Meeting Minutes:
Tuesday, January 30, 2020
1:00pm-3:00pm
Sanitation Districts of Los Angeles County
1955 Workman Mill Road, Whittier, CA 90601

Attendees:

Committee Members Present:
Julian Juarez (LA County Flood Control District)
Robert O. Tock* (Upper San Gabriel District)
Tony Zampiello* (Main San Gabriel Basin)
Kristen Ruffell (Sanitation Districts)
Bob Huff (Huff Strategies)
Debbie Enos (Watershed Conservation Authority)
Ed Reyes (Ed P. Reyes & Associates)
David Diaz (Active SGV)
John Beshay (Baldwin Park)

Kevin Kearny* (Bradbury)
Alison Sweet (Glendora)
Joshua Nelson (Industry)
Paul Alva (LA County)
Julie Carver (Pomona)
Lisa O’Brien (La Verne)
Mark Glassock* (Los Angeles County Parks and Recreation)

Committee Members Not Present:
Brian Urias (Former USGVMWD Board Member)

*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 January 13, 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 January 13, 2020 (unanimous).

3. Committee Member and District Updates

Mr. Kevin Kim (District) provided clarification on the Technical Resources Program, a summary of the new Ex Parte and COI Q&A guideline document, and a summary of the scoring progress so far by the Scoring Committee (SC).

The District clarified that the Technical Assistance Teams would be comprised of a group of subject matter experts provided by the District. It is estimated that approximately $300,000 is needed to complete a
4. Public Comment Period

No public comment

5. Discussion Items:

a. **IP: Pedley Spreading Grounds Project (East San Gabriel Valley Watershed Management Group)**

Presentation by Alexis Holmdal and Ed Othmer (Stantec). This project proposes to deepen existing basins at the Pedley Spreading Grounds in order to accommodate 1.3 acre-feet of stormwater from a 45.8-acre drainage area during the 85th percentile, 24-hour storm.

Mr. Diaz asked what motivated development of this project. Mr. Othmer stated that the project was developed to assist in achieving compliance with MS4 permits.

Ms. Enos noted potential for multi-use opportunities and community benefits beyond the tours that were discussed. Mr. Othmer noted that this will be addressed as part of the community outreach and coordination.

Mr. Glassock asked for clarification of DAC benefits. Mr. Othmer noted that the project is not directly located within a DAC, but would provide water supply benefits, regulatory relief for MS4 compliance, and education benefits to DACs.

Mr. O. Tock asked about the drainage area. Mr. Othmer noted that there was a conflict between available GIS data and as-builts that will be confirmed as part of the additional analysis for the project.

Ms. Ruffell asked if there are any other regional projects that may impact the proposed project. Mr. Othmer stated that regional projects were investigated as part of the process to identify priority projects. No other projects are planned within the area.

The committee discussed the possibility of phased funding. Mr. Othmer stated that they would be open to receiving initial funding for planning and design, then re-applying for construction at a later date.

b. **IP: Garvey Avenue Grade Separation Drainage Improvement Project (City of El Monte)**

Presentation by Ed Suher (CASC Engineering and Consulting). The project proposes a new storm drain and infiltration system (galleries beneath street) to alleviate local flooding. An additional design objective is to improve the water quality of the San Gabriel River by capturing pollutants from low flows and stormwater runoff from rain events.

The committee discussed opportunities for above-ground amenities, greening of the corridor, reducing island effects, etc. The applicant will consider these suggestions; however, opportunities are limited due to the physical constraints of the project area.
Ms. Ruffell asked if the project was included in the EMWP. Mr. Suher stated that the City has their own Watershed Management Plan and the intent is to be included in an EWMP once constructed.

Mr. Diaz asked about workforce development opportunities. Mr. Branden Yu (City of El Monte) noted that the City has a Public Labor Agreement in place to hire local workers.

Ms. Carver asked about the current pump station. Mr. Suher stated that the current pump station is no longer sufficient, likely due to increased flows and urbanization.

Mr. Juarez noted that the project is located near the San Gabriel River and Whittier Narrows Dam with high percolation rates. Therefore, the water supply benefits may be minimal, but he recognizes the water quality and localized flooding benefits.

c. TRP: MacLaren Hall Property Park and Sports Field Concept Project (City of El Monte)

Presentation by Ed Suher (CASC Engineering and Consulting). The project concept seeks to develop the MacLaren Hall Property (a former LA County Child Services Facility) into a park and sports fields complex. Water quality improvements could include diverting some of the off-site runoff from the nearby storm drain into the park for infiltration and landscaping improvements to beautify the park and sports field complex.

Ms. Ruffell asked about the infiltration rate at the project. Mr. Suher stated that infiltration data is limited, and estimates are based on data from adjacent areas.

The committee discussed outreach and engagement opportunities. It was noted that the location is a high-density urban area with a diverse community. The committee encouraged diversity of onsite uses to address gender and generational disparity and to investigate opportunities for porous pavers, walking trails, and water reuse.

d. TRP: Brackett Field Stormwater Infiltration Project (East San Gabriel Valley Watershed Management Group)

Presentation by Alexis Holmdal and Ed Othmer (Stantec). This project proposes to install an underground infiltration gallery within Brackett Field Municipal Airport in order to infiltrate 15.5 acre-feet of stormwater from a 321-acre drainage area during the 85th percentile, 24-hour storm.

Mr. Zampiello asked about potential environmental contamination. Mr. Othmer noted that a Phase 1 and 2 site assessment would be conducted as part of the additional analysis for the project.

Mr. Juarez clarified that the project would provide only localized flooding benefits and would not reduce regional flood risk.

Mr. Alva requested clarification on municipality benefits. Mr. Othmer stated that the city of La Verne would be the primary beneficiary. However, other cities, such as Pomona, Clairemont and San Dimas would also benefit from MS4 compliance.

Ms. Enos recommended the project investigate alternatives to improve cost-effectiveness.
e. TRP: Fairplex Regional Stormwater Project (East San Gabriel Valley Watershed Management Group)

Presentation by Alexis Holmdal and Ed Othmer (Stantec). This project proposes to install an underground infiltration gallery within the Fairplex’s Grandstand Field in order to infiltrate 31 acre-feet of stormwater from a 488-acre drainage area during the 85th percentile, 24-hour storm.

Mr. Glassock asked about recreational opportunities. Mr. Othmer clarified that the field would be replaced in kind. Mr. Glassock also asked about project delivery/staging considerations. Mr. Othmer clarified that the funding requests were staggered to align with the Safe, Clean Water Program’s anticipated available funding.

Ms. Enos recommended the project evaluate the Fairplex Master Plan and long-term plans for use of the facilities during development of the project.

Mr. Reyes asked about vector control issues. Mr. Othmer stated that the project was designed to draw down within 48 hours and the O&M would be planned to minimize vector concerns. The project is not currently considering providing additional vector control measures to minimize existing issues.

A member of the public noted that the committee should consider a holistic approach to evaluating DAC benefits and that a project’s claimed DAC benefits may not be in line with the intent of the program.

6. Voting Items

None.

7. Items for next agenda

The District recommends the following items for the next agenda:

- Presentations from Infrastructure Program Project applicants.

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

Mr. Alva noted that County Counsel may attend a future meeting to provide guidance on Ex Parte communication, if needed.

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

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

January 30, 2020
<table>
<thead>
<tr>
<th>Member Name</th>
<th>Municipality/Organization</th>
<th>Email Address</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed Reyes</td>
<td>Ed P. Reyes &amp; Associates</td>
<td><a href="mailto:ed.p.reyesla@gmail.com">ed.p.reyesla@gmail.com</a></td>
<td>P</td>
</tr>
<tr>
<td>David Diaz</td>
<td>Active SGV</td>
<td><a href="mailto:david@activesgv.org">david@activesgv.org</a></td>
<td>P</td>
</tr>
<tr>
<td>Wesley Reutimann</td>
<td>Active SGV</td>
<td><a href="mailto:wes@activesgv.org">wes@activesgv.org</a></td>
<td>A</td>
</tr>
<tr>
<td>John Beshay</td>
<td>Baldwin Park</td>
<td><a href="mailto:JBeshay@baldwinpark.com">JBeshay@baldwinpark.com</a></td>
<td>P</td>
</tr>
<tr>
<td>Romany Basilyous</td>
<td>West Covina</td>
<td><a href="mailto:RBasilyous@westcovina.org">RBasilyous@westcovina.org</a></td>
<td>A</td>
</tr>
<tr>
<td>Amanda Hamilton</td>
<td>Duarte</td>
<td><a href="mailto:ahamilton@accessduarte.com">ahamilton@accessduarte.com</a></td>
<td>P</td>
</tr>
<tr>
<td>Kevin Kearney</td>
<td>Bradbury</td>
<td><a href="mailto:kkearney@cityofbradbury.org">kkearney@cityofbradbury.org</a></td>
<td>A</td>
</tr>
<tr>
<td>Alison Sweet</td>
<td>Glendora</td>
<td><a href="mailto:asweet@cityofglendora.org">asweet@cityofglendora.org</a></td>
<td>P</td>
</tr>
<tr>
<td>Sharon Gallant</td>
<td>Covina</td>
<td><a href="mailto:SGallant@covinaca.gov">SGallant@covinaca.gov</a></td>
<td>A</td>
</tr>
<tr>
<td>Joshua Nelson</td>
<td>Industry</td>
<td><a href="mailto:JNelson@cityofindustry.org">JNelson@cityofindustry.org</a></td>
<td>P</td>
</tr>
<tr>
<td>John Di Mario</td>
<td>La Puente</td>
<td><a href="mailto:jdimario@lapuente.org">jdimario@lapuente.org</a></td>
<td>A</td>
</tr>
<tr>
<td>Paul Alva</td>
<td>Los Angeles County</td>
<td><a href="mailto:PALVA@dpw.lacounty.gov">PALVA@dpw.lacounty.gov</a></td>
<td>P</td>
</tr>
<tr>
<td>Mark Lombos</td>
<td>Los Angeles County</td>
<td><a href="mailto:MLOMBOS@dpw.lacounty.gov">MLOMBOS@dpw.lacounty.gov</a></td>
<td>A</td>
</tr>
<tr>
<td>Fernando Villaluna</td>
<td>Los Angeles County</td>
<td><a href="mailto:FVILLALUNA@dpw.lacounty.gov">FVILLALUNA@dpw.lacounty.gov</a></td>
<td>A</td>
</tr>
<tr>
<td>Julie Carver</td>
<td>Pomona</td>
<td><a href="mailto:Julie_Carver@ci.pomona.ca.us">Julie_Carver@ci.pomona.ca.us</a></td>
<td>P</td>
</tr>
<tr>
<td>Member Name</td>
<td>Municipality/Organization</td>
<td>Email Address</td>
<td>Signature</td>
</tr>
<tr>
<td>--------------</td>
<td>---------------------------</td>
<td>--------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>Fabian Aoun</td>
<td>Diamond Bar</td>
<td><a href="mailto:faoun@diamondbarca.gov">faoun@diamondbarca.gov</a></td>
<td>A</td>
</tr>
<tr>
<td>Lisa O'Brien</td>
<td>La Verne</td>
<td><a href="mailto:lobrien@cityoflavene.org">lobrien@cityoflavene.org</a></td>
<td>P</td>
</tr>
<tr>
<td>Shari Garwick</td>
<td>San Dimas</td>
<td><a href="mailto:SGarwick@sandimasca.gov">SGarwick@sandimasca.gov</a></td>
<td>A</td>
</tr>
<tr>
<td>David Lopez</td>
<td>City of Baldwin Park</td>
<td><a href="mailto:dlopez@balldinpark.c">dlopez@balldinpark.c</a></td>
<td></td>
</tr>
<tr>
<td>John Hunter</td>
<td>JLHA</td>
<td>J Hunter @JLHA.net</td>
<td></td>
</tr>
<tr>
<td>First Name</td>
<td>Last Name</td>
<td>Municipality/Organization</td>
<td>Email Address</td>
</tr>
<tr>
<td>------------</td>
<td>-----------</td>
<td>---------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>Hans</td>
<td>Treneel</td>
<td>Weston Solutions</td>
<td><a href="mailto:hans.treneel@westasolutions.com">hans.treneel@westasolutions.com</a></td>
</tr>
<tr>
<td>ED SUHER</td>
<td>SUHER</td>
<td>EL MONTE/CASC</td>
<td></td>
</tr>
<tr>
<td>James</td>
<td>Cramsie</td>
<td>CINCINNATI/CINC</td>
<td><a href="mailto:jcramsie@cinc-eng.com">jcramsie@cinc-eng.com</a></td>
</tr>
<tr>
<td>Joshua</td>
<td>Felton</td>
<td>LACPW</td>
<td></td>
</tr>
<tr>
<td>Veronica</td>
<td>Seyle</td>
<td>WSP</td>
<td><a href="mailto:veronica.seyle@wsp.com">veronica.seyle@wsp.com</a></td>
</tr>
<tr>
<td>Tori</td>
<td>Klug</td>
<td>Stanter</td>
<td><a href="mailto:tori.klug@stanter.com">tori.klug@stanter.com</a></td>
</tr>
<tr>
<td>Paul</td>
<td>Alvia</td>
<td>LA County</td>
<td>Paul.Alvia.Lacony.gov</td>
</tr>
<tr>
<td>Ivan</td>
<td>Tsevy</td>
<td>LA County</td>
<td></td>
</tr>
<tr>
<td>Lauren</td>
<td>Marshall</td>
<td>City of San Dimas</td>
<td><a href="mailto:marshall@co.sandiego.ca">marshall@co.sandiego.ca</a></td>
</tr>
<tr>
<td>Dan &amp; Yvonne Livesey</td>
<td></td>
<td>JEC</td>
<td><a href="mailto:ylivesey@inlandengineering.com">ylivesey@inlandengineering.com</a></td>
</tr>
<tr>
<td>Michael</td>
<td>Lewis</td>
<td>CICWG</td>
<td><a href="mailto:mike@lewisandco.net">mike@lewisandco.net</a></td>
</tr>
</tbody>
</table>

*Signing or completing this form is voluntary for members of the public*
<table>
<thead>
<tr>
<th>First Name</th>
<th>Last Name</th>
<th>Municipality/Organization</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blake</td>
<td>Whittington</td>
<td>Self</td>
<td></td>
</tr>
<tr>
<td>Braden</td>
<td>Yu</td>
<td>City of El Monte</td>
<td></td>
</tr>
<tr>
<td>Ryan</td>
<td>Reams</td>
<td>CWE</td>
<td>P KEARNS @CWECORP.COM</td>
</tr>
<tr>
<td>Connie</td>
<td>Mansfield</td>
<td>El Monte</td>
<td><a href="mailto:EMANSFIELD@CWSI.COM">EMANSFIELD@CWSI.COM</a></td>
</tr>
<tr>
<td>Elizabeth</td>
<td>Ruedas</td>
<td>Baker International</td>
<td><a href="mailto:ELMAN@BAKERINTERNATIONAL.COM">ELMAN@BAKERINTERNATIONAL.COM</a></td>
</tr>
</tbody>
</table>

*Signing or completing this form is voluntary for members of the public*
Pedley Spreading Grounds Project
Total Funding Requested: $2,825,900

Ed Othmer PE, CPESC, CPSWQ, QSP/D ToR, QISPToR, ENV SP, PMP, & Alexis Holmdal PE, PMP, ENV SP (Stantec), representing the East San Gabriel Valley Watershed Management Group in partnership with Six Basins Watermaster
Agenda

• Site Selection Process
• Project Location
• Project Details
• Summary of Benefits
Site Selection Process

Identify Site Preferences

Topographic Base Map
Slope
Hydrologic Soil Groups

**Stormwater Capture Suitability Map**
Land Use (City, School District, Private Ownership, etc.)
Jurisdictional Boundaries (Six Basins Watermaster, Chino Basin Water Conservation District, Cities, Los Angeles County, Los Angeles County Fair Association, Cal Poly Pomona, Pomona Valley Protective Associate (PVPA), and Rancho Santa Ana Botanical Garden)

**Prospective Stormwater Capture Area Map**
Storm Drain System Maps (Opportunities)
Recycled Water System Map (Opportunities)
Water Supply Wells (Constraints)

**Site Preference**
Most Favorable Sites

Table 3

<table>
<thead>
<tr>
<th>Site</th>
<th>Storm Drain System &lt; 200 ft from Site</th>
<th>Recycled Water System &lt; 1,200 ft from Site</th>
<th>Storm Drain System 200 - 500 ft from Site</th>
<th>Recycled Water System 1,200 - 3,200 ft from Site</th>
<th>Storm Drain System &gt; 500 ft from Site</th>
<th>Recycled Water System &gt; 3,200 ft from Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly Probable Sites (City-owned Parcels)</td>
<td>1A - Most Favorable</td>
<td>1C - Highly Favorable</td>
<td>1D - Highly Favorable</td>
<td>1F - Favorable</td>
<td>1E - Favorable</td>
<td>1G - Favorable</td>
</tr>
<tr>
<td>Moderately Probable Sites (Other Agency Parcels)</td>
<td>2A - Favorable</td>
<td>2C - Moderately Favorable</td>
<td>2D - Moderately Favorable</td>
<td>2F - Less Favorable</td>
<td>2E - Less Favorable</td>
<td>2G - Less Favorable</td>
</tr>
<tr>
<td>Marginally Probable Sites (City-owned Parcels)</td>
<td>3A - Favorable</td>
<td>3C - Moderately Favorable</td>
<td>3D - Moderately Favorable</td>
<td>3F - Less Favorable</td>
<td>3E - Less Favorable</td>
<td>3G - Less Favorable</td>
</tr>
<tr>
<td>Less Probable Sites (Other Agency Parcels)</td>
<td>4A - Favorable</td>
<td>4C - Moderately Favorable</td>
<td>4D - Moderately Favorable</td>
<td>4F - Less Favorable</td>
<td>4E - Less Favorable</td>
<td>4G - Less Favorable</td>
</tr>
<tr>
<td>Unlikely Site</td>
<td>Unfavorable</td>
<td>Unfavorable</td>
<td>Unfavorable</td>
<td>Unfavorable</td>
<td>Unfavorable</td>
<td>Unfavorable</td>
</tr>
</tbody>
</table>

Legend
- ESGV Management Area
- City Boundary
- Watershed Management Area
- A Rainwater Watermaster

Site Selection
Site Location

Project Location

N Mills Ave
SR-210 Foothill Fwy
Chaparral Elementary School
Pedley Spreading Grounds
Existing Surface Water Supply
Municipal Benefits

- Improved water quality – comply with MS4 permit
- Ground water recharge
- Water supply reliability
- Emulation of hydrologic processes
- Flood risk management
- Educational benefits – tours of facility (e.g., Chaparral Elementary School)
- Collaboration with key stakeholders: Cities of San Dimas, Claremont, Pomona, La Verne, and Upland, Golden State Water Company, San Antonio Water Company, Three Valleys Municipal Water District, Pomona College, Pomona Valley Protective Association (PVPA), and Industrial Environment Association (IEA)
**Benefits to Disadvantaged Communities**

- Increased local water supply reliability
- Reduced risk of regulatory burden on general funds and resulting reduction of municipal and county services
- Provide educational benefits within Six Basins (e.g., facility tours)
Proposed Drainage Area

Proposed Drainage Area = 45.8 ac
85th Percentile, 24-Hour Storm Hydrograph

Total Inflow Volume: 1.3 ac-ft
Conceptual Profile
GIS/As-Built Differences

- Existing 42" pipe per as-builts
- Existing 30" pipe per as-builts
- Existing junction manhole per as-builts
Confirmation of Drainage Area

Proposed Drainage Area = 45.8 ac

Drainage Area = 441.1 ac
85th Percentile, 24-Hour Storm Blended Hydrograph

Hydrograph (Six Basins Watermaster Feasibility Study: Pedley)

Total Inflow Volume: 10.78 ac-ft
Project Schedule & Expenditure Projections

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>General Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>May 2021 – May 2022</td>
</tr>
<tr>
<td>Permitting</td>
<td>June 2022 – December 2022</td>
</tr>
<tr>
<td>Construction</td>
<td>January 2023 – January 2025</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Description of Expenditure</th>
<th>Funding Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 2020 – June 2021</td>
<td>Preparation of Grant Applications, Design and Planning</td>
<td>$102,760</td>
</tr>
<tr>
<td>July 2021 – June 2022</td>
<td>Design and Planning, Obtaining Permits</td>
<td>$154,140</td>
</tr>
<tr>
<td>July 2022 – June 2023</td>
<td>Obtaining Permits, Construction</td>
<td>$1,330,180</td>
</tr>
<tr>
<td>July 2023 – June 2024</td>
<td>Construction</td>
<td>$1,212,120</td>
</tr>
<tr>
<td>July 2024 – June 2025</td>
<td>Construction, Inspection</td>
<td>$26,700</td>
</tr>
<tr>
<td></td>
<td>Total Funding Requested</td>
<td>$2,825,900</td>
</tr>
</tbody>
</table>
Water Quality & Water Supply

- 24-hour BMP Capacity: 41.76 ac-ft (additional capacity for water supply)
- Annual Average Capture: 23.75 ac-ft (based on 1.3 ac-ft inflow volume from the 85th percentile, 24-hour storm event)
Pollutant Removal

• 100% Pollutant Removal
  • Total Zinc: 10.2 lbs
  • Total Copper: 3.2 lbs
  • Total Lead: 1.6 lbs
  • Total Nitrogen: 268.8 lbs
  • Total Phosphorus: 32.8 lbs
Community Investment Benefits

Stormwater diversion from the drainage system mitigates flood risk to surrounding neighborhood and park.

Decreases impact of non-point source pollutants, thereby enhancing habitats.
Nature-Based Solutions

Promotes infiltration of stormwater through natural soils of spreading ground, thereby increasing the yield of groundwater aquifers and decreasing the impact of non-point source pollutants.
Community Support

Ms. Julie Carver  
Environmental Programs Supervisor  
148 N. Huntington St.  
Pomona, CA 91768

Subject: Support for East San Gabriel Stormwater Projects

Dear Ms. Carver,

I am contacting you on behalf of the Industrial Environmental Association (IEA) to voice our support for the East San Gabriel Valley Watershed Management Group’s (Group) regional stormwater projects. Toward that end, IEA fully supports the Group’s application for Safe Clean Water Program funding because we believe that the projects will improve water quality and water supply in the watershed.

The Industrial Environmental Association is an NGO founded in 1983 that represents manufacturing related companies in the southern California region. Reliable water quality and water supply is essential to our members to support manufacturing processes. And while our member companies have worked diligently to reduce their own process water consumption, the Group’s efforts are essential to help insure there is ample water for future residents and businesses in the area.

Thank you for this opportunity for IEA to support the Group’s efforts and its application for funding.

Best regards,

Jack Monger

Jack Monger
Q and A

Ed Othmer, PE CPESC, CPSWQ, QSP/D ToR, QISP ToR, ENV SP, PMP
North America Wet Weather Sector Leader
Tel: +1 858 751 1219
Cell: +1 619 279 3682
Ed.Othmer@stantec.com

Alexis Holmdal, PE, PMP, ENV SP
Civil Engineer
Tel: +1 617 314 7117
Alexis.Holmdal@stantec.com
Garvey Avenue Grade Separation Drainage Improvement Project
January 30, 2020 for the Watershed Area Steering Committee – Upper San Gabriel River

Project Applicant:  
City of El Monte

Presenter:  
Ed Suher, CASC Engineering and Consulting

Total Funding Requested:  
$4,000,000.00
Project Location & Overview

- Upper San Gabriel River Watershed Area, City of El Monte
  - Watershed Management Program
- Yearly increases in flooding to underpass requires a new storm drain and infiltration system
- Reduce demand for emergency services and prevent traffic hazards
- Create safer driving conditions and ensure a navigable road
- Less standing water

Garvey Avenue Drainage Separation Improvement Project
Design Objectives

- Four proposed catch basins on Maxson Place will capture flows
  - Caltrans’ roadway runoff
  - Triple 24-inch culvert
  - Nearby mobile home park and commercial lots
- Two new catch basins on Garvey Ave will capture flows east of Maxson Place
  - Commercial properties
- Two underground infiltration galleries
  - Capture 6.65 acre-feet of stormwater (module generated)
  - Pre-treatment sedimentation unit
- Overflow storm drain and discharge line
Project Details

• Conducted:
  • Draft Initial Study / Mitigated Negative Declaration
  • Environmental Assessment
  • Geotechnical Engineering Report
  • Hydrology and Hydraulics Analysis
  • Preliminary Design Report

• Project is ready to move forward pending:
  • Funding for final planning
  • Funding for final civil engineering
  • Funding for construction
## Project Details

<table>
<thead>
<tr>
<th>Schedule</th>
<th>Year Completed</th>
<th>Expenditure Projections (estimated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Funding awarded</td>
<td>Spring 2020</td>
<td>-</td>
</tr>
<tr>
<td>Right-of-Way Acquisition</td>
<td>Spring 2020</td>
<td>$27,874.00</td>
</tr>
<tr>
<td>Develop O&amp;M Plan</td>
<td>Spring 2020</td>
<td>$7,684.00</td>
</tr>
<tr>
<td>Contract award for construction</td>
<td>Spring 2020</td>
<td>-</td>
</tr>
<tr>
<td>Conditions of Approval Fees and Issuance of Permits</td>
<td>Summer 2020</td>
<td>$44,102.00</td>
</tr>
<tr>
<td>Construction</td>
<td>Fall 2020</td>
<td>$3,900,000.00</td>
</tr>
<tr>
<td>Progress Meetings, Field Visits, Utilities Coordination</td>
<td>Fall 2021</td>
<td>$10,340.00</td>
</tr>
<tr>
<td>Additional Planning Overhead</td>
<td>Fall 2021</td>
<td>$10,000.00</td>
</tr>
<tr>
<td>Build-out Complete</td>
<td>Fall 2021</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>$4,000,000</strong></td>
</tr>
<tr>
<td>Ongoing operations &amp; maintenance, inspection, effectiveness monitoring</td>
<td>2021 - 2025</td>
<td><strong>$17,000</strong></td>
</tr>
</tbody>
</table>
How the Score Was Achieved

- Project design based on a 50-year, 24-hour storm event and will capture and infiltrate the 85th percentile storm event
- Infiltration galleries will have storage capacity of 6.65 acre-feet
  - Recharge groundwater aquifer at an effective draw down rate of 3 in/hr
- Drainage area that contributes runoff to the underpass is 47 acres of urbanized area and impervious area is expected to increase with development
  - Annual average inflow to project: 461 acre-feet (module generated)
  - Annual average capture for water supply: 458 acre-feet (module generated)
- 85 - 99.6% load reduction in major pollutants, including bacteria
- Cost-effectiveness for water supply benefit is $409/acre-foot (module generated)
How the Score Was Achieved (cont.)

• Improvements to stormwater management, flood water conveyance, and flood risk mitigation
  • Mitigate damages to infrastructure and maintenance costs
• Long-term benefits for disadvantaged community
• Water quality enhancements from infiltration design
• City is pursuing all available sources of funding
• Local support from business owners, local residents, and the City of El Monte
Conclusion / Summary of Benefits

• Project proposes a new storm drain and infiltration system to alleviate flooding at this location
• Improvements will meet 50-year storm design standards
• Benefits to water quality and water supply
  • Reduction in pollutants discharged to Receiving Waters
  • Recharge water supply
• Reduces flood hazards and enhances community safety
• Immediate need to address the flooding at this location
MacLaren Hall Property Park and Sports Fields Project - concept

January 30, 2020, for the Watershed Area Steering Committee – Upper San Gabriel River

**Project Applicant:**
City of El Monte

**Additional Project Collaborator:**
County of Los Angeles

**Presenter:**
Ed Suher, CASC Engineering and Consulting

**Total Funding Requested:**
~ $300,000.00 (in the form of Technical Resources Assistance)
Project Location

- MacLaren Hall is a former Los Angeles County child services facility
- Most of the property is currently vacant and not publicly accessible
- The City and County are working on a project to repurpose a portion of the property into a public park and sports fields complex including soccer fields, baseball/softball, and basketball courts
- Upper San Gabriel River Watershed Area, County-owned property in the City of El Monte
- Project will provide water quality improvements, water conservation, facility upgrades, and education and outreach signage
Project Concept

* DRAFT *

MacLaren Hall
Proposed Park & Sports Fields - Concept
Disadvantaged Community Benefits

- Recharge water supply (Main San Gabriel River Basin)
- Project will serve a park-poor disadvantaged community
  - The City of El Monte has only 0.4 park acres per 1,000 residents (compared to the Countywide average of 3.3)
- Reduce heat island effect
- Enhance greenspace and recreational opportunities for local families and the community
- Infiltration galleries will gradually filter stormwater into the aquifer
  - Reduce pollutants that could be discharged to receiving waters
  - Flood risk mitigation
- Greening and beautification of area
# Project Details

<table>
<thead>
<tr>
<th>Key Milestones</th>
<th>Target Timelines</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feasibility, design, and technical studies by Technical Resources Team</td>
<td>Summer 2020</td>
</tr>
<tr>
<td>Additional community engagement and CEQA analysis</td>
<td>Ongoing through 2020</td>
</tr>
<tr>
<td>Application submitted for construction funding (SCW FY 22-23 Infrastructure Program)</td>
<td>Summer/Fall 2021</td>
</tr>
<tr>
<td>Construction funding awarded</td>
<td>Summer 2022</td>
</tr>
</tbody>
</table>
How Score Was Achieved
Water Quality and Supply Benefits

• Storm drain (gravity main) diversion to infiltration galleries under sports field
• Project will divert off-site stormwater runoff from catchment area into large infiltration galleries under soccer field
  • Infiltration Footprint: 1.6 acres
  • Ponding Depth: 9 feet
  • Storage Volume: 15.6 acre-feet
• Project is adjacent to BI 3350 – Line G off of the Cogwell Road Drain
  • Good location to infiltrate runoff captured in network
• Large 24-hr capacity (estimated 15.68 ac-ft) for the approximate drainage area of 280 acres
• 99% of estimated outflow from galleries treated by filtration results in pollutant reduction
• Similar to Franklin D. Roosevelt Park Regional Stormwater Capture Project (LACDPW Project)
  • Infiltration galleries underneath sports field
  • Diverts dry and wet-weather flows from a drainage system
How Score Was Achieved

Community Investment and Local Support

- Many community investment benefits such as flood risk mitigation, enhancing recreational opportunities, and creating or enhancing green-space

- Strong local support from the County of Los Angeles, City of El Monte, CicLAvia, Active SGV (community-health organization)

- Conducted community outreach meetings in English, Spanish, Chinese, and Vietnamese

- Support from local schools:
  - El Monte Union High School
  - Twin Lakes Elementary School
  - El Monte City High School
  - Mountain View High School
How Score Was Achieved

*Nature Based Solutions and Funding*

- Project will support the water cycle
- Infiltration draw-down rate and medium mimics natural processes to enhance usable green-space and open-space
- Project utilizes landscaping and turf above infiltration galleries on sports field
- City and County are evaluating all potential sources of funding and options
Conclusion

• Numerous benefits to a disadvantaged community
• Project has strong local and public support to be carried through to completion
• Great opportunity to enhance and create a public recreational space in a park-poor community
• Similar to other effective infiltration projects
• Excellent location for a water quality improvement project
• Water quality and supply benefits to the San Gabriel River Watershed
Brackett Field Stormwater Infiltration Project (Technical Resources)

Ed Othmer PE, CPESC, CPSWQ, QSP/D ToR, QISPToR, ENV SP, PMP, & Alexis Holmdal PE, PMP, ENV SP (Stantec), representing the East San Gabriel Valley Watershed Management Group in partnership with Six Basins Watermaster
Agenda

• Project Location
• Project Details
• Summary of Benefits
Purpose

- Collaboration and partnership with LA County is **essential** to achieving MS4 permit compliance
- Prospective stormwater capture sites identified on LA County properties would help **meet Nutrient TMDLs** at Puddingstone Reservoir
- Recharge of recycled water will **augment groundwater supply**
- LA County-owned sites have been identified as prospective stormwater capture sites, providing **multiple benefits** to all parties
Watershed

Project Location

East San Gabriel River Watershed

Upper San Jose Creek

Six Basins

City

Brackett Field

San Dimas

Big Dalton Wash

La Verne

Pomona

Upper San Jose Creek

City
Site Location

Project Location

Brackett Field
Municipal Benefits

• Improved water quality – comply with MS4 permit
• Ground water recharge
• Water supply reliability
• Emulation of hydrologic processes
• Flood risk management
• Educational benefits – tours of facility
• Collaboration with key stakeholders: Cities of San Dimas, Claremont, Pomona, La Verne, and Upland, Golden State Water Company, San Antonio Water Company, Three Valleys Municipal Water District, Pomona College, Pomona Valley Protective Association (PVPA), Industrial Environment Association (IEA), LA County, and LA County DPW’s Aviation Division
Benefits to Disadvantaged Communities

• Directly adjacent to disadvantaged community census blocks
• Increased local water supply reliability
• Reduced risk of regulatory burden on general funds and resulting reduction of municipal and county services
• Provide educational benefits within Six Basins (e.g., facility tours)
Proposed Drainage Area

- Proposed Drainage Area = 320.9 ac

- Proposed Gravity Connection with Hydrodynamic Separator Unit

- Proposed Pumped Connection with Pump Station and Hydrodynamic Separator Unit

- Outfall
85th Percentile, 24-Hour Storm Hydrograph

Total Inflow Volume: 15.5 ac-ft
Conceptual Profile: Gravity
Conceptual Profile: Pumped
# Project Schedule & Expenditure Projections

## Project Details

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>General Timeframe</th>
<th>TRP Budget Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feasibility Study</td>
<td>June 2020 – June 2021</td>
<td>$300,000</td>
</tr>
</tbody>
</table>

## Project Phase

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>General Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>May 2024 – May 2025</td>
</tr>
<tr>
<td>Permitting</td>
<td>June 2025 – December 2025</td>
</tr>
<tr>
<td>Construction</td>
<td>January 2026 – January 2028</td>
</tr>
</tbody>
</table>

## Fiscal Year

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Description of Expenditure</th>
<th>Needed Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 2023 – June 2024</td>
<td>Preparation of Grant Applications, Design and Planning</td>
<td>$356,100</td>
</tr>
<tr>
<td>July 2024 – June 2025</td>
<td>Design and Planning, Obtaining Permits</td>
<td>$1,424,400</td>
</tr>
<tr>
<td>July 2026 – Onwards</td>
<td>Obtaining Permits, Construction</td>
<td>$17,805,000</td>
</tr>
</tbody>
</table>

Total Projected Funding Need: $19,585,500
Water Quality & Water Supply

- 24-hour BMP Capacity: 15.5 ac-ft (sized per the 85th percentile, 24-hour storm event)
- Annual Average Capture: 180.25 ac-ft (based on 15.5 ac-ft inflow volume from the 85th percentile, 24-hour storm event)
CIMP Wet Weather Results: Nutrients

Compliance based on annual load to Puddingstone. Objective shown is the required average concentration to meet load limitations.

<table>
<thead>
<tr>
<th>TMDL Limitation</th>
<th>2018/19 Loads through Feb</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP 2,978 lbs</td>
<td>TP 510 lbs</td>
</tr>
</tbody>
</table>
CIMP Wet Weather Results: Nutrients

Objective shown is the required average concentration to meet load limitations.

Compliance based on annual load to Puddingstone.

Groundwater WQO for Nitrate

Groundwater WQO for Nitrate-Nitite

Groundwater WQO for Nitrite-Nitrogen

Total Nitrogen - Wet

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Compliance based on annual load to Puddingstone. Objective shown is the required average concentration to meet load limitations.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TMDL Limitation</th>
<th>2018/19 Loads through Feb</th>
</tr>
</thead>
<tbody>
<tr>
<td>TN 12,760 lbs</td>
<td>TN 28,884 lbs</td>
</tr>
</tbody>
</table>
Pollutant Removal

- Total Phosphorus: 260.5 lbs (97.6%)
- Total Nitrogen: 2068.0 lbs (98.1%)
- Total Zinc: 117.2 lbs (99.7%)
- Total Copper: 28.4 lbs (99.4%)
- Total Lead: 18.6 lbs (99.5%)
Community Investment Benefits

Stormwater diversion from the drainage system mitigates flood risk to surrounding neighborhood and airport.

Decreases impact of non-point source pollutants, thereby enhancing habitats.
Promotes infiltration of stormwater through natural soils, thereby increasing the yield of groundwater aquifers and decreasing the impact of non-point source pollutants.
Ms. Julie Carver  
Environmental Programs Supervisor  
148 N. Huntington St.  
Pomona, CA 91768

Subject: Support for East San Gabriel Stormwater Projects

Dear Ms. Carver,

I am contacting you on behalf of the Industrial Environmental Association (IEA) to voice our support for the East San Gabriel Valley Watershed Management Group’s (Group) regional stormwater projects. Toward that end, IEA fully supports the Group’s application for Safe Clean Water Program funding because we believe that the projects will improve water quality and water supply in the watershed.

The Industrial Environmental Association is an NGO founded in 1983 that represents manufacturing related companies in the southern California region. Reliable water quality and water supply is essential to our members to support manufacturing processes. And while our member companies have worked diligently to reduce their own process water consumption, the Group’s efforts are essential to help insure there is ample water for future residents and businesses in the area.

Thank you for this opportunity for IEA to support the Group’s efforts and its application for funding.

Best regards,

Jack Monger
Q and A

Ed Othmer, PE CPESC, CPSWQ, QSP/D ToR, QISP ToR, ENV SP, PMP
North America Wet Weather Sector Leader
Tel: +1 858 751 1219
Cell: +1 619 279 3682
Ed.Othmer@stantec.com

Alexis Holmdal, PE, PMP, ENV SP
Civil Engineer
Tel: +1 617 314 7117
Alexis.Holmdal@stantec.com
Fairplex Regional Stormwater Project
(Technical Resources)

Ed Othmer PE, CPESC, CPSWQ, QSP/D ToR, QISPToR, ENV SP, PMP, & Alexis Holmdal PE, PMP, ENV SP (Stantec), representing the East San Gabriel Valley Watershed Management Group in partnership with Six Basins Watermaster

Upper San Gabriel River Watershed Area Steering Committee (WASC) January 30, 2020
Agenda

• Project Location
• Project Details
• Summary of Benefits
Purpose

• Collaboration and partnership with LA County is essential to achieving MS4 permit compliance
• Prospective stormwater capture sites identified on LA County properties would help meet Nutrient TMDLs at Puddingstone Reservoir
• Recharge of recycled water will augment groundwater supply
• LA County-owned sites have been identified as prospective stormwater capture sites, providing multiple benefits to all parties
Watershed

Project Location

East San Gabriel River Watershed
Upper San Jose Creek
Six Basins
City

Fairplex

San Dimas
La Verne
Claremont
Pomona

Big Dalton Wash
Municipal Benefits

- Improved water quality – comply with MS4 permit
- Ground water recharge
- Water supply reliability
- Emulation of hydrologic processes
- Flood risk management
- Educational benefits

- Collaboration with key stakeholders: Collaboration with key stakeholders: Cities of San Dimas, Claremont, Pomona, La Verne, and Upland, Golden State Water Company, San Antonio Water Company, Three Valleys Municipal Water District, Pomona College, Pomona Valley Protective Association (PVPA), Industrial Environment Association (IEA), LA County, and LA County Fair Association
Benefits to Disadvantaged Communities

- Increased local water supply reliability
- Reduced risk of regulatory burden on general funds and resulting reduction of municipal and county services
- Provide opportunities for education
- No displacement due to location
Proposed Drainage Area

- Proposed Drainage Area = 487.8 ac
- Proposed Gravity Connection with Hydrodynamic Separator Unit
- Proposed Gravity Connection with Catch Bains and Hydrodynamic Separator Unit
- Proposed Pumped Connection with Pump Station and Hydrodynamic Separator Unit
- Outfall
85th Percentile, 24-Hour Storm Hydrograph

Total Inflow Volume: 31.04 ac-ft
Conceptual Profile: Pumped

CAST IRON FRAME AND LID (SC-FL-10)

10" PVC CLEANOUT RISER PIPE WITH UNDERLYING SEDIMENT TRAP

OUTFALL PIPE 30' MAX FOR CONTROLLED REASONS ONLY

SOIL BACKFILL 18" MIN

12" M STONE

6" M STONE

3/4"-2" ANGULAR, CRUSHED WASHED STONE

STORM CHAMBER SEDIMENT TRAP

WOVEN STABILIZATION FABRIC UNDER INFLOW ROW

30" MAX INFLOW PIPE

PUMP WELL

STORM CHAMBER SC-34 DOUBLE LAYER
TOP 366.08' x 651'
BOTTOM 365.29' x 655.32'

EXISTING MH STA. 25+00 FAIRFLEX DRAIN

UNNAMED ROAD

TYPICAL PUMPED CONNECTION (NOT TO SCALE)
## Project Schedule & Expenditure Projections

<table>
<thead>
<tr>
<th>Project Phase</th>
<th>General Timeframe</th>
<th>TRP Budget Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feasibility Study</td>
<td>June 2020 – June 2021</td>
<td>$300,000</td>
</tr>
</tbody>
</table>

### Design Phase
- **General Timeframe**: July 2021 – May 2022

### Permitting Phase
- **General Timeframe**: June 2022 – December 2022

### Construction Phase
- **General Timeframe**: December 2022 – January 2025

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Description of Expenditure</th>
<th>Needed Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 2020 – June 2021</td>
<td>Preparation of Grant Applications</td>
<td>$573,220</td>
</tr>
<tr>
<td>July 2021 – June 2022</td>
<td>Design and Planning, Obtaining Permits</td>
<td>$2,292,880</td>
</tr>
<tr>
<td>July 2022 – June 2023</td>
<td>Obtaining Permits, Construction</td>
<td>$10,882,690</td>
</tr>
<tr>
<td>July 2023 – June 2024</td>
<td>Construction</td>
<td>$17,493,730</td>
</tr>
<tr>
<td>July 2024 – June 2025</td>
<td>Construction, Inspection</td>
<td>$284,580</td>
</tr>
</tbody>
</table>

**Total Projected Funding Need:** $31,527,100
Water Quality & Water Supply

- 24-hour BMP Capacity: 31.04 ac-ft (sized per the 85th percentile, 24-hour storm event)

- Annual Average Capture: 335.5 ac-ft (based on 31.04 ac-ft inflow volume from the 85th percentile, 24-hour storm event)
CIMP Wet Weather Results: Nutrients

Compliance based on annual load to Puddingstone. Objective shown is the required average concentration to meet load limitations.

<table>
<thead>
<tr>
<th>TMDL Limitation</th>
<th>2018/19 Loads through Feb</th>
</tr>
</thead>
<tbody>
<tr>
<td>TP 2,978 lbs</td>
<td>TP 510 lbs</td>
</tr>
</tbody>
</table>
CIMP Wet Weather Results: Nutrients

Compliance based on annual load to Puddingstone. Objective shown is the required average concentration to meet load limitations.

<table>
<thead>
<tr>
<th>TMDL Limitation</th>
<th>2018/19 Loads through Feb</th>
</tr>
</thead>
<tbody>
<tr>
<td>TN 12,760 lbs</td>
<td>TN 28,884 lbs</td>
</tr>
</tbody>
</table>
Pollutant Removal

- Total Phosphorus: 801.8 lbs (92%)
- Total Nitrogen: 5735.9 lbs (93%)
- Total Zinc: 373.9 lbs (98%)
- Total Copper: 90.7 lbs (98%)
- Total Lead: 72.4 lbs (98%)
Community Investment Benefits

- Stormwater diversion from the drainage system mitigates flood risk to surrounding neighborhood and fairground
- Decreases impact of non-point source pollutants, thereby enhancing habitats
- Enhances recreational opportunities
Nature-Based Solutions

Promotes infiltration of stormwater through natural soils, thereby increasing the yield of groundwater aquifers and decreasing the impact of non-point source pollutants.
Ms. Julie Carver  
Environmental Programs Supervisor  
148 N. Huntington St.  
Pomona, CA 91768  

Subject:  Support for East San Gabriel Stormwater Projects

Dear Ms. Carver,

I am contacting you on behalf of the Industrial Environmental Association (IEA) to voice our support for the East San Gabriel Valley Watershed Management Group’s (Group) regional stormwater projects. Toward that end, IEA fully supports the Group’s application for Safe Clean Water Program funding because we believe that the projects will improve water quality and water supply in the watershed.

The Industrial Environmental Association is an NGO founded in 1983 that represents manufacturing related companies in the southern California region. Reliable water quality and water supply is essential to our members to support manufacturing processes. And while our member companies have worked diligently to reduce their own process water consumption, the Group’s efforts are essential to help insure there is ample water for future residents and businesses in the area.

Thank you for this opportunity for IEA to support the Group’s efforts and its application for funding.

Best regards,

Jack Monger

Jack Monger
Q and A

Ed Othmer, PE CPESC, CPSWQ, QSP/D ToR, QISP ToR, ENV SP, PMP
North America Wet Weather Sector Leader
Tel: +1 858 751 1219
Cell: +1 619 279 3682

Ed.Othmer@stantec.com

Alexis Holmdal, PE, PMP, ENV SP
Civil Engineer
Tel: +1 617 314 7117

Alexis.Holmdal@stantec.com