

Safe, Clean Water Program

Upper San Gabriel River

Watershed Area Steering Committee (WASC)



Meeting Minutes:

Monday, February 24, 2020
1:30pm-3:30pm
Sanitation Districts of Los Angeles County
1955 Workman Mill Road, Whittier, CA 90601

Attendees:

Committee Members Present:

Julian Juarez (LA County Flood Control District)	David Diaz (Active SGV)
Robert O. Tock (Upper San Gabriel District)	John Beshay (Baldwin Park)
Kelly Gardner (Main San Gabriel Basin)	Amanda Hamilton (Bradbury)
Kristen Ruffell (Sanitation Districts)	Alison Sweet (Glendora)
Mark Glassock* (Los Angeles County Parks and Recreation)	Joshua Nelson (Industry)
Bob Huff (Huff Strategies)	Fernando Villaluna* (LA County)
Debbie Enos (Watershed Conservation Authority)	Julie Carver (Pomona)
	Lisa O'Brien (La Verne)

Committee Members Not Present:

Brian Urias (Former USGVMWD Board Member)	Ed Reyes (Ed P. Reyes & Associates)
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*Committee Member Alternate

See attached sign-in sheet for full list of attendees

1. Welcome and Introductions

Mr. Alva, the Chair of the Upper San Gabriel River WASC, called the meeting to order.

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

2. Approval of Meeting Minutes from February 10, 2020

The Los Angeles County Flood Control District (District) provided a copy of the meeting minutes from the previous meeting. Mr. Alva asked the committee members for comments or revisions. The committee had no comments.

The Committee voted to approve the meeting minutes from February 10, 2020 (unanimous).

3. Committee Member and District Updates

Mr. Kevin Kim (District) provided a summary of the scoring progress so far by the Scoring Committee (SC), adoption of the General Income Based Tax Reduction Program, and informed the committee of the Meeting of Chairs/Vice Chairs on Thursday, February 27, 2020.

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4. Public Comment Period

No public comment

5. Discussion Items

a) Presentations:

i) Infrastructure Program

(1) Encanto Park Stormwater Capture Project (City of Monrovia)

Presentation by Alexi Tachiki and Oliver Galang. The proposed Project consists of a regional multi-benefit stormwater capture facility beneath the parking lot of Encanto Park and capturing storm and urban runoff from the adjacent storm drain. This project was identified for implementation in the RH/SGR revised Watershed Management Plan.

The committee asked about the project components. The Project team stated that the project consists of pre- and post-treatment to increase overall performance and cost efficiency. The system has an inflow capacity of 10cfs, and approximately 2 cfs is pumped to the post-treatment system providing additional capacity. The net effect in pollutant load reduction is approximately 80-90% through removal. The landscaping plan would be developed as part of the final design phase.

Mr. Diaz asked about leveraged funding. The Project team stated a Joint Powers Authority (JPA) should be in place within 6-9 months. The District has no deadline or guidance for the development of JPAs. Mr. Alva noted that there is already a cost share agreement, so the JPA may not be critical because the watershed group has already financially committed and signed memorandums of understanding.

Mr. Diaz also asked about workforce development which will be developed as part of the bid process.

Mr. Nelson asked for details on the geotechnical analysis. The Project team stated that the current data is based off of a desktop analysis, but the field analysis should be conducted within 2-3 months. The project is located adjacent to the San Gabriel River so there is a good probability of high infiltration rates.

Mr. Huff asked about stormwater harvesting unit. It was noted that a large area is needed and would not be as cost effective. The cost-benefit analysis determined that the current design is the most cost effective.

(2) Wingate Park Regional EWMP Project (City of Covina)

Presentation by Sharon Gallant. The proposed project included in in the Upper San Gabriel River EWMP and Upper San Gabriel IRWMP is a regional multi-beneficial project that will capture, treat, and infiltrate urban stormwater from the cities of Covina, Glendora, San Dimas, and surrounding unincorporated areas of Los Angeles County.

Ms. Gardner noted that the sale and purchase of Water compliance credits has been done in Culver City where several cities contribute to compliance points and have the responsibility to reduce pollutant loads.

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Mr. Juarez requested clarification on the funding request and schedule. Ms. Gallant clarified that their funding request was distributed based on annual Safe, Clean Water funding available and the applicant would reimburse themselves once funding was received. The request only includes design activities conducted after November 2018.

Mr. Glassock asked about recreational activities during construction. The Project team stated that construction would be phased or the community could use other nearby city facilities. The other on-site facilities would not be affected.

Ms. Gardner requested clarification on potential scoring inconsistencies between similar projects.

Mr. Diaz asked what motivated the project. Ms. Gallant stated that it was identified as part of the EWMP process and stakeholder process. Community outreach and engagement will be further developed as the project moves forward.

(3) Bassett High School Stormwater Capture Multi-Benefit Project (Los Angeles County)

Presentation by Iwen Tseng. The proposed Bassett High School project, located in the City of La Puente, will improve water quality, incorporate LID feature and create new open space to promote healthy lifestyle in a disadvantaged community.

Mr. Diaz asked if leveraged funding has been secured. Ms. Tseng stated that the cities in the USGR EWMP are interested in partnering and they are currently waiting for a letter of commitment. LA County would contribute funding as well. If the project receives grant funding through IRWMP, the Safe, Clean Water request could be reduced by an additional \$3 million. The Project currently has a conceptual design plan & 30% design plans.

Ms. Ruffell asked for information regarding drainage area by municipality. The applicant provided the following information:

City	Drainage Area Breakdown
Unincorporated County	43%
West Covina	41%
La Puente	12%
Industry	3%
Baldwin Park	1%
TOTAL	100%

The committee asked about the project components. Ms. Tseng stated that the project addresses all onsite runoff. The cost for this project is generally higher because it includes 8 diversions. Reconstruction of the roadways will be coordinated with the LA County transportation core service area to sequence construction activities. The applicant will investigate opportunities to incorporate nature-based solutions in the reconstruction.



ii) Technical Resources Program:

None

iii) Scientific Studies Program:

None

b) Discussion for Stormwater Investment Plan Development Process

i) Disadvantage Community benefit

Mr. Kim clarified that If the WASC confirms that a project provides DAC benefits and the project is included in the SIP, the full funding amount will be used toward the DAC criteria calculation. The District will provide a summary of DAC benefits at the next meeting.

ii) Infrastructure Program, Technical Resources Program, and Scientific Studies Program project selection process

Mr. Kim stated that the District recommends the WASCs allocate up to 80% of the estimated Regional Program Funds to account for tax reductions and appeals. For the subsequent 4 years, the District recommends the WASCs allocate up to 50% of the estimated Regional Program Funds. Any unused funds will roll over to the following Fiscal Year. Ms. Melanie Morita (District) provided a preview of the SIP planning tool to assist in developing the SIP.

iii) Voting options and process

The District solicited recommendations on how the committee would like to select projects.

Ms. Ruffell suggested the committee (1) vote on the targeted percent allocation for each year. (2) vote on the Scientific Study, then (3) rank all Infrastructure Program Projects.

Mr. Alva would like to consider phasing projects and funding planning & design first.

6. Voting Items

None.

7. Items for next agenda

The District recommends the following items for the next agenda:

- a) Further discussion on project selection and voting process
- b) Stormwater Investment Plan discussion and development

Mr. Alva solicited additional recommendations from the committee for the next agenda.

8. Adjournment

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

Upper San Gabriel River
 Watershed Area Steering Committee Meeting
 COMMITTEE MEMBER AND ALTERNATE SIGN-IN



Member Name	Municipality/ Organization	Email Address		Signature
Julian Juarez	FCD	JJUAREZ@dpw.lacounty.gov	P	<i>Julian Juarez</i>
Carolina Hernandez	FCD	CHERNANDEZ@dpw.lacounty.gov	A	
Tom Love	Upper San Gabriel District	tom@usgvmwd.org	P	
Robert O. Tock	Upper San Gabriel District	robert@usgvmwd.org; christy@usgvmwd.org	A	
Kelly Gardner	Main San Gabriel Basin	kelly@watermaster.org	P	<i>Kelly Gardner</i>
Tony Zampielo	Main San Gabriel Basin Watermaster	tony@watermaster.org	A	
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Martha Tremblay	Sanitation Districts	mtremblay@lacsds.org	A	
Alina Bokde	Los Angeles County Parks and Recreation	Abokde@parks.lacounty.gov	P	
Mark Glassock	Los Angeles County Parks and Recreation	mglassock@parks.lacounty.gov	A	<i>Mark Glassock</i>
Bob Huff	Huff Strategies	bobhuff99@gmail.com	P	<i>Bob Huff</i>
Bryan Urias	Former USGVMWD Board Member	b.urias@yahoo.com	P	
Brian Villagomez	SGV Habitat For Humanity	bdv8@humboldt.edu	A	
Debbie Enos	Watershed Conservation Authority	denos@wca.ca.gov	P	<i>Debbie Enos</i>
Jane Tsong	Watershed Conservation Authority	jtsong@wca.ca.gov	A	

Upper San Gabriel River
 Watershed Area Steering Committee Meeting
 COMMITTEE MEMBER AND ALTERNATE SIGN-IN



Member Name	Municipality/ Organization	Email Address		Signature
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Alison Sweet	Glendora	asweet@cityofglendora.org	P	
Sharon Gallant	Covina	SGallant@covinaca.gov	A	
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Mark Lombos	Los Angeles County	MLOMBOS@dpw.lacounty.gov	A	
Fernando Villaluna	Los Angeles County	FVILLALUNA@dpw.lacounty.gov	A	
Julie Carver	Pomona	Julie_Carver@ci.pomona.ca.us	P	

Upper San Gabriel River
 Watershed Area Steering Committee Meeting
 COMMITTEE MEMBER AND ALTERNATE SIGN-IN



Member Name	Municipality/ Organization	Email Address		Signature
Fabian Aoun	Diamond Bar	faoun@diamondbarca.gov	A	
Lisa O'Brien	La Verne	lobrien@cityoflaverne.org	P	<i>Lisa O'Brien</i>
Shari Garwick	San Dimas	SGarwick@sandimasca.gov	A	
<i>Hans Tremmel</i>	<i>Western Solutions</i>	<i>hans.tremmel@western Solutions.com</i>		<i>Hans Tremmel</i>

Upper San Gabriel River
 Watershed Area Steering Committee Meeting
 PUBLIC SIGN-IN



First Name	Last Name	Municipality/Organization	Email Address
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JAMES	CRANSIE	CNC ENG/CITY OF IND	JCRANSIE@CNC-ENG.COM
Alex	Tachiki	Monrovia	
OLIVER	GALANG	CRAFTWATER FORK	oliver.galang@craftwaterfork.com
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JINET	Rodriguez	IEC	
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Sal P. Ryan			

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

Upper San Gabriel River
Watershed Area Steering Committee Meeting
PUBLIC SIGN-IN



First Name	Last Name	Municipality/Organization	Email Address
Laura	Santos	Bassett	laurasantos3454@gmail.com

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

craftwater
engineering, inc.

UPPER SAN GABRIEL RIVER WATERSHED AREA STEERING COMMITTEE
February 24, 2020 | City of Monrovia and Duarte

RIO HONDO
SAN GABRIEL
RIVER
WATER QUALITY GROUP

Encanto Park Stormwater Capture Project

PRESENTED BY
Alex Tachiki, Rio Hondo San Gabriel River Water Quality Group
Oliver Galang, PE | Craftwater Engineering

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**UPPER SAN GABRIEL RIVER WATERSHED AREA STEERING COMMITTEE
SAFE, CLEAN WATER PROGRAM INFORMATION**

DESCRIPTION	DATA/INFORMATION
PROJECT NAME	Encanto Park Stormwater Capture Project
PROJECT LEAD	City of Monrovia on behalf of the Rio Hondo San Gabriel River Water Quality Group
PRESENTERS	Alex Tachiki , City of Monrovia and Rio Hondo Water Quality Group Oliver Galang , Craftwater Engineering
TOTAL FUNDING REQUEST	TOTAL PROJECT COST: \$2.5 Million <ul style="list-style-type: none"> • Planning, Design, Construction Mgt: \$700k • Construction: \$1.8 Million

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REGIONAL WATER MANAGEMENT PROGRAM
Rio Hondo San Gabriel River revised Watershed Management Program



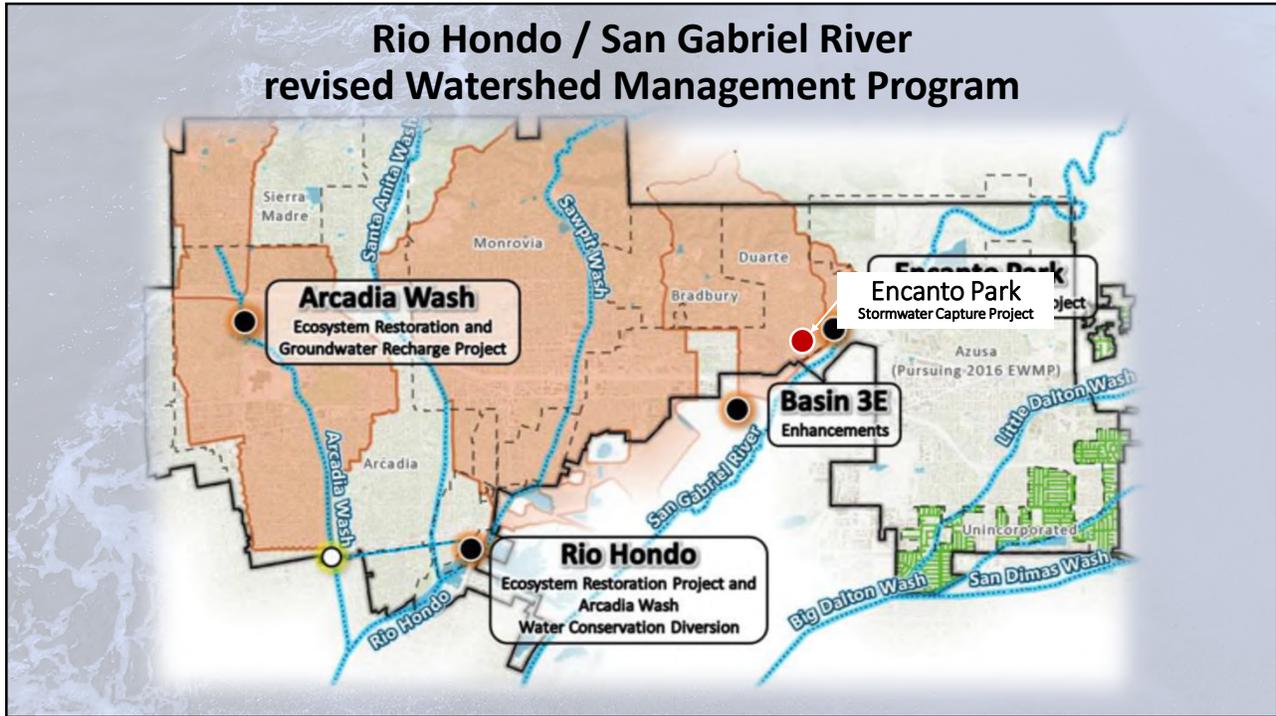
Rio Hondo/San Gabriel River Watershed is a **26,240-acre watershed**

Highest priority pollutants include metals, with **zinc as the limiting pollutant**, and **bacteria**

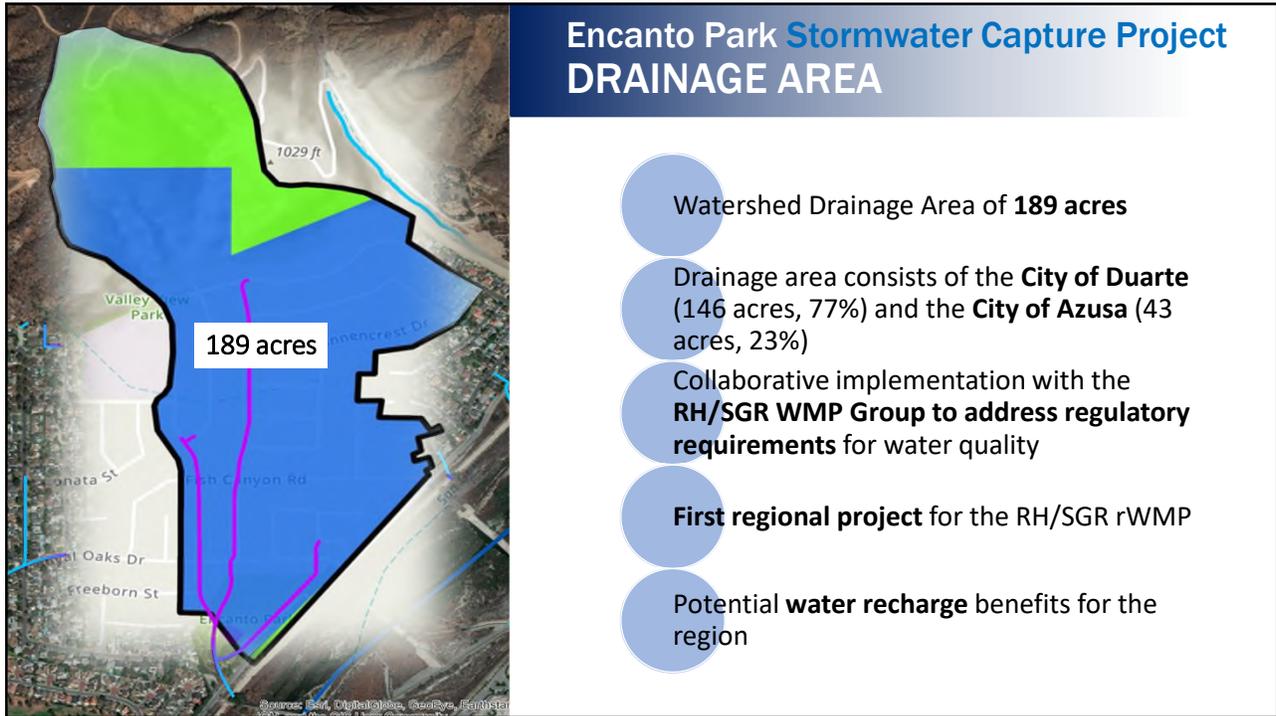
RH/SGR WMP was approved on 4/21/16 and was revised and approved on 05/17/2019

The **revised compliance strategy** relies heavily on regional projects and green streets

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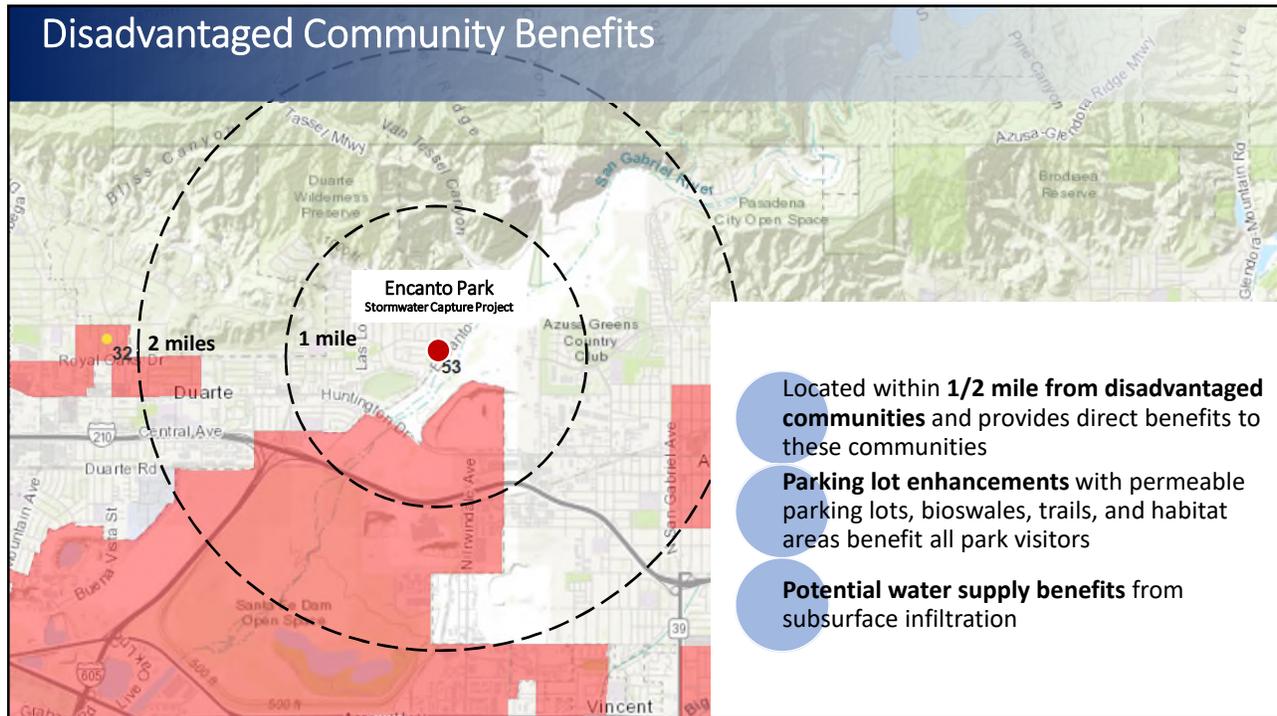
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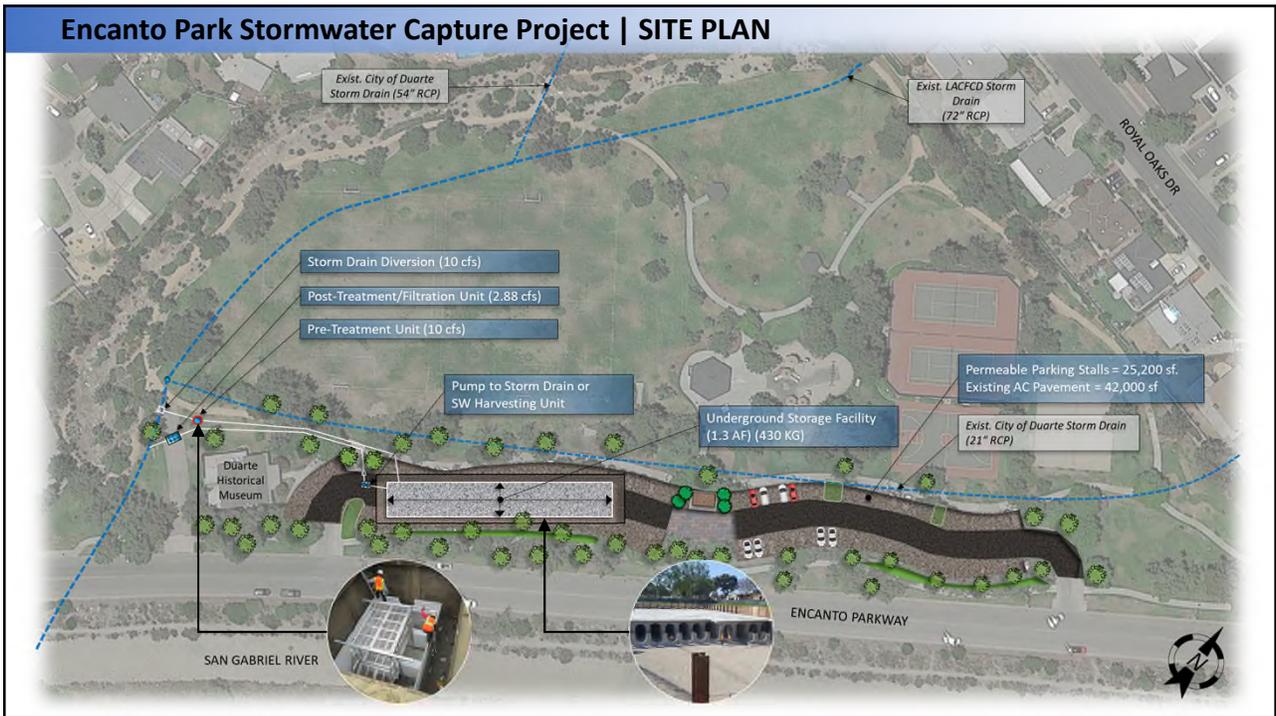
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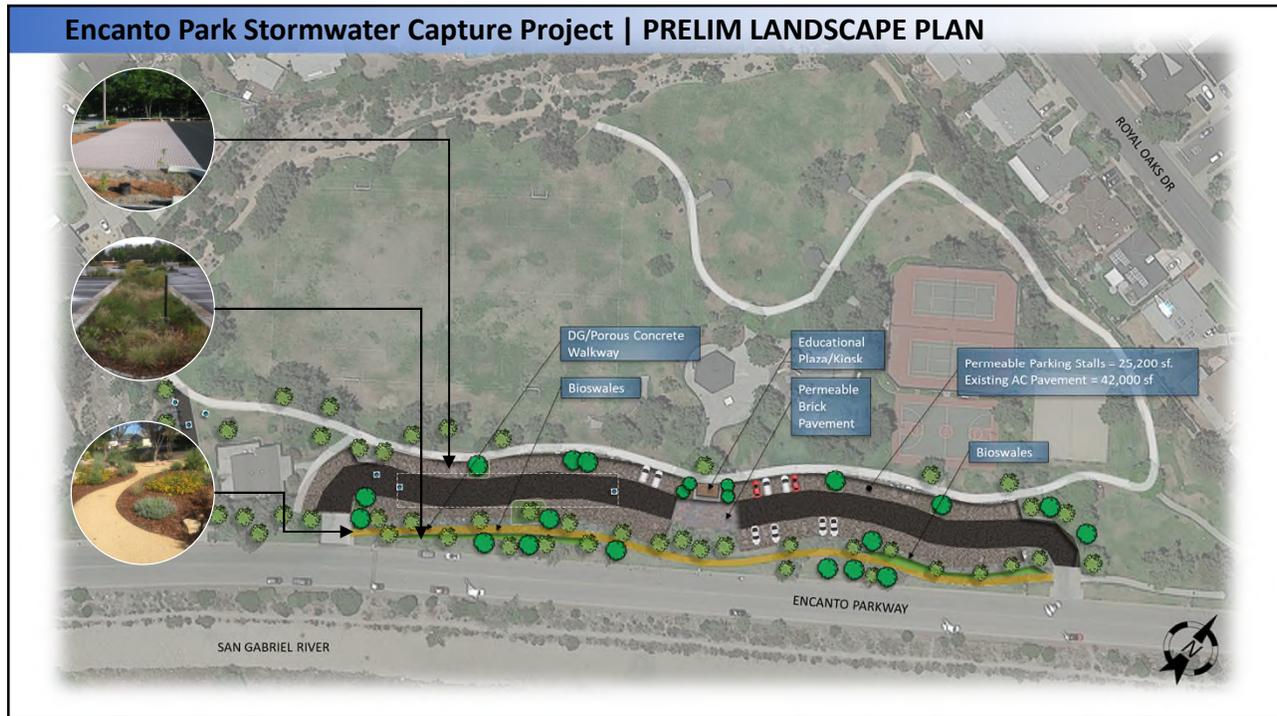
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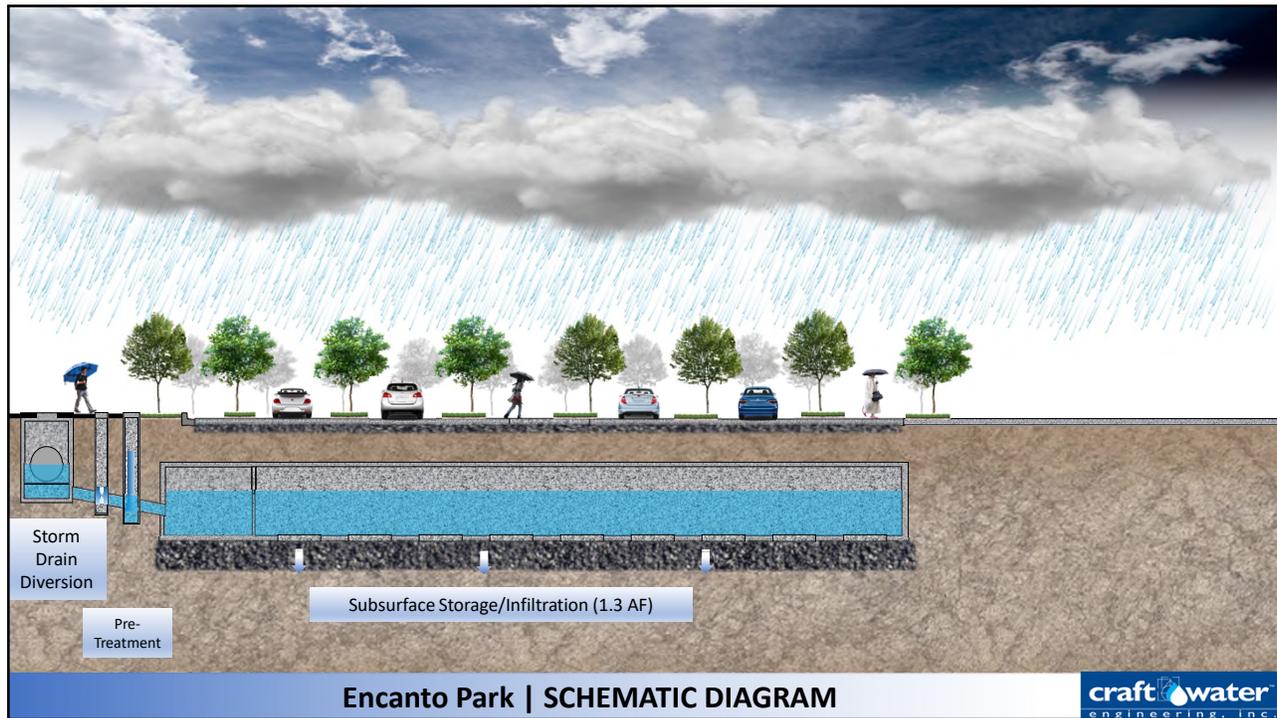
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ENCANTO PARK STORMWATER CAPTURE PROJECT Schedule and 5 Year Look Ahead

TASK NAME	Start	Finish
PHASE 1. PERMITTING & APPROVALS	September 2020	September 2021
PHASE 2. CONSTRUCTION DRAWINGS	September 2020	September 2021
PHASE 3. CONSTRUCTION	January 2022	September 2023
OPERATION AND MAINTENANCE	October 2023	June 2025+

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ENCANTO PARK STORMWATER CAPTURE PROJECT Expenditure Projections of SCW Program Funds

YEAR	FISCAL YEAR	SCW FUNDS	DESCRIPTION
1	FY 20-21	\$ 702,860	Planning, Design, and Permitting Bidding, Contracting, Mobilization and Construction
2	FY 21-22	\$ 827,000	
3	FY 22-23	\$ 952,388	Construction
4	FY 23-24	TBD	O&M (Future request)
5	FY 24-25	TBD	O&M (Future request)

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Summary of Benefits for a Feasibility Study

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A landscape photograph showing a grassy field in the foreground, trees in the middle ground, and mountains in the background under a clear sky. On the right side of the image, there is a white vertical panel with a blue border containing a list of benefits. Each item is preceded by a blue circular graphic element.

ENCANTO PARK STORMWATER CAPTURE PROJECT WATER QUALITY AND WATER SUPPLY BENEFITS

- Subsurface Storage: **1.3 AF**
- 24-Hour Treatment: **7.5 AF**
- Primary Pollutant: **Zinc (95%)**
- Secondary Pollutant: **E. Coli (81%)**
- Potential Annual Water Supply/Recharge Benefit: **75 AF**

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ENCANTO PARK STORMWATER CAPTURE PROJECT COMMUNITY INVESTMENT and NATURE-BASED SOLUTIONS



- Improved flood management** with diversion and storage structure
- Enhancement of park** with parking lot improvements and native landscaping
- Enhanced recreation** opportunities with passive DG trail
- Reduced heat island effect** with additional trees

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Safe, Clean Water Scoring Review Preliminary Score **74** Scoring Committee **67**

Encanto Park Stormwater Capture Project					
Section	Scoring Standards		PRELIM SCORE	COMMENT	
D. Nature-Based Solutions	The project implements Nature-Based Solutions				
	DD1. Project:				
		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	5	12	<i>Parking Lot will be retrofitted with permeable pavement, bioswales, and DG walking paths. Permeable pavement accounts for 25,000 sf of the existing 42,000 sf parking lot</i>
		Utilizes natural materials such as soils and vegetation with a preference for native vegetation = 5 points	5		
	Removes Impermeable Area from Project (1 point per 20% paved area removed) = 5 points	2			
D. Leveraging Funds and Community Support	The project achieves one or more of the following:				
		E1. Cost-Share. Additional Funding has been awarded for the project. - > 25% Funding Matched = 3 points - > 50% Funding Matched = 6 points	0%	0	<i>The RH/SGR Water Quality Group anticipates dedicating \$246,079 of funds to offset regional funds for feasibility studies and planning efforts towards this project.</i>
		E2. The project demonstrates strong local, community-based support and/or has been developed as part of a partnership with local NGOs/CBOs.	No	0	<i>During rEWMP development, the RH/SGR Group led numerous public engagement and outreach activities, including workshops with non-governmental organizations (specifically Amigos de los Rios, Los Angeles WaterKeeper, the Natural Resources Defense Council, and Nature for All) to discuss the details of this project. The outcomes included an approved rWMP recommending this project and new, open lines of communication with environmental and community advocates.</i>
Total			67		

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ENCANTO PARK STORMWATER CAPTURE PROJECT SUMMARY OF KEY BENEFITS



Multi-Benefit Project (flood, water supply, habitat, etc)

Directly benefits adjacent DAC areas

Project Cost is \$2.5 Million to design and implement

First strategic project for the agency partners for the RH SGR WMP

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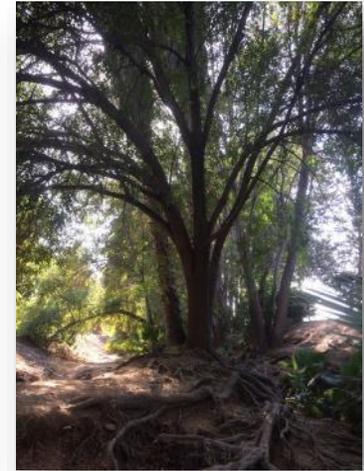
Questions?

Alex Tachiki, City of Monrovia on behalf of the Rio Hondo/San Gabriel River Water Quality Group

Oliver Galang, PE | Craftwater Engineering

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Wingate Park Regional EWMMP Project

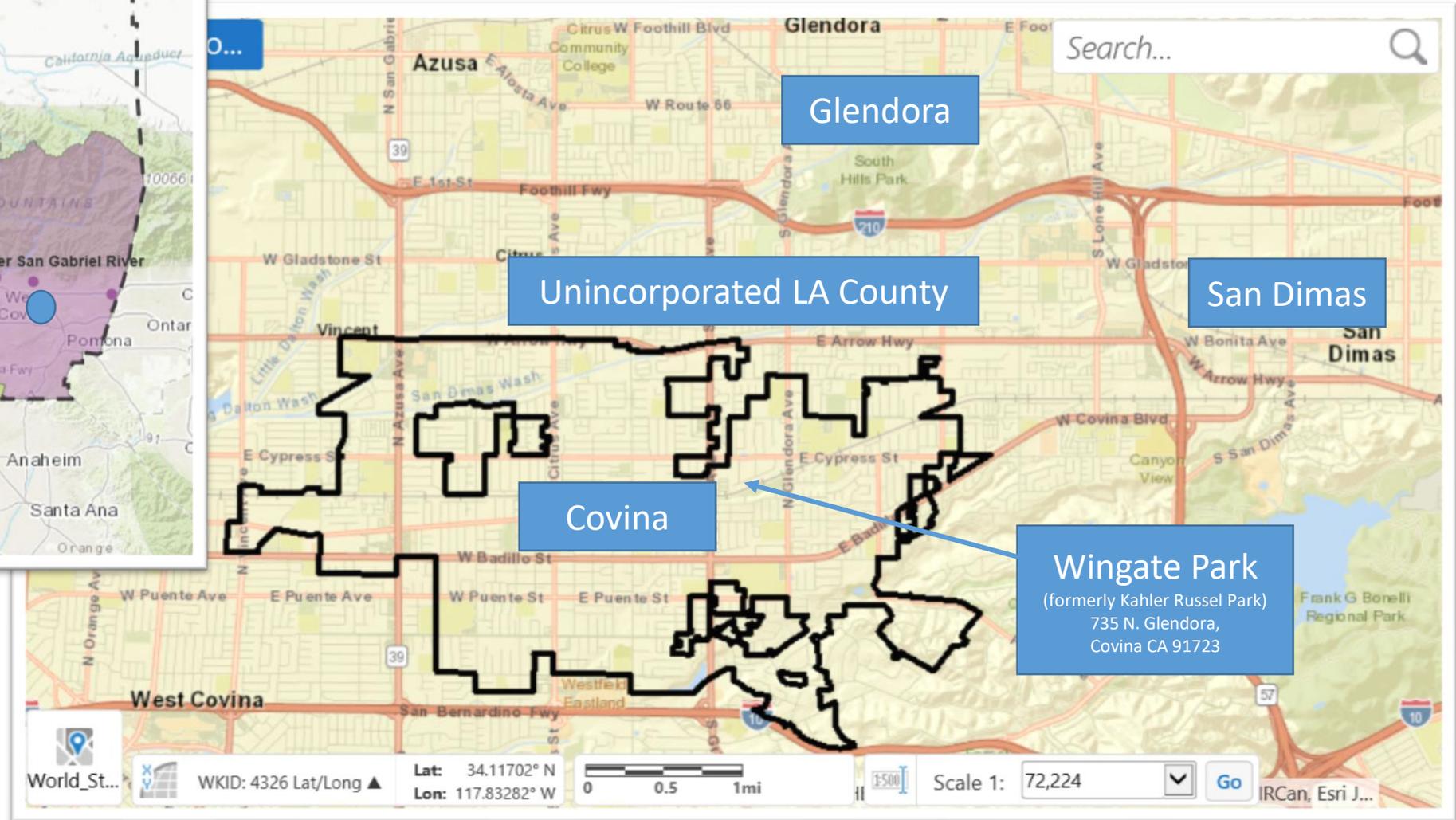
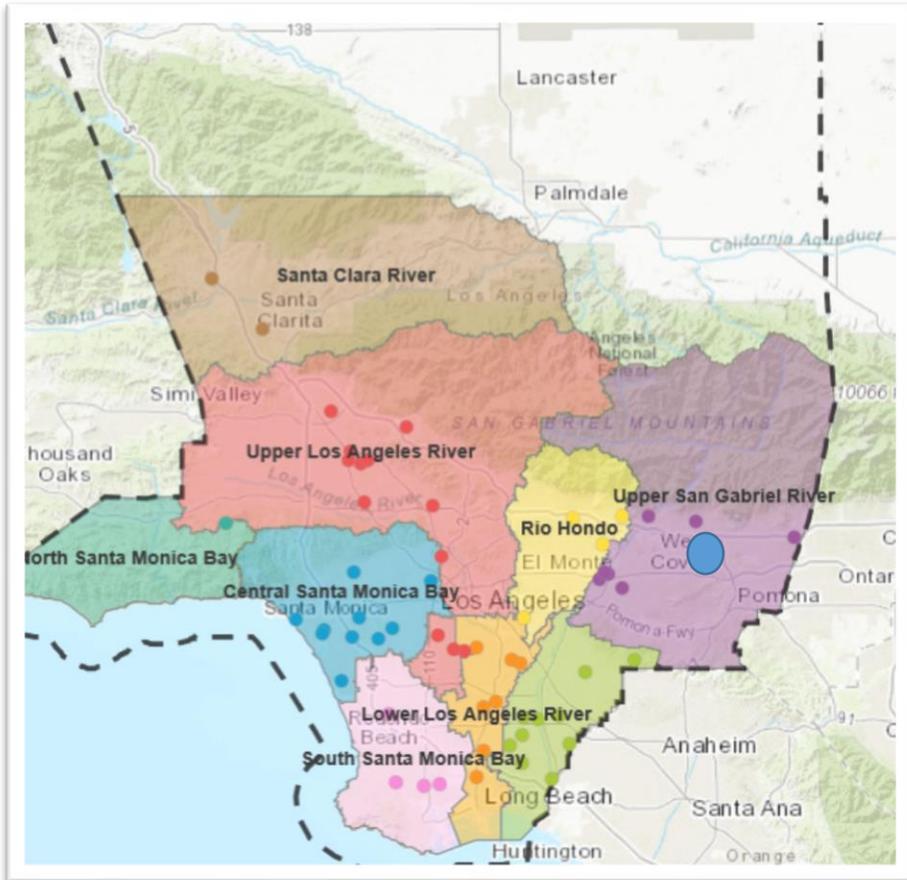


Upper San Gabriel River WASC, Safe Clean Water Program Information

DESCRIPTION	DATA/INFORMATION
PROJECT NAME	Wingate Park Regional EWMP Project
PROJECT LEAD	City of Covina
PRESENTERS	Sharon Gallant , Environmental Services Manager City of Covina
TOTAL FUNDING REQUEST	SCW FUNDING REQUEST: \$950,000 <ul style="list-style-type: none">• Planning/Permitting and Design: \$950K• Construction: \$25.1 Million



Location Map- Wingate Park



Glendora

Unincorporated LA County

San Dimas

Covina

Wingate Park
(formerly Kahler Russel Park)
735 N. Glendora,
Covina CA 91723

World_St...

WKID: 4326 Lat/Long ▲

Lat: 34.11702° N
Lon: 117.83282° W

0 0.5 1mi

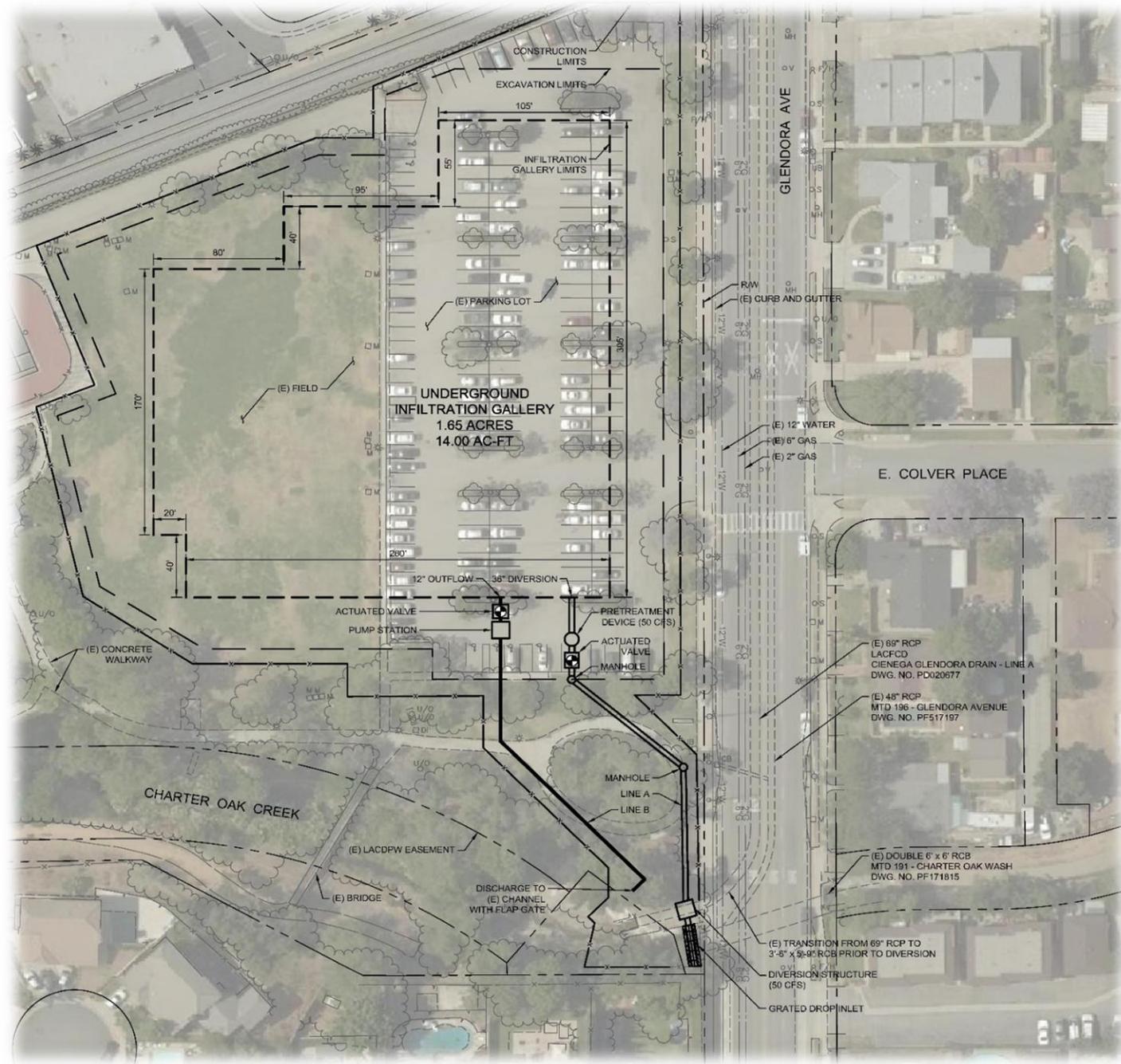
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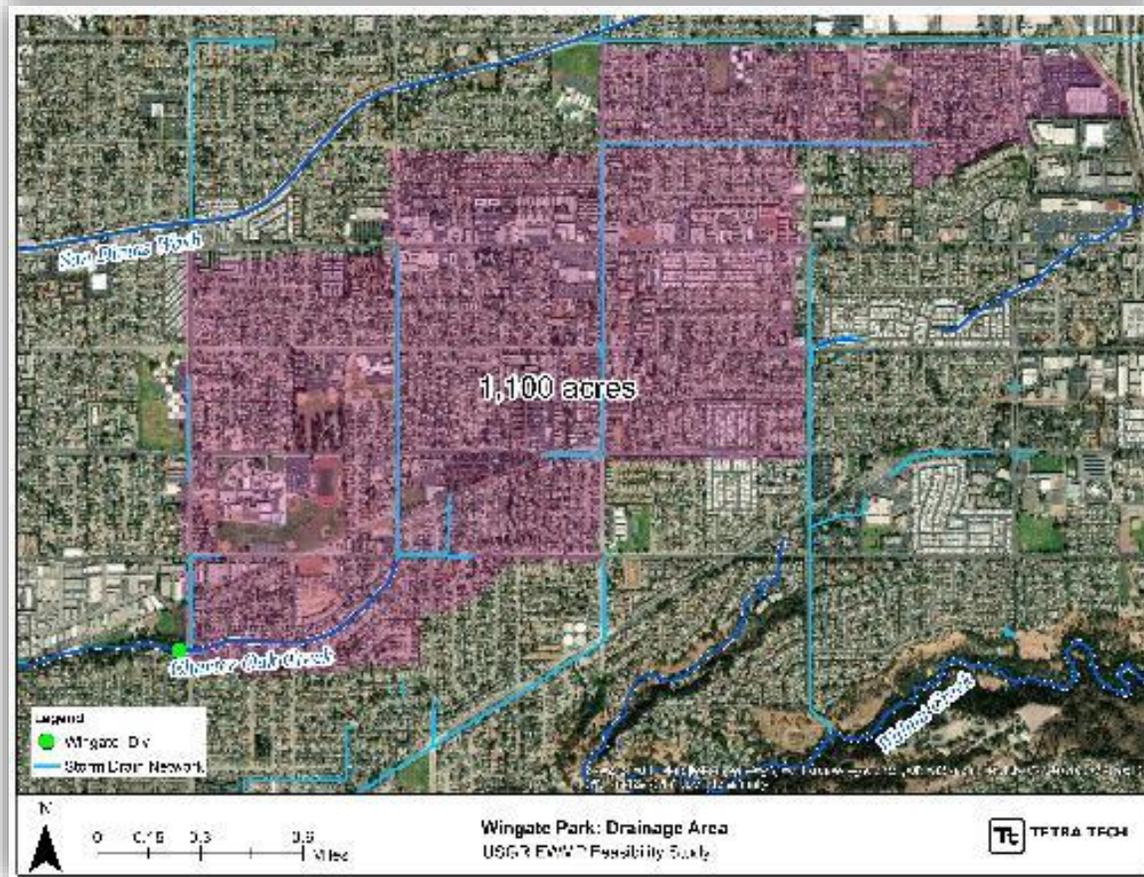
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Site Map— Wingate Park

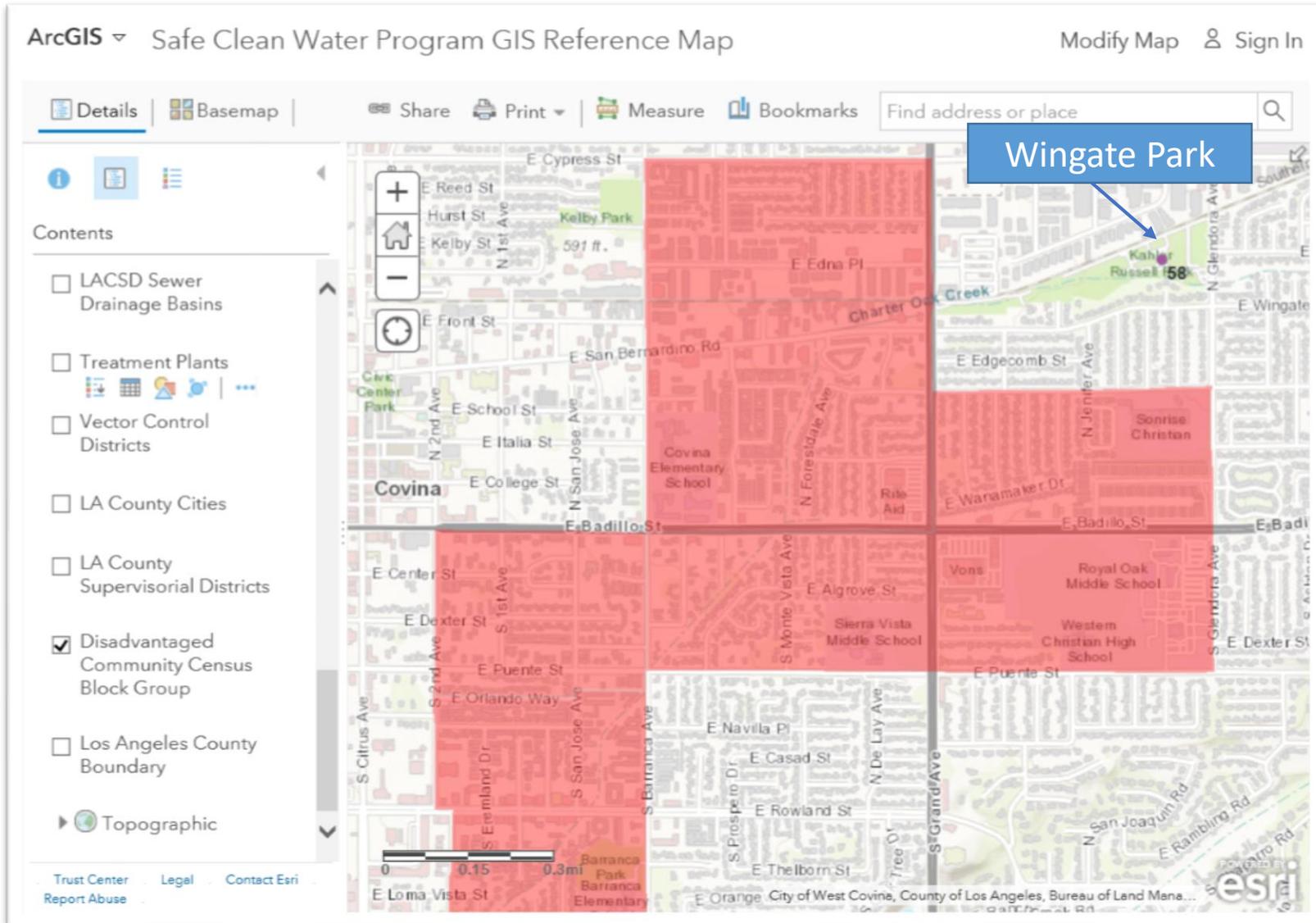


Watershed Overview - Wingate Park



- Drainage Area of 1,100 acres
- 14.45 acre city owned park
- Drainage area consists of Covina (35%), Unincorporated LA County (34%), Glendora (20%) and San Dimas (11%)
- Land Uses: SF Residential (46%), MF Residential (15%), Commercial (6%), Institutional (8%), Industrial (3%), and Roadways (23%)
- Charter Oak Wash runs through park; drains to Walnut Creek which is a tributary to the San Gabriel River
- Collaborative effort with USGR EWMF to implement this regional project to address water quality requirements

Benefits to Adjacent Disadvantage Community



- Flood risk mitigation
- Riparian habitat improvements
- **Connect Bike Routes**
- Park Improvements
- DG walking trail
- New soccer field
- Natural playground area
- Improved Water Quality/Water Recharge
- Energy efficient lighting
- CO2 Reduction



Permeable Parking Stall Pavers



Replace existing turf with drought-tolerant landscape



Ball Field Lighting Replacement



Precast Concrete Underground Infiltration Chambers



Solar Panels Over Parking Stalls



DG Walking Trail



Bioswale



Wooded Play Area



Interpretive Signage



Water Fountain



New Multi-Use Soccer Field

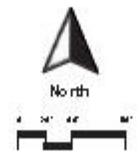


EV Parking (2) Stalls



Landscape Plant List

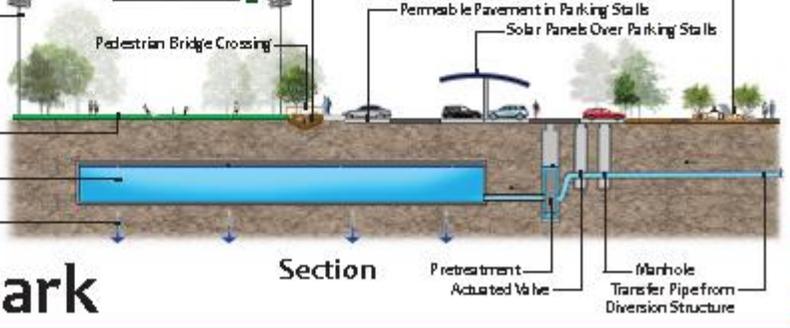
- Trees**
- Desert Willow (Malvaceae)
 - Coast Live Oak (Quercus agrifolia)
 - Trident Maple (Acer buergerianum)
 - Western Redbud (Cercocarpus)
- Shrubs, Perennials and Grasses**
- California Wild Rose (Rosa californica)
 - Yarrow (Achillea millefolium)
 - Dune Manzanita (Arctostaphylos)
 - Autumn Sage (Salvia greggii)
 - California Goldenrod (Solidago californica)
 - Small Cape Rush (Cyperus fasciculatus)
 - English Lavender (Lavandula angustifolia)
 - Sage (Salvia leucantha)
 - Manzanita (Arctostaphylos)
 - Deer Grass (Stipa leucostachya)



Wingate Park

Multi-Benefit Stormwater Capture Project Above Ground Improvements

October 31, 2018



Wingate Park Above Ground Improvements

Replace Parking Lot w/ Permeable Pavers



Replace turf with drought tolerant landscaping



Energy Efficient Lighting



Subsurface Infiltration Chamber



Fountains



New Soccer Field



EV Charging Stations



(E) Storm D

Wingate Park Above Ground Improvements



Solar Panels Over Parking Stalls



DG Walking Trails



Bioswales



Wooded Play Area



Interpretive Signs



Walking Trails connect by bridge to a Bike-Pedestrian Path and access to 2.85 acres of riparian habitat along Charter Oak Creek

Plant 26 Native Drought Tolerant Trees

Landscape Plant List

Trees

 Desert Willow (Quercus laevis)	 Coast Live Oak (Quercus agrifolia)
 Trident Maple (Acer buergerianum)	 Western Redbud (Cercocarpus betulifolia)

28.6 Tons of CO2 Avoided

Legend

-  Manhole Access Location
-  Ball Field Lighting Replacement
-  Interpretive Signage
-  Trail Mile Markers
-  Water Fountain for Human/Dogs
-  Diversion Structure
-  Grated Drop Inlet
-  DG Walking Trail
-  Construction Limits
-  Precast Chamber Limits
-  Excavation Limits
-  Inflow Pipe from Diversion Structure
-  Discharge Pipe to Charter Oak Wash

Shrubs, Perennials and Grasses

	California Wild Rose (Rosa californica)
	Yarrow (Achillea millefolium)
	Dune Manzanita (Arctostaphylos uva-ursi)
	Autumn Sage (Salvia greggii)
	California Goldenrod (Rodgersia californica)
	Small Cape Rush (Goralepis biflora)
	English Lavender (Lavandula angustifolia)
	Sage (Salvia texensis)
	Manzanita (Arctostaphylos)
	Deer Grass (Aristida purpurascens)

Replace Turf w/ Native Drought Tolerant Landscaping

Wingate Park Subsurface Structure

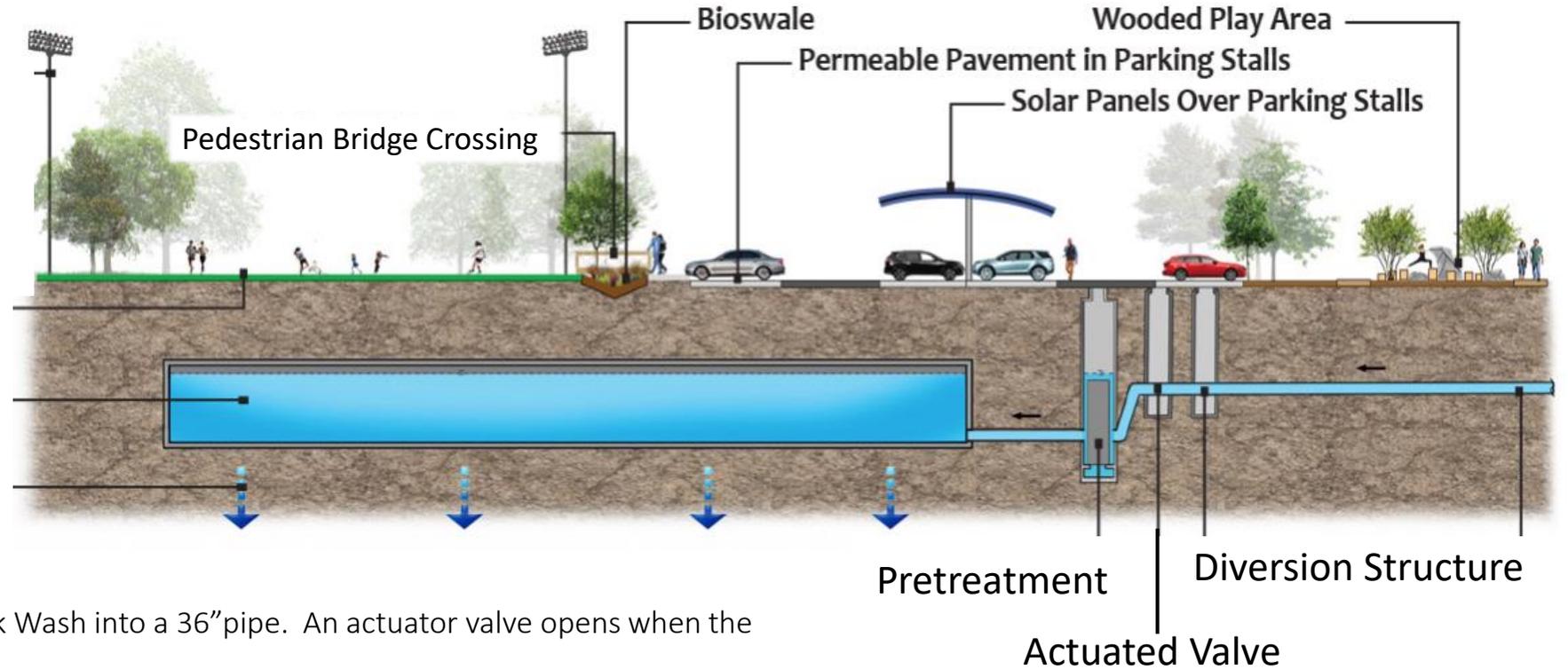
Water Supply

Water Quality

Multi-use/Soccer Field

Infiltration Chamber

Water Table Recharge



- Runoff diverted from Charter Oak Wash into a 36" pipe. An actuator valve opens when the optimal flow occurs (50 cfs)
- Stormwater will be treated by a pretreatment device to remove pollutants (metals, bacteria, sediment, trash, including AB 1249 contaminants)
- Gravity flows into an underground infiltration gallery (1.65 acres in size with a capacity of 14AF)
- Water Supply/Recharge benefit of 658 AF of water into aquifer
- If another storm is expected, telemetry will monitor water levels inside the precast gallery and an operator can remotely release water through an outlet pipe back into the Charter Oak Wash

Schedule and 5 Year Look Ahead

Task	Start	Finish
Phase 1. Feasibility Study & 30% Design	Summer 2017	Completed
Phase 2. Final Design & CEQA	July 2020	December 2020*
Phase 3. Permits & Approvals, Construction Drawings, Bid & Award	Fall 2020	Summer 2021
Phase 4. Construction	Summer 2021	Fall 2022*
Phase 5. O&M - Monitoring	December 2022	Ongoing

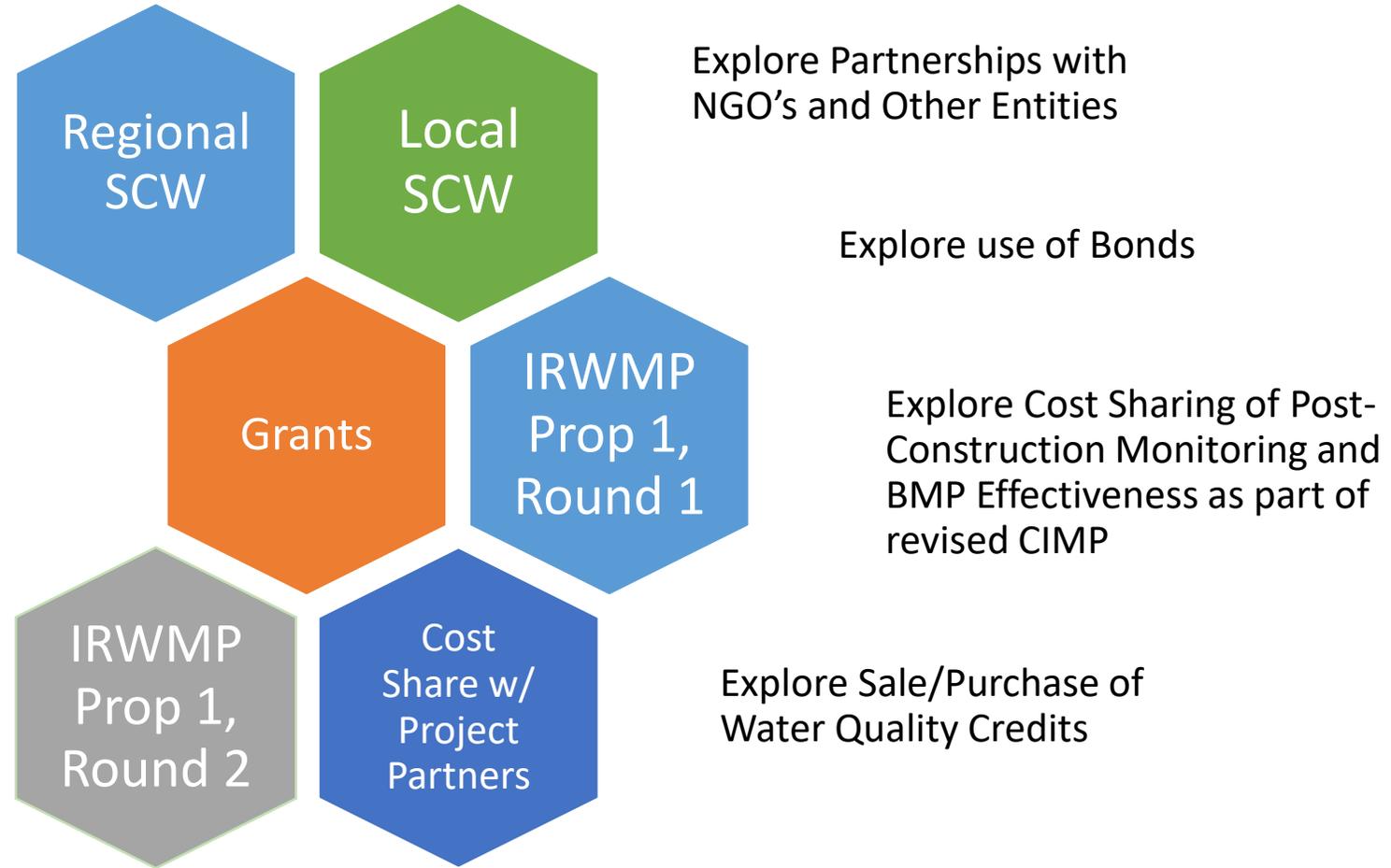
Year	Fiscal Year	SCW Regional Funds	SCW Municipal Funds	Description
1	FY 19-20	\$950,000	\$250,000*	Feasibility Study & 30% Design
2	FY 20-21	\$929,142	\$185,828	Planning & Design
3	FY 21-22	\$908,283	\$185,828	Planning & Design
4	FY 22-23	\$7,130,084	\$185,828	Construction
5	FY 23-24	\$7,130,084	\$185,828	Construction
6	FY 24-25	\$7,130,084	\$185,828	Construction

Total Project Costs: \$25,106,815

O&M and Monitoring \$69,400/year

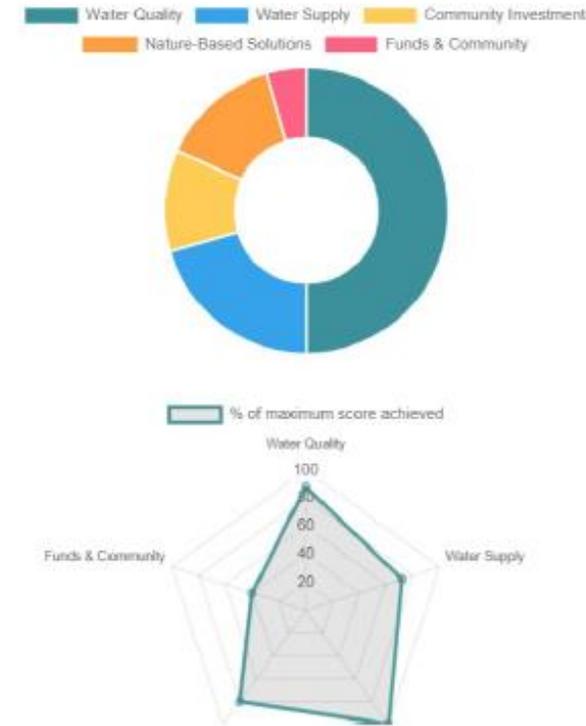
Leveraging Funds

We have and will continue to seek funding opportunities from the following to reduce Regional SCW Costs



Safe Clean Water Scoring

Scoring Section	Maximum Score	Preliminary Score	Scoring Committee
Water Quality	50	44	40
Water Supply	25	18	18
Community Investment Benefit	10	10	5
Nature-Based Solutions	15	12	12
Leveraging Funds	10	4	0
Total	110	88	75

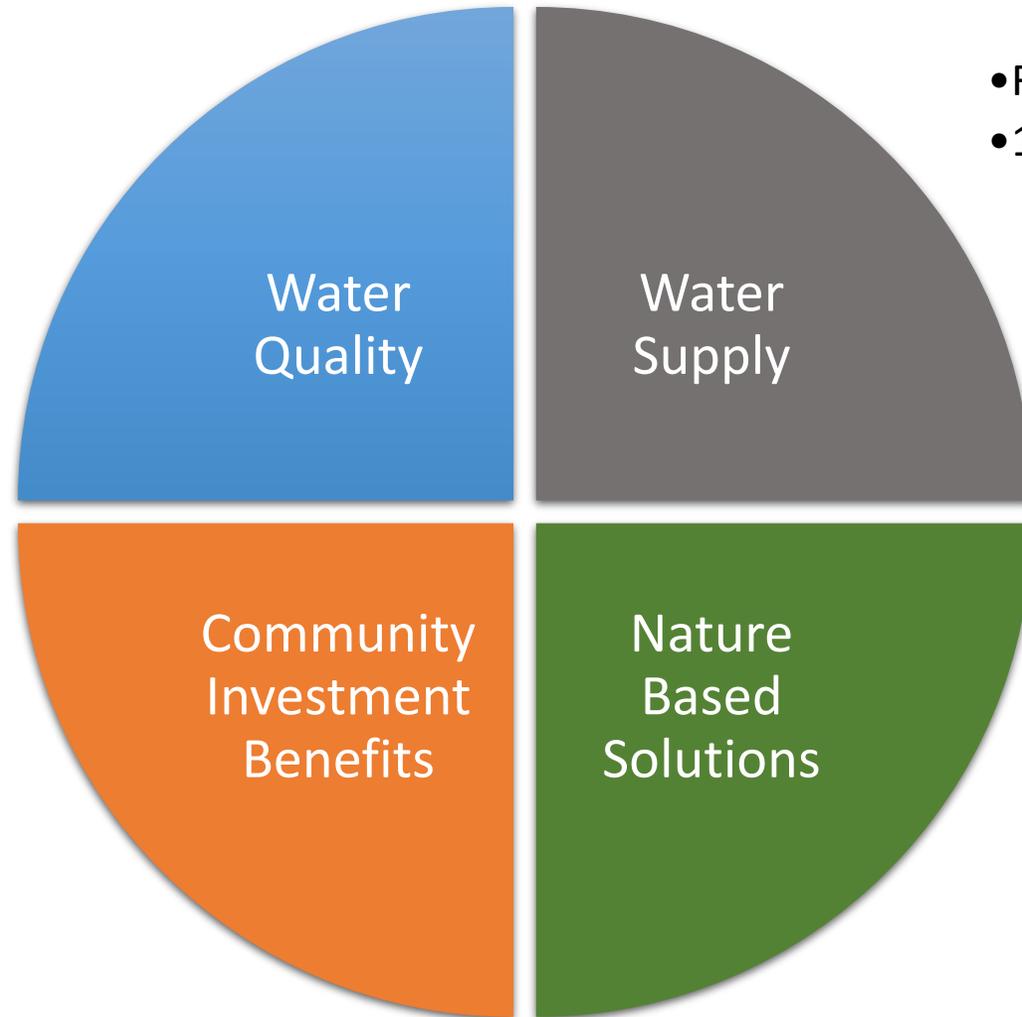


- Wet Weather Water Quality Benefits – Could consider adding 2.88 cfs filtration unit in Final Design
- Site constraints limited points for this metric despite its contribution to groundwater resources
- Community Investment Benefits lower than Scoring Committee
- Leveraging Funds – Assumes match (will use Municipal SCW Funds), but still seeking other Grants
- Community-Based Support – Letters of Support provided by participating agencies; Develop partnerships with NGO's/CBOs

Summary of Benefits

- Treatment of 90% Storm
- Reduce Pollutant Loads
- Pollutants of Concern – Zinc and Bacteria

- Enhancements to Community Park
- Native Plants
- CO2 Reduction
- Walking Trails
- Energy Efficient Lighting
- EV Charging Station
- Installation of Solar Panels
- Drinking Fountains
- Interpretive Signs



- Recharge 658 AF
- 14 AF of Storage Capacity

- 26 New Trees
- CO2 Reduction
- Drought Tolerant Native Landscaping
- Bioswales
- Impermeable Parking Lot replaced with Permeable Pavers
- Natural playground
- DG Trails to Charter Oak Wash

Wingate Park Regional EWMP Project



Questions?



Bassett High School
Stormwater Capture Multi-Benefit Project

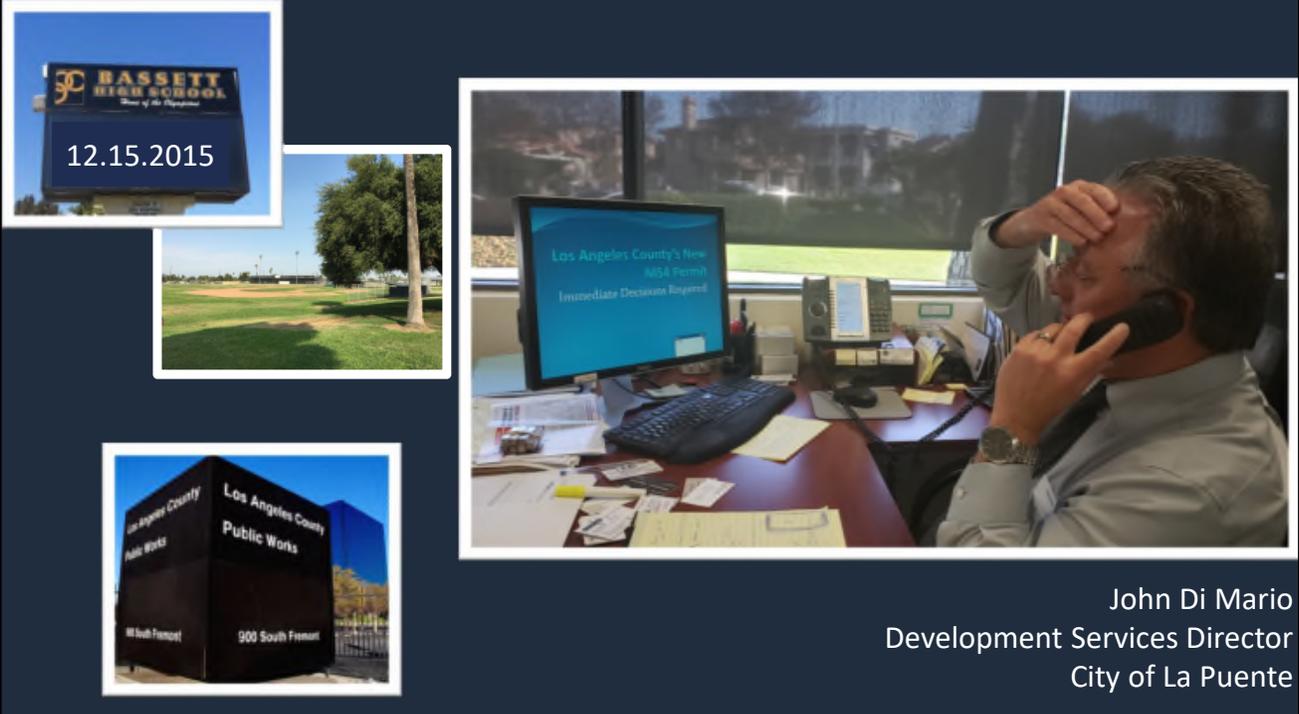
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ONCE UPON A TIME IN...

LA PUENTE

Directed by	<i>Los Angeles County</i>
Produced by	<i>Los Angeles County</i>
Written by	<i>Iwen Tseng</i>
Starring	<i>Bassett Unified School District Bassett High School John Di Mario</i>

2



12.15.2015

Los Angeles County's New
NSA Permit
Immediate Decision Request

Los Angeles County
Public Works
900 South Fremont

John Di Mario
Development Services Director
City of La Puente

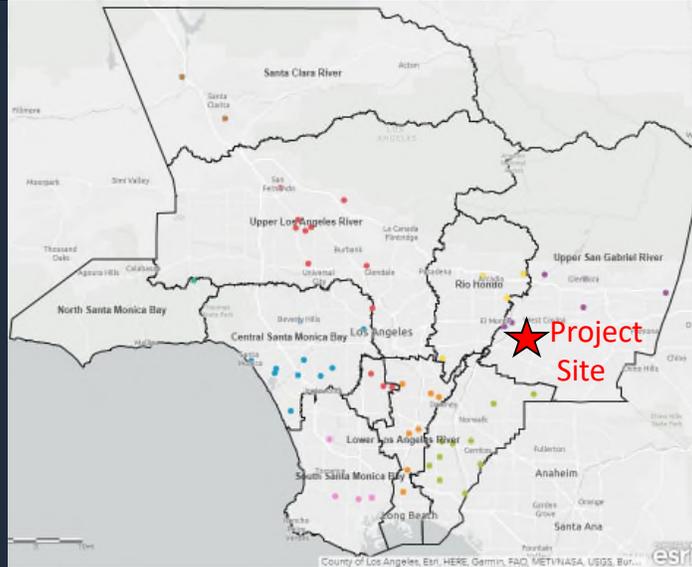
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Bassett High School Stormwater Capture Multi-Benefit Project



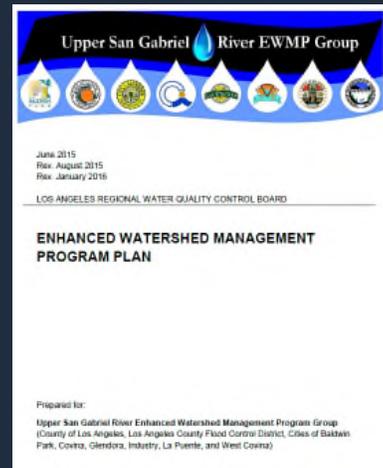
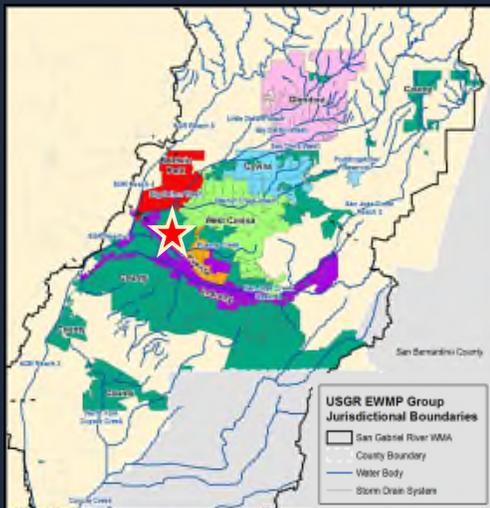
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Bassett High School Stormwater Capture Multi-Benefit Project



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Bassett High School Stormwater Capture Multi-Benefit Project



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Safe Clean Water Benefits



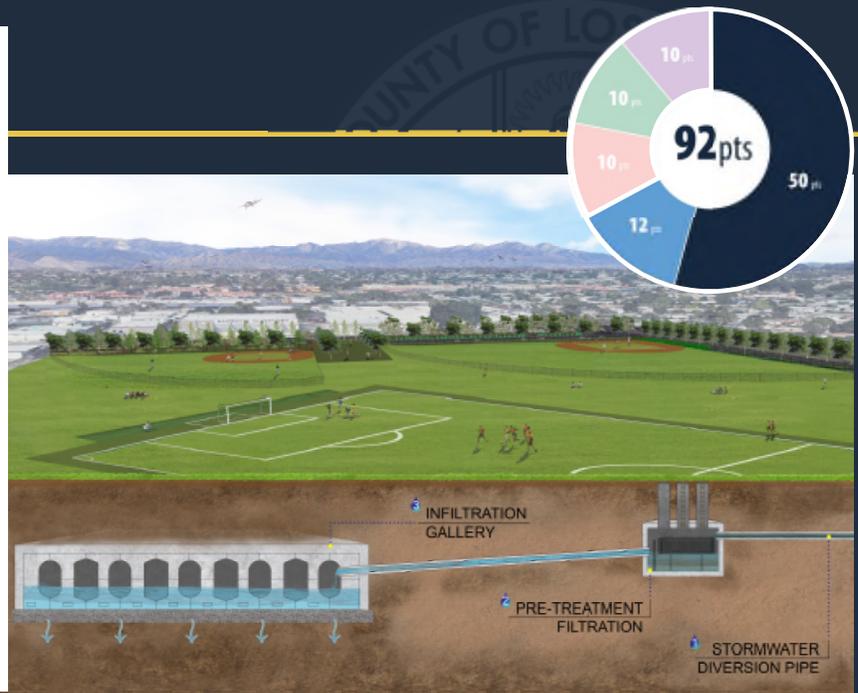
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Water Quality

- Remove more than 95% of zinc and copper
- **50 AF** of infiltration gallery

Water Supply

- Increase water supply to Main San Gabriel Basin
- **513 AF/ year**



8

Community Investment

- Enhance new recreational opportunities
- Create green space at school
- Plant 200+ trees

Nature Based Solutions

- Install bioswales
- Native and/or drought tolerant plants

Leveraging Funds & Local Support

- Project partnership
- Funding match
- Collaboration with Amigo de los Rios and Bassett USD



92pts



9

Bassett High School Stormwater Capture Multi-Benefit Project



Legend

- Project Limits
- Drainage Area

Drainage Area

1,146 Acres

Jurisdictions

- Baldwin Park
- Industry
- La Puente
- West Covina
- Unincorporated County

10



13



14

Park Entrance



15

Smart Gardening Learning Center



16

Picnic Area



17

Demonstration Garden



18



19



20

Project Cost, Schedule and Funding Request

Phase	Cost	Completion	SCW Request	FY
Design	\$ 3,000,000	Late 2020	\$12 M	2020-21
Construction	\$ 59,400,000	Dec 2022	\$10 M	2021-22
Total Project Cost Estimate	\$ 62,400,000		\$ 9.2 M	2022-23
			\$31.2 M	



21

Questions



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