream, and permeable pavements and bioretention areas within the parking lots and pathways

## Funding Requested

- Total SCW Funding Requested: **\$11,400,000**
  - FY 20-21: \$2,300,000 for final design, permitting, and initial construction
  - FY 21-22: \$3,300,000 for construction
  - FY 22-23: \$3,200,000 for construction
  - FY 23-24: \$2,500,000 for final construction, installation of soccer fields/parking lot low impact development (LID) BMPs, and surface improvements
  - FY 24-25: \$100,000 for O&M and monitoring

# Community Investment Benefits & Nature Based Solutions

- Improved flood risk mitigation/management
- Enhanced park space
- California Native themed landscaping
- Increased recreational opportunities (i.e. new City-owned soccer fields)
- Enhanced green spaces immediately adjacent to Los Cerritos Elementary School



Disadvantaged Communities - Tract 2016

□ Data Not Available

■ Severely Disadvantaged Communities (MHI < \$38,270)

■ Disadvantaged Communities (\$38,270 > MHI < \$51,026)

Spane Park Drainage

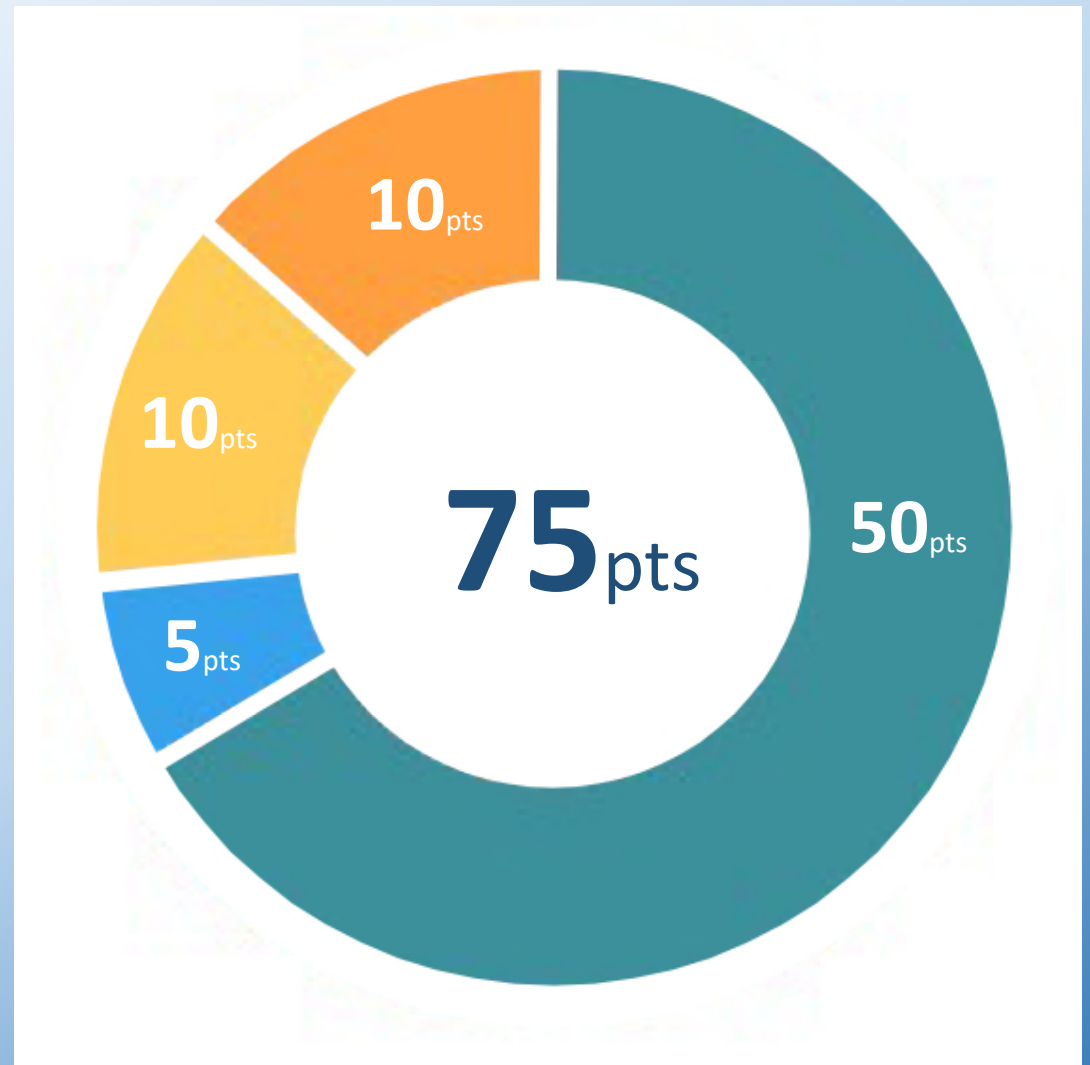
■ Drainage Area



## (City's) Scoring Summary

- Water Quality
- Water Supply
- Community Investment
- Nature-Based Solutions

Scoring Committee's score:  
"Above Threshold"



Questions?