



AGENDA

**Regular Meeting of the Board of Directors
Thursday, November 9, 2017 at 12:00 p.m.
Progress Park Plaza, 15500 Downey Avenue, Paramount, CA**

- 1. Roll Call**
- 2. Determination of a Quorum**
- 3. Additions to Agenda (Govt. Code Sec. 54954.2(b))**
- 4. Oral Communications to the Board**
This is an opportunity for members of the public to address the Board on any item under the jurisdiction of the agency. Depending upon the subject matter, the Board may be unable to respond until the item can be posted on the agenda at a future meeting in accordance with provisions of the Brown Act.
- 5. PRESENTATION: Lower LA River Revitalization Plan (Mark Stanley) (Enclosure)**
- 6. Consent Calendar: (Acted as one item unless withdrawn by request)**
 - a. Minutes of the Board Meeting of October 12, 2017 (Enclosure)
 - b. Approve the Warrant Register for November 2017(Enclosure)
- 7. Discussion/Action Regarding Changing the Regularly Scheduled Board Meeting Date to a Bi-Monthly Schedule (Enclosure)**
 - a. Adopt Resolution No. 2017-6 changing the meeting date of GWMA's Regular Board Meetings from the second Thursday of each month to the second Thursday every other month at 12:00 p.m. beginning on January 1, 2018; **OR**
 - b. No action to change current monthly GWMA Regular Board Meeting schedule
- 8. Discussion/Action Regarding Approval of GWMA's Updated On-Call Consultant Services List (Enclosure)**
 - a. Approve GWMA's Updated On-Call Consultant Services List as presented.
 - b. Approval of On-Call Consultant Professional Services Agreements with:
 1. Tetra Tech
 2. Geosyntec Consultants
 3. GEI Consultants
 4. Atkins Global

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- c. Authorize the Chair to execute the On-Call Professional Services Agreements in a form approved by Legal Counsel

9. Discussion/Action Regarding Request for Proposal for Catch Basin Cleaning (Enclosure)

- a. Receive and file Proposals and direct staff to distribute the complete Request for Proposal Package to each of the Gateway Region Cities with no proposal recommendation

10. Gateway Region Watershed Management Groups Oral Report

- a. Lower Los Angeles River Upper Reach 2 Watershed Group
- b. Lower Los Angeles River Watershed Group
- c. Los Cerritos Channel Watershed Group
- d. Lower San Gabriel River Watershed Group

11. Executive Officer's Comments

12. Directors' Comments

13. Adjournment

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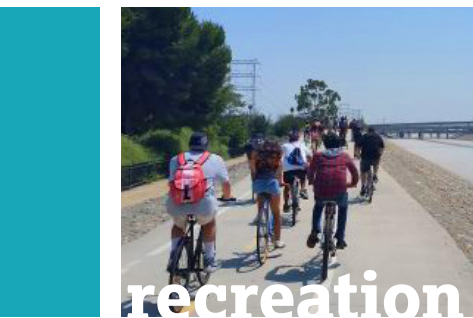
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PROJECT INFORMATION

SPRING 2017



Bringing the Lower LA River to Life!

The Lower Los Angeles River is an important part of many communities in Southeast Los Angeles County. Today, it mainly serves as a flood control channel to protect our communities. Yet many residents also enjoy walking, biking, horse riding, recreation and wildlife viewing in and near the river.

The Lower LA River Revitalization Plan will identify ways to maintain the flood control features, restore natural features where possible, and create opportunities for recreation



LowerLARiver.org/contact-us

POTENTIAL REVITALIZATION OPPORTUNITIES

Revitalization efforts may include many opportunities in varying locations along the Lower LA River. These opportunities include but are not limited to the following:

- PARKS**
And multi-use trails, and open spaces
- WATER**
Quality and treatment
- JOBS & HOUSING**
And other economic
- HEALTH**
Environmental and public health improvements
- HABITAT**
Restoration
- MOBILITY**
Bikeways, walkways, & street improvements
- TOURISM**
- PUBLIC SAFETY**



WHERE IS THE PLAN AREA FOR THE LOWER LA RIVER?

The Lower LA River includes the County of Los Angeles, unincorporated areas, and Southeast LA County cities, including: Vernon, Commerce, Downey, Maywood, Bell, Bell Gardens, Cudahy, Huntington Park, South Gate, Lynwood, Compton, Paramount, and Long Beach.

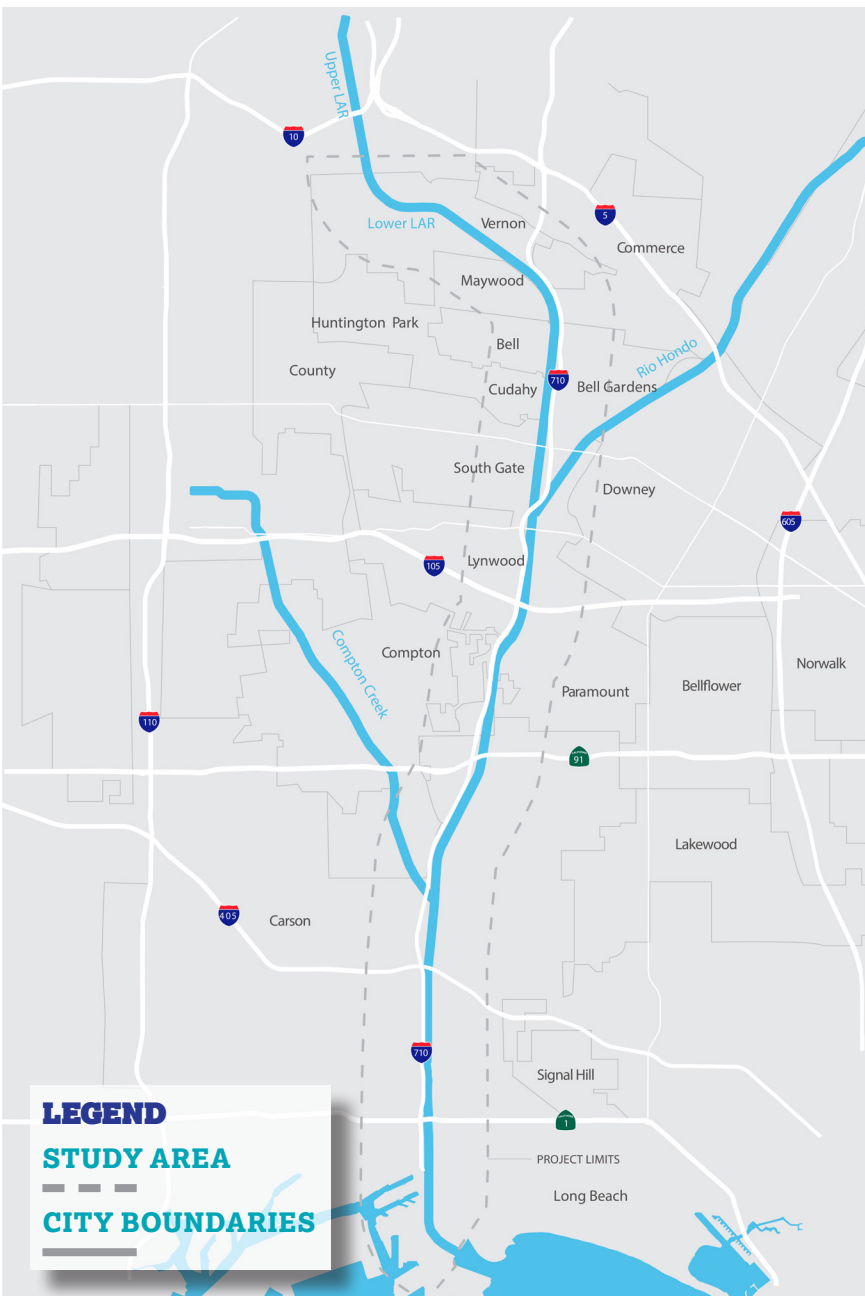
in Southeast LA County. The “Working Group” of community members and civic leaders was established by the Governor’s authorization of Assembly Bill 530 (Assembly Speaker Rendon) to provide input and direction to the formulation of a revitalization plan for the Lower LA River.

The Working Group also directs community outreach activities for the planning process in all Southeast LA communities. The plan is scheduled to be completed in 2018. In the future, the Plan will be included in an update to a Master Plan for the full 51-mile LA River.

GET INVOLVED

Your input is important to improving the Lower LA River! There are many ways to provide input and be involved in the process. Working Group meetings occur monthly and are open to the public. Public input activities occur throughout the corridor’s communities. Visit the project website to sign-up for email notifications, and to learn about events throughout the community.

LowerLARiver.org



PROJECT PARTNERS

- Office of Los Angeles County, Supervisor Hilda Solis, 1st District
- Office of Los Angeles County, Supervisor Mark Ridley-Thomas, 2nd District
- Office of Los Angeles County, Supervisor Janice Hahn, 4th District
- Office Speaker Anthony Rendon, 63rd Assembly District
- San Gabriel and Lower L.A. Rivers and Mountains Conservancy

AGENDA ITEM NO. 6A

**MINUTES OF THE GATEWAY WATER MANAGEMENT AUTHORITY
LOS ANGELES GATEWAY REGION
INTEGRATED REGIONAL WATER MANAGEMENT JOINT POWERS AUTHORITY
BOARD
AT PARAMOUNT, CALIFORNIA
THURSDAY, OCTOBER 12, 2017**

A regular meeting of the Board of Directors of the Gateway Water Management Authority was held on Thursday, October 12, 2017 at 12:00 p.m. at the Progress Park Plaza, 15500 Downey Avenue, Paramount, CA 90723.

Chair Christopher Cash called the meeting to order at 12:04 p.m. Roll was called by Ms. Weiss and a quorum of the Board was declared.

BOARD MEMBERS PRESENT:

Okina Dor	Artesia
Bill Pagett	Bell
Chau Vu	Bell Gardens
Mike O'Grady (alternate)	Cerritos
Gina Nila	Commerce
Mohammad Mostahkami	Downey
Christina Dixon (alternate)	Huntington Park
Mark Stowell	La Mirada
Konya Vivanti (alternate)	Lakewood
Melissa You	Long Beach
Sam Kouri (alternate)	Montebello
Adriana Figueroa	Norwalk
Christopher Cash	Paramount
Robert Delgadillo (alternate)	Pico Rivera
Frank Beach (alternate)	Santa Fe Springs
Kelli Tunnicliff	Signal Hill
Gladis Deras (alternate)	South Gate
Claudia Arellano (alternate)	Vernon
Dave Schickling	Whittier

STAFF AND GUESTS ON SIGN-IN SHEET:

Grace Kast	Executive Officer
Toni Penn	Admin/Accounting Manager
Bibi Weiss	Office Assistant
Steve Dorsey	Legal Counsel
Bill Minasian	Downey Resident
Desi Alvarez	MCM Management Co.
Charlie Honeycutt	Signal Hill
Mark Moss	Central Basin MWD
Dan Mueller	Downey

Russ Bryden

LACFCD

ITEM 3 - ADDITIONS TO THE AGENDA

None.

ITEM 4 – ORAL COMMUNICATIONS TO THE BOARD

None.

Director Vu entered the meeting at 12:08 PM.

**ITEM 5 – RESILIENCY AND STORM WATER FUNDING UPDATE PRESENTATION
(RUSS BRYDEN)**

Mr. Russ Bryden, from the Los Angeles County Flood Control District, gave an oral presentation on the Resiliency and Storm Water Funding Plan. He updated the Board on the County's effort to reach out to the public and their anticipation of having the draft framework by March 2018 and a draft final plan within a year.

Mr. Bryden said he would like to come back to the GWMA Board and give periodic updates.

ITEM 6 – CONSENT CALENDAR

Director Nila motioned to approve the consent calendar as presented. The motion was seconded by Director Delgadillo and was approved by the following voice vote:

**AYES: VU, O'GRADY, NILA, DIXON, STOWELL, VIVANTI, YOU,
KOURI, CASH, DELGADILLO, BEACH, TUNNICLIFF,
ARELLANO, SCHICKLING**

NOES: NONE

**ABSTAIN: DOR, MOSTAHKAMI, PAGETT
FIGUEROA (MINUTES ONLY)**

ITEM 7 – DISCUSSION GWMA'S DRAFT RESERVE POLICY

Ms. Kast reported that the Reserve Policy had been presented at the September Board Meeting to solicit any input or questions from the Board.

Ms. Kast stated that it was now the recommendation of the staff that the Board approve GWMA's Reserve Policy as presented.

Director Nila motioned to approve GWMA's Reserve Policy as presented. The motion was seconded by Director Figueroa and was approved by the following voice vote:

AYES: DOR, PAGETT, VU, O'GRADY, NILA, MOSTAHKAMI, DIXON, STOWELL, VIVANTI, YOU, KOURI, FIGUEROA, CASH, DELGADILLO, BEACH, TUNNICLIFF, ARELLANO, SCHICKLING

NOES: NONE

ABSTAIN: NONE

ITEM 8 – GWMA'S UPDATED ON-CALL CONSULTANT SERVICES LIST

Ms. Kast reported that an ad hoc Committee consisting of Directors Stowell, Grajeda, and Vu along with GWMA staff, held a conference call on September 26th to discuss, rank, select and recommend consultants for GWMA's updated list of pre-qualified consultants. She stated that the committee selected the top four (4) firms based upon specific skillsets and experience needed for the unique regional, multi-party needs of GWMA. She indicated that the four (4) selected firms were: Tetra Tech, Geosyntec Consultants, GEI Consultants, and Atkins Global.

Director Figueroa moved to approve GWMA's updated On-Call Consultant List as directed, contingent upon Legal Counsel's review of any requested changes on PSA. The motion was seconded by Director Cash. This motion failed due to lack of support.

Director Mostahkami motioned to move the vote to the next scheduled GWMA Board meeting in November and include the SOQ's received along with the PSA as attachments in the agenda packet. The motion was seconded by Director Schickling and was approved by the following voice vote:

AYES: VU, MOSTAHKAMI, DIXON, YOU, KOURI, DELGADILLO, BEACH, ARELLANO, SCHICKLING

NOES: PAGETT, O'GRADY, NILA, STOWELL, VIVANTI, FIGUEROA, CASH, TUNNICLIFF

ABSTAIN: DOR

ITEM 9 –CATCH BASIN CLEANING/MAINTENANCE BID PROCESS

Ms. Kast reported that on August 28, 2017, GWMA released a Notice Inviting Bids for Catch Basin Cleaning/Maintenance Services. She stated that the deadline to receive bids was set for September 21, 2017 at 12:00 PM. Ms. Kast stated that these sealed bids were opened at GWMA headquarters and that subsequent to the bid opening, GWMA received a bid protest letter from United Storm Water, Inc. Ms. Kast reported that this bid protest letter was regarding the types of licenses to conduct the work.

Ms. Kast stated that after thorough review by staff, legal counsel and engineers, staff was now recommending that all of the bids be rejected in order to conduct the entire process again. Ms. Kast stated that rather than a Notice Inviting Bids, staff was recommending a Request for Proposal process instead, since this work was for cleanup services only and would not require repair work. Ms. Kast requested that she be authorized to issue a 10-day Request for Proposal for catch basin cleaning.

Director Stowell motioned to authorize the Executive Officer to issue a 10-day Request for Proposal for catch basin cleaning. The motion was seconded by Director Schickling and was approved by the following voice vote:

**AYES: DOR, PAGETT, VU, O’GRADY, NILA, MOSTAHKAMI, DIXON,
STOWELL, VIVANTI, YOU, KOURI, FIGUEROA, CASH, BEACH,
TUNNICLIFF, ARELLANO, SCHICKLING**

NOES: NONE

ABSTAIN: DELGADILLO

ITEM 10 – GATEWAY IRWMP PLAN ORAL UPDATE

Director Deras entered the meeting at 12:50 PM.

Ms. Kast reported that the request to incorporate the Gateway IRWM Plan into the GLAC IRWM Plan and to expand the GLAC Boundary to include Catalina Island was approved on August 22, 2017 by the Department of Water Resources.

ITEM 11 – GATEWAY REGION WATERSHED MANAGEMENT GROUPS ORAL UPDATES

Lower Los Angeles River Upper Reach 2 Watershed Group

Director Nila reported that the Prop 1 draft grant agreement had been sent back to the State Water Board with comments and they were now waiting on a response.

Steve Dorsey, legal counsel for GWMA, stated that he was working on the subrecipient agreements.

Lower Los Angeles River Watershed Group

Director Deras reported that they would be having their bi-monthly meeting on October 23, 2017.

Los Cerritos Channel Watershed Group

Director Vivanti reported that they were collecting data for their annual report.

Lower San Gabriel River Watershed Group

Director Figueroa stated that there was nothing to report and they would be meeting next week.

Director Figueroa left the meeting at 1:08 PM.

ITEM 12 – EXECUTIVE OFFICER’S REPORT

Ms. Kast reported that there were still two cities that had not turned in their Resolutions for Appointing Board Members but were expected soon. Ms. Kast also informed all new Board Members/Alternates that they would be receiving an email from the Board of Supervisors to fill out Form 700’s for Assuming Office.

Ms. Kast updated the Board on the status of the GWMA Annual Membership Dues for FY2017/18, stating that two invoices were still outstanding.

ITEM 13 – DIRECTORS’ COMMENTS/REPORT

Director Cash welcomed GWMA’s new Secretary/Treasurer Kelli Tunnicliff, from the City of Signal Hill.

Director Schickling recommended that GWMA Board Meetings be changed to meet bi-monthly instead of monthly. This was discussed among the Board and Director Mostahkami recommended that the item be agendized and brought back to the board in November for consideration.

Director Vivanti invited the board to a Sewer Summit in the City of Lakewood on November 1, 2017.

The meeting was adjourned at 1:16 PM.

Kelli Tunnicliff, Secretary/Treasurer

Date

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SECTION NO. 6(b) Approve the Warrant Register for November 2017

SUMMARY:

The Warrant Register is a listing of general checks issued since the last warrant register. Warrants will be signed by 2 of the 3 Board Officers and released by Toni Penn, serving as the Administrative/Accounting Manager of the Gateway Water Management Authority, upon Board Approval.

DISCUSSION:

The Warrant Register for expenditures dated November 2017 in the amount of \$318,672.26 is submitted for approval. Invoices and supporting documentation are available for review at the office of the GWMA.

FISCAL IMPACT:

The Warrant Registers totals \$318,672.26. Funds to cover payment are available in the Gateway Authority budget.

RECOMMENDATION:

Approve the Warrant Register for November as presented.

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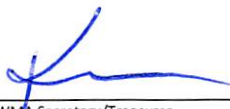
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AGENDA ITEM NO. 6b

WARRANT REGISTER
Disbursement Journal
November-17

Invoice Date	Vendor	Invoice Number	Description	Amount
10/31/2017	Anchor QEA	54525	Harbor Toxics TMDL Monitoring for September	\$ 14,236.96
7/1/2017	City of Paramount	3663	Reimbursement for June Meeting Expenses	\$ 27.94
11/1/2017	City of Paramount	3736	Rent - November 2017	\$ 339.22
10/27/2017	City of Signal Hill	10/27/2017	Refund of City funds transferred to GWMA in error	\$ 172,857.36
10/25/2017	Civiltec Engineering Inc.	38039	Prop 84 2015 Grant Adminisitrative Services	\$ 1,451.25
11/1/2017	CliftonLarsonAllen LLP	1649070-A	Accounting/Auditing Services for September	\$ 1,500.00
11/1/2017	CliftonLarsonAllen LLP	1649070-B	Accounting/Auditing Services for October	\$ 1,500.00
10/31/2017	Gateway Cities COG	10/31/2017	Reimbursement for Office Supplies	\$ 159.19
11/1/2017	GK Consulting	11-17-DACIP-GWMA	GLAC DAC Chair Activities for October 2017	\$ 2,535.00
11/01/17	GK Consulting	11-17-GWMA	Professional and Accounting Services	\$ 23,732.50
10/17/17	Joe A Gonsalves & Son	156073	Legislative Advocacy Services for November	\$ 2,083.00
09/27/17	John L Hunter & Associates	GANPLA0817	LLAR WMP Implementation for August	\$ 56,938.75
10/19/17	John L Hunter & Associates	GANPLA0917	LLAR WMP Implementation for September	\$ 22,543.75
10/17/17	John L Hunter & Associates	GANPSG0917	LSGR WMP Implementation for September	\$ 9,110.00
10/23/17	Richards Watson Gershon	214167	Legal Services - General	\$ 3,285.00
10/23/17	Richards Watson Gershon	214168	Legal Services - Project Specific	\$ 4,437.34
10/23/17	Richards Watson Gershon	214169	Legal Services - Harbor Toxic Pollutants TMDL MOU	\$ 1,935.00
10/05/17	Rodger's Catering	27935	Meeting Expense	\$ 431.37
10/10/17	Southern California Water Committee	1052	Annual Membership Dues	\$ 1,000.00
				<u>\$ 318,672.26</u>

Reviewed and Approved by:



Kelli Tunnicliff, GWMA Secretary/Treasurer

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SECTION NO. 7 Discussion/Action Regarding Changing the Regularly Scheduled Board Meeting Date to a Bi-Monthly Schedule (Enclosure)

SUMMARY:

Currently, GWMA's regularly scheduled board meetings are held the second Thursday of each month at 12:00 p.m. Last month, a Board Member requested consideration to change the GWMA regularly scheduled board meetings from monthly to bi-monthly. As a public agency, this change can only be done by a resolution adopted by the Board.

The benefits of changing the meetings to bi-monthly include the potential cost and time savings of preparing and holding meetings which includes staff and legal time, supplies and lunch costs. Conversely, changing to bi-monthly meetings may result in slowing down work flow, possibly delaying needed grant or contractual actions, and reducing the flow of information amongst Board Members, Staff and Legal Counsel.

Under the Ralph M. Brown Act, which governs GWMA meetings, agendas for regular meetings must be posted at least 72 hours prior to the time the meeting is set to convene. Technically, the only way to cancel a regular meeting is to fail to post an agenda 72 hours prior to the time of the meeting. As a courtesy to the public, many agencies post a notice that a meeting is cancelled 72 hours or fewer prior to the scheduled meeting time. If a special meeting is required, defined as a meeting other than the regularly scheduled Board meeting, the agenda must be posted at least 24 hours prior to the scheduled meeting date and notice must be provided to each Board Member and any news organizations, other organizations or individuals that have asked for copies of such notices. An official GWMA Board Meeting requires a quorum of at least 16 Board Members in attendance out of 29 Board Members in order to conduct business.

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FISCAL IMPACT:

Bi-Monthly Meetings: Potential fifty percent cost savings associated with holding only 6 meetings per year rather than 12 meetings per year. Board Meeting costs include staff and legal time, supplies and lunch with beverages. The exact cost savings is difficult to estimate which depends on the content of the agenda. Lunch costs are approximately \$400 to \$450 per meeting. Special meetings, if needed will reduce the cost savings.

Monthly Meetings: No cost savings except if a regular board meeting is cancelled due to lack of an expected quorum or lack of substantive agenda items.

RECOMMENDATION:

- a) Adopt Resolution No. 2017-6 changing the meeting date of GWMA's Regularly Scheduled Board Meetings from the second Thursday of each month at 12:00 pm. to the second Thursday every other month at 12:00 p.m. beginning on January 1, 2018;

OR

- b) No action to change current monthly GWMA Regular Board Meeting schedule.

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AGENDA ITEM NO. 7

**RESOLUTION NO. 17-6
RESOLUTION OF THE BOARD OF DIRECTORS
OF THE GATEWAY WATER MANAGEMENT AUTHORITY
JOINT POWERS AUTHORITY**

THE BOARD OF DIRECTORS OF THE GATEWAY WATER MANAGEMENT AUTHORITY JOINT POWERS AUTHORITY DOES RESOLVE AS FOLLOWS:

WHEREAS, the Gateway Water Management Authority ("GWMA JPA") holds its regularly scheduled Board meetings on the second Thursday of every month at 12:00 p.m.

WHEREAS, the GWMA Board and staff desire to change the date of GWMA JPA's Regularly Scheduled Board Meeting from the second Thursday of each month to the second Thursday of every other month at 12:00 p.m. beginning on January 1, 2018.

NOW, THEREFORE, the Board of Directors of the GWMA JPA does hereby resolve as follows:

- 1. The regularly scheduled Board meeting of the GWMA JPA shall now be held on the second Thursday of every other month at 12:00 p.m. beginning January 1, 2018.**

ALL THE FOREGOING, being on motion of _____, Director and seconded by _____, Director was authorized by the following voice votes:

AYES:

NOES:

ABSTAIN:

PASSED, APPROVED, AND ADOPTED by the Board of Directors of GWMA JPA this _____ day of _____, 2017.

Christopher S. Cash, Chair

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SECTION NO. 8: DISCUSSION/ACTION REGARDING APPROVAL OF GWMA'S UPDATED ON-CALL CONSULTANT SERVICES LIST

SUMMARY:

At the April 13th GWMA Board Meeting, Ms. Kast announced that GWMA would be sending out a Request for Qualifications "RFQ" to update GWMA's On-Call List of Consultants.

With the assistance of an Ad Hoc Committee which included Directors Mostahkami and Beach, the RFQ was drafted and then issued on July 17, 2017. The deadline for submittal of the Statement of Qualifications "SOQ" was August 21, 2017 at noon. GWMA received 6 SOQs (attached) which were from: 1) Atkins Global; 2) GEI Consultants, Inc.; 3) Geosyntec Consultants; 4) RRM Design Group; 5) Simplus Management; and 6) Tetra Tech.

Five consultants currently on GWMA's On-Call Consultants List were not requested to resubmit an SOQ. This was because there were no team member changes or other factors which warranted new SOQs. The current On-Call Consultants which were not required to resubmit an SOQ and are still on GWMA's On-Call Consultants List include: Stetson Engineers, Inc., Civiltec Engineering, CWE, John L. Hunter & Associates and Richard Watson & Associates, Inc.

At the October 12, 2017 Board Meeting, Ms. Kast announced that the Ad Hoc Committee, consisting of Directors Stowell, Grajeda and Vu, along with GWMA staff, held a conference call on September 26th to discuss, rank, select and recommend the top four (4) firms based upon specific skillsets and experience needed for the unique regional, multi-party needs of GWMA. The four (4) selected firms were: Tetra Tech, Geosyntec Consultants, GEI Consultants and Atkins Global. After discussion, the board moved to bring this item back to the Board at its November meeting and include all the Statement of Qualifications received along with their respective Professional Services Agreements in the Agenda Packet.

RECOMMENDATION:

- a) Approve GWMA's Updated On-Call Consultant Services List as presented.
- b) Approval of On-Call Consultant Professional Services Agreements with:
 1. Tetra Tech,
 2. Geosyntec Consultants
 3. GEI Consultants
 4. Atkins Global

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- c) Authorize the Chair to execute the On-Call Professional Services Agreements in a form approved by Legal Counsel.

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Proposed List - October 2017

ON-CALL CONSULTING SERVICES FOR GWMA
*(Consultants listed in **RED** are newly added for board consideration)*

Feasibility Study and Project and/or Program Report Writing

Stetson Engineers, Inc. – Steve Johnson stevej@stetsonengineers.com

Civiltec – David Byrum dbyrum@civiltec.com

CWE – Vik Bapna vbapna@cwe.corp.com

John L. Hunter & Associates – John Hunter jhunter@jlha.net

Richard Watson & Associates, Inc. – Rich Watson rwatson@rwaplanning.com

Tetra Tech – Oliver Galang oliver.galang@tetrattech.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

GEI Consultants – Bill Bennett bbennett@geiconsultants.com

Atkins Global – Alberto Acevedo alberto.acevedo@atkinsglobal.com

Christopher Cash (Paramount), Board Chair • Adriana Figueroa (Norwalk), Vice-Chair • Kelli Tunncliff (Signal Hill), Secretary/Treasurer
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(Page 2)

Project Management (Including but not limited to Construction Management and Inspection Services, Plan Checking, Compliance Assurance and Reporting Services Associated with Federal, State and Other Grant Funded Projects and Programs)

Stetson Engineers, Inc. – Steve Johnson stevej@stetsonengineers.com

Civiltec – David Byrum dbyrum@civiltec.com

CWE – Vik Bapna vbapna@cwe.corp.com

John L. Hunter & Associates – John Hunter jhunter@jlha.net

Richard Watson & Associates, Inc. – Rich Watson rwatson@rwaplanning.com

Tetra Tech - Oliver Galang oliver.galang@tetrattech.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

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(Page 3)

Coordinate and Manage Watershed Projects

Stetson Engineers, Inc. – Steve Johnson stevej@stetsonengineers.com

Civiltec – David Byrum dbyrum@civiltec.com

CWE – Vik Bapna vbapna@cwe.corp.com

John L. Hunter & Associates – John Hunter jhunter@jlha.net

Richard Watson & Associates, Inc. – Rich Watson watson@rwaplanning.com

Tetra Tech - Oliver Galang oliver.galang@tetrattech.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

GEI Consultants – Bill Bennett bbennett@geiconsultants.com

Prepare and/or Manage Preparation of Bid Documents, Plans and Specifications

Stetson Engineers, Inc. – Steve Johnson stevej@stetsonengineers.com

Civiltec – David Byrum dbyrum@civiltec.com

CWE – Vik Bapna vbapna@cwe.corp.com

John L. Hunter & Associates – John Hunter jhunter@jlha.net

Tetra Tech - Oliver Galang oliver.galang@tetrattech.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

Atkins Global – Alberto Acevedo alberto.acevedo@atkinsglobal.com

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(Page 4)

Regional Planning Grant and/or Other Opportunities Including Development of Associated Documents

Stetson Engineers, Inc. – Steve Johnson stevej@stetsonengineers.com

Civiltec – David Byrum dbyrum@civiltec.com

CWE – Vik Bapna vbapna@cwe.corp.com

John L. Hunter & Associates – John Hunter jhunter@jlha.net

Richard Watson & Associates, Inc. – Rich Watson rwatson@rwaplanning.com

Tetra Tech - Oliver Galang oliver.galang@tetrattech.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

GEI Consultants – Bill Bennett bbennett@geiconsultants.com

Grant Writing and/or Grant Implementation Management

Stetson Engineers, Inc. – Steve Johnson stevej@stetsonengineers.com

Civiltec – David Byrum dbyrum@civiltec.com

CWE – Vik Bapna vbapna@cwe.corp.com

John L. Hunter & Associates – John Hunter jhunter@jlha.net

Richard Watson & Associates, Inc. – Rich Watson rwatson@rwaplanning.com

Tetra Tech - Oliver Galang oliver.galang@tetrattech.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

GEI Consultants – Bill Bennett bbennett@geiconsultants.com

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(Page 5)

Strategic Local and/or Regional Planning Efforts, Including Development of Associated Documents

Civiltec – David Byrum dbyrum@civiltec.com

CWE – Vik Bapna vbapna@cwe.corp.com

John L. Hunter & Associates – John Hunter jhunter@jlha.net

Richard Watson & Associates, Inc. – Rich Watson rwatson@rwaplanning.com

Tetra Tech - Oliver Galang oliver.galang@tetrattech.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

GEI Consultants – Bill Bennett bbennett@geiconsultants.com

GIS Mapping/Management

Stetson Engineers, Inc. – Steve Johnson stevej@stetsonengineers.com

Civiltec – David Byrum dbyrum@civiltec.com

CWE – Vik Bapna vbapna@cwe.corp.com

John L. Hunter & Associates – John Hunter jhunter@jlha.net

Richard Watson & Associates, Inc. – Rich Watson rwatson@rwaplanning.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

GEI Consultants – Bill Bennett bbennett@geiconsultants.com

Atkins Global – Alberto Acevedo alberto.acevedo@atkinsglobal.com

Tetra Tech - Oliver Galang oliver.galang@tetrattech.com

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CEQA/NEPA Environmental Proceedings (Including but not limited to, Preparation, Review and Management of Technical Reports Associated with Various Projects and/or Programs (Specialty in the area of Water/Watershed/Stormwater))

Stetson Engineers, Inc. – Steve Johnson stevej@stetsonengineers.com

Civiltec – David Byrum dbyrum@civiltec.com

CWE – Vik Bapna vbapna@cwe.corp.com

John L. Hunter & Associates – John Hunter jhunter@jlha.net

Richard Watson & Associates, Inc. – Rich Watson rwatson@rwaplanning.com

Tetra Tech - Oliver Galang oliver.galang@tetrattech.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

GEI Consultants – Bill Bennett bbennett@geiconsultants.com

Atkins Global – Alberto Acevedo alberto.acevedo@atkinsglobal.com

IRWM Related Programs and Activities (Including but not limited to, Plan Updates and Project List Updates)

Tetra Tech - Oliver Galang oliver.galang@tetrattech.com

Geosyntec Consultants – Ken Susilo ksusilo@geosyntec.com

GEI Consultants – Bill Bennett bbennett@geiconsultants.com

Note: Consultants listed in *RED* are newly added for Board consideration.

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PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement (“Agreement”) is dated and effective NOVEMBER 9, 2017 and is between the Los Angeles Gateway Region Integrated Regional Water Management Authority also referred to as the Gateway Water Management Authority (“GWMA”) and Tetra Tech (“Consultant”).

The parties agree as follows:

SECTION 1 - SCOPE OF SERVICES

Consultant shall provide the services (the “Services”) described with each requested scope of services upon GWMA’s approval of cost, schedule and any other applicable terms.

SECTION 2 - TIME FOR PERFORMANCE

The term of this Agreement shall commence on the effective date of this Agreement and expire on November 9, 2022, unless earlier terminated in accordance with the terms of this Agreement or extended by the Project Manager or GWMA Chair.

SECTION 3 - STANDARD OF PERFORMANCE

Consultant’s services shall be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant’s profession currently practicing under similar conditions. By delivery of completed work, Consultant certifies that the work conforms to the requirements of this Agreement and all applicable federal, state and local laws and regulations. Consultant shall maintain throughout the term of this Agreement all licenses, certifications, registrations or other similar requirements necessary for Consultant’s performance of services under this Agreement.

SECTION 4 - OWNERSHIP OF WORK PRODUCT

Upon delivery, the work product, including, without limitation, all original reports, writings, recordings, drawings, files, and detailed calculations developed under this Agreement (collectively “work product”) are GWMA’s property. All copyrights that arise from work product shall vest in GWMA. Consultant waives and relinquishes all claims to copyright or other intellectual property rights in the work product in favor of GWMA. GWMA’s use of the work product is limited to the purposes contemplated by the Services and Consultant makes no representation of the suitability of the work product for use in or application to circumstances not contemplated by this Agreement. Any alteration or reuse by GWMA of the work product on any project other than the Services provided pursuant to this Agreement shall be at GWMA’s sole risk, unless GWMA compensates Consultant for such alteration or reuse.

SECTION 5 - COMPENSATION AND METHOD OF PAYMENT

GWMA shall pay Consultant, for the Services performed based on the proposal/quote received and accepted for each scope of work.

Consultant shall perform the Services for the amount(s) listed for each scope of work. GWMA shall not withhold federal payroll, state payroll and other taxes, or other similar deductions from each payment made to Consultant. Consultant shall pay all applicable federal, state, and local excise, sales, consumer use, and other similar taxes required by law. GWMA shall not allow any claims for additional services performed by Consultant, unless the Project Manager or GWMA Chair authorizes the additional services in writing prior to Consultant's performance of the additional services or the incurrence of additional expenses. Any additional services authorized by the Project Manager or GWMA Chair shall be compensated at the hourly rates set forth above, or, if not specified, at a rate mutually agreed to by the parties. Consultant shall submit invoices to GWMA on a monthly basis for actual work performed and actual expenses incurred during the preceding month. The invoices shall describe in detail the services performed by each person for each task, including the days and hours worked. GWMA shall review the invoices and notify Consultant in writing within ten (10) business days of any disputed amounts. GWMA shall pay all undisputed portions of the invoices within thirty (30) calendar days after receipt up to the maximum amount of compensation specified above. GWMA shall make payment payable to: Tetra Tech, 3475 East Foothill Blvd., Pasadena, CA 91107.

SECTION 6 - INDEPENDENT CONTRACTOR

Consultant is an independent contractor. Neither Consultant nor any of Consultant's officers, employees, agents or subconsultants, if any, shall be an employee of GWMA or its members by virtue of this Agreement or performance of the Services under this Agreement.

SECTION 7 - CONFLICT OF INTEREST

Consultant and its officers, employees, associates and sub consultants, if any, shall comply with all applicable conflict of interest statutes of the State of California applicable to Consultant's Services under this Agreement, including, the Political Reform Act (Cal. Gov. Code § 81000, *et seq.*) and Government Code Section 1090.

SECTION 8 - INDEMNIFICATION

Indemnities. Consultant shall indemnify, defend and hold harmless GWMA, and its officials, officers, attorneys, agents, employees, designated volunteers, successors and assigns in accordance with the terms of this Section 9. Consultant's covenant under this Section 9 shall survive the expiration or termination of this Agreement.

To the fullest extent permitted by law, Consultant hereby agrees, at its sole cost and expense, to protect, defend, hold harmless and indemnify GWMA, its officials, officers, attorneys, agents, employees, designated volunteers, successors, assigns and those GWMA agents serving as independent contractors in the role of GWMA officials (collectively "Indemnitees") from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, expenses, judgments, penalties, liens, and losses of any nature whatsoever,

including fees of accountants, attorneys, or other professionals and all costs associated therewith and the payment of all consequential damages (collectively “Claims”), in law or equity, whether actual, alleged or threatened, which arise out of, pertain to, or relate to the acts or omissions of Consultant, its officers, agents, servants, employees, subconsultants, suppliers or their officers, agents, servants, employees, subconsultants, contractors (or any entity or individual that Consultant shall bear the legal liability thereof) in the performance of this Agreement, including the Indemnitees’ active or passive negligence, except for Claims arising from the sole negligence or willful misconduct of Indemnitees, as determined by final arbitration or court decision or by the agreement of the parties. Consultant shall defend Indemnitees in any action or actions filed in connection with any Claim with counsel of Indemnitees’ choice, and shall pay all costs and expenses, including all attorneys’ fees and experts’ costs actually incurred in connection with such defense. Consultant shall reimburse Indemnitees for any and all legal expenses and costs incurred by Indemnitees in connection therewith.

The indemnity under this Section 9 is effective regardless of any prior, concurrent, or subsequent misconduct, negligent acts, errors or omissions of the Indemnitees and without reference to the existence or applicability of any insurance coverages that are required under this Agreement or any additional insured endorsements that may extend to the Indemnitees. The indemnity under this Section 9 is in addition to any other rights or remedies that the Indemnitees may have under the law. Payment is not required as a condition precedent to the Indemnitees’ right to recover under this Section 9, and an entry of judgment against Consultant shall be conclusive in favor of the Indemnitees’ right to recover under this Section 9. Consultant shall pay Indemnitees for any attorneys fees and costs incurred in enforcing these indemnification provisions.

SECTION 9 - INSURANCE

Insurance Requirements.

Consultant shall at all times during the term of this Agreement carry, maintain, and keep in full force and effect, the following policies of insurance with minimum limits as indicated below and issued by insurers with A.M. Best ratings of no less than A:VII:

“Occurrence Form” Comprehensive General Liability Insurance (at least as broad as ISO Form CG 0001, covering liability on an occurrence basis) providing protection against bodily injury, including death, personal injury and property damage. This insurance shall provide broad form contractual liability protection covering the indemnity provisions contained in this Contract, underground hazards, products-completed operations. A per occurrence limit of \$2,000,000 and \$4,000,000 in the aggregate, written, with dedicated limits, on a “per project” basis; and a products-completed operations aggregate limit of at least \$4,000,000. The Contractor’s insurance policy shall include or be endorsed to include a “severability of interests” provision ensuring that each “additional insured” is treated as if it is the only insured; and “Occurrence Form” Automobile Liability Insurance providing protection against bodily injury, including death, and property damage. This insurance shall provide contractual liability by endorsement (ISO Form CA 0001, Code 1, “any auto” or equivalent) and shall cover any motor vehicle (or mobile equipment, to the extent it may be excluded from general liability insurance) used by the Contractor (whether owned, non-owned, hired or scheduled). The Contractor’s insurance policy

shall include or be endorsed to include a “severability of interests” provision ensuring that each “additional insured” is treated as if it is the only insured; and

Professional liability (if Design/Build), with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate, with a five year tail from the completion of the project; and

Workers’ compensation and Employer’s Liability: Workers’ Compensation insurance as required by the State of California, with Statutory Limits, and Employers’ Liability insurance with a limit of no less than \$1,000,000 per accident for bodily injury or disease.

The insurance required by this Section 10 shall apply on a primary non-contributing basis. Any insurance or self-insurance maintained by GWMA, its member agencies, officers, employees, agents, subcontractors or volunteers, shall be in excess of Consultant’s insurance and shall not contribute with it.

The automobile and comprehensive general liability insurance policies shall contain an endorsement naming GWMA and its officers, employees, officials and agents as additional insureds. All insurance policies shall contain an endorsement providing that the policies cannot be canceled or reduced except on thirty (30) days’ prior written notice to GWMA. All insurance policies shall be endorsed to delete the subrogation condition as to GWMA, or shall explicitly allow Consultant to waive Consultant’s right of recovery prior to loss. Consultant waives all rights of subrogation and contribution against GWMA. Consultant shall require its insurer to modify the certificates of insurance to delete any exculpatory wording stating that failure of the insurer to mail written notice of cancellation imposes no obligation, and to delete the word “endeavor” with regard to any notice provisions.

Consultant shall require all subconsultants or other third parties hired to perform services under this Agreement, to carry, maintain, and keep in full force and effect, insurance policies that meet the requirements of this Section 10, unless otherwise agreed to by GWMA. The procurement of insurance by any subconsultant or other third party hired to perform services under this Agreement shall not relieve Consultant from any duties or liability otherwise arising under this Section 10.

Prior to performance of the Services under this Agreement, Consultant shall file a certificate or certificates of insurance, together with the required endorsements, with GWMA showing that the insurance policies are in effect in the required amounts.

SECTION 10 - TERMINATION

Termination by the Parties.

Termination by GWMA. The Project Manager or GWMA Chair may terminate this Agreement or any portion of this Agreement or the Services required under this Agreement for any reason on ten (10) calendar days’ written notice to Consultant. Upon receipt of a notice of termination, Consultant shall perform no further services except as specified in the notice. Before the date of termination, Consultant shall deliver to GWMA all work product, whether complete or incomplete, prepared or compiled through the date of termination and not otherwise previously

delivered to GWMA. GWMA shall pay Consultant for services satisfactorily performed in accordance with this Agreement to the date of termination. GWMA shall reimburse Consultant for authorized expenses incurred to the date of termination and not previously reimbursed. Consultant shall not have any other claim against GWMA by reason of such termination.

Termination by Consultant. Consultant may terminate this Agreement on thirty (30) calendar days' written notice to GWMA only in the event of a material default by GWMA, which default GWMA has not been cured within thirty (30) days following receipt by GWMA of written notice from Consultant specifying the basis of the alleged default.

SECTION 11 - ADMINISTRATION

GWMA's representative for administration of this Agreement, is the Grace Kast, or such other person designated in writing by the Executive Officer ("Project Manager"). Consultant's representative for administration of this Agreement is Oliver Galang ("Consultant's representative"), unless notified in writing by Consultant that additional representatives are authorized.

SECTION 12 - NOTICES

Any routine administrative communication between the Project Manager and the Consultant's representative required to be in writing may be made by personal delivery, first class U.S. mail, facsimile transmission or electronic mail. Any other notices, invoices or reports required by this Agreement shall be given by first class U.S. mail or by personal service. Notices shall be deemed received on (a) the day of delivery if delivered by hand or overnight courier service during Consultant's and GWMA's regular business hours or by facsimile before or during Consultant's regular business hours; or (b) on the third business day following deposit in the United States mail, postage prepaid, to the addresses below, or to such other addresses as the parties may, from time to time, designate in writing pursuant to the provisions of this Section 13. All notices shall be delivered to the parties at the following addresses:

If to GWMA: Gateway Water Management Authority
Attn: Toni Penn
16401 Paramount Blvd.
Paramount, CA 90723
Email: tonipenn.gateway@gmail.com

If to Consultant: Tetra Tech
Attn: Oliver Galang
3475 East Foothill Blvd.
Pasadena, CA 91107
Email: oliver.galang@tetrattech.com
Phone: 626-470-2423

SECTION 13 - WAIVER

No delay or omission to exercise any right, power or remedy accruing to GWMA under this Agreement shall impair any right, power, or remedy of GWMA, nor shall it be construed as a waiver of, or consent to any breach or default. No waiver of any breach, any failure of a condition, or any right or remedy under this Agreement (1) shall be effective unless it is in writing and signed by the party making the waiver; (2) shall be deemed to be a waiver of, or consent, to any other breach, failure of a condition, or right or remedy, or (3) shall be deemed to constitute a continuing waiver unless the writing expressly so states.

SECTION 14 - ATTORNEY'S FEES

In the event that either party to this Agreement shall commence any legal action or proceeding to enforce or interpret the provisions of this Agreement, the prevailing party in such action or proceeding shall be entitled to recover its costs of suit, including reasonable attorney's fees.

SECTION 15 - ENTIRE AGREEMENT

This Agreement constitutes the final, complete and exclusive statement of the terms of the agreement between the parties pertaining to the subject matter of this Agreement and supersedes all other prior or contemporaneous oral or written understandings and agreements of the parties.

SECTION 16 - MODIFICATION

This Agreement may be supplemented, amended or modified only by a writing signed by Consultant and the Project Manager or GWMA Chair.

[SIGNATURE PAGE FOLLOWS]

The parties are signing this Agreement on the effective date.

GWMA

Consultant

Los Angeles Gateway Region Integrated
Regional Water Management Authority

Tetra Tech

By: _____
Name: Christopher Cash
Title: Chair

By: _____
Name: _____
Title: _____

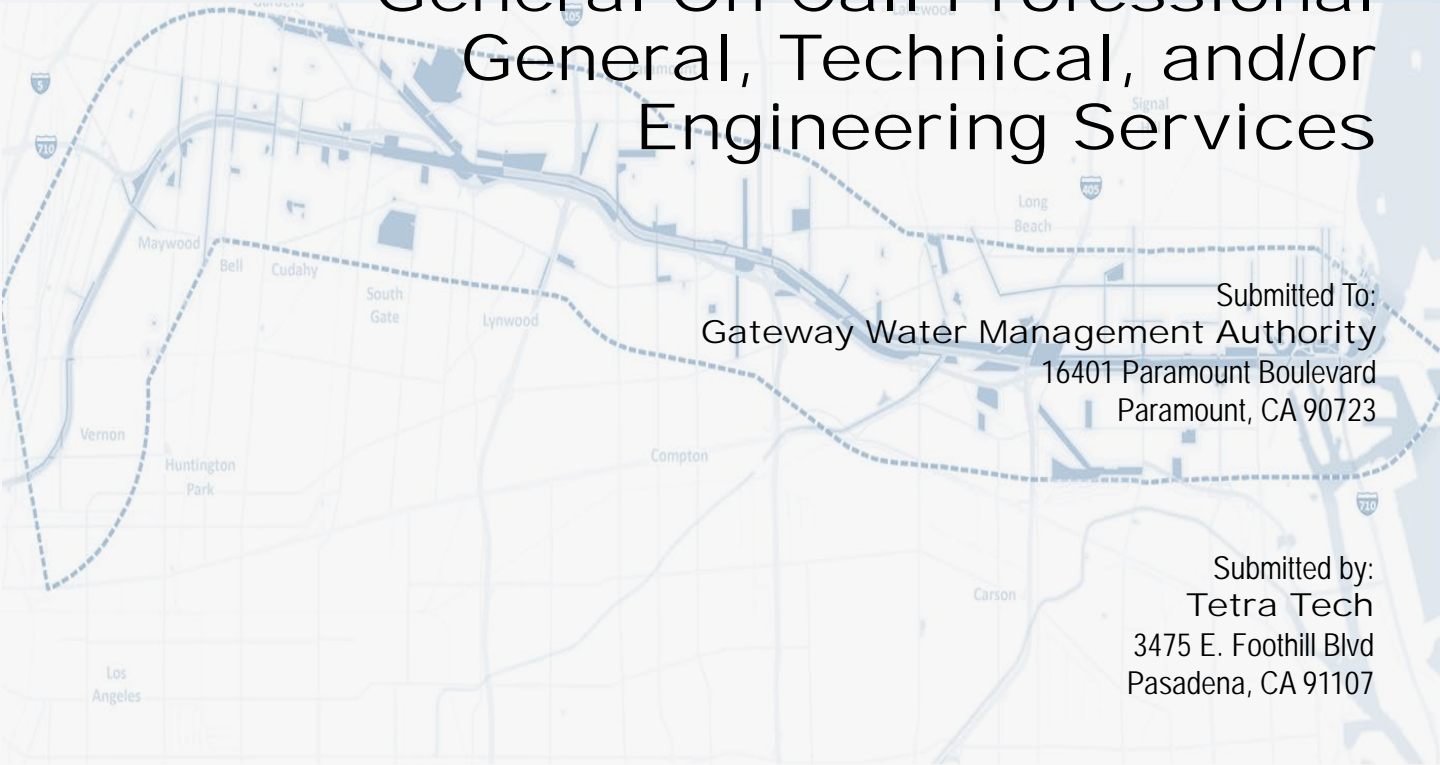
By: _____
Name: _____
Title: _____

(Please note: Two signatures required for corporations pursuant to California Corporations Code Section 313.)



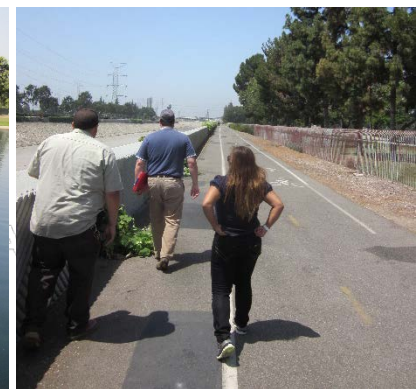
August 21, 2017

Statement of Qualifications for General On-Call Professional General, Technical, and/or Engineering Services



Submitted To:
Gateway Water Management Authority
16401 Paramount Boulevard
Paramount, CA 90723

Submitted by:
Tetra Tech
3475 E. Foothill Blvd
Pasadena, CA 91107





August 21, 2017

Ms. Bibi Weiss
Gateway Water Management Authority
16401 Paramount Boulevard
Paramount, CA 90723

Reference: STATEMENT OF QUALIFICATIONS FOR GENERAL ON-CALL PROFESSIONAL GENERAL, TECHNICAL, AND/OR ENGINEERING SERVICES

Dear Ms. Weiss:

Tetra Tech appreciates the opportunity to submit our Statement of Qualifications to provide engineering and consulting services on an "on-call" basis for supporting the regional watershed planning and implementation activities to Gateway Water Management Authority (GWMA) for its members, comprised of 25 cities and 4 water agencies. We understand the GWMA primary goals and objectives include addressing water-dependent natural resource needs, protecting and enhancing water quality, optimizing water supply reliability, promoting integrated water resource management, and managing flood risk and water quality impacts.

Tetra Tech has assembled a project team of experts to address the various needs for professional engineering services in the areas of water resources management, analysis, green infrastructure, and infrastructure design. Our project team will be led by **Oliver Galang** who will serve as your Program Manager. **Chad Helmle** will serve as Principal-in-Charge and also as Quality Assurance/Quality Control Manager for all work products.

Our unique approach will include the following key elements:

- **Experienced Leadership Team.** Our Project Manager, Oliver Galang, is a proven leader in planning, design, construction, and program management of multi-million dollar municipal capital improvement projects, programs, and on-call contracts, specifically in water resources and stormwater infrastructure throughout Los Angeles County. He is leading the development of the Lower Los Angeles River Revitalization Plan, which addresses many of the unique challenges of the GWMA member agencies.
- **Unequaled Stormwater Technical Services Capabilities.** Tetra Tech is the only team who has modeled and designed numerous regional BMPs for our clients throughout the Los Angeles region to make progress towards meeting EWMP or WMP goals. No other team in the region has designed more of these types of projects.
- **Local, and Almost Entirely Tetra Tech Staffing.** Our proposed team, comprised almost entirely of Tetra Tech staff, is able to perform all of the required professional services stated in the request for statement of qualifications. This not only demonstrates that our staff have the necessary qualifications and experience to support the GWMA, but it allows for unparalleled cost control of technical services, which are always passed on to the benefit our client.

As Principal-in-Charge, I would like to emphasize the fact that we have assembled this team specifically for this contract because they have technical expertise in providing professional, general, technical, and engineering services to your member agencies. I strongly encourage you to contact our project references, including Lisa Rapp at the City of Lakewood and Kristen Ruffell at the Sanitation Districts of Los Angeles County, for whom we have recently worked on complex regional stormwater BMP project designs. We look forward to demonstrating unmatched professionalism, tested leadership, and superb technical fluency as we help this group implement a top-notch program for the GWMA.

Should you have any questions, please contact our Program Manager, Oliver Galang at 626.470.2423 or oliver.galang@tetrattech.com.

Sincerely,

A handwritten signature in black ink, appearing to read 'Chad S. Helmle'.

Chad S. Helmle, PE
Vice President

A handwritten signature in black ink, appearing to read 'Oliver D. Galang'.

Oliver D. Galang, PE ENV SP, QISP, QSD/P
Project Manager

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3. COMPANY QUALIFICATION

Tetra Tech, Inc., established in 1966 and headquartered in Pasadena, California, is a leading full service provider of consulting, engineering, program management, construction management, and technical services focusing on resource management, infrastructure, and the environment. Our firm offers a wide range of services provided by our 16,000 employees in over 300 offices around the world, including 20 offices throughout California. We typically begin at the earliest stage of a project, bringing a scientific perspective to evaluate problems and developing solutions tailored to our clients' needs and resources. Our solutions can span the entire life-cycle of the project and include applied science, research and technology, environmental compliance, engineering, design, construction management, construction, operations and maintenance, and information technology.

Our firm consistently ranks among the top engineering firms annually according to *Engineering News-Record* (ENR), a highly regarded industry news magazine. Tetra Tech has been ranked by ENR as No. 1 in Water for 14 years in a row and the No. 5 Design Firm (among Top 500 Design Firms). We have achieved our success by being selective with the projects we pursue and ensuring that our team capabilities meet or exceed the project's requirements.

As demonstrated throughout the remainder of this proposal, the Tetra Tech team has the technical skills, proven experience, and staff capacity to successfully support GWMA with any general, technical, or engineering service they might need to support their regional watershed planning and implementation activities. Tetra Tech represents the foremost multidisciplinary group of technical and professional staff offering GWMA extensive experience working together and a comprehensive knowledge of water resources opportunities, water quality analyses, modeling, and designing and executing similar types of projects.

The Tetra Tech team brings experience with the local water resource environment, supporting multiple jurisdictions in Southern California. Recently, Tetra Tech provided the following services for the GWMA agencies.

- *LA River Upper Reach 2 Watershed Management Program Feasibility Study.* Tetra Tech prepared the feasibility study for 6 regional BMP projects for the Cities of Bell, Bell Gardens, Commerce, Huntington Park, Maywood, and Vernon. Tetra Tech's collaborative approach to the development of this study resulted in the developing a significantly more cost effective program of projects for the watershed.
- *AB 530 Lower Los Angeles River Revitalization Plan.* Tetra Tech is developing a visionary community-based plan for enhancements to the Lower Los Angeles River from the City of Vernon to the river outlet in Long Beach. Tetra Tech's efforts will result in an innovative strategy focused on addressing multiple community priorities including water resources, public recreation, habitat, and community sustainability.
- *Lakewood Stormwater Capture Projects.* Tetra Tech is providing design services to the City of Lakewood to develop and implement their two major stormwater BMP projects at Bolivar Park and Mayfair Park. With a combined budget of \$26 million, Tetra Tech's innovative approach to addressing multiple project benefits include water supply, water quality, and sustainability.

In addition to the technical skills and experience, Tetra Tech provides a proven track record of success in managing on-call contracts, including for several local Southern California agencies. It is our commitment to provide the right staff and resources to ensure we can provide excellent support and high-quality products for any



project that might arise, within the required timeframe and budget. We have dedicated a core group of professionals who will be available throughout the duration of the contract. Each of these staff members has a personal history of providing support on similar projects throughout Southern California. The Tetra Tech team also has access to dozens of additional staff to add capacity and specialty skills as needed.

We have selected the following highly qualified teaming partners who complement Tetra Tech's skills and qualifications with specialized experience and enhance our capabilities to support GWMA across the full Scope of Services. Our teaming philosophy is to provide our clients access to staff who are the experts in their fields and to partner with firms who share our commitment to high-quality customized support. More details on each of our partners is provided in Section 9, as requested in the RFQ.



MNS Engineers, Inc., will support grant writing and management as well as IRWM-related programs and activities. With roots dating back well over 100 years, MNS has long been a cornerstone of the community in Santa Barbara, CA. Incorporated in 1962, MNS was formed by the merger of three well-established firms and today is a multi-service infrastructure consulting firm, specializing in civil engineering, construction management, and land surveying services. MNS has a proven track record and a profound commitment to bettering California's local communities and has become an industry leader with an ever-expanding presence in California. To better serve its clients, MNS operates branch offices in Buellton, San Luis Obispo, San Jose, Salinas, Westlake Village, Pasadena, and Long Beach. MNS fully understands local water issues affecting GWMA, such as groundwater adjudication in the Central Basin, IRWM governance and policy, recycled and advanced treatment water projects, and the nexus between stormwater capture for water supply and MS4 Permit compliance for GWMA's municipal members. MNS's Project Manager, Greg Jaquez, once served as Los Angeles County's legislative program manager on water, bringing the team a comprehensive understanding of regional water policy issues. MNS also serves as an on call engineering consultant to WRD and part of the GRIP team, providing the ability to draw connections between program and project needs and grant opportunities.







Avant-Garde will provide expert support for grant writing. Located in Pomona, CA, Avant-Garde was incorporated in September 2002 and is a 100% woman-owned California Corporation and a certified minority business enterprise, women business enterprise, disadvantaged business enterprise and small business enterprise. (MBE, WBE, DBE, SBE). Their primary staff has more than 60 years of combined experience in grant writing and has secured more than \$109 million in competitive grant funds for local communities throughout Los Angeles, San Bernardino, and Riverside Counties. They have a successful record of achievement in providing grant research, grant application development, grant fund administration, project management, and strategic planning to clients over the years. Avant-Garde specializes in government funding and grant sources with requirements ranging from basic applications and documentation to competitive project submittals. They have extensive experience working with regional transportation agencies as well as state and federal agencies administering grant programs. They can assist in determining eligible projects, provide advisement of program requirements and are available to prepare and administer the program as required by the funding agencies. Avant-Garde's extensive Southern California experience includes securing more than \$23 million in grants for GWMA member cities.



Richard Watson & Associates, Inc. Richard Watson will provide leadership for Regional Planning Grants and Grant Writing and Implementation support for the GWMA member agencies. Richard Watson is President of Richard Watson & Associates, Inc., an urban and regional planning firm based in Mission Viejo. He is a geographer/planner with 40 years of professional planning experience, including over 23 years in the development and implementation of the stormwater quality program in California.



Value of the Tetra Tech Team to GWMA

Benefit	Approach
<p><i>Local Expertise</i></p> <div style="display: flex; align-items: center;">  <p>Our team has a deep understanding of local water quality regulations and requirements.</p> </div>	<ul style="list-style-type: none"> ✓ <i>Our team will leverage our experience with and knowledge of water resource opportunities, water quality regulations to support the needs of the GWMA agencies</i>
<p><i>Unequaled Water Resources Technical Services Capabilities</i></p> <div style="display: flex; align-items: center;">  <p>Tetra Tech is the team who conducted the analysis for the Los Cerritos Channel Watershed and the Lower Los Angeles River Watershed. We are the only team who have successfully designed and implemented more regional BMPs than any other firm.</p> </div>	<ul style="list-style-type: none"> ✓ <i>Our team understands the water resource goals and needs of the GWMA</i> ✓ <i>Our team will employ state-of-the-art modeling tools to develop the most cost-effective designs for watershed projects.</i> ✓ <i>Our team will also quantify pollutant load reductions and effectively communicate this progress to the regulators, leveraging a long history of trust with the regional board.</i>
<p><i>Proven Responsiveness</i></p> <div style="display: flex; align-items: center;">  <p>The Tetra Tech has successfully completed the optimization of 6 regional BMPs identified for the LA River Upper Reach 2 Agencies and providing design services for projects funded through Caltrans Cooperative Implementation Agreements.</p> </div>	<ul style="list-style-type: none"> ✓ <i>Tetra Tech will work cooperatively with the City to ensure that the project goals and objectives are met for the various GWMA agencies.</i> ✓ <i>Our team will work with the GWMA, its member agencies, and staff, to address their various needs.</i>
<p><i>Local, and almost entirely Tetra Tech Staffing</i></p> <div style="display: flex; align-items: center;">  <p>The Tetra Tech team has several offices to serve GWMA with access to multiple resources and extensive stormwater experience.</p> </div>	<ul style="list-style-type: none"> ✓ <i>Tetra Tech will be responsible and readily accessible to meet your water resource technical needs from our local Pasadena Headquarters.</i> ✓ <i>Tetra Tech has built a deep bench of local, talented staff who are uniquely experienced in development of these types of BMPs.</i>

4. DISCIPLINE SPECIFIC EXPERIENCE

Tetra Tech has experience in all areas of the Scope of Services and is excited to support GWMA with any need that might arise. Section 4.1 provides a brief summary of our experience in the scope of services areas, and Section 4.2 provides short summaries of similar projects to demonstrate our practical experience across the scope of services. Table 4.1 presents a summary of Tetra Tech’s experience in the Scope of Services. Each of the projects listed as examples of relevant work are further described in Section 4.2.

EXPERIENCE IN THE SCOPE OF SERVICES

Table 4-1 summarizes the Tetra Tech team’s experience relevant to the Scope of Services area, including years of experience in each area, examples of related work, and whether work has been provided for municipalities or water agencies. All of our team members have multiple years support municipalities and water agencies throughout Southern California with similar projects.

Table 4-1. Summary of Tetra Tech Team Years of Experience in the Scope of Services

Project Component	Tetra Tech	Richard Watson & Associates	MNS Engineering	Avante Garde	Combined Years of Experience	For a Municipality or Water Agency?	Example Projects
TASK 1: Feasibility Study and Reports	115				115	Both	LA River Upper Reach 2 Feasibility Study Lakewood SW Capture Project, Phase 1 Carson Water Capture Project, Phase 1
TASK 2: Project Management	100				100	Both	LA River Upper Reach 2 Feasibility Study Lakewood SW Capture Project, Phase 1 Carson Water Capture Project, Phase 1
TASK 3: Watershed Projects	90				90	Both	LA River Upper Reach 2 Feasibility Study Lakewood SW Capture Project, Phase 1 Carson Water Capture Project, Phase 1
TASK 4: Bid Documents and Plans	40				40	Both	Bolivar Park Water Capture Project Santa Monica CBI Project at Pier and Pico-Kenter
TASK 5: Regional Planning Grant	22	20	25	48	95	Both	South Orange County IRWMP
TASK 6: Grant Writing and Implementation	53	20	35	42	130	Both	Bolivar Park Water Capture Project Santa Monica CBI Project at Pier and Pico-Kenter
TASK 7: Strategic and Local Regional Planning	30	20	20		50	Both	AB 530 Lower LA River Revitalization Plan South Orange County IRWMP
TASK 8: GIS Mapping and Management	25				25	Both	AB 530 Lower LA River Revitalization Plan South Orange County IRWMP
TASK 9: Environmental Planning (CEQA/NEPA)	50				50	Both	Carson Water Capture Project Bolivar Park Water Capture Project
TASK 10: IRWMP Updates and Listing	20	20	10		30	Both	South Orange County IRWMP

DEMONSTRATED PROJECT EXPERIENCE

Table 4-2 presents select project examples that demonstrate the Tetra Tech team’s experience across the Scope of Services. Project summaries following the table provide additional details and highlight the team’s relevant experience throughout the Los Angeles Region. The staff who have been committed to working with GWMA have been hand-picked based on their experience working on the projects included in this section.

Table 4-2. Relevance of Tetra Tech’s Project Examples to the Scope of Services

Project	For a Municipality or Water Agency?	Feasibility Study and Reports	Project Management	Watershed Projects	Bid Documents and Plans	Regional Planning Grant	Grant Writing and Implementation	Strategic and Local Regional Planning	GIS Mapping and Management	Environmental Planning and Permitting (CEQA/NEPA)	IRWMP Updates and Listing
Los Angeles River Upper Reach 2 Watershed Management Program Feasibility Study	Yes	●	●	●					●	●	
Water Capture Project at Carriage Crest Park, Carson, CA	Yes	●	●	●	●		●			●	
Bolivar Park Stormwater and Runoff Capture Project, Lakewood, CA	Yes	●	●	●	●		●		●	●	
Mayfair Park Stormwater and Runoff Capture Project, Lakewood, CA	Yes	●	●	●	●		●		●	●	
TMDL Compliance Plan for Los Cerritos Watershed Sub-basin 4 Project, Signal Hill, CA	Yes	●	●	●				●	●		
AB 530 Lower LA River Revitalization Plan	Yes	●	●	●		●		●	●		
Los Angeles Area EWMPs and WMPs	Yes	●	●	●		●		●	●		
Clean Beaches Initiative Project at the Pier and Pico-Kenter Watersheds, Santa Monica, CA	Yes	●	●		●		●			●	
South Orange County Integrated Regional Water Management and Floodplain Management Plan	Yes	●	●	●		●		●	●		●
Safe Drinking Grant Support, Water Replenishment District of Southern California (MNS)	Yes					●	●	●			
Orange County Stormwater Resources Plan	Yes	●	●	●				●	●		●

Los Angeles River Upper Reach 2 Watershed Management Program Feasibility Study

Client: City of Commerce, CA, Planning Division

Project dates: June 2016 – April 2017

Key staff from proposed team: Oliver Galang, Project Manager; Chad Helmle, Water Resources Manager; Jason Wright, Deputy Project Manager; Jason Fussel, Project Engineer

The Los Angeles River (LAR) Upper Reach 2 (UR2) Watershed Management Area (WMA), consisting of the Los Angeles County Flood Control District (LACFCD) and the Cities of Bell, Bell Gardens, Commerce, Cudahy, Huntington Park, Maywood and Vernon, is a highly urbanized 14,216 acre watershed. The WMA cities lie exclusively within the Los Angeles River Watershed, and each agency discharges to Reach 2 of the LAR. Reach 2 is a concrete-lined river channel with year-round flows comprised primarily of treated wastewater. The Cities of Bell Gardens and Commerce also drain southeast to the normally dry concrete-lined Rio Hondo tributary channel.



The LAR UR2 Reasonable Assurance Analysis (RAA) and Watershed Management Program (WMP) identified six regional BMP projects, estimated to cost a total of \$210 million with an additional \$90 million in residential and commercial LID street renovations that may need to be implemented over the next two decades to achieve permit numeric limits. Tetra Tech conducted a feasibility study for the six structural regional BMP projects to address the water quality limits as set forth in the WMP. The project feasibility study consolidates the evaluation and analysis of each site with all site investigation, hydrology and water quality analysis and summarizes the process for project implementation. The six projects locations are: John Anson Ford Park, Bell Gardens; Randolph Street Green Rail Trail, Huntington Park, Maywood, and Bell; LADWP Transmission Easement, Vernon; Rosewood Park, Commerce; Lugo Park, Cudahy; and Salt Lake Park, Huntington Park.

Water Capture Project at Carriage Crest Park, Carson, CA

Client: Sanitation Districts of Los Angeles County

Project dates: September 2016 – Present

Key staff from proposed team: Oliver Galang, Project Manager; Chad Helmle, Water Quality Manager; Jason Fussel, Design Lead; Merrill Taylor, Water Quality Analysis; Brad Wardynski, Water Resources Lead

Carriage Crest Park was identified in the Dominguez Channel Watershed Management Group EWMP as a high priority site for a regional stormwater capture project due to its proximity to two large storm drains with a total drainage area exceeding 1,100 acres. This area discharges into Wilmington Drain which subsequently discharges into Machado Lake. The overarching objective of the project is to improve the quality of Machado Lake by eliminating dry-weather runoff and reducing wet-weather pollutant loading.

The City of Carson entered into a Cooperative Implementation Agreement (CIA) with Caltrans to fund the Carson Water Capture Project at Carriage Crest Park. The City of Carson entered into a subsequent agreement with the Sanitation Districts of Los Angeles County (LACSD) to manage the project.



Tetra Tech developed the preliminary engineering design report which included the analysis and developed innovative water use and treatment scenarios including (1) diversion to the sanitary sewer for treatment at the adjacent Joint Water Pollutant Control Plant (JWPCP), (2) onsite non-potable use to offset potable water demand, and (3) onsite filtration using a subsurface filter media bed. The project consists of the following components.

- Storm Drain diversion at a rate of 30 cubic feet per second (cfs),
- 11 acre-feet of subsurface storage under the existing ballfields, and
- Pump Station to discharge to the sanitary sewer at a maximum rate of 20 cfs when capacity is available.

Tetra Tech is also preparing the detailed design drawings, cost estimates, and specifications for the pre-cast structures package and for the construction of the regional stormwater BMP facility.

Bolivar Park Stormwater and Runoff Capture Project

Client: City of Lakewood, CA, Public Works

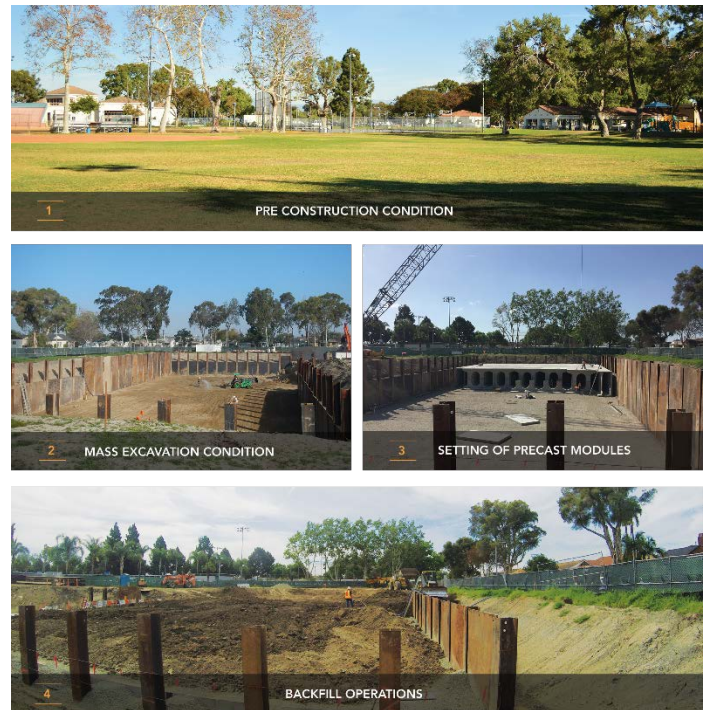
Project dates: September 2015 – Present

Key staff from proposed team: Oliver Galang, Project Manager; Chad Helmle, Water Resources Leader; Merrill Taylor, Water Quality Leader; Jason Fussel, Design Manager; Jeremy Hohnbaum, Civil Designer

As a major step towards implementing the Los Cerritos Watershed Management Plan, the City of Lakewood is implementing what is considered the first, “smart regional stormwater BMP”. The project consists of an air-inflated rubber dam diversion system to re-direct all urban runoff and stormwater runoff from the Del Amo channel through a pre-treatment system to remove trash, debris, and sediment. A pump station and drainage pipeline will convey the water into a large, buried multi-chambered storage/infiltration facility. The stormwater collected in the underground reservoir will be treated and used to irrigate the park’s landscaped areas. Weather conditions and the facility will be monitored through a secured cloud-based system.

Tetra Tech developed the Preliminary Engineering Design Report in 3 months. Full Design and Bid Documents were completed in 8 months. Tetra Tech also assisted with the LACFCD Grant of Easement and Use Agreement, and all of the regulatory permits including the Corps of Engineers, Los Angeles Regional Water Quality Control Board, California Department of Fish and Game, and Los Angeles County Public Health. We are currently providing design support services during construction of the facility.

This project, at a cost \$11 million, is funded through a cooperative implementation agreement between the City of Lakewood and the State of California Department of Transportation.



Mayfair Park Stormwater and Runoff Capture Project

Client: City of Lakewood, CA, Public Works

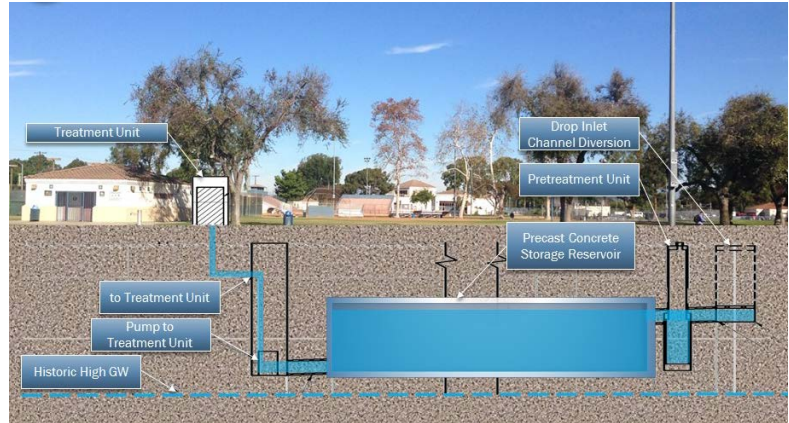
Project dates: September 2015 – Present

Key staff from proposed team: Oliver Galang, Project Manager; Chad Helmle, Water Resources Leader; Merrill Taylor, Water Quality Leader; Jason Fussel, Design Manager; Jeremy Hohnbaum, Civil Designer

This “smart regional stormwater BMP” is the next major step towards implementing the Los Cerritos Watershed Management Plan for the City of Lakewood. The project consists of an air-inflated rubber dam diversion system to re-direct all urban runoff and stormwater runoff from the Clark Channel through a pre-treatment system to remove trash, debris, and sediment. A drainage pipeline will convey the water into a large, buried multi-chambered storage and filtration facility. The stormwater collected in the underground reservoir will be treated and used to

irrigate the park’s landscaped areas. The system will monitor the weather conditions and the facility through a secured cloud-based system.

Tetra Tech conducted the geotechnical investigation to evaluate infiltration wells to enhance the potential for infiltration to the groundwater aquifer. After a detailed evaluation of these alternatives, Tetra Tech developed an approach that incorporates a filtration BMP, stormwater harvesting use, and potential for sanitary sewer discharge for operating and managing the regional BMP facility. Tetra Tech is preparing the detailed design drawings, engineers cost estimate, and construction specifications for a 14 acre-foot facility.



This project, at a cost \$14 million, is funded through a cooperative implementation agreement between the City of Lakewood and the State of California Department of Transportation.

TMDL Compliance Plan for Los Cerritos Watershed Sub-basin 4 Project

Client: City of Signal Hill, CA, Public Works

Project dates: November 2015 – Present

Key staff from proposed team: Tim Joyce, Project Manager; Chad Helmle, Water Quality Technical Manager; Merrill Taylor, Water Quality Analysis

The Los Cerritos Channel Watershed is an urbanized watershed comprising approximately 17,700 acres. A Total Maximum Daily Load (TMDL) for metals was developed for the Los Cerritos Channel watershed, the watershed was divided into ten sub-watersheds ranging in size from approximately 305 acres to 3,720 acres. This project addresses the TMDL Compliance Plan for Sub-Basin 4 of the Los Cerritos Channel, which is an area consisting of 2,200 acres located within the northern section of City of Signal Hill (City), the City of Long Beach near the airport, and Caltrans I-405 freeway right-of-way. The City of Signal Hill received funding through Caltrans Stormwater



Program’s Compliance Units Cooperative Implementation Agreement for this project. Tetra Tech is developing a comprehensive TMDL Compliance Plan for Los Cerritos Channel Sub-Basin 4 Drainage Area that will consider the TMDL wasteload allocations and the NPDES Permit Water Quality Based Effluent Limitations. In addition, Tetra Tech is developing a Basis of Design Report to assist with the design-build solicitation package for regional project within the sub-basin 4 drainage area adjacent to the Skylinks Golf Course in Long Beach. The Basis of Design Report will incorporate BMP optimization tools for diversion rates, BMP dimensions, and estimated pollutant load reductions. In addition, Tetra Tech will conduct model simulations to estimate the performance improvement of the BMP as a result of incorporating active controls as part of the BMP design. This has the potential ultimately reduce the need for additional future capital improvement projects in the upstream watershed to meet the remaining pollutant load reduction needs for the City.

AB 530 Lower LA River Revitalization Plan

Client: Los Angeles County, CA, Department of Public Works

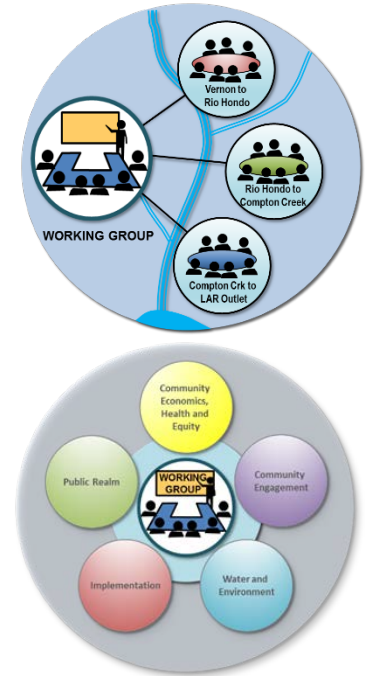
Project dates: May 2016 – Present

Key staff from proposed team: Oliver Galang, Project Manager; Chad Helmle, Water Resources Manager; Jaime Sayre, Deputy Project Manager; Brad Wardynski, Water and Environment Lead

Tetra Tech is guiding the development of a revitalization plan for the Lower Los Angeles River from near 26th street in Vernon to the outlet in Long Beach, a total of river length of 19 miles. The plan is being developed in response to California Assembly Bill 530 (AB530), which requires the creation of the Lower Los Angeles River Working Group (Working Group) and the development of a community-based watershed revitalization plan that addresses the unique and diverse needs of the Lower Los Angeles River and the communities.

Tetra Tech is responsible for leading a diverse team of planners, landscape architects, scientists, and community organizations to develop an innovative plan that is a community-centric, watershed-based revitalization plan. Such an endeavor requires seamless integration of two primary elements of this plan: (1) robust community engagement and (2) thorough technical analysis to ensure the implementation viability of the Plan. To address the myriad interdependent technical challenges, a multi-disciplined team is developing and analyzing the impacts of proposed revitalization activities, including river hydraulics, flood control, water quality, water supply, environment and habitat, active transportation, land use, and others. It is imperative that these technical analyses are designed to serve the Working Group’s objectives by answering key questions, helping to align project ideas with watershed-based planning objectives, and ensuring that project concepts are packaged into multi-benefit bundles that are ideally suited for funding.

To provide a focused strategy to address the multitude of priorities and needs of the river, Tetra Tech is guiding the Working Group members using a matrix approach through participation in the Plan Element Committees and the geographic-based River Segment Committees. This innovative approach to address the multitude of issues for revitalization will create the environment for developing a consensus approach to watershed-based planning.



Development of Watershed Management Programs (WMPs) and Enhanced WMPs (EWMPs)

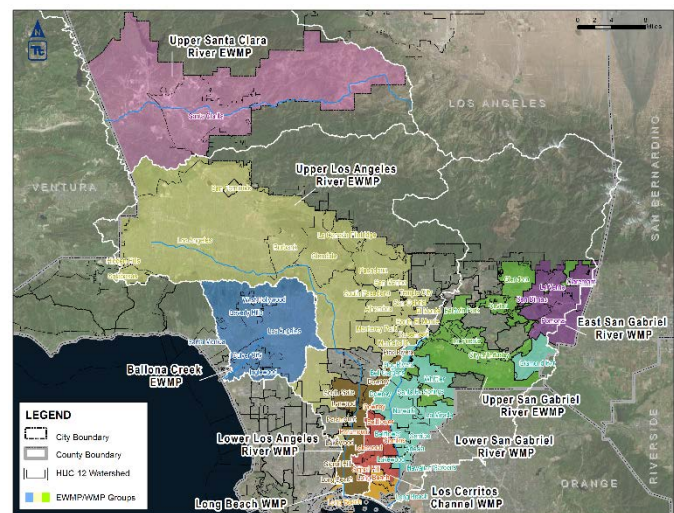
Client contact: Various throughout Los Angeles region

Project dates: August 2013 – August 2015

Key staff from proposed team: Chad Helmle, Water Resources Manager; Merrill Taylor, BMP Concepts and Modeling; Brad Wardynski, Water Quality Modeling; Jason Wright, BMP Design

Development of WMPs for East San Gabriel, Lower LA River, Lower San Gabriel, Los Cerritos Channel, Long Beach Watershed Management Groups. Tetra Tech supported these projects that involved five watershed management groups and 29 jurisdictions across greater Los Angeles County. The WMPs provide each jurisdiction a prescriptive strategy for compliance with multiple TMDLs. Specific efforts included innovative watershed-wide representation and modeling of potential green infrastructure opportunities. Schedules were developed to guide compliance with water quality waste load allocations under wet- and dry-weather conditions.

Development of EWMPs for Upper LA River, Upper Santa Clara River, Upper San Gabriel River Watershed Management Groups. Supporting these projects that involve four watershed management groups and 30 jurisdictions across greater Los Angeles County. The EWMPs will provide a collaborative and prescriptive strategy for compliance with multiple TMDLs while also identifying opportunities for enhanced,



interagency projects promoting water quality improvement, water supply augmentation, and community services/co-benefits. Specific efforts include composition of a BMP characterization memo with conceptual BMP diagrams and fact sheets for a general audience; compilation, analysis, and geo-referencing of all reported existing and planned BMPs across the four watershed management groups; identification, realistic characterization, modeling, and optimization of potential network of institutional, regional, and green infrastructure projects; prioritization, geotechnical investigation, and conceptual design of multi-benefit regional stormwater projects, including options for local water supply augmentation through capture and use; targeted project scheduling to meet specific compliance milestones; and development of life-cycle cost estimates for program implementation.

Clean Beaches Initiative Project at the Pier and Pico-Kenter Watersheds, Santa Monica, CA

Client: City of Santa Monica, CA, Public Works, Civil Engineering Department

Project dates: July 2016 – Present

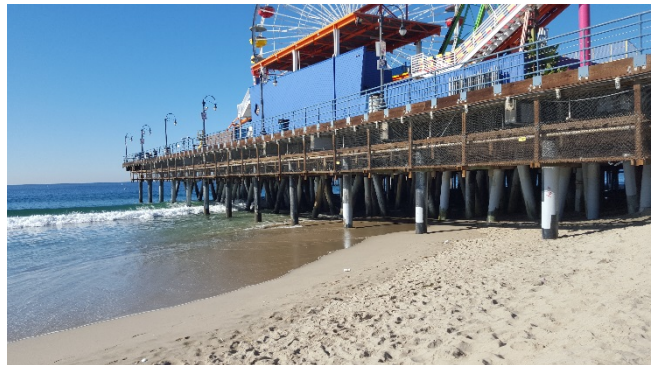
Key staff from proposed team: Oliver Galang, Project Manager; Chad Helmle, Water Quality Manager; Jason Fussel, Design Lead; Merrill Taylor, Water Quality Analysis

Tetra Tech designed the Clean Beaches Initiative Project for the Pier and Pico-Kenter Drainage Basins. This project, on behalf of the City of Santa Monica, is a major effort to improve beach water quality from storm water runoff and increase the City's drought resiliency. Wet-weather flows would be treated and diverted from the Pier watershed to the Santa Monica Urban Runoff Recycling Facility (SMURRF) or the sanitary sewer. This project proposes storm drain diversion and runoff storage systems at two separate storm drain outfalls.

At the Santa Monica Pier storm drain, the project components consist of a flow diversion structure to direct stormwater and urban runoff from the 106-acre Pier watershed into a subsurface facility beneath the Deauville parking lot site. The subsurface storage facility will have a storage capacity of 1.6 million gallons. The stored water within the facility would be pumped to SMURRF and distributed for non-potable uses or the sanitary sewer. Additionally, the Deauville site will be improved with a new parking lot that will be consistent with the City's Zoning and Municipal Code, which may require parking lot lighting, permeable pavement, and landscaping.

At the Pico-Kenter storm drain, the project components consist of a diversion structure to divert 80,000 gallons of the "first flush" stormwater runoff for treatment at SMURRF and distributed for non-potable uses. A portable pump will also be provided to drain the post-storm event pond that forms downstream of the outfall at the beach.

The total cost for design and construction of the regional project is estimated at \$8 million. This project is funded by the State Water Resources Control Board (SWRCB) Proposition 40 Clean Beaches Program, with a local match from the City Clean Beaches and Oceans Parcel Tax Fund.



South Orange County Integrated Regional Water Management and Floodplain Management Plan

Client: County of Orange, CA, Public Works

Project dates: June 2012 – October 2013; February 2016 – June 2016

Key staff from proposed team: Steve Parker, Project Manager

Tetra Tech supported Orange County in the 2013 update to the Integrated Regional Water Management Plan (IRWMP), including the three major tasks of the Plan update, development of the Floodplain Management Plan, and the Climate Change Analysis.

Strategies were developed by the local working group to meet the regional priorities of the South Orange County Management Plan identified in the IRWMP. Tetra Tech developed a Prioritization Tool so that individual project proponents could rate their projects based on the established goals-objectives-strategies. Based on funding available through the State Proposition 84 IRWMP Implementation Program, the top rated projects were combined into a single portfolio and a grant application was submitted to the state.

The foundation of the Floodplain Management Plan is an understanding of the flood managers (County and Cities in the South Orange County IRWM region) and managers at the water agencies responsible for flood response within the South OC IRWM region. Tetra Tech developed a matrix of responsibilities that identified points of integration and/or collaboration and supported workshops with the flood managers to present an overall picture of the current process of coordinating flood risk management across the region and brainstorm the drivers that limit integration and the opportunities for improvement. Tetra Tech prepared a preliminary Flood Risk Assessment using HAZUS data to prioritize those areas with the highest risk of impact to human life and property. This Flood Risk Assessment is used to prioritize areas for improved flood risk management and has been incorporated into the Floodplain Management Plan.

Tetra Tech conducted the Climate Change Analysis based on requirements in the August 2010 Guidelines for IRWM plans. The analysis addressed both adaptation to the effects of climate change and mitigation of greenhouse gas (GHG) emissions and focused on the potential effects of climate change on Orange County.

Safe Drinking Water Program (MNS)

Client contact: Water Replenishment District of Southern California

Project dates: Present

Key staff from proposed team: Greg Jaquez, Project Manager

MNS provides on-call engineering services to the Water Replenishment District (WRD) of Southern California. WRD has implemented its own Safe Drinking Water Program on behalf of the water agencies that are producers from the Central Basin and West Coast Basin. As WRD’s on-call engineer, MNS prepared feasibility studies detailing project concepts to address water quality concerns at wells owned and operated by the Cities of Compton and Huntington Park. WRD used these feasibility studies to submit applications for Proposition 1 Groundwater Grants.

Orange County Stormwater Resources Plan

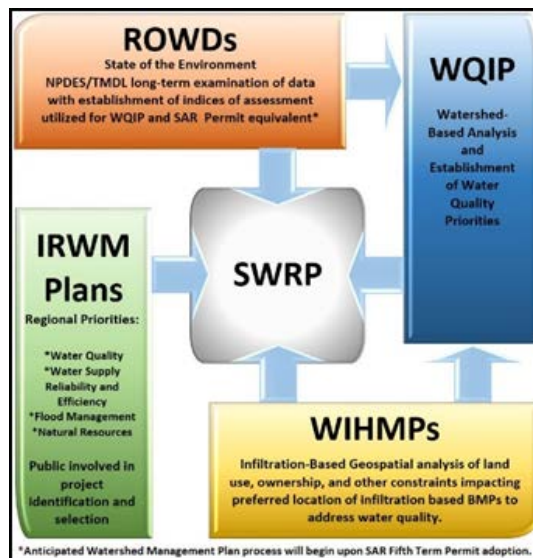
Client: County of Orange, CA, Public Works

Project dates: February 2016 – December 2016

Key staff from proposed team: Steve Parker, Project Manager; Martina Frey, Project Scientist

Tetra Tech supported Orange County in the 2016 creation of the Stormwater Resources Plan (SWRP), representing a collection of functionally equivalent documents and previous planning efforts conducted by the Plan Agencies to meet compliance with NPDES, TMDL and IRWM state planning standards. Tetra Tech, with guidance from the County, assisted in assembling, distilling, and tying the various programs into a holistic document that represented the County’s efforts to address all stormwater management aspects.

Documents included in the OC SWRP to meet functional equivalency collectively balance watershed priorities, including water quality, water supply and efficiency, flood management and natural resource protection. These included the South Orange County WQIP, Report of Waste Discharge State of the Environment Reports for the Santa Ana and San Diego Regions of Orange County (ROWDs), and Integrated Regional Watershed Management Plans (IRWM Plans). The primary intent of the OC SWRP however was to prioritize stormwater and dry weather



runoff projects. Tetra Tech developed a project identification and prioritization system with project description forms completed by project proponents to be included in the SWRP for submittal to the state for grant funding.

Finally, the SWRP as a whole had to identify and describe the watersheds targeted by the OC SWRP, including water quality priorities, physical water and land features, and water supply issues. Water quality compliance was detailed as well as emphasizing the organization, coordination, and collaboration among agencies in the County. Implementation strategies and schedules were determined as well as the means for public education, outreach, and participation. The SWRP followed strict guidelines put out by the state and identified each requirement in the document with a summary of how the requirement was met and the relevant reference document identified by section and page number to meet full compliance.

5. CLIENT REFERENCES

Table 5-1. Client References for Similar Services Provided by Tetra Tech within the Last 5 Years

Client Contact Name, Phone, Email	Key Highlights of Client Relationship
<p>City of Lakewood, CA: Lisa Rapp, Director of Public Works, 562.866.9771 x2500, lrapp@lakewoodcity.org</p>	<ul style="list-style-type: none"> • City Project Manager for Bolivar Park and Mayfair Park Water Capture Projects • Caltrans-funded projects through the Cooperative Implementation Agreement • Time-constrained projects require close coordination with the LA County Flood Control District
<p>Sanitation Districts of Los Angeles County: Kristen Ruffel, Tech Services/Water Quality Manager, 562.908.4288 x2826, kruffell@lacsdsd.org</p>	<ul style="list-style-type: none"> • Project Lead for the Carson Carriage Crest Park Stormwater Capture Project • Coordinator for stormwater and sanitary sewer discharge by municipal clients per AB 485 • Time-constrained project
<p>City of Carson, CA: Maria Slaughter-Williams, Director of Public Works, 310.952.1754, mslaught@carson.ca.us</p>	<ul style="list-style-type: none"> • Director of Public Works for the Carson Carriage Crest Park Project • Caltrans-funded projects through the Cooperative Implementation Agreement
<p>City of Santa Monica, CA: Selim Eren, Project Manager, 310.458.2200, Selim.Eren@smgov.net</p>	<ul style="list-style-type: none"> • Project Manager for the State-funded CBI Project at the Pier and Pico-Kenter Watersheds • Time-constrained project that Tetra Tech accelerated delivery
<p>City of Commerce, CA: Gina Nila, Stormwater Program Manager, 323.722.4805 x2839, GinaN@ci.commerce.ca.us</p>	<ul style="list-style-type: none"> • Project Manager for the Gateway Cities Watershed Authority • Developed five individual stormwater concepts for the LA River Watershed
<p>City of Los Angeles, Bureau of Sanitation: Vivian Marquez, Environmental Supervisor, Watershed Protection Division, 213.485.3928, Vivian.Marquez@lacity.org</p>	<ul style="list-style-type: none"> • Design-Build project to meet implementation deadlines for the City's 25 automated sampling stations required under the Coordinated Integrated Monitoring Programs

6. PROJECT TEAM STAFF AND PROJECT ORGANIZATION

Tetra Tech is committed to delivering top quality professionals to support the GWMA, and our team is committed to open communication, joint problem solving, partnering, and teamwork to accomplish the goals of any assignment. We have selected experienced staff currently working on relevant projects and who have knowledge of the local watershed planning issues and challenges. The organization of Tetra Tech's proposed team is shown in **Figure 6-1**. We have identified a management team consisting of our Program Manager, Principal-in-Charge, and QA/QC Manager, as well as Technical Leads for each of the Scope of Service areas identified in the RFP. The organizational chart also identifies the key technical staff who are committed to support each Scope of Service area, representing a talented pool of staff available to support any need the GWMA might need. Each member of our team has been selected to add strength in their unique area of expertise. Many of these team members have successfully worked together on relevant projects throughout Southern California, bringing a level of familiarity, respect, and teamwork that results in efficient and expert completion of tasks.

The following biographical sketches highlight key qualifications and experience of our management team, who will provide oversight and ensure delivery of services, and our technical leads for the Scope of Services areas. We have carefully selected a team of technical staff with the demonstrated experience and requisite skills and knowledge to support GWMA across the full Scope of Services. Proposed team members are available and we commit their time and effort necessary to successfully complete any project that might arise through this on-call contract.

Offering a Team Respected Throughout the Region

We are excited to support the GWMA to continue supporting challenging and important regional watershed planning activities. We encourage GWMA to contact our references provided in Section 5 to get a firsthand account of the level of service and expertise our team provides.

Chad Helmle, PE – Principal-in-Charge and QA/QC Manager. Mr. Helmle will be responsible for assuring the GWMA's satisfaction with the Tetra Tech team's work to support all scope areas. He will actively lead the strategic decision making for all task orders, ensure the team has appropriate resources to meet GWMA's needs, and will be dedicated to seeing that project objectives, schedule, and budget goals are met. Drawing on his extensive experience managing large municipal on-call stormwater contracts, he will guide and assist our project manager with client and agency coordination. He prides himself in taking an active management role and will remain engaged in a meaningful and productive manner throughout the duration of the contract.



Mr. Helmle is a Vice President in Tetra Tech's Integrated Watershed Management group and has overseen numerous large municipal on-call stormwater programs throughout southern California in the past ten years, including for the City of San Diego, County of Los Angeles, City of Los Angeles, County of Riverside, and County of San Bernardino. Projects emerging from these programs regularly include strategic watershed and stormwater management plans, green infrastructure master plans, distributed and regional-scale stormwater capture designs, and watershed and BMP modeling analyses. He also led Tetra Tech's modeling efforts for the Reasonable Assurance Analysis (RAA) for seven of the largest EWMP and WMP groups in the region including Los Cerritos Channel and Lower San Gabriel River. Over the course of managing these projects, he has continually pushed the envelope to improve his team's methods by innovating new processes, templates, and tools for creating effective and robust design concepts and modeling approaches for stormwater capture projects.

Through this work, he has developed a reputation as an innovator in the field and has established a trusted relationship with the Los Angeles Regional Water Quality Control Board – a relationship that is crucial for helping his clients effectively communicate progress towards regulatory goals.

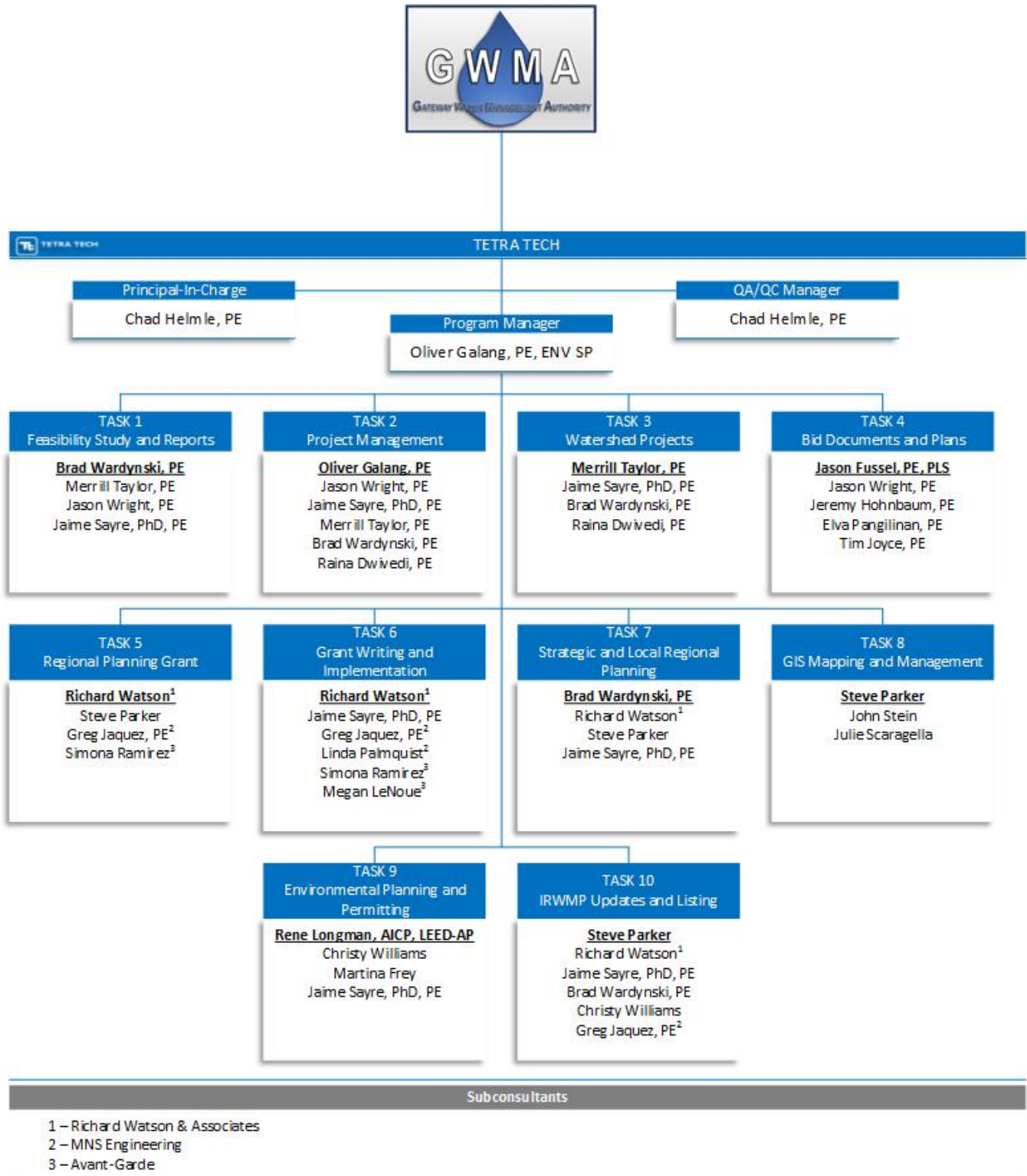


Figure 6.1. Tetra Tech Team Organization Chart

Oliver Galang, PE, ENV SP, QSD/P, QISP – Program Manager and Project Management Lead. Mr. Galang will be responsible for managing this contract, coordinating the individual task orders, and providing overall responsibility for the delivery of work products for GWMA. His experience encompasses more than 23 years of planning, design, construction and program management of multi-million dollar municipal capital improvement projects and programs, specifically in water resources and stormwater infrastructure throughout Los Angeles County. Mr. Galang will bring to GWMA invaluable technical expertise and experience working with regulatory agencies on behalf of clients.



Mr. Galang has been responsible for or personally led the development of numerous major regional stormwater BMPs, including Lakewood Stormwater Capture Projects at Bolivar and Mayfair Parks, Santa Monica CBI Project at the Pier and Pico Kenter Basins, Signal Hill TMDL Implementation, Aliso Creek and Limekiln Creek Restoration, Echo Park Lake Rehabilitation, and Penmar Water Quality Improvement Project. Mr. Galang's career also includes service as Head of the Los Angeles River Watershed Section of the Los Angeles County Department of Public Works' Watershed Management Division. His responsibilities included staff management and direction for the planning of multi-use, multi-benefit projects along the Los Angeles River, with an estimated construction value of more than \$60 million.

Throughout his career, Mr. Galang, has established cooperative relationships with a number of regulatory agencies throughout the Los Angeles Region. He served as the Head of the Data Management Section of the Los Angeles County Department of Public Works' Watershed Management Division and was responsible for an annual budget of more than \$10 million in urban runoff and stormwater quality monitoring programs, including Los Angeles County Flood Control District (LACFCD's) NPDES Municipal Stormwater Monitoring Program. His relationships with multiple local jurisdictions in the Los Angeles area will only enhance GWMA's ability to meet their mission for regional watershed planning and implementation.

Brad Wardynski, PE – Feasibility Study and Reports Lead; Strategic and Local Regional Planning Lead. Mr. Wardynski has six years of experience in the fields of urban hydrology and green infrastructure and his areas of expertise include stormwater control measure performance, formulation and adaptation of stormwater design guidance for specific climates and physiographic regions, targeted stormwater control measure design and optimization for regulatory compliance (including real-time control systems), and development of web-based applications for data management and decision support. In recent years, Mr. Wardynski has applied his expertise to support Southern California in preparing strategic stormwater planning documents for regulatory compliance. He has led development of approaches that rely on an innovative use of existing data, application of complex models, and a firm understanding on implementation and compliance realities. Mr. Wardynski also ensures that plans capitalize on integration opportunities by designing solutions with multiple program objectives in mind (e.g., water supply resiliency, water quality, hydromodification).



Mr. Wardynski played a key role in developing Enhanced Watershed Management Programs (EWMPs) for four watershed management groups and 30 jurisdictions across greater Los Angeles County. The EWMPs provide a collaborative and prescriptive strategy for compliance with multiple TMDLs while also identifying opportunities for enhanced, interagency projects promoting water quality improvement, water supply augmentation, and community services/co-benefits. He also served as a technical advisor for the Los Angeles River Upper Reach 2 Watershed Feasibility Study and for several Water Quality Improvement Plans (WQIPs) for the City of San Diego.

Merrill Taylor, PE – Watershed Projects Lead. Mr. Taylor is a water resources engineer with nearly 10 years of experience in the areas of watershed management, hydrologic and water quality studies, point and nonpoint source pollution characterization and assessment, and BMP modeling and design, currently focusing on watershed planning and BMP projects in Southern California. He has served as technical lead and support for the research and development of watershed models to support multiple planning and implementation efforts in Southern California, including multiple watersheds in Los Angeles County and numerous watersheds in the San Diego Region. Mr. Taylor also provides engineering support to municipal clients for the development of watershed



management plans and hydromodification management plans to support BMP/LID implementation. He has practical experience in many facets of water resource engineering, with an in-depth understanding of the relationship between hydrology, water quality, watershed management, and regulations.

Mr. Taylor recently led water quality, hydrology, and hydraulic modeling to develop a conceptual design for a regional BMP opportunity in the Los Cerritos Channel sub-basin for City of Signal Hill. He supported design of the innovative BMP diversion, footprint, and drainage area to optimize compliance with WMP water quality targets. He was also the modeling lead for design of the City of Lakewood stormwater capture projects in Bolivar and Mayfair Parks and led the modeling analysis and identification of distributed and regional BMP opportunities for the City of San Diego's Chollas Creek Watershed Master Plan to support compliance with the MS4 Permit and TMDLs.

Jason Fussel, PE, PLS, QSD/P, LEED AP, ENV SP – Bid Documents and Plans

Lead. Mr. Fussel has more than 13 years of relevant experience designing and overseeing construction of stormwater BMPs, including implementation of sustainable design practices for a vast array of improvement projects. His experience spans the project lifecycle, including stormwater analysis and studies, design, preparation of specifications, bid documents and cost estimates, and construction support services.

Mr. Fussel is the Design Manager overseeing detailed design services for City of Lakewood's Mayfair Park Stormwater Capture Project and City of Carson's Carriage Crest Park Water Capture Project and served as Design Manager for Lakewood's constructed Bolivar Park Stormwater Capture Project and the Santa Monica CBI Project at Pier and Pico-Kenter watersheds. He also managed the City of Los Angeles Bureau of Engineering's Albion Riverside Park Project, which will transform a six-acre site, previously used for dairy warehousing and distribution, into a riverfront park and recreational facility. The project also includes the diversion of both dry-weather and wet-weather flows to underground infiltration galleries. Mr. Fussel's significant involvement in and LID and stormwater pollution prevention and reduction projects in Southern California, specifically as Engineer of Record for several important Proposition O projects for the City of Los Angeles, provides the foundation for his continued leadership in the industry. He is also a certified Envision™ Sustainability Professional and licensed land surveyor.



Richard Watson, Regional Planning Grant and Grant Writing and Implementation Lead. Richard Watson is President of Richard Watson & Associates, Inc., an urban and regional planning firm based in Mission Viejo. He is a geographer/planner with 40 years of professional planning experience, including over 23 years in the development and implementation of the stormwater quality program in California. He is responsible for assisting the following GWMA Agencies with funding regional stormwater BMPs through Caltrans' Cooperative Implementation Agreements that have a combined value of \$79 Million: City of Bellflower, Lakewood, Long Beach, and Signal Hill.

Steve Parker – GIS Mapping Lead; IRWMP Updates and Listing Lead. Mr. Parker has 13 years of experience as a GIS specialist for environmental planning and hydrologic and hydraulic engineering. He has provided mapping, imagery interpretation, and GIS analysis as well as H&H modeling using FLO-2D, HEC-RAS and GeoRAS, and HEC-HMS and GeoHMS for a wide variety of water resource related projects throughout Southern California. He has strong skills in ArcGIS, Adobe Photoshop, and Adobe Illustrator, with the ability to integrate AutoCAD or Microstation data and move data or graphics between all platforms for the best results. For example, Mr. Parker provided mapping and GIS analysis that expertly supported alternatives evaluations, engineering design analyses, and public engagement activities for the Aliso Creek Mainstem Ecosystem Restoration Study for the USACE Los Angeles District. Additional examples of his experience includes GIS support to map and develop alternatives for the USACE's Los Angeles River Ecosystem Restoration Feasibility Study; floodplain mapping for CLOMR projects throughout Riverside County; and mapping of levee inspection results throughout the Los Angeles region. In addition to his GIS expertise, Mr. Parker has experience supporting IRWMP and related activities for Southern California municipalities. For example, he provided a variety of technical support for development of the Orange County IRWMP and managed subsequent updates to the IRWMP in 2017 to comply with 2016 guidelines. He also managed development of the county's Stormwater Resources Plan to meet state guidelines for receiving grant funding for water resource planning.

Rene Longman, Environmental Planning and Permitting Lead. Ms. Longman is an urban and environmental planner with extensive experience in the preparation and management of CEQA/NEPA technical documents, permitting, and coordination with government and regulatory agencies. She has worked on a variety of projects

including transportation, energy (solar, wind, power plants, and oil & gas), mixed-use, educational (K-12 and higher education), industrial, and public works. As a planner, she works with public agencies in the identification of existing land use conditions, analyzing a proposed project for compatibility with existing land uses, and assessing the consistency of a proposed project with relevant planning policies and regulations. Ms. Longman also has experience in preparing aesthetics studies for environmental documents, zoning compliance, design review, and public outreach efforts including public workshops and community meetings. Her experience includes preparation of regulatory documents for a wide range of projects throughout California, such as a Program EIR for a revitalization and redevelopment project in Commerce; EIR/EIS for environmental impacts of the California High-Speed Rail Project in Los Angeles and Orange Counties; Mitigated Negative Declaration (MND) for the construction and operation of a public sports park in Riverside; and Categorical Exemption for a street improvement project in La Habra.

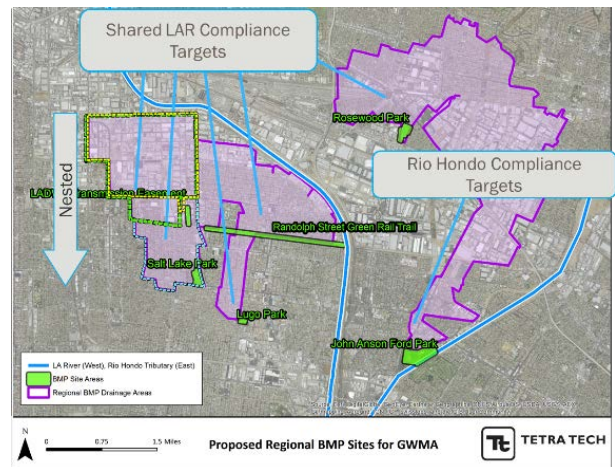
7. PROJECT APPROACH AND UNDERSTANDING

TASK 1. FEASIBILITY STUDY AND PROJECT AND/OR PROGRAM REPORT WRITING



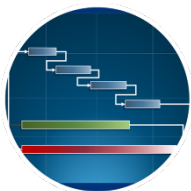
Building upon the modeling analysis our team did for the Watershed Management Programs for the Lower Los Angeles River and the Los Cerritos Channel, the Tetra Tech team will conduct feasibility studies, project reports, or program reports for the GWMA. The development of studies or

reports should be founded on a thorough analysis of potential project site locations in order to meet the stated objectives of the GWMA member agencies. Our experienced team will evaluate potential projects on the basis of existing As-Builts, elevations, and potential configurations. Feasibility studies are intended to represent 10% level of design progress and may include preliminary design details, preliminary schedules, cost estimate, and a list of environmental permits. As an example, Tetra Tech conducted the Feasibility Study for the Lower Los Angeles River Upper Reach 2 Regional BMP projects. Our team developed the analysis on the basis of addressing first the water quality objectives of the program and incorporated an approach that included infiltration testing and optimization analysis. This effort resulted in significant cost savings of over a \$100 Million as compared to the initial estimates.



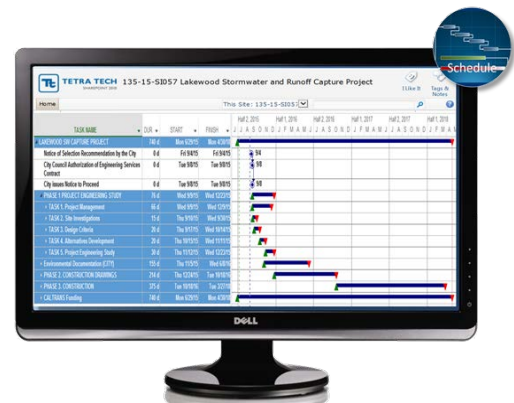
Tetra Tech incorporated BMP optimization that resulted in significant program implementation cost savings for the LA River Upper Reach 2 feasibility study

TASK 2. PROJECT MANAGEMENT



Tetra Tech understands appropriate planning, status, and monitoring are key to successful project execution and completion. Tetra Tech's project controls methodology and practice focus on Shared Vision, Do it Right principles, and providing client value through service and quality. In addition to this fundamental focus,

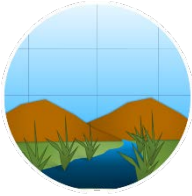
Tetra Tech continues to refine processes based on project team recommendations as a result of program reviews. Project Management will consist of coordination with the GWMA agencies and project stakeholders, scheduling, budgeting, progress



Tetra Tech will setup a SharePoint site to provide the GWMA with access to the team and data 24/7

reporting, and invoicing. Tetra Tech uses a SharePoint site to support coordination efforts with our clients and allow sharing of project files.

TASK 3. WATERSHED PROJECTS



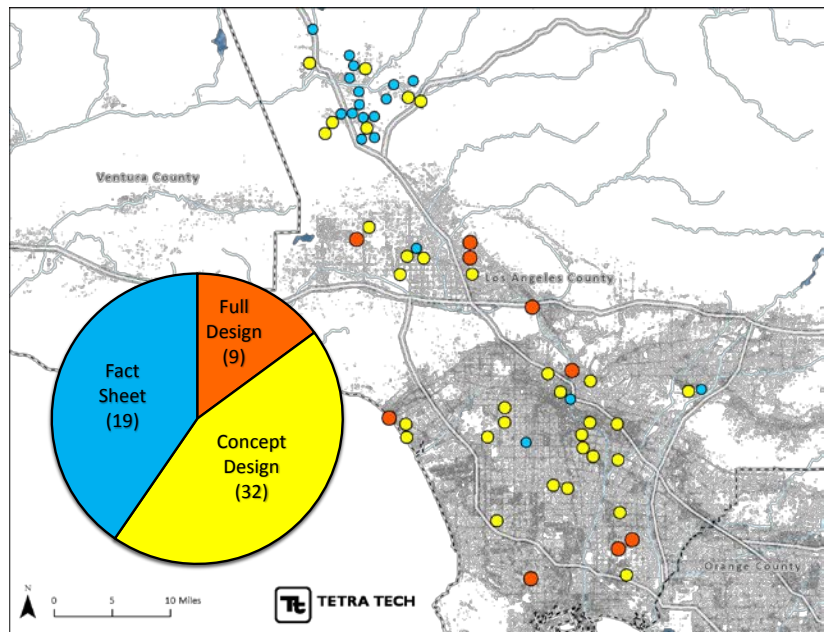
Tetra Tech is a national leader in watershed projects and best management practices (BMPs), providing rapid state-of-the-practice services to municipalities, counties, and agencies throughout southern California and the United States. As regulatory plans are completed and stormwater retrofit requirements mount, the technical, policy, and social issues facing the region present a significant challenge. The opportunity to bring innovation and creative problem-solving to bear has allowed our leadership to assemble a team comprising some of the sharpest minds in the industry. Tetra Tech’s engineers and scientists are working on the cutting

edge of emerging issues in BMP engineering and water resource integration and pride ourselves on leveraging new technology and big data to guide our designs and link them to multiple objectives. Our team focuses on establishing a collaborative, problem-solving mindset with our clients – oftentimes sharing the results of the efforts on regional or national conference stages.

Tetra Tech’s tried and tested multidisciplinary group of technical and professional staff offers GWMA extensive experience working together and a comprehensive knowledge of water quality analyses, modeling, and designing and executing similar types of projects. Of particular note is our team’s unmatched depth of experience designing regional stormwater projects. No other team has completed a comparable number of similar projects in the region. Design of such projects requires a unique set of skills that can only be derived from experience. While each project presents its own set of challenges, our team has encountered and overcome countless engineering feasibility issues to create projects that are

- Efficient at capturing, treating, and/or harvesting stormwater;
- Practical to maintain;
- Affordable; and
- Effective at communicating compliance.

As part of this substantial suite of experience, our engineers and scientists have worked on the cutting edge of emerging issues in urban runoff diversion facilities; post-construction structural urban runoff treatment BMPs; wetland and riparian habitat restoration projects; low impact development (LID) and site design BMPs; runoff capture, harvest and reuse; stream restoration; and other water quality and water resource improvement projects.



Tetra Tech is the leader in the development of watershed-based designs for BMPs

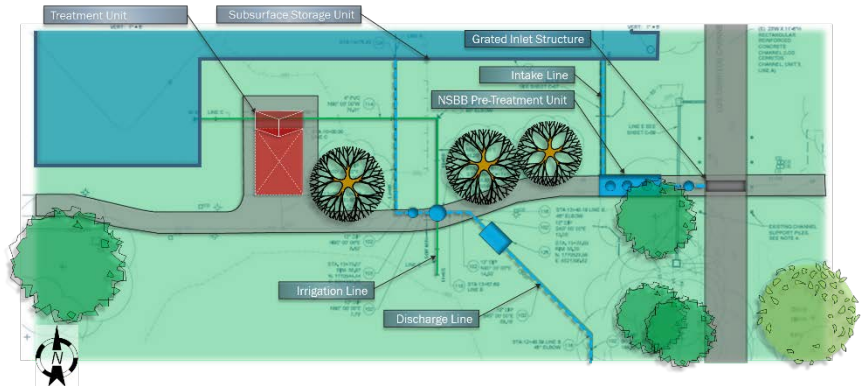
TASK 4. PROJECT BID DOCUMENTS, PLANS AND SPECIFICATIONS



Tetra Tech provides a proven track record of success in developing bid documents, plans and specifications for large, multi-discipline, multi-task projects. The project team members have managed A-E Design contracts for various federal, state, and local agencies, and our staff has supported the GWMA agencies for 35 years. Tetra Tech’s long working relationship with these agencies provides us with an understanding of the current procedures and policies and the challenges the GWMA faces in administering their programs. It is our corporate commitment to maintain excellence in performance for the GWMA by providing the right staff and resources

that will ensure the team’s capability to complete the work within the required time.

The team will coordinate with the GWMA agencies to develop the front end bid documents, design plans and specifications. Our project team incorporates experience and lessons learned from previous projects into each new design project. As an example, Tetra Tech’s effort with the design of pre-cast storage and infiltration units at Lakewood’s Bolivar Park has provided enhancements to our designs for Bellflower’s Caruthers Park Stormwater and Urban Runoff Capture Project.



For the City of Lakewood, Tetra Tech’s design plans and specifications for the Mayfair Park Water Capture Project that incorporates recent updates from the Bolivar Park construction phase. The GWMA agencies will benefit from our team’s experience and efficiency measures

TASK 5. REGIONAL PLANNING GRANT AND/OR OTHER OPPORTUNITIES AND TASK 6. GRANT WRITING AND/OR GRANT IMPLEMENTATION MANAGEMENT



Undertaking a grant writing and management program for GWMA requires an understanding of the local water issues affecting GWMA, such as groundwater adjudication in the Central Basin, IRWM governance and policy, recycled and advanced treatment water projects, and the nexus between stormwater capture for water

supply and MS4 Permit compliance for GWMA’s municipal members.

Our team subcontractors, led by Richard Watson, MNS, and Avante-Garde fully understand these issues and have successfully won millions of dollars’ worth of grant funding for Southern California clients. Having once served as Los Angeles County’s legislative program manager on water, MNS’s Project Manager, Greg Jaquez, has a comprehensive understanding of regional water policy issues. MNS also serves as an on call engineering consultant to WRD and part of the GRIP team, providing the ability to draw connections between program and project needs and grant opportunities.

Avante-Garde has secured grants for projects for economic development, infrastructure, technology, energy, water, stormwater, transportation, sustainability, and transit. Their extensive Southern California experience includes securing more than \$23 million in grants for GWMA member cities. MNS and Avante-Garde have, or have had, relationships with GWMA members, potential partner agencies, and other stakeholders such as:



Our team will support the GWMA with identifying and applying for multiple grant opportunities and implementation of various funding grants

- Cities of Bell Gardens, Commerce, Cudahy, Hawaiian Gardens, La Mirada, Lynwood, Maywood, Montebello, Norwalk, Pico Rivera, and Vernon
- Los Angeles County Flood Control District
- U. S. Army Corps of Engineers
- Metropolitan Water District of Southern California
- Water Replenishment District of Southern California
- San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy
- Non-profit organizations such as Amigos de los Rios, Council for Watershed Health, From Lot to Spot, Los Angeles Neighborhood Land Trust

TASK 7. STRATEGIC LOCAL AND/OR REGIONAL PLANNING EFFORTS

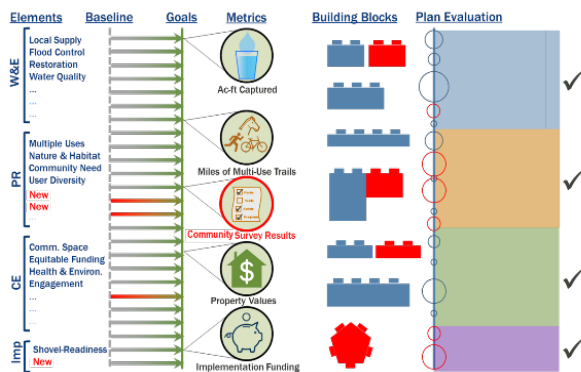


Our approach to Strategic Local and Regional Planning Efforts consists of seamless integration of collaborative stakeholder workshops, community outreach, and thorough technical analysis to ensure the implementation viability of the Plan. To address the myriad

interdependent technical challenges associated with local and regional planning efforts for the GWMA, Tetra Tech provides a multi-disciplined team of technical experts in areas of planning, water resources, and sustainability. Our team is capable of analyzing the impacts of proposed project and programs activities relative to a wide range of key technical areas, including hydraulics, flood control, water quality, water supply, environment and habitat, active transportation, land use, and others. It is imperative that these technical analyses serve the GWMA’s objectives by answering key questions, helping to align project ideas with watershed-based planning objectives, and ensuring that project concepts are packaged into multi-benefit bundles that are ideally suited for funding.

Our plans also capitalize on integration opportunities by designing solutions with multiple program objectives in mind (e.g., water supply resiliency, water quality, flood control, habitat). Simply stated, our team abides by the following tenets to guide our approach:

- **Use data wisely** – Data resolution and quality at the planning scale can make or break a plan. While insufficient data can likely be successfully crafted into an approved plan, long-term compliance might be at risk due to an inability to implement or successfully monitor water quality improvement. High-resolution datasets such as asset inventories or LiDAR might prove invaluable.
- **Ensure implementation feasibility** – Watershed models must be crafted to accurately reflect engineering constraints and integration opportunities that will face the operations, design, and construction teams responsible for implementing the recommended actions. Failure to capture key nuances might introduce fatal flaws or result in missed opportunities for integrating multi-benefit solutions.
- **Align with monitoring strategy** – Plans must integrate actions that will yield measurable results. This requires a thoughtful interpretation of water quality criteria, a deliberate alignment between expected outcomes and monitoring strategies, and a clear explanation of methods.
- **Engage and educate** – Even the most innovative and scientifically sound plans are subject to failure if key stakeholders cannot understand or relate to the story. Our team has honed the difficult skill of distilling complex



Our unique approach to planning for the Lower Los Angeles River resulted in the development of a planning framework that balances multiple objectives based on stakeholder priorities.

information into easily understandable and approachable material. Our relationships with local NGOs and regulators have proved invaluable to this engagement process.

As part of the development of the AB 530 Lower LA River Revitalization Plan, Tetra Tech developed a multi-objective framework that identified community priorities in the areas of Community Economics, Public Realm, and Water and the Environment. The goals of objectives for these priorities were used as the basis for identify opportunities for revitalizing the Lower Los Angeles River. Consistent with the AB 530 legislation, an extensive Community Outreach program was implemented to gather feedback on the plan development progress. The framework development for the Lower LA River fostered an environment of mutual understanding and respect for the stakeholders from environmental groups and municipalities.

TASK 8. GIS MAPPING/MANAGEMENT



Tetra Tech is well-known in the region for our unique approach to integration of strategic stormwater planning documents with GIS Mapping and Management. Our method requires an innovative use of existing data, deft application of complex models, a firm grip on implementation realities, and a delicate touch for expressing the story of compliance and priorities. Tetra Tech has conducted GIS Mapping and data management as the basis for our watershed-based analysis for the Lower Los Angeles River and the development of the Reasonable Assurance Analysis for the Watersheds of the Lower Los Angeles River and the

Los Cerritos Channel.

TASK 9. CEQA/NEPA ENVIRONMENTAL PROCEEDINGS



Tetra Tech assists clients with every step of the environmental planning and permitting process. Our knowledge of the regulatory environment in Southern California allows us to identify stakeholders early in the process so that an expedited consultation to identify resource-specific issues occurs. Early and frequent communication

with jurisdictional agencies is key to a streamlined environmental review and permitting process.

We begin the environmental process with a thorough review off all proposed project actions and develop a detailed project description. Based on the project description, we will identify potential issues and constraints; agencies that will require consultation; anticipated permits; anticipated type of CEQA and/or NEPA document; and develop a proposed schedule. We then identify key technical staff to best meet the project's needs.

Tetra Tech will assist the GWMA in determining if a proposed project (action) is exempt from CEQA review either by statute or pursuant to a categorical exemption. If desired, Tetra Tech will also prepare a Notice of Exemption (NOE) and file it with the State Clearinghouse and County Clerk.

Initial Studies (IS) are prepared based on CEQA requirements and the CEQA Guidelines IS Checklist form, and consider all phases of project planning, implementation, and operation. The IS provides a brief description of the project, the environmental setting, identifies potential environmental effects, and proposes mitigations for potential significant environmental impacts or effects. The IS will contain a complete list of references and people contacted during preparation of the environmental document.

Reports prepared for the project site will be reviewed, such as Phase I and II Environmental Site Assessments (ESAs), technical studies, feasibility studies, inventory surveys, planning documents, previous CEQA/NEPA documents, and GIS data. The information sought may include impact assessment methods for similar projects,



Our team will support the GWMA with addressing the applicable provisions of CEQA/NEPA including the processing of environmental permits

agency and public concerns, newspaper articles, traffic studies, air quality and air emissions data, hydrology and water quality data, infrastructure drawings, equipment descriptions, and other information useful in describing the existing environment or assessing potential project impacts. The information collected at this stage will be reviewed for completeness, accuracy, relevance, and historical context. Where data is incomplete, data collection in the field may be necessary or additional technical studies may be recommended.

TASK 10. IRWM RELATED PROGRAMS AND ACTIVITIES



The Tetra Tech Team will support the GWMA with the Integrated Water Management related programs and activities including meeting facilitation, updates to the IRWM Program Plan, implementation grant applications, and identification of emerging priority projects. Tetra Tech supported the County of Orange in the 2013 update to the Integrated Regional Water Management Plan (IRWMP). The three major tasks Tetra Tech was involved in were the Plan update, development of the Floodplain Management Plan, and the Climate Change Analysis.

This document provided the guiding plan for short-term and long-term activities in South Orange County to improve the handling of local water resources. In addition to the IRWMP Plan update, a matrix of responsibilities was developed that identified points of integration and/or collaboration. Workshops were held among the flood managers to present an overall picture of the current process of coordinating flood risk management across the South OC IRWM Region and brainstorm the drivers that limit integration and the opportunities for improvement.



Tetra Tech will support the GWMA with IRWM related Program and activities including plan updates, grant support, and project opportunity identification and prioritization

8. BILLING RATE SCHEDULE

Professional Classification	Rate	Unit
Principal	\$ 235.00	hr.
Project Manager	\$ 220.00	hr.
Senior Water Resources/Civil/Environ Engineer	\$ 175.00	hr.
Water Resources/Civil/Environ Engineer	\$ 140.00	hr.
Assistant Civil/Environmental/Water Resources Engineer	\$ 100.00	hr.
Contract Administrator	\$ 96.00	hr.
Project Assistant	\$ 96.00	hr.
Principal, QA/QC Manager	\$ 235.00	hr.
Senior Engineer (Civil)	\$ 195.00	hr.
Staff Designer	\$ 125.00	hr.
Survey Technician	\$ 90.00	hr.
CADD Designer	\$ 120.00	hr.
Project Assistant	\$ 85.00	hr.
Two Man Survey Crew	\$ 210.00	hr.
Principal Engineer / Geologist	\$ 230.00	hr.
Project Engineer / Geologist	\$ 145.00	hr.
Scientist (Staff Scientist)	\$ 126.00	hr.
Senior Technician	\$ 98.00	hr.
Environmental Planner	\$ 130.00	hr.

9. LIST OF SUB-CONSULTANTS (IF ANY)

Tetra Tech has partnered with the following sub-consultants to support GWMA across the full Scope of Services.

Sub-consultant	Contact/Address	Proposed Role
MNS Engineers, Inc. 1055 E. Colorado Blvd., Suite 500 Pasadena, CA 91106	Greg Jaquez, PE, Principal Project Manager, Government Services Division 323.484.5737 gjaquez@mnsengineers.com	Grant writing and management; IRWM-related programs and activities
Avant-Garde 3670 West Temple Avenue, Suite 278 Pomona, CA 91768	Simona Ramirez 909.979.6581 sramirez@agi.com.co	Grant writing
Richard Watson & Associates, Inc. (RWA) 21922 Viso Lane Mission Viejo, CA 92691-1318	Richard Watson 949.855.6272 rwatson@rwaplanning.com	Regional Planning Grant and Grant Writing and Implementation



Gateway Water Management Authority
16401 Paramount Boulevard
Paramount, CA 90723



TETRA TECH

PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement (“Agreement”) is dated and effective NOVEMBER 9, 2017 and is between the Los Angeles Gateway Region Integrated Regional Water Management Authority also referred to as the Gateway Water Management Authority (“GWMA”) and Geosyntec Consultants (“Consultant”).

The parties agree as follows:

SECTION 1 - SCOPE OF SERVICES

Consultant shall provide the services (the “Services”) described with each requested scope of services upon GWMA’s approval of cost, schedule and any other applicable terms.

SECTION 2 - TIME FOR PERFORMANCE

The term of this Agreement shall commence on the effective date of this Agreement and expire on November 9, 2022, unless earlier terminated in accordance with the terms of this Agreement or extended by the Project Manager or GWMA Chair.

SECTION 3 - STANDARD OF PERFORMANCE

Consultant’s services shall be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant’s profession currently practicing under similar conditions. By delivery of completed work, Consultant certifies that the work conforms to the requirements of this Agreement and all applicable federal, state and local laws and regulations. Consultant shall maintain throughout the term of this Agreement all licenses, certifications, registrations or other similar requirements necessary for Consultant’s performance of services under this Agreement.

SECTION 4 - OWNERSHIP OF WORK PRODUCT

Upon delivery, the work product, including, without limitation, all original reports, writings, recordings, drawings, files, and detailed calculations developed under this Agreement (collectively “work product”) are GWMA’s property. All copyrights that arise from work product shall vest in GWMA. Consultant waives and relinquishes all claims to copyright or other intellectual property rights in the work product in favor of GWMA. GWMA’s use of the work product is limited to the purposes contemplated by the Services and Consultant makes no representation of the suitability of the work product for use in or application to circumstances not contemplated by this Agreement. Any alteration or reuse by GWMA of the work product on any project other than the Services provided pursuant to this Agreement shall be at GWMA’s sole risk, unless GWMA compensates Consultant for such alteration or reuse.

SECTION 5 - COMPENSATION AND METHOD OF PAYMENT

GWMA shall pay Consultant, for the Services performed based on the proposal/quote received and accepted for each scope of work.

Consultant shall perform the Services for the amount(s) listed for each scope of work. GWMA shall not withhold federal payroll, state payroll and other taxes, or other similar deductions from each payment made to Consultant. Consultant shall pay all applicable federal, state, and local excise, sales, consumer use, and other similar taxes required by law. GWMA shall not allow any claims for additional services performed by Consultant, unless the Project Manager or GWMA Chair authorizes the additional services in writing prior to Consultant's performance of the additional services or the incurrence of additional expenses. Any additional services authorized by the Project Manager or GWMA Chair shall be compensated at the hourly rates set forth above, or, if not specified, at a rate mutually agreed to by the parties. Consultant shall submit invoices to GWMA on a monthly basis for actual work performed and actual expenses incurred during the preceding month. The invoices shall describe in detail the services performed by each person for each task, including the days and hours worked. GWMA shall review the invoices and notify Consultant in writing within ten (10) business days of any disputed amounts. GWMA shall pay all undisputed portions of the invoices within thirty (30) calendar days after receipt up to the maximum amount of compensation specified above. GWMA shall make payment payable to: Geosyntec Consultants, 6167 Bristol Parkway, Suite 390, Culver City, CA 90230.

SECTION 6 - INDEPENDENT CONTRACTOR

Consultant is an independent contractor. Neither Consultant nor any of Consultant's officers, employees, agents or subconsultants, if any, shall be an employee of GWMA or its members by virtue of this Agreement or performance of the Services under this Agreement.

SECTION 7 - CONFLICT OF INTEREST

Consultant and its officers, employees, associates and sub consultants, if any, shall comply with all applicable conflict of interest statutes of the State of California applicable to Consultant's Services under this Agreement, including, the Political Reform Act (Cal. Gov. Code § 81000, *et seq.*) and Government Code Section 1090.

SECTION 8 – INDEMNIFICATION

A. Indemnities. Consultant shall indemnify, defend and hold harmless GWMA, and its officials, officers, attorneys, agents, employees, designated volunteers, successors and assigns in accordance with the terms of this Section 8. Consultant's covenant under this Section 8 shall survive the expiration or termination of this Agreement.

B. Indemnity for Design Professional Services. To the fullest extent permitted by law, Consultant shall, at its sole cost and expense, protect, indemnify, and hold harmless GWMA and its elected officials, officers, attorneys, agents, employees, designated volunteers, successors, assigns and those GWMA agents serving as independent Consultants in the role of GWMA officials (collectively "Indemnitees"), from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, judgments, penalties, liens, and losses

of any nature whatsoever, including fees of accountants, attorneys, or other professionals and all costs associated therewith, and reimbursement of attorney's fees and costs of defense (collectively "Liabilities"), whether actual, alleged or threatened, which arise out of, are claimed to arise out of, pertain to, or relate to, in whole or in part, the negligence, recklessness or willful misconduct of Consultant, its officers, agents, servants, employees, subcontractors, material men, contractors or their officers, agents, servants or employees (or any entity or individual that Consultant shall bear the legal liability thereof) in the performance of design professional services under this Agreement by a "design professional," as the term is defined under California Civil Code Section 2782.8(c)(2).

C. Other Indemnities. Other than in the performance of design professional services and to the fullest extent permitted by law, Consultant hereby agrees, at its sole cost and expense, to protect, defend, hold harmless and indemnify GWMA, its officials, officers, attorneys, agents, employees, designated volunteers, successors, assigns and those GWMA agents serving as independent contractors in the role of GWMA officials (collectively "Indemnitees") from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, expenses, judgments, penalties, liens, and losses of any nature whatsoever, including fees of accountants, attorneys, or other professionals and all costs associated therewith and the payment of all consequential damages (collectively "Claims"), in law or equity, whether actual, alleged or threatened, which arise out of, are claimed to arise out of, pertain to, or relate to the acts or omissions of Consultant, its officers, agents, servants, employees, subconsultants, suppliers or their officers, agents, servants, employees, subconsultants, contractors (or any entity or individual that Consultant shall bear the legal liability thereof) in the performance of this Agreement, including the Indemnitees' active or passive negligence, except for Claims arising from the sole negligence or willful misconduct of Indemnitees, as determined by judicial decision or by the agreement of the parties. Consultant shall defend Indemnitees in any action or actions filed in connection with any Claim with counsel of Indemnitees' choice, and shall pay all costs and expenses, including all attorneys' fees and experts' costs actually incurred in connection with such defense. Consultant shall reimburse Indemnitees for any and all legal expenses and costs incurred by Indemnitees in connection therewith. The indemnity under the Section 8-C is effective regardless of any prior, concurrent, or subsequent misconduct, negligent acts, errors or omissions of the Indemnitees.

D. General Provisions. The indemnity in Section 8 is effective without reference to the existence or applicability of any insurance coverages that are required under this Agreement or any additional insured endorsements that may extend to the Indemnitees. The indemnity under Section 8 is in addition to any other rights or remedies that the Indemnitees may have under the law. Payment is not required as a condition precedent to the Indemnitees' right to recover under this Section 8, and an entry of judgment against Consultant shall be conclusive in favor of the Indemnitees' right to recover under Section 8. Consultant shall pay Indemnitees for any attorney's fees and costs incurred in enforcing these indemnification provisions.

SECTION 9 - INSURANCE

Insurance Requirements.

Consultant shall at all times during the term of this Agreement carry, maintain, and keep in full force and effect, the following policies of insurance with minimum limits as indicated below and issued by insurers with A.M. Best ratings of no less than A:VII:

“Occurrence Form” Comprehensive General Liability Insurance (at least as broad as ISO Form CG 0001, covering liability on an occurrence basis) providing protection against bodily injury, including death, personal injury and property damage. This insurance shall provide broad form contractual liability protection covering the indemnity provisions contained in this Contract, underground hazards, products-completed operations. A per occurrence limit of \$2,000,000 and \$4,000,000 in the aggregate, written, with dedicated limits, on a “per project” basis; and a products-completed operations aggregate limit of at least \$4,000,000. The Contractor’s insurance policy shall include or be endorsed to include a “severability of interests” provision ensuring that each “additional insured” is treated as if it is the only insured; and “Occurrence Form” Automobile Liability Insurance providing protection against bodily injury, including death, and property damage. This insurance shall provide contractual liability by endorsement (ISO Form CA 0001, Code 1, “any auto” or equivalent) and shall cover any motor vehicle (or mobile equipment, to the extent it may be excluded from general liability insurance) used by the Contractor (whether owned, non-owned, hired or scheduled). The Contractor’s insurance policy shall include or be endorsed to include a “severability of interests” provision ensuring that each “additional insured” is treated as if it is the only insured; and

Professional liability (if Design/Build), with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate, with a five year tail from the completion of the project; and

Workers’ compensation and Employer’s Liability: Workers’ Compensation insurance as required by the State of California, with Statutory Limits, and Employers’ Liability insurance with a limit of no less than \$1,000,000 per accident for bodily injury or disease.

The insurance required by this Section 10 shall apply on a primary non-contributing basis. Any insurance or self-insurance maintained by GWMA, its member agencies, officers, employees, agents, subcontractors or volunteers, shall be in excess of Consultant’s insurance and shall not contribute with it.

The automobile and comprehensive general liability insurance policies shall contain an endorsement naming GWMA and its officers, employees, officials and agents as additional insureds. All insurance policies shall contain an endorsement providing that the policies cannot be canceled or reduced except on thirty (30) days’ prior written notice to GWMA. All insurance policies shall be endorsed to delete the subrogation condition as to GWMA, or shall explicitly allow Consultant to waive Consultant’s right of recovery prior to loss. Consultant waives all

rights of subrogation and contribution against GWMA. Consultant shall require its insurer to modify the certificates of insurance to delete any exculpatory wording stating that failure of the insurer to mail written notice of cancellation imposes no obligation, and to delete the word “endeavor” with regard to any notice provisions.

Consultant shall require all subconsultants or other third parties hired to perform services under this Agreement, to carry, maintain, and keep in full force and effect, insurance policies that meet the requirements of this Section 10, unless otherwise agreed to by GWMA. The procurement of insurance by any subconsultant or other third party hired to perform services under this Agreement shall not relieve Consultant from any duties or liability otherwise arising under this Section 10.

Prior to performance of the Services under this Agreement, Consultant shall file a certificate or certificates of insurance, together with the required endorsements, with GWMA showing that the insurance policies are in effect in the required amounts.

SECTION 10 - TERMINATION

Termination by the Parties.

Termination by GWMA. The Project Manager or GWMA Chair may terminate this Agreement or any portion of this Agreement or the Services required under this Agreement for any reason on ten (10) calendar days’ written notice to Consultant. Upon receipt of a notice of termination, Consultant shall perform no further services except as specified in the notice. Before the date of termination, Consultant shall deliver to GWMA all work product, whether complete or incomplete, prepared or compiled through the date of termination and not otherwise previously delivered to GWMA. GWMA shall pay Consultant for services satisfactorily performed in accordance with this Agreement to the date of termination. GWMA shall reimburse Consultant for authorized expenses incurred to the date of termination and not previously reimbursed. Consultant shall not have any other claim against GWMA by reason of such termination.

Termination by Consultant. Consultant may terminate this Agreement on thirty (30) calendar days’ written notice to GWMA only in the event of a material default by GWMA, which default GWMA has not been cured within thirty (30) days following receipt by GWMA of written notice from Consultant specifying the basis of the alleged default.

SECTION 11 - ADMINISTRATION

GWMA’s representative for administration of this Agreement, is the Grace Kast, or such other person designated in writing by the Executive Officer (“Project Manager”). Consultant’s representative for administration of this Agreement is Ken Susilo (“Consultant’s representative”), unless notified in writing by Consultant that additional representatives are authorized.

SECTION 12 - NOTICES

Any routine administrative communication between the Project Manager and the Consultant’s representative required to be in writing may be made by personal delivery, first class U.S. mail,

facsimile transmission or electronic mail. Any other notices, invoices or reports required by this Agreement shall be given by first class U.S. mail or by personal service. Notices shall be deemed received on (a) the day of delivery if delivered by hand or overnight courier service during Consultant's and GWMA's regular business hours or by facsimile before or during Consultant's regular business hours; or (b) on the third business day following deposit in the United States mail, postage prepaid, to the addresses below, or to such other addresses as the parties may, from time to time, designate in writing pursuant to the provisions of this Section 13. All notices shall be delivered to the parties at the following addresses:

If to GWMA: Gateway Water Management Authority
Attn: Toni Penn
16401 Paramount Blvd.
Paramount, CA 90723
Email: tonipenn.gateway@gmail.com

If to Consultant: Geosyntec Consultants
Attn: Ken Susilo
6167 Bristol Parkway
Suite 390
Culver City, CA 90230
Email: ksusilo@geosyntec.com
Phone: (310) 957-6111

SECTION 13 - WAIVER

No delay or omission to exercise any right, power or remedy accruing to GWMA under this Agreement shall impair any right, power, or remedy of GWMA, nor shall it be construed as a waiver of, or consent to any breach or default. No waiver of any breach, any failure of a condition, or any right or remedy under this Agreement (1) shall be effective unless it is in writing and signed by the party making the waiver; (2) shall be deemed to be a waiver of, or consent, to any other breach, failure of a condition, or right or remedy, or (3) shall be deemed to constitute a continuing waiver unless the writing expressly so states.

SECTION 14 - ATTORNEY'S FEES

In the event that either party to this Agreement shall commence any legal action or proceeding to enforce or interpret the provisions of this Agreement, the prevailing party in such action or proceeding shall be entitled to recover its costs of suit, including reasonable attorney's fees.

SECTION 15 - ENTIRE AGREEMENT

This Agreement constitutes the final, complete and exclusive statement of the terms of the agreement between the parties pertaining to the subject matter of this Agreement and supersedes all other prior or contemporaneous oral or written understandings and agreements of the parties.

SECTION 16 - MODIFICATION

This Agreement may be supplemented, amended or modified only by a writing signed by Consultant and the Project Manager or GWMA Chair.

[SIGNATURE PAGE FOLLOWS]

The parties are signing this Agreement on the effective date.

GWMA

Consultant

Los Angeles Gateway Region Integrated
Regional Water Management Authority

Geosyntec Consultants

By: _____

Name: Christopher Cash

Title: Chair

By: _____

Name: _____

Title: _____

By: _____

Name: _____

Title: _____

(Please note: Two signatures required for corporations pursuant to California Corporations Code Section 313.)



QUALIFICATIONS

General On-Call Professional General, Technical and/or Engineering Services



Prepared by

Geosyntec
consultants

Prepared for



1. COVER LETTER



6167 Bristol Parkway, Suite 390
Culver City, CA 90230
PH 310.957.6100
www.geosyntec.com

Ms. Bibi Weiss
Gateway Water Management Authority (GWMA)
16401 Paramount Boulevard
Paramount, California 90723

Subject: Response to Request for Statement of Qualifications for General On-Call Professional General, Technical, and/or Engineering Services for the Gateway Water Management Authority

Dear Ms. Weiss:

Geosyntec Consultants (Geosyntec) welcomes the opportunity to submit our team's qualifications for your review in response to the Request for Statement of Qualifications (SOQ) for General On-Call Professional General, Technical, and/or Engineering Services, issued by the Gateway Water Management Authority (GWMA) on July 17, 2017.

Watersheds are complex systems, and the evolving watershed management policies increase the challenges you are facing. Our team is composed of engineers and scientists who are technical leaders in the complex issues involving stormwater, water supply assessment, and watershed planning and management, including engineering design and feasibility studies, integrated regional water management planning, and systems construction. Our team has extensive experience planning, designing, constructing, and optimizing green infrastructure projects throughout the Greater Los Angeles Area, providing us with the tools and techniques necessary to meet watershed project budgets, schedules, and objectives, all while balancing project-specific challenges such as grant limitations, multi-stakeholder reviews and input, urban site constraints, and tight schedules. Our regional/centralized projects have been recognized for stormwater excellence and/or sustainability by ASCE, CASQA, APWA, League of California Cities, WEF, and West Basin Municipal Water District; examples are provided in this SOQ. Geosyntec brings credibility and trust in our ability to deliver on these complex issues with policy regulators, environmental non-governmental organizations (NGOs), industry associations, and stakeholder municipalities in this multi-jurisdictional environment.

Geosyntec has partnered with Ruth Villalobos & Associates, Inc. (RVA) to provide the GWMA with expertise related to CEQA and NEPA documents and compliance. For grant writing and grant management services, Blais & Associates (B&A) brings their premier grant-related expertise to the team.

Collectively, the Geosyntec Team is uniquely and exceptionally qualified to provide the GWMA with all of the requested watershed planning and implementation services you may require in the coming years. If you have any questions regarding our proposal, please do not hesitate to contact us.

Very truly yours,
Geosyntec Consultants

Ken Susilo, P.E., D.WRE, CPSWQ
Project Director, Sr. Principal, Vice President
310.957.6111 | ksusilo@geosyntec.com

Chris Wessel, P.E., QSD
Project Manager, Senior Engineer
310.957.61017 | cwessel@geosyntec.com

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3. COMPANY QUALIFICATIONS

Geosyntec Consultants, with partners Ruth Villalobos and Associates and Blais and Associates (collectively the Geosyntec Team), brings a uniquely qualified team of local experts to the Gateway Water Management Authority (GWMA) in order to support the GWMA's regional watershed planning and implementation activities. The Geosyntec Team has been brought together in order to provide the GWMA with the highest level of support for all requested service items listed in the Request for Qualifications.

Geosyntec's Southern California operation has been providing surface water and stormwater technical solutions to clients for almost 30 years; Geosyntec currently maintains a staff of approximately 165 full-time employees in eight offices in Southern California (three in Los Angeles County), allowing us to provide the bench-strength that GWMA may need on a project-specific basis. Geosyntec's engineers and scientists are technical leaders in stormwater and watershed management. We have in-depth knowledge of the technical and regulatory environment in Los Angeles County when it comes to watershed planning and implementation:

- We have developed numerous multi-jurisdiction watershed planning documents, including the Greater Los Angeles County Integrated Regional Water Management Plan (IRWMP) and the Los Angeles Department of Water and Power (LADWP) Stormwater Capture Master Plan;
- We led or supported the development of six Watershed Management Programs (WMPs)/Enhanced Watershed Management Programs (EWMPs) under the Los Angeles MS4 Permit, including the Upper Los Angeles River Reach 2;
- We led the development of a variety of Low Impact Development (LID)/Best Management Practice (BMP) design manuals, including those for the City of Los Angeles, County of Los Angeles, Los Angeles Unified School District, and County of Orange;
- We have planned, designed, implemented, and evaluated dozens of regional green infrastructure projects in Southern California, including surface and sub-surface infiltration basins, natural treatment wetlands, and biofilters; and
- We are at the forefront of the arid climates water issues highlighted in the Sustainable Groundwater Management Act (SGMA), which require a detailed understanding of stormwater/surface water/groundwater interaction.

We have a strong body of work providing services in and around Los Angeles County, including the GWMA service area, and have proposed staff for this contract with a track record of success providing services in the area on similar efforts. An entirely employee-owned company since our founding in 1983, we have built top-tier specialty practices to meet our clients' needs in areas including water quality management planning and implementation, watershed planning and engineering, and design of systems for environmental and water resources management. Geosyntec is a regional and national leader in stormwater management, and our stormwater staff continues to advance the state-of-the-practice through applied research involving government agencies (e.g., SWRCB, U.S. EPA, U.S. Federal Highway Administration, California Department of Transportation, Orange County, City and County of Los Angeles) and industry/academic associations (e.g., American Society of Civil Engineers [ASCE], California Stormwater Quality Association [CASQA], Water Environment Research Foundation, Interstate Technology and Regulatory Council, and National Cooperative Highway Research Program). Geosyntec's staff and projects have been recognized nationally and regionally for excellence by organizations such as the CASQA, ASCE, and the American Council of Engineering Companies (ACEC).

Our public-sector clients are departments and agencies of municipal, state/provincial, regional, and national governments. Our private sector clients include oil and gas, chemical, aerospace, pharmaceutical, diversified manufacturing, advanced technology, power and utility, and environmental management. Our clients know us for our technology leadership, broad experience, and exceptional client service.

As part of the Geosyntec Team, Ruth Villalobos and Associates (RVA) is a small woman-owned business specializing in CEQA and NEPA documents, regulatory permitting and compliance, and the facilitation of the permitting process through various regulatory agencies. Led by Ruth Villalobos, who for 34 years worked for the U.S. Army Corps of Engineers, preparing several thousand NEPA/CEQA documents for public agencies, RVA has the unique knowledge and experience to meet GWMA's needs for environmental services related to CEQA and NEPA studies and compliance.

Blais and Associates (B&A) brings their premier grant writing and grant management services to the Geosyntec Team in order to provide grant-related support to the GWMA. Owned and managed by Destin and Neil Blais, who together have more than 30 years of experience in developing grant applications, B&A has a strong track record of applying for, supporting, and winning grants within the water and wastewater industry.

Collectively, the Geosyntec Team is uniquely and exceptionally qualified to provide the GWMA with all watershed planning and implementation services they may require in the coming years.

Strength and Stability

Geosyntec is financially stable with a strong balance sheet and has the necessary financial and personnel resources to provide services at the level required by the Gateway Water Management Authority. Over the past five years, Geosyntec averaged approximately \$250 million in annual gross revenues and remains debt-free. Due to steady growth and profitability, Engineering News-Record (ENR) consistently ranks Geosyntec within the nation's top 30 environmental design firms. Geosyntec has had a positive relationship with Citibank since 1992 (\$10 million untapped lines of credit). Our Dun & Bradstreet rating is IR3 ("good credit approval").

4. DISCIPLINE SPECIFIC EXPERIENCE

The Geosyntec Team is experienced and specially qualified to provide management, technical assessments, reporting, permitting, and other support services to the GWMA in the area of watershed planning and implementation.

4a. Feasibility Studies & Project/Program Report Writing

A thorough and comprehensive feasibility study is critical to help evaluate potential positive and negative outcomes of a project before a considerable amount of time and money is invested into it. From a watershed perspective, potential negative outcomes of a project could include lack of regulatory compliance, failure to meet performance metrics, or constructability issues. Geosyntec has conducted numerous feasibility studies for a variety of watershed projects in order to assess how and where maximal benefits could be achieved, including for multi-jurisdictional stakeholders. These feasibility studies have included:

- Desktop screening, using spatial analyses and locally developed models to assess potential project impacts.
- Physical design constraints identified through available data and on-site investigations, such as topography data, existing utility data, geotechnical information, groundwater elevations, and storm drain locations;
- Cost feasibility;
- Permitting and constructability evaluations; and
- Stakeholder design and delivery charrettes that foster a more efficient review process, getting projects to and through construction more quickly.

The Geosyntec Team is equipped to provide the necessary analyses and reporting to conduct project feasibility assessments, whether at a local, watershed, or regional scale.

Related Projects: NCHRP 25-51: Limitations of Infiltration; San Diego Stormwater Capture Feasibility Study; Central and West Coast Basins Distributed and Regional Stormwater Capture Feasibility Study; Renewed Measure M Environmental Cleanup Tier 1 and Tier 2 Grant Programs. **Key Personnel:** Ken Susilo, Eric Strecker, Eric Smalstig, Misty Steele

4b. Project Management

Geosyntec will lead the project assignments issued by GWMA, serving as the primary point of contact and the quality assurance enforcer on each deliverable. Since the GWMA consists of many partners, the deliverables provided by the Geosyntec Team need to adhere to the Project Mission and direction provided by GWMA, and be clear, consistent, and well-crafted documents. The project deliverables will often require and involve individuals having diverse skill sets, and it is Geosyntec's responsibility manage disparate groups of technical, operations, construction, maintenance, and administrative personnel in order to deliver cost-effective projects. Geosyntec has managed large municipal and quasi-municipal multi-disciplinary on-call engineering and professional service contracts in Southern California for almost 30 years (including regional watershed partnerships, City and County of LA, County of Orange, and individual cities within the coastal basins). This experience will be critical to GWMA's success in delivering projects.

Specific to project construction, Geosyntec has extensive capabilities to support a broad range of construction projects, alternative project delivery, and construction support services in the local area. Our role is often to 'drive the process' of design and project delivery. Typical construction services include construction management, third party review, constructability reviews, alternative project deliveries, permitting, inspections, scheduling, cost estimating, document control, change order management, submittal/RFI reviews, utility coordination, public outreach, and engineering support in a variety of disciplines (e.g., civil, environmental, geotechnical, seismic, hydrologic, hydraulic, hydrogeologic, and process engineering). For the University Park Neighborhood Rain Gardens Project, Geosyntec led the "integrated project delivery" team and managed planning, design, public outreach, and construction services, including construction oversight, inspections, document control, etc., to install 35 neighborhood rain gardens for stormwater treatment and neighborhood beautification. Geosyntec personnel have stood next to our clients, and been their representatives, at public hearings, regulatory inquiries, and on legislative committees. Geosyntec has provided litigation support and expert testimony, when needed.

Related Projects: LADWP Stormwater Capture Master Plan; Bending the River Back Into The City; University Park Rain Gardens Pilot Study
Key Personnel: Ken Susilo, Eric Smalstig, Megan Otto, David Oliver

4c. Coordination & Management of Watershed Projects

Geosyntec has extensive experience not only planning but designing, constructing, and optimizing watershed projects within the Greater Los Angeles Area (as well as throughout the United States), which has provided us with proven tools and techniques necessary to meet project budgets, schedules, and objectives, all while balancing project-specific challenges such as grant limitations, urban site constraints, and tight schedules.

- The Geosyntec team has provided design and engineering services on a number of award-winning stormwater BMPs, including an array of regional underground infiltration BMPs, natural treatment wetlands, and biofilters. Some of these projects have had challenging constraints associated with them, requiring complex, "outside-the-box" thinking such as real-time controllers, diversion pump houses, and ancillary dry wells for increased capture efficiency.
- Our team of groundwater experts has developed multiple groundwater sustainability plans and groundwater development and augmentation plans, linking surface water implementation efforts with groundwater supplies. We also have extensive experience planning, designing, permitting, and overseeing regional and subregional groundwater remediation projects, including the successful implementation of projects in the face of diverse challenges (e.g., dispersed plume conditions in highly populated areas, layered geology, multiple stakeholders, and limited discharge options).

- Geosyntec was founded in 1983 with hydrogeology as a core service area. We have prepared thousands of hydrogeologic studies and water assessments throughout the United States, including the Los Angeles Basin. Geosyntec has over 300 professional hydrogeologists nationally, 15 California certified hydrogeologists, and more than 60 'hydro-professionals' in Southern California. Geosyntec has conducted water supply assessments for private industry that require sustainable fresh water sources for their business livelihood. Water supply issues demand collaboration, both within the GWMA partners, and with other stakeholders in the Los Angeles Basin. Geosyntec actively tracks California's development and implementation of new legislation and sustainable groundwater regulation reform, and works with clients' legal representation to help interpret and apply new regulations.

Related Projects: Mill Creek Wetlands; Broadway Neighborhood Stormwater Greenway Project; Argo Drain Stormwater Project; East Side El Monte Operable Unit RD/RA San Gabriel Valley Superfund Site; Los Penasquitos Watershed Master Plan and Lagoon Restoration; Fairview Park Wetlands **Key Personnel:** Ken Susilo, Brian Petty, David Zell, Mark Hanna, Eric Smalstig

4d. Project Bid Documents, Plans, & Specifications

Geosyntec prepares drawings and specifications as part of construction documents for our clients. These plan sets may involve one to two sheets for simple project installations, to large plan sets consisting of several hundred sheets, along with associated specification and engineering packages (PS&E deliverables). In addition to the drawings and specifications, the construction documents also typically include bid forms and contract agreements. The bid forms are typically prepared by Geosyntec as the engineer and are closely coordinated with the design and the proposed construction delivery method (e.g., alternative project delivery, unit price contracts, schedule of values, etc.). Contract agreements are typically driven by the client/owner to specify required terms and conditions of a construction contract (e.g., payment terms, insurance and bond requirements, etc.). Alternatively, Geosyntec can provide a project-specific contract agreement based on industry standard contracting forms.

Geosyntec is flexible and experienced in preparing drawings, specifications, engineering packages, and bid forms in different ways to suit each project and client. For the Bending the River Back into the City Project, Geosyntec is managing and delivering the project in multiple "construction packages", allowing for delivery of the overall project in multiple phases to meet the owner's specific requirements for budget, schedule, and design development. Each construction package has its own design, permitting, and construction activities. For each of these construction packages, Geosyntec is preparing construction documents, including drawings, specifications, bid forms, and contract agreements, for contractor bidding.

Related Projects: Bending the River Back Into The City; East Side El Monte Operable Unit RD/RA San Gabriel Valley Superfund Site; University Park Rain Gardens Pilot Study. **Key Personnel:** David Oliver, Daniel Lee

4e. Regional Planning Grant Support

Blais and Associates has the abilities to provide the GWMA with all requested grant-related support. B&A has a proven track record of writing successful grant applications. Since inception, B&A has submitted over 700 different types of grant applications and funding vehicles, including formula and competitive grants. These applications represent requests for approximately \$793 million on behalf of our clients. Since 2014, B&A staff developed 258 grant applications requesting nearly \$353 million in funding across a broad range of agencies and grant programs with over 80% of these applications approved for funding. While the Geosyntec Team will depend on B&A for much of this work, Geosyntec has also helped our clients identify grant and alternative funding sources to support their projects, and has worked closely with stakeholders to implement several community based win-win projects.

Examples of these projects include the Talbert Channel Bandalong Debris Removal System and the Fairview Park Wetlands in Costa Mesa, California, supported by MiOcean grants and Corps of Engineering funding, and the Bolsa Chica Wetland Restoration accomplished with State funding and dredge mitigation offsets from the Ports of Los Angeles and Long Beach.

Key Personnel: Andrea Owen

4f. Strategic Local and Regional Planning Efforts

Geosyntec is a recognized expert for our innovative work in urban stormwater and surface water quality management, including green infrastructure design, LID planning, BMP design, hydromodification management, stream restoration and bank stabilization, and erosion and sediment control. This work is relevant for urban and stormwater master planning, municipal separate storm sewer system (MS4) compliance, total maximum daily loads (TMDLs) and watershed plans, and nonpoint source control plans. Our experts have worked with numerous cities, counties, and watershed agencies to provide local-, regional-, and watershed-scale planning studies and implementation plans for compliance with applicable regulatory criteria. These studies have included green infrastructure placement and performance analyses to assess receiving water compliance; stormwater capture planning to analyze impacts to groundwater supplies; and BMP cost analyses to determine “bang-for-buck” when it comes to implementation planning, to name a few. In order to assist in watershed planning efforts, Geosyntec led the development of the ASCE-award winning and Regional Board-approved BMP planning and costing model, the Structural BMP Prioritization and Analysis Tool (SBPAT).

In Southern California alone, we have led the development of numerous watershed management plans, including four Enhanced Watershed Management Programs in Los Angeles County; two Watershed Management Programs, including for the Upper L.A. River Reach 2; a Water Quality Improvement Plan in South Orange County and San Diego; multiple TMDL implementation plans; and LADWP’s Stormwater Capture Master Plan.

The Geosyntec Team is therefore exceptionally equipped to provide the GWMA with any and all services related to local and regional planning efforts.

Related Projects: Natural Treatment System Master Plan; South Orange County Water Quality Improvement Plan; Los Angeles Area Enhanced Watershed Management Plans; LADWP Stormwater Capture Master Plan. **Key Personnel:** Ken Susilo, Mark Hanna, Aaron Poresky, Megan Otto

4g. GIS Mapping & Data Management

Geosyntec’s broad base of highly trained scientists and engineers use GIS, 3-D imagery, and database management tools to create high-quality, cost effective solutions for our clients. Creating visual imagery is of critical importance to the GWMA’s project stakeholders, generating support for these complex projects more efficiently. Geosyntec creates informational, aesthetic work products to inform decision makers, regulators, interested stakeholders, and the general public. Geosyntec can provide crucial GIS services to support such services as soil and groundwater remediation, watershed management, and emergency response actions. Specific GIS services offered by Geosyntec staff include:

- Environmental field data management;
- Reproducible, automated data pre-processing and collection;
- Identifying relationships between various datasets to clarify model uncertainties;
- Database management and maintenance;
- Web-based GIS that allows for interactive mapping and spatial querying;

- Cartographic map design;
- App development for strategic data collection and management;
- Automation of maps for quick and consistent map generation; and
- Display and review of model outputs.

Geosyntec GIS experts incorporate data collection methods that ensure data is accurate, consistent, and efficient. Data is managed in scalable, robust applications that are flexible enough to evolve with project complexities and incorporate multiple data formats, various physical and political datasets, and current site conditions. Spatial analysis techniques and modeling applications of multidisciplinary data are applied to fully integrate space and geography into analysis. Geosyntec can provide a broad range of cartography and visualization services to ensure results are provided in clear and practical manner that can be customized to fit client needs. From our work with integrated, web-enabled spatial data systems to our ability to provide customizable information management solutions, Geosyntec has proven itself to be a leader of GIS and data management services for the environmental industry.

Related Projects: One Water Los Angeles Plan; Renewed Measure M Environmental Cleanup Tier 1 And Tier 2 Grant Programs; South Orange County Water Quality Improvement Plan. **Key Personnel:** Julie Larson, Laura Vezzoli, Stacy Luell

4h. Support of CEQA/NEPA Environmental Proceedings

Dynamic environmental laws, regulations, standards, and guidance demand a proactive approach for agencies to limit environmental risk and impacts. RVA's highly qualified and experienced team offers documentation in compliance with environmental laws and regulations including the California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), Clean Water Act (CWA), Clean Air Act, National Historic Preservation Act, Endangered Species Act, CA Endangered Species Act, CA Fish and Game Code, Migratory Bird Treaty Act, Coastal Zone Management Act, and other applicable environmental laws, regulations, policies, and state and federal Executive Orders. Environmental documents prepared at RVA address the full range of environmental and technical issues, with in-house specialists providing technical evaluation for traffic and transportation, flood control and drainage, water supply and conservation, water and utility infrastructure, water quality, air quality, greenhouse gas effects and climate change, noise, biological resources, land use, socioeconomics, utilities and services, energy conservation, visual and aesthetic effects, relevant planning, hazardous materials, neighborhood and construction effects, landform modification, agricultural suitability, regulatory permitting and many other environmental issue areas.

Key Personnel: Ruth Villalobos, Kathleen Harrison, Brandon Steets

4i. Support of IRWM Programs & Activities

Geosyntec is well-versed in integrated water resource planning and management, IRWM planning development, and project design and implementation, all at site-specific, regional catchment, city-wide, and watershed-wide scales. Geosyntec's surface water practice involves stormwater planning and design and looks to integrate these efforts with water quality, water supply (both through groundwater augmentation and water conservation from direct use), flood risk, and open space development. Relying on spatial analyses, Geosyntec's involvement with the Greater Los Angeles County (GLAC) IRWMP update which was finalized in 2014 included a compilation of water quality drivers across the GLAC region in combination with groundwater aquifers, flood control deficits, and habitat and open space needs. Advancing IRWM planning, Geosyntec has assisted both the GLAC IRWM and the Gateway IRWM Planning groups develop, and ultimately secure funding for, projects that are now implemented. The

Fernwood Water Improvement Park in the City of Lynwood is a great example where Geosyntec assisted the community, through the non-profit Alcanza, to identify the strongest project candidate to receive funding, then moved on to develop concept designs to readily convey the ideas to the project developers. Advancing the integrated water management concept through improved resource management and valuation, Geosyntec recently completed the award winning Stormwater Capture Master Plan for the Los Angeles Department of Water and Power where LADWP now recognizes the value of recharged and directly used stormwater allowing for projects to advance more quickly.

Related Projects: Integrated Regional Water Management Plan for the Greater Los Angeles County; LADWP Stormwater Capture Master Plan. **Key Personnel:** Mark Hanna, Ken Susilo

4j. PROJECT RELATED EXPERIENCE

NCHRP 25-51: LIMITATIONS OF INFILTRATION

In response to increasing nationwide pressure to infiltrate stormwater in the developed environment, NCHRP commissioned this study of the key limitations and technically based criteria associated with the feasibility, desirability, and reliability of infiltration approaches. Geosyntec conducted interviews, surveys, and case studies with more than 12 agencies across the country and in-depth technical research on key factors limiting infiltration and leading to system failure or unintended consequences. The research has yielded guidance spanning planning, investigation, design, construction, and O&M, including user tools for evaluation clogging, geotechnical risk, and groundwater contamination risk. Design and permitting guidelines were developed to improve the resilience of infiltration systems to counter a relatively high rate of failure of these systems.

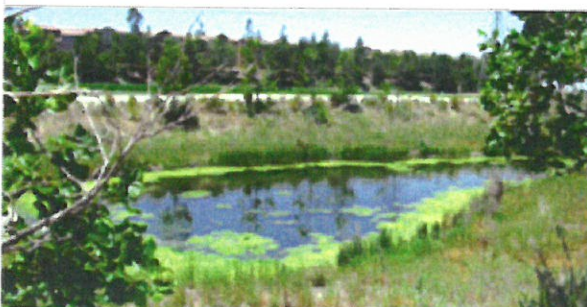


Key Outcomes

- Stormwater infiltration BMP feasibility assessments
- Detailed guidance on infiltration investigation methods
- Tool and guidance development
- Design and construction practices for improved resiliency

NATURAL TREATMENT SYSTEM MASTER PLAN

The NTS Master Plan was developed to serve as a regional treatment component in the watershed-wide BMP program for compliance with TMDLs for San Diego Creek and Newport Bay. The Plan established a network of 31 constructed wetlands to treat dry weather base flows and runoff from small storm events. Geosyntec led a consultant team that included planners, wetland and water quality experts, and water resources engineers. Our scope spanned conceptualization, evaluation, and preparation of the NTS Master Plan, including development of NTS designs and a framework for development and redevelopment projects to comply with MS4 Permit requirements through regional NTS facilities as an alternative to on-site approaches. Geosyntec has contributed to implementation of this Plan through standalone projects and as part of land development projects.

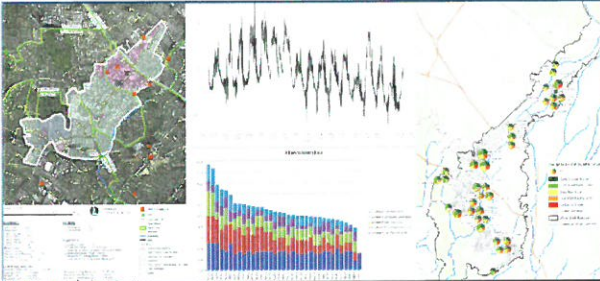


Key Outcomes

- Plan is still active and has been mostly implemented
- Major contributor to TMDL load reductions in the Upper Newport Bay Watershed
- Collaboration between Irvine Ranch Water District and the Irvine Company to implement regional treatment BMPs

SOUTH ORANGE COUNTY WATER QUALITY IMPROVEMENT PLAN

Geosyntec was the primary author of the South Orange County WQIP, a regional plan to improve water quality as required by the local MS4 Permit. Geosyntec provided overall technical leadership, including data analysis, GIS analysis, geomorphic assessment, and modeling. Geosyntec coordinated extensively with County, Copermitees, Regional Board, and Consultation Panel. The plan is expected to be approved in August 2017, including alternative compliance.



Key Outcomes

- Met regulatory expectations and criteria to qualify for alternative compliance
- Facilitated meaningful stakeholder and permittee involvement
- Developed workflows and tools to support future data analysis and plan updates

LOS ANGELES AREA ENHANCED WATERSHED MANAGEMENT PLANS

Geosyntec led and/or supported EWMP development for several Watershed Management Groups (WMGs). These WMGs included the Upper Los Angeles River Reach 2, North Santa Monica Bay, South Bay Beach Cities, Santa Monica Bay, and the Peninsula Watersheds. In each watershed, Geosyntec provided support for GIS analysis, water quality and BMP modeling, reasonable assurance analysis, and monitoring plan development. All plans were submitted and approved on schedule.



Key Outcomes

- Watershed-scale water quality improvement plan approved by Regional Board
- Watershed-based GIS analysis and modeling
- Stakeholder participation

STORMWATER CAPTURE MASTER PLAN, LOS ANGELES DEPARTMENT OF WATER AND POWER

Geosyntec led the development of a Stormwater Capture Master Plan to identify and quantify the benefits of various approaches to increase water supply in the Los Angeles Basin, in addition to providing other benefits such as pollutant load reduction and peak flow attenuation. Geosyntec compiled and analyzed an extensive list of potential stormwater capture alternatives (policies, ordinances, projects, and programs) to compare the strategic and business case aspects for each project, individually and as part of a larger suite of alternatives. The Geosyntec Team has developed centralized and distributed stormwater capture programs and projects to compare alongside the existing list, including the Tujunga and Pacoima Spreading Grounds project. Geosyntec crafted an implementation plan from the suite of selected alternatives to create a roadmap for LADWP that capitalizes on political, physical, and financial opportunities. The Plan supports coordinated efforts between LADWP and LASAN regarding TMDL implementation.



Key Outcomes

- Watershed-based analysis of various stormwater capture alternatives
- Creation of an Implementation Plan to guide project implementation
- Coordination of efforts between LADWP and LASAN

PENASQUITOS WATERSHED MASTER PLAN AND LAGOON RESTORATION

Following development of the Water Quality Improvement Plan for the Los Penasquitos Watershed in San Diego, Geosyntec was tasked with developing a high-resolution master plan for the watershed as part of the City of San Diego's implementation strategy for meeting WQIP goals. The plan will include optimized combinations of distributed BMPs, regional multi-use BMPs, stream rehabilitation, and stabilization developed to a CIP level, in order to address sediment loading to the receiving water, manage bacteria loads, reduce unnatural dry weather flows, and improve level of service for flooding in the watershed.

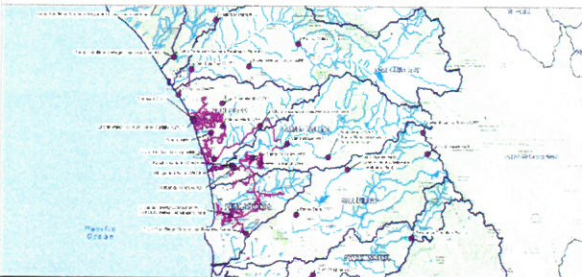


Key Outcomes

- Tasked with developing a high-resolution master plan for the watershed as part of the City of San Diego's implementation strategy for meeting WQIP goals.
- Optimized combinations of distributed BMPs, regional multi-use BMPs
- Stream rehabilitation and stabilization developed to a CIP level, to address sediment loading to the receiving water, manage bacteria loads, reduce unnatural dry weather flows, and improve level of service for flooding in the watershed

SAN DIEGO STORMWATER CAPTURE FEASIBILITY STUDY

The County of San Diego Department of Public Works Watershed Protection Program (County) requests the assistance of Geosyntec Consultants (consultant) to develop a Scope of Work indicating the information and requirements necessary to develop a Stormwater Capture and Use Feasibility Study applicable to San Diego County. As a member agency of the Integrated Regional Water Management (IRWM) planning group for the San Diego region, the objective of this task order is to provide the County with a Scope of Work (SOW) incorporating elements sufficient to apply for grant funding that may be pursued through the IRWM. The ultimate feasibility study is anticipated to include a County-Wide Analysis to determine the feasibility of planning, constructing, operating, and managing facilities that capture and use stormwater beneficially.

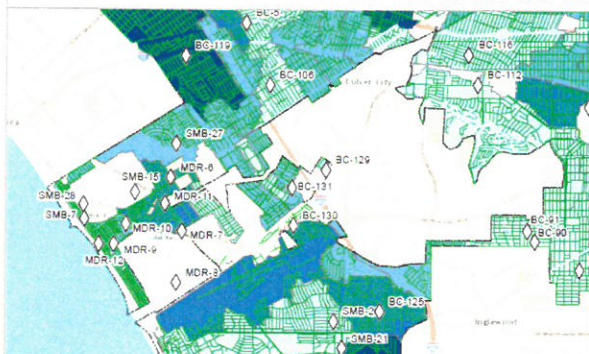


Key Outcomes

- Develop a Stormwater Capture and Use Feasibility Study applicable to San Diego County
- Provide the County with a Scope of Work incorporating elements sufficient to apply for grant funding that may be pursued through the IRWM
- Feasibility study is anticipated to include a County-Wide Analysis to determine the feasibility of planning, constructing, operating, and managing facilities that capture and use stormwater beneficially

ONE WATER LOS ANGELES PLAN

The City of Los Angeles is developing the One Water LA Plan to integrate stormwater, drinking water, groundwater, and wastewater within the City. This integration effort will be used to evaluate different alternatives for stormwater harvesting and infiltration, wastewater recycling, conservation, and aquifer protection to increase the fraction of Los Angeles's water that is locally sourced and ensure a viable water supply into the future. Geosyntec is leading the development of the Stormwater Facilities Plan of the One Water LA Plan.



Key Outcomes

- Development of a stormwater facilities master plan
- Development of master stormwater facility database for future stormwater management projects by leveraging and summarizing previous efforts
- Proposed a near-term and long-term stormwater improvement program by applying a GIS-based evaluation approach to select future projects.
- Spatial analysis of hydrologic data to support the location selection of future low flow diversion projects

MILL CREEK WETLANDS

Geosyntec was contracted as part of a Wetland Design Team to help plan and design a 145-acre-foot constructed wetland complex. Geosyntec's planning and design support role included establishment of treatment system design criteria, development of conceptual design alternatives, preliminary design studies including a water balance analysis and surface water hydrology modeling, design-level geotechnical investigations and preliminary and final treatment system design support. Geosyntec developed numerous treatment alternatives consisting of different configurations of wet ponds, free surface and subsurface wetlands, and infiltration areas. To ensure that each alternative met constructability, phasing, water quality, and aesthetic/recreation requirements, Geosyntec employed GIS and hydrologic modeling techniques in an iterative planning and design approach. To evaluate the hydraulic feasibility and treatment capabilities of each alternative, Geosyntec developed a 10-year continuous simulation hydrology-hydraulics model. Alternatives were evaluated based on these model results. Geosyntec supported environmental clearance, permitting, and the securing of over \$1 million in grant funds for the project.



Key Outcomes

- 145 acre-foot constructed wetland
- Secured over \$1 million in grant funds
- Alternative solutions evaluated using GIS

BROADWAY NEIGHBORHOOD STORMWATER GREENWAY PROJECT

The Broadway Neighborhood Stormwater Greenway Project was identified through the Central and West Coast Basins Distributed and Regional Stormwater Capture Feasibility Study as an ideal local project aimed at meeting TMDLs and recharging potable groundwater aquifers. The Feasibility Study was funded by the Water Replenishment District of Southern California (WRD) and design and implementation funding was awarded through the Proposition 84 Stormwater Grant Funding Program and the City of Los Angeles' Proposition O program. After completing the recharge prioritization and conceptual project designs for WRD, Geosyntec assisted the City of Los Angeles in developing a grant application to secure funds for implementation. Following award of the design contract, Geosyntec developed the pre-design report, performed site investigations, and developed the 100% design and specification documents for the stormwater BMPs. Geosyntec managed focused aspects during construction and performed the post-construction monitoring. Based on collected monitoring data, Geosyntec drafted the project effectiveness report for submittal to the State. Geosyntec forged the concept of neighborhood-scale phase LID implementation for this project. The final condition utilizes local capture and reduces un-utilized capacity in the regional facility. This design approach promotes efficient use of funds for LID projects and supports implementation of distributed scale LID with its associated water quality, water supply, recreation, and habitat benefits throughout neighborhoods.



Key Outcomes

- Neighborhood-scale phased LID
- Capture and infiltration of stormwater to recharge underlying aquifer
- Reduction of pollutant loading to the LA River

UNIVERSITY PARK RAIN GARDENS PILOT STUDY

Geosyntec is working with the City of Los Angeles Department of Public Works Bureau of Sanitation to capture and infiltrate urban stormwater in the University Park neighborhood and improve water quality in Santa Monica Bay. Through the University Park Rain Gardens Pilot Study, a design-build community pilot study, the City aims to encourage public participation in the upkeep and beautification of University Park and its surrounding neighborhoods. In addition, the City hopes to glean valuable data to guide future design recommendations. Thirty-five (35) rain gardens—composed of subsurface storage, soil media, and vegetation—were designed and constructed in existing parkways west of the University of Southern California. Each rain garden captures stormwater and removes associated pollutants from roadway runoff. Geosyntec provided project management for the project, overseeing subcontractors during design (including civil engineering and landscape architecture), construction, and monitoring. Rain gardens were placed in strategic locations with high and low traffic and areas with runoff from residential and commercial parcels. Geosyntec worked with the landscape architect to develop an O&M manual.



Key Outcomes

- Integrated Project Delivery for neighborhood retrofit in disadvantaged community.
- Model for development of cost-effective and safe Green Street infrastructure/standards

ARGO DRAIN STORMWATER PROJECT

The Argo Drain Stormwater BMP Project is a regional stormwater BMP that is designed to comply with Santa Monica Bay Beaches Bacteria TMDL (SMBBB TMDL), the 2012 Los Angeles MS4 Permit, and the 2015 Industrial General Permit (IGP), by reducing the amount of bacteria and other pollutants discharged to the Santa Monica Bay. The Project will treat runoff from a 2,320-acre drainage area, consisting of commercial, residential, and industrial areas that currently discharge to Dockweiler Beach. The project is designed to demonstrate IGP- and LID- related compliance specified for the applicable drainage area, to achieve the Enhanced Watershed Management Plan (EWMP) required capture efficiency of 19 percent, and to reduce the wet weather exceedances of the SMBBB TMDL receiving water limitations at the SMB 2-11 monitoring location to less than 17 per year. The recommended Project design diverts and conveys stormwater runoff from three existing major storm drain lines to an underground infiltration facility where runoff is infiltrated into the groundwater basin underneath. The proposed facility includes diversion structures, a pumping station, an 8.1-million-gallon underground infiltration gallery, and a network of infiltration dry wells.

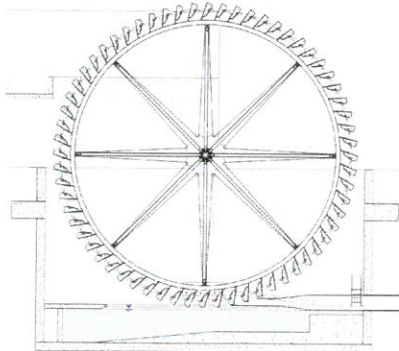


Key Outcomes

- Santa Monica Bay (SMB) EWMP and SMB Bacteria TMDL conformance using a cost-effective regional BMP
- Support for IGP and LID compliance

BENDING THE RIVER BACK INTO THE CITY

“Bending the River Back Into the City”, the Los Angeles River Water Wheel project, will deliver water from the Los Angeles River for use at the Los Angeles State Historic Park and other local City of Los Angeles park spaces. Flows from the Los Angeles River will be diverted into a 6-foot diameter tunnel underneath multiple public infrastructure to be lifted by the wheel to above ground elevation. Hydraulic energy to power the wheel will be supplied by a 7-foot inflatable dam that will span the LA River during non-storm events. The project location is near the site of the historic water wheel that operated in the mid-19th century that was constructed to deliver water to the Pueblo de Los Angeles. Geosyntec Consultants is leading the planning, permitting, and engineering components of the entire project. Engineering activities include geotechnical investigations, environmental assessments, hydraulic design, water rights, treatment and reuse system design, and water quality analyses. The project team is working closely with elected officials, the USACE, the California State Water Resources Control Board, the Regional Water Quality Control Board, the LA County Department of Public Health, the LA County Metropolitan Transportation Authority, the LA County Department of Public Works, the City of Los Angeles Bureau of Engineering, LADWP and several NGOs to ensure the aggressive project schedule is met. The project cleared CEQA in March of 2014 through the City of Los Angeles, and NEPA and the 401, 404, and 408 permits from the USACE and the Regional Water Quality Control Board are imminent. Designs are at various stages and initial construction is planned to begin in December 2017.

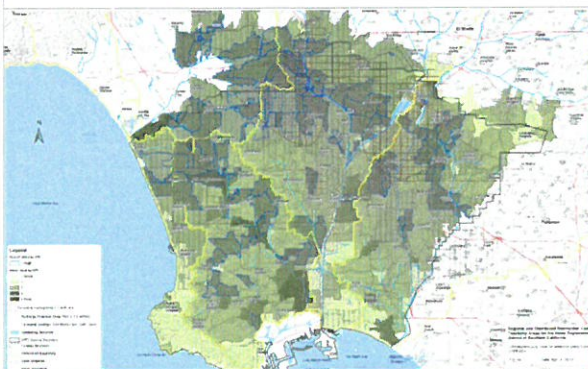


Key Outcomes

- Design of a large-scale regional stormwater project in a high-profile area
- Successful permitting of a complex project with numerous government agencies involved
- CEQA clearance

CENTRAL & WEST COAST BASINS DISTRIBUTED & REGIONAL STORMWATER CAPTURE FEASIBILITY STUDY

The Water Replenishment District of Southern California (WRD) manages the Central and West Coast Groundwater Basins (Basins) for nearly four million residents in 43 cities of southern Los Angeles County. In an effort to decrease its reliance on imported water, as a subconsultant to the Council for Watershed Health, Geosyntec investigated alternatives to capture more stormwater for groundwater recharge. WRD's 420 square mile service area is located within Los Angeles' most urbanized watersheds including those of the Los Angeles and San Gabriel Rivers. Segments of these rivers and their receiving waters are impaired and subject to existing and proposed enforceable surface water quality regulations including multiple TMDLs. To identify catchments with greatest potential to provide distributed and subregional groundwater recharge and to help reduce pollutant loading of surface water bodies, an in-depth, regional assessment was conducted using spatial analyses and locally developed models. These models included the Structural Best Management Practices Prioritization and Analysis Tool (SBPAT), the Groundwater Augmentation Model (GWAM), and the WRD/U.S. Geological Survey (USGS) MODFLOW model. The assessment considered a suite of factors important to siting groundwater recharge projects (e.g. geologic conditions, pre-existing contamination, dewatering) and local water quality objectives. Using these existing tools, datasets, and analyses, Geosyntec prioritized individual catchments for stormwater capture for groundwater recharge. Through a targeted outreach, Geosyntec identified possible sites for pilot projects and, after selection, provided concept designs within a focused area.

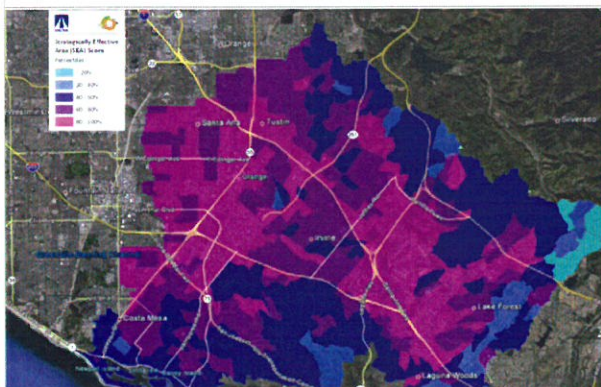


Key Outcomes

- Analyses identified approximately 10% of the 270,000 acres within the WRD service area as providing opportunities for local and regional stormwater recharge
- Water supply and quality benefit estimates
- Conceptual-level designs for identified projects
- Cost/benefit analyses conducted for project implementation

RENEWED MEASURE M ENVIRONMENTAL CLEANUP TIER 1 AND TIER 2 GRANT PROGRAMS

Orange County Transportation Authority's (OCTA) Environmental Cleanup Program provided an allocation of annual Renewed Measure M (M2) gross revenues to improve overall water quality in Orange County from transportation-related pollution through a two-tiered (Tier 1 and Tier 2) best management practice (BMP) grant funding program. Geosyntec was retained to develop early funding priorities for the Tier 2 Grant Program, as well as provide technical support and project effectiveness evaluations during the Tier 1 and Tier 2 BMP selection process. Geosyntec worked closely with both OCTA staff and the Environmental Cleanup Allocation Committee, a group comprised of stakeholders representing Orange County MS4 Permittees, watershed management areas, environmental NGOs, the Regional Water Quality Control Boards for San Diego and Santa Ana, private developers, the University of California. Through a transparent and technically defensible process, consensus was achieved and every decision was made by unanimous consent. The tools developed for this project will be used by the County and MS4s to support not only grant applications but also future MS4 requirements. Projects funded under Tier 1 and Tier 2 provide water quality benefits to all 11 major watershed within Orange County. The Measure M2 Environmental Cleanup Program was awarded for CASQA's 2014 Outstanding Stormwater BMP Implementation Project or Program.

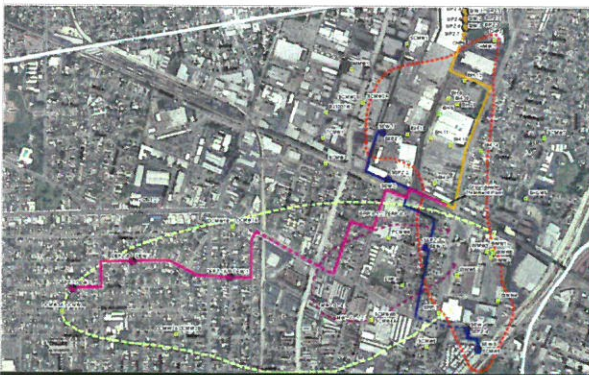


Key Outcomes

- Developed the Tier 2 Grant Program Planning Study, which utilized GIS-based technologies such as the Structural BMP Planning and Analysis Tool (SBPAT), to identify and categorize (on a watershed basis) the most strategically effective areas for implementation of structural treatment BMPs to reduce transportation-related impacts
- Performed technical evaluation of project effectiveness in improving dry- and wet-weather runoff water quality using spreadsheet tools and GIS-based modeling technology.
- Facilitated multi-jurisdictional partnerships for leveraging other funding grant opportunities.

EAST SIDE EL MONTE OPERABLE UNIT RD/RA SAN GABRIEL VALLEY SUPERFUND SITE

In 2002, Geosyntec was retained by a multi-party PRP group to provide overall technical strategy for Good Faith Offer and Consent Decree Statement of Work negotiations with EPA Region 9 and for the RD/RA implementation of the eastern shallow and southern deep portions of the El Monte Operable Unit (EMOU) of the San Gabriel Valley Superfund Site. Site investigations were needed to evaluate the plume and hydrogeologic conditions, and a groundwater remedy was needed to address the conditions in a way that would comply with the Consent Decree and cost-effectively address the plume conditions. Geosyntec has conducted several phases of hydrogeologic investigative work, developed a regional groundwater model, provided engineering design and permitting services, and is now managing the construction of the shallow and deep zone remediation systems. Given the challenges involved in the project (i.e., dispersed plume conditions in highly populated areas, layered geology, multiple stakeholders, and limited discharge options), Geosyntec proceeded to design a groundwater remedy that was acceptable to USEPA and the various stakeholders. The shallow zone remedy located within the City of El Monte consists of 5 extraction wells, 11 piezometers, 10,200 feet of conveyance piping, ex-situ treatment with liquid granular activated carbon (LGAC), and 3 re-injection wells. The deep zone remedy, located in the cities of Rosemead and El Monte, consists of 3 production wells, 3 piezometers, 10,600 feet of conveyance piping, ex-situ treatment with LGAC, and deliverance to the El Monte municipal water distribution system.



Key Outcomes

- Construction management and O&M services.
- Compliance with various and complex EPA, State, and local requirements.
- Geosyntec developed multiple routing options for conveyance piping, and led community outreach efforts to obtain approval for the final routing system.

INTEGRATED REGIONAL WATER MANAGEMENT PLAN FOR THE GREATER LOS ANGELES COUNTY

Geosyntec led the technical analyses for water quality and open space planning for the Greater Los Angeles County Integrated Regional Water Management Planning (IRWMP). Geosyntec's scope of services included analyses to define appropriate stormwater, water quality, and open space targets for the region while investigating potential climate change impacts such as coastal inundation, seawater intrusion, and species migration. Leading a small team of internal and external state-renowned specialists in water quality, conservation ecology, and recreation, Geosyntec developed "ecosystem services" planning tools. These tools, detailing potential water resource benefits to surface water quality and supply, also provide guidance to habitat and recreation planners to help understand future requirements. Additionally, Geosyntec led the development of habitat and recreation targets for the region working with multiple entities, including, but not limited to, the US Army Corps of Engineers, the Los Angeles Department of Water and Power, the California State Water Resources Control Board, and several habitat-based non-profit organizations.



Key Outcomes

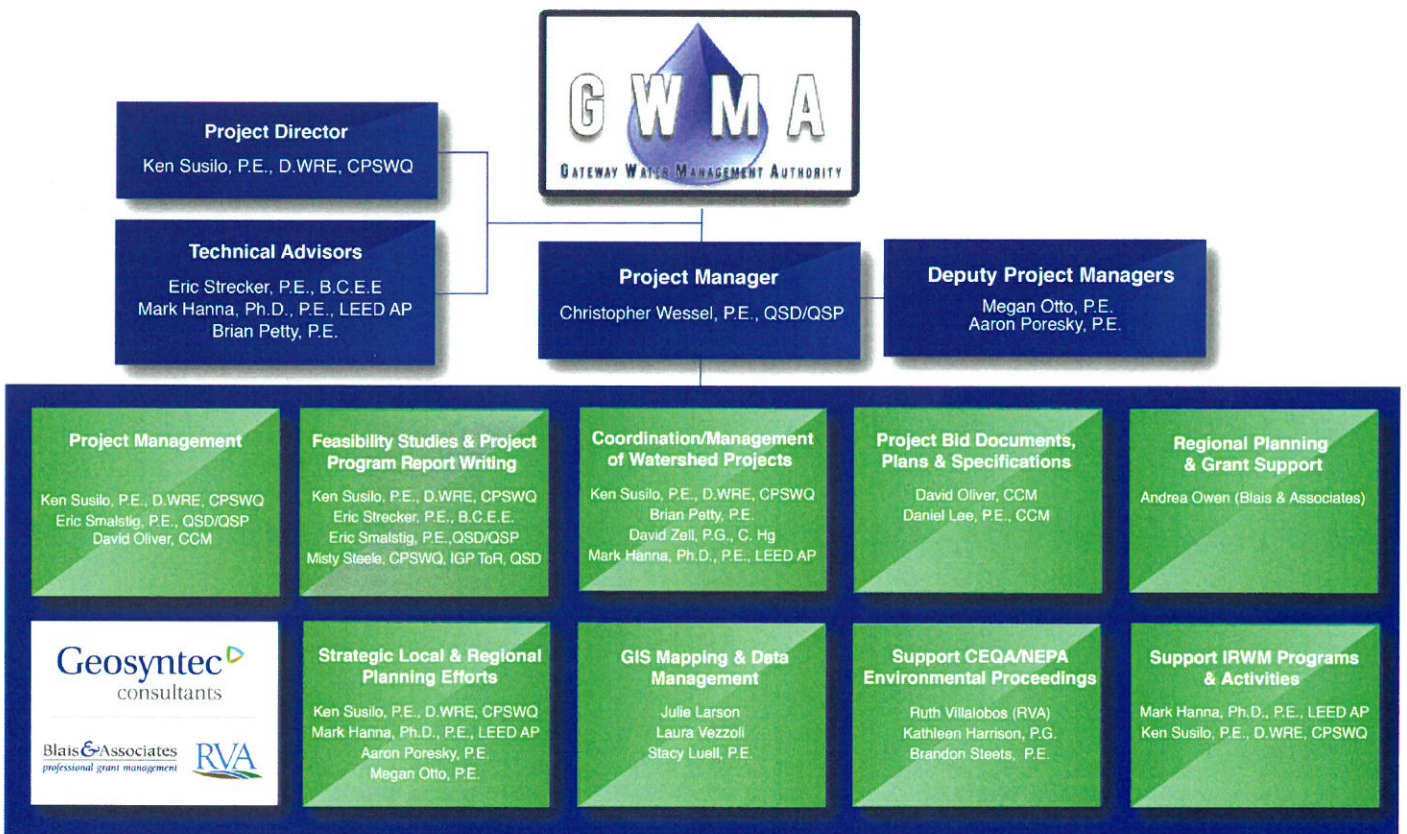
- Led the development of goals, objectives, and targets for Surface Water Quality, Flood Management, and a comprehensive county-wide Open Space Plan for Habitat and Recreation for the Greater LA County IRWM.
- Analyzed multiple spatial datasets enabling the implementation of open space strategies to work with various agencies impacting surface water quality and potential groundwater recharge to ensure consistency with statewide IRWM objectives and planning targets.
- Developed guidelines and a "benefits calculator" for open space proponents to identify the water quality and potential recharge benefits that their projects offer.

5. CLIENT REFERENCES

<p>Gina Nila, Deputy Director, Public Works Operations City of Commerce 2535 Commerce Way Commerce, CA 90040 E-mail: ginan@ci.commerce.ca.us Phone: 323.722.4805</p>	<p>Wing Tam, Assistant Division Manager City of Los Angeles Sanitation 1149 S. Broadway Los Angeles, CA 90015 E-mail: wing.tam@lacity.org Phone: 213.485.3985</p>
<p>Elaine Jeng, Public Works Director City of El Monte 11333 Valley Boulevard El Monte, CA 91731 E-mail: ejeng@elmonteca.gov Phone: 626.580.2073</p>	<p>Eric Mosolgo, Senior Civil Engineer City of San Diego 9370 Chesapeake Drive, #100 San Diego, CA 92123 E-mail: emosolgo@sandiego.gov Phone: 858.541.4337</p>
<p>Dan Phu, Environmental Programs Manager Orange County Transportation Authority 550 S. Main Street Orange, CA 92868 E-mail: dphu@octa.net Phone: 714.560.5907</p>	<p>Rafael Villegas, Manager Watershed Management Group Water Resources Division Los Angeles Department of Water and Power 111 N. Hope Street Los Angeles, CA 90012 E-mail: rafael.villegas@ladwp.com Phone: 213.367.1289</p>

6. PROJECT TEAM & STAFF PROJECT ORGANIZATION

6a. Team Organization Chart



6b. Project Team Bios

Geosyntec, RVA, and Blais & Associates have formed a versatile, well-rounded team to support the GWMA with a variety of watershed management efforts. Our team offers a compelling combination of technical capabilities and experience designed to address key challenges within the GWMA jurisdiction.

Ken Susilo, PE, D.WRE, CPSWQ is a Professional Engineer, Diplomate Water Resources Engineer, and Certified Professional in Water Quality. He has over 25 years of experience in planning, permitting, engineering, design, hydraulics, hydrology, stormwater management, and integrated water resources. He has actively investigated alternative project delivery methods, funding approaches, asset management, and Triple Bottom Line assessments for project and program implementation. His projects have been recognized by the American Society of Civil Engineers (ASCE), Water Environment Federation (WEF), California Stormwater Quality Association (CASQA), American Public Works Association (APWA), League of California Cities, and California Water Environment Association (CWEA). Mr. Susilo has served as an Expert Witness in cases involving storm water, hydrology, flooding, sediment fate and transport, and water quality. Mr. Susilo recently served on the WEF Stormwater Steering Committee, co-chairing the subcommittee for Technical Excellence. He is the managing Senior Principal of Geosyntec's Los Angeles office, and recently served on Geosyntec Consultants' Board of Directors.



Chris Wessel, P.E., QSD/QSP - is a Senior Engineer and Qualified SWPPP Developer and Practitioner. He has over eight years' experience in hydraulics, hydrology, computer modeling, and stormwater management. In his seven-plus years at Geosyntec, his project experience has included topics such as stormwater planning and BMP design; hydraulic and hydrologic modeling, with an emphasis on BMP design and evaluation; environmental planning for MS4 Permit compliance; stormwater pollution prevention plan development and NPDES permitting under the California Construction General Permit; and compliance monitoring programs. Recently, Chris served as Geosyntec's Project Manager in completing the Pre-Design Report and assisting with 100% Design for the Argo Drain Stormwater Infiltration Project, a sub-surface infiltration gallery designed for construction near LAX. He also served as the Assistant PM for design and monitoring of the Broadway Neighborhood LID Project, which included dry wells and sub-surface infiltration galleries. Chris served as a lead contributor for the development of the City of Los Angeles' Low Impact Development Handbook, and served as a project manager for the development and implementation of numerous Enhanced Watershed Management Programs (EWMPs) in Los Angeles.



Eric Strecker, P.E., BCEE, is a Principal Water Resources Engineer and Fisheries Biologist with focuses on the design, monitoring, and evaluation of stormwater best management practices (BMPs), the development of major project and watershed master plans and the overall assessment and management planning to protect aquatic resources. He has provided technical direction and assistance to public and private sector clients in stormwater master planning, National Pollutant Discharge Elimination System (NPDES) municipal, industrial, and construction permitting, Total Maximum Daily Loads (TMDLs), surface water pollution assessment and control, and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) surface water compliance orders for more than 30 years. Mr. Strecker has also designed NEPA and CEQA compliance hydrology and water quality monitoring programs, and has participated in development of a number of the tools and data sets that are used for NEPA/CEQA analyses, including performing Principal

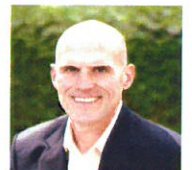


Investigator roles with Federal Highway Administrations Highway Runoff Characterization and Highway Runoff Impact methodology; the International BMP Database; and Water Environment and National Cooperative Highway Research Program. These efforts resulted in National Level guidance on BMP selection and design for water quality and hydromodification controls. He was awarded the “State-of-the-Art in Civil Engineering Award” by the American Society of Civil Engineers National in 2003 for his efforts on the International BMP Database. He continues to advance the state of the practice by conducting as a Principal or Co-Principal Investigator applied national and local research studies.

Eric Smalstig, P.E. QSD/QSP – has over 25 years of experience with civil infrastructure related to surface water control and water quality improvement. Building on his environmental engineering background in the realm of water resources protection and NPDES compliance, Eric understands the need to bring various stakeholders together to become part of the vision of the LB-MUST project. Eric has an in-depth knowledge of municipal, industrial, and construction NPDES programmatic requirements, and has developed BMPs tailored to both small- and large-scale surface water protection projects. He has served as both the Technical Lead and Project Director on multiple large-scale infrastructure and water resources projects that are currently built and operating including Bolsa Chica Wetlands, Fairview Park treatment wetlands, Mill Creek Wetlands, Los Cerritos Wetlands (alternatives assessment), and Huntington Beach wetlands. He has led design teams involved in channel re-designs for water quality improvement including Lane Channel, Santa Ana Delhi/Newport Back Bay, and Santa Ana River Marsh in Orange County.



Brian Petty, P.E. - is a Senior Principal, as well as the leader of Geosyntec's nationwide process engineering group, which provides services in process engineering, water and wastewater management/treatment, site assessment, field investigations, remediation system design and monitoring, optimization, and operation. Mr. Petty also has extensive experience in conducting treatability studies, preparing detailed cost analyses, and performance and compliance monitoring.



Misty Steele, CPSWQ, IGP ToR, QSD - has over 14 years of experience in environmental consulting which includes regulatory compliance program management, stormwater general permit compliance, phase I and phase II site assessments, and routine monitoring and reporting activities. Misty provides stormwater general permit consulting and compliance services to clients in Orange, Kern, and Los Angeles Counties. Misty leads several large on-call environmental and surface water contracts for municipalities. She has also developed practice leadership in the technical details related to the Industrial General Permit, assisting clients in responding to the budget and technical challenges of BMP implementation, as well as providing litigation support.



Megan Otto, P.E., is a Water Resources Project Engineer based in California. She has ten years of experience in engineering feasibility studies, watershed planning, stormwater monitoring and reporting, municipal and industrial NPDES permit support, hydrologic and hydraulic modeling, and litigation support. Ms. Otto has managed or assisted with multiple watershed planning projects which have required significant inter-agency cooperation and logistical planning. Notable project work includes the development of multiple Enhanced Watershed Management Programs (EWMPs) under the Los Angeles County Municipal Separate Storm Sewer System (MS4) Permit, pre-design planning for several large-scale stormwater treatment projects, and continued support of an individual NPDES Permit through stormwater



monitoring and BMP siting and design for an industrial client in Los Angeles County. In 2008, Ms. Otto was recognized by American Society of Civil Engineers (ASCE), Metropolitan Los Angeles Branch as an Outstanding Younger Civil Engineer.

David Oliver, CCM is a Senior Construction Manager with more than 34 years of experience in general construction and environmental remediation, specializing in management, design build/value engineering, design review for constructability, problem resolution, contract administration, project controls, quality assurance/quality control (QA/QC). His experience includes projects in public utilities, soil and groundwater remediation under CERCLA and RCRA, landfill leachate and landfill gas controls, landfill closure, the space and defense industries, and in dealing with local, state, and federal regulatory agencies. Past projects have included design and construction services for groundwater, leachate, and semi-conductor manufacturer wastewater treatment systems, building demolition, excavation and disposal of PCBs, VOC- and hydrocarbon-laden soils; installation of underground utility systems, mechanical and electrical system installation, and building construction. Mr. Oliver has managed construction projects and coordinated Brownfield redevelopment projects. He has supervised the preparation of project schedules and cost estimates and managed project cost tracking. In addition, Mr. Oliver has supervised subcontractors, monitored on-site health and safety, managed field construction, operation and maintenance and contract administration staff.



David Zell, P.G., C.Hg. is an environmental hydrogeologist with 17 years of work experience. He has a strong background in project management, site investigation and remediation strategies, data collection procedures, permitting, and environmental analysis. He is proficient in regulatory initiatives necessary to ensure compliance in the following areas: Drinking Water Program, groundwater and soil remediation, well design, aquifer testing, groundwater re-injection, groundwater monitoring programs, vapor intrusion assessment, quality assurance of data collection and reporting, health and safety, and permit acquisition. Mr. Zell has managed several large multifaceted projects during his career covering broad and diverse scopes of work, including: (1) implementation of re-injection and drinking water end uses for groundwater pump and treat systems; (2) soil vapor extraction and sub-slab mitigation systems to address the vapor intrusion pathway and/or risk to groundwater; (3) development of groundwater flow models for groundwater remedy design; (4) development of aquifer testing programs; (5) site assessment of impacts to groundwater, soil, soil vapor and surface water; (6) geologic mapping, and (7) evaluation of in-situ remediation alternatives. Mr. Zell has prepared and presented reports for municipalities, SWRCB DDW, EPA, DTSC and the RWQCB. Mr. Zell has also managed a CEQA Initial Study/mitigated negative declaration for a large water supply project and has prepared discharge option studies, aquifer test reports, groundwater monitoring reports, soil management plans, remedial action work plans, treatability studies, and SVE pilot studies.



W. Mark Hanna, Ph.D, P.E., LEED[®], APLEED[®] AP - is a senior principal with 20 years of experience in integrated water resources, including water resource planning, multi-benefit project development, surface water/groundwater design, hydrology and hydraulics, stormwater management, and stakeholder and community outreach. His most recent experience has been in developing master plans and feasibility studies prioritizing water supply, water quality, flood risk management, and open space development. Dr. Hanna spent seven years as a water resources engineer for the Los Angeles Department of Water and Power, and during this time he developed multiple stormwater capture projects including centralized spreading grounds, subregional facilities, and distributed infrastructure.



Daniel Lee, P.E., CCM - has over 12 years of experience working on a variety of public and private development projects in all phases of the project life cycle including planning, engineering design, regulatory compliance, and construction management. His experience focuses on stormwater facilities and other various infrastructure projects. Other work experience includes alternative project deliveries; hydrology and hydraulics modeling; stormwater management; infrastructure planning; and design of streets, potable and recycled water, drainage, and sanitary sewer facilities. Mr. Lee's expertise and technical familiarity with detailed design and construction of stormwater facilities as well as other civil infrastructure will be an asset to the GWMA team.



Aaron Poresky, P.E., is a Senior Engineer - supporting clients in the municipal, private, and applied research sectors with challenging issues related to watershed management. He has more than 11 years of professional experience, including high profile and complex projects related to stormwater management, green infrastructure/low impact development, groundwater augmentation, integrated planning, stream protection/restoration, flood risk mitigation, environmental monitoring, and litigation. Mr. Poresky has supported major projects from initial conceptual development and feasibility studies, through design, permitting and construction, including the award-winning Mill Creek Wetlands and Malibu Legacy Park projects. He is one of Geosyntec's practice leaders in stormwater modeling, green infrastructure research, guidance, and implementation. He is also one of Geosyntec's practice area leaders in continuous monitoring and adaptive control of stormwater infrastructure.



Julie Larson - has most recently been involved in planning-level stormwater management projects driven by NPDES permit and TMDL compliance. More specifically, she has conducted watershed-scale studies to optimize stormwater management strategies based on watershed geography and hydrology. For such projects, she is able to integrate her background in geomorphology and hydrology with practical tools such as GIS and hydrologic models to come up with well-informed solutions. Ms. Larson also has a background in coastal sediment management and tidal wetlands restoration.



Laura Vezzoli - provides more than 10 years of experience in environmental database development and management. She also specializes in using GIS applications with environmental data platforms. Ms. Vezzoli performs spatial data management within the ArcView environment, as well as utilizing GIS software to develop, convert, process, analyze, and output spatial data. She also specializes in obtaining publicly-available GIS coverages for groundwater and environmental data (i.e., supply well and monitoring well location and construction data, groundwater levels, and chemistry data, etc.) for use in project analyses. Ms. Vezzoli is capable of creating customized and secure web-based applications for clients using ArcGIS Server. The applications allow the Geosyntec team, as well as client personnel, to view and analyze project data from a secure website.



Andrea Owen, Blais & Associates - has over 20 years of experience leading, developing, and implementing written products. Andrea holds a B.A. in Journalism from Pepperdine University and a M.B.A. from the University of Hawaii. She guides a three-member team and is often supported by B&A's bench of writers to help meet deadlines. She has mastered all of the essential qualities needed for successful grant writing including: developing a schedule with key milestones; leading conference calls or meetings with multiple partners; outlining and writing persuasive narrative; understanding technical issues including engineering reports, water quality reports, environmental law, etc. and applying relevant parts of technical reports to grant applications; developing logical budgets based on technical and detailed engineering reports; performing cost-benefit analyses using state agency software models, etc.; working with funding agencies to communicate questions or solve problems during a grant writing assignment; staying on task and on budget; tracking grant submissions through to the funding or denial phase; and requesting and coordinating debriefings for unfunded proposals. In her time at B&A, she has worked on a host of water and wastewater related grant applications, including: a \$72.6 million loan from the California Clean Water State Revolving Loan Program, on behalf of the Western Riverside County Regional Wastewater Authority; a \$13.8 million grant award from the California Proposition 1 program for the California Rural Water Association; a \$9.5 million grant award from the California Proposition 1 stormwater flood management program, for the City of Rancho Palos Verdes; and a \$5.8 million award from the California Department of Public Health Safe Drinking Water revolving fund for Elsinore Valley Municipal Water District.



Ruth Villanobos, RVA - is a nationally recognized leader in planning and environmental issues. She worked for the US Army Corps of Engineers for 34 years, serving as Chief, Planning Division of the Los Angeles District. She was also the Acting Deputy District Engineer. While with the Corps, Ms. Villanobos oversaw the development of congressional planning decision documents, including reconnaissance and feasibility studies with Environmental Impact Statements/Reports. She provided leadership and direction in formulating economically justified, environmentally sustainable, engineering feasible projects for flood risk management, navigation, ecosystem restoration, water conservation, recreation, and special studies. She was also responsible for environmental analysis, compliance, and permits for all District projects in planning, design, construction and operations, and negotiated issues resolution with local sponsors, resources agencies, and special interest groups, elected officials and the general public. She was responsible for preparation of several thousand NEPA/CEQA documents for public agencies.



7. PROJECT APPROACH & UNDERSTANDING

The Geosyntec Team understands that the GWMA may request support for a variety of watershed-related services, including those discussed above. Whatever the request may be, the Geosyntec Team will always strive to deliver a high-quality work product on time and under budget. As a team that always aims to promote quality in our services and work products, our goal is to consistently enhance the satisfaction of our clients, the performance and safety of our staff, and the reliability of our solutions.

7a. Quality & Client Service

Geosyntec maintains a high level of project quality and responsiveness to provide excellent client service. We believe the most important element of client service and quality management lies in prompt, clear, and open

communication. We are also strongly committed to staff development and mentoring to ensure our practitioners have the support they need to thrive and deliver in challenging situations and grow personally. In addition, we maintain and adhere to a formal quality management system (QMS), with protocols tailored to specific types of projects developed by senior practitioners in the specific areas of expertise. This QMS is a set of policies, procedures, and guidelines in place to provide a means for the project team to implement the firm's quality and risk management program and achieve the program's quality goals. The intent of the Geosyntec QMS is to implement a systematic approach to Quality Assurance/Quality Control (QA/QC) in a manner that is technically sound and legally defensible, and produces results of known and documented quality.

Every deliverable to the client is peer and senior reviewed at least once (often more) prior to delivery to the client. All peer and senior reviews are documented with Geosyntec's online document quality control system, which keeps track of the project and report or material reviewed, the name of the person who requested the review, when the peer/senior review was completed and when the review comments were resolved. All completed peer/senior reviews are retained in the project file.

During the term of the contract agreement, it is the responsibility of the project manager and QA/QC manager to communicate applicable QMS requirements to the entire project team, which includes subcontractors and subsidiaries, and to see to it that these requirements are built into project work plans and/or work processes. Typically, the project manager communicates all the QA/QC requirements and protocols to the project team at the project kickoff meeting, and reiterates these requirements throughout the duration of the project. In addition, the project manager is responsible for confirming that all internal and external project personnel have the appropriate training and experience to both execute their project assignments and implement the QMS requirements that attach to the assignments.

Lastly, our "sell-manage-do" business model requires that our most senior and experienced practitioners are actively engaged in project execution, quality control, and staff development. This ensures a consistently high level of quality and ensures that decades of experience are reflected in the product of each staff assignment.

7b. Budget & Schedule Compliance

Our core approach for budget and schedule compliance lies in timely and open communication, both within our project team and with the GWMA. For each assignment that may arise from the GWMA, Geosyntec will first meet with GWMA staff to understand the requested assignment. Detailed costs and schedules associated with each task order will then be developed and discussed with the GWMA project manager. During the execution of the work, Geosyntec will regularly update and report project schedule and associated budgets. We use industry-leading cost tracking software to track direct project costs, indirect costs, labor, subcontractors, and other direct costs by project, task, and subtask on a weekly basis, allowing us to promptly resolve any deviations from the approved budget as they occur.

7c. Availability

In addition to the key Team members listed above, the Geosyntec Team has a deep bench of highly qualified engineers and scientists able to provide requested support. With 165 staff in the Southern California region, the Geosyntec Team is available to support the GWMA as needed for the duration of the on-call te

8. BILLING RATE SCHEDULE

GEOSYNTec CONSULTANT 2017 RATE SCHEDULE	
	Rate/Hour
Staff Professional	\$112
Senior Staff Professional	\$132
Professional	\$152
Project Professional	\$174
Senior Professional	\$195
Principal	\$215
Senior Principal	\$235
Engineering Technician I	\$ 53
Engineering Technician II	\$ 64
Senior Engineering Technician I	\$ 68
Senior Engineering Technician II	\$ 74
Site Manager I	\$ 82
Site Manager II	\$ 92
Construction Manager I	\$104
Construction Manager II	\$112
Designer	\$122
Senior Drafter/Senior CADD Operator	\$110
Drafter/CADD Operator/Artist	\$ 94
Project Administrator	\$ 62
Clerical	\$ 49
Direct Expenses	Cost plus 10%
Subcontract Services	Cost plus 12%
Technology/Communications Fee	3% of Professional Fees
Specialized Computer Applications (per hour)	\$ 12
Personal Automobile (per mile)	Current Gov't Rate
Photocopies (per page)	\$.08

Rates are provided on a confidential basis and are client and project specific. Unless otherwise agreed, rates will be adjusted annually based on a minimum of the Producer Price Index for Engineering Services (PPI). Rates for field equipment, health and safety equipment, and graphical supplies presented upon request.

9. LIST OF SUBCONSULTANTS

9a. Blais & Associates

Blais & Associates
professional grant management

Headquartered in Texas, Blais & Associates, Inc. (B&A) has offices in California, Colorado, and Oklahoma. B&A was launched in 2000 and incorporated in May 2005. B&A is fiscally healthy and does not have any conditions (e.g., bankruptcy, pending litigation, or planned office closures) that could impede our ability to serve the GWMA. B&A is owned and managed by Destin and Neil Blais who together have more than 30 years of experience in developing grant applications and for-profit proposals, grant and project management, and government relations.

B&A has direct relevant experience with water and wastewater services. Clients in these markets include Corona Department of Water and Power (\$7.1 million), Pasadena Water and Power (\$1.4 million), Elsinore Valley Municipal Water District (\$10.9 million), East Valley Water District (\$2.0 million), the California Rural Water Association (\$15.5 million), Farmersville Wastewater (\$7.4 million), and Las Gallinas Valley Sanitary District (\$41.0 million).

B&A is a corporate member of the Grant Professionals Association, the American Grant Writers Association, and the National Grant Management Association.

9b. Ruth Villalobos & Associates, Inc.



Ruth Villalobos & Associates, In. (RVA) has experienced professionals that specialize in the preparation of defensible Environmental Documents (California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA)); regulatory permitting and compliance; the facilitation of permits through the necessary agencies; Environmental Permit Compliance; Mitigation planning, design, surveys, monitoring, tracking, and reporting; and Community Outreach and Public Relations. Although their team offers documentation in compliance with various environmental laws and regulations including the Clean Water Act (CWA), the Clean Air Act (CAA) and other applicable State and Federal environmental laws, regulations, and policies, their specialty remains CEQA and NEPA assistance.

RVA has the knowledge and experience to meet GWMA's needs for environmental services that include CEQA and NEPA studies and compliance; environmental site assessments; habitat evaluation; regulatory permitting and compliance; public outreach; and technical analysis that include biological and cultural resources, air quality, greenhouse gas, noise, water quality, traffic analyses, and the full gamut of resource analyses for any CEQA and NEPA document.

EXHIBIT A - PROFESSIONAL SERVICES AGREEMENT

Geosyntec respectfully submits the following for GWMA consideration:

Section 8 – Indemnification

- Indemnification obligations for professional services have been revised under California Civil Code section 2782.8 (CA Code 2782.8) which place limits on such items as indemnities for third party independent contracting agents, the defined negligent acts or willful misconduct of the consultant, and fees covered;

Section 9 – Insurance

- Geosyntec carries insurance in excess of industry norms – our insurance provides protections against insurable indemnities that are associated with the above comment;

Section 10 – Attorney’s Fees

- Each party is responsible for certain costs, including attorney’s fees, in accordance with CA Code 2782.8, including recovery of the respective portion of those costs for the prevailing party.

Geosyntec represents and supports and protects our clients to the standard of care that our client’s expect. Geosyntec is pleased to discuss the provisions of the agreement language with GWMA.

PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement (“Agreement”) is dated and effective NOVEMBER 9, 2017, and is between the Los Angeles Gateway Region Integrated Regional Water Management Authority also referred to as the Gateway Water Management Authority (“GWMA”) and GEI Consultants (“Consultant”).

The parties agree as follows:

SECTION 1 - SCOPE OF SERVICES

Consultant shall provide the services (the “Services”) described with each requested scope of services upon GWMA’s approval of cost, schedule and any other applicable terms.

SECTION 2 - TIME FOR PERFORMANCE

The term of this Agreement shall commence on the effective date of this Agreement and expire on November 9, 2022, unless earlier terminated in accordance with the terms of this Agreement or extended by the Project Manager or GWMA Chair.

SECTION 3 - STANDARD OF PERFORMANCE

Consultant’s services shall be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant’s profession currently practicing under similar conditions. By delivery of completed work, Consultant certifies that the work conforms to the requirements of this Agreement and all applicable federal, state and local laws and regulations. Consultant shall maintain throughout the term of this Agreement all licenses, certifications, registrations or other similar requirements necessary for Consultant’s performance of services under this Agreement.

SECTION 4 - OWNERSHIP OF WORK PRODUCT

Upon delivery, the work product, including, without limitation, all original reports, writings, recordings, drawings, files, and detailed calculations developed under this Agreement (collectively “work product”) are GWMA’s property. All copyrights that arise from work product shall vest in GWMA. Consultant waives and relinquishes all claims to copyright or other intellectual property rights in the work product in favor of GWMA. GWMA’s use of the work product is limited to the purposes contemplated by the Services and Consultant makes no representation of the suitability of the work product for use in or application to circumstances not contemplated by this Agreement. Any alteration or reuse by GWMA of the work product on any project other than the Services provided pursuant to this Agreement shall be at GWMA’s sole risk, unless GWMA compensates Consultant for such alteration or reuse.

SECTION 5 - COMPENSATION AND METHOD OF PAYMENT

GWMA shall pay Consultant, for the Services performed based on the proposal/quote received and accepted for each scope of work.

Consultant shall perform the Services for the amount(s) listed for each scope of work. GWMA shall not withhold federal payroll, state payroll and other taxes, or other similar deductions from each payment made to Consultant. Consultant shall pay all applicable federal, state, and local excise, sales, consumer use, and other similar taxes required by law. GWMA shall not allow any claims for additional services performed by Consultant, unless the Project Manager or GWMA Chair authorizes the additional services in writing prior to Consultant's performance of the additional services or the incurrence of additional expenses. Any additional services authorized by the Project Manager or GWMA Chair shall be compensated at the hourly rates set forth above, or, if not specified, at a rate mutually agreed to by the parties. Consultant shall submit invoices to GWMA on a monthly basis for actual work performed and actual expenses incurred during the preceding month. The invoices shall describe in detail the services performed by each person for each task, including the days and hours worked. GWMA shall review the invoices and notify Consultant in writing within ten (10) business days of any disputed amounts. GWMA shall pay all undisputed portions of the invoices within thirty (30) calendar days after receipt up to the maximum amount of compensation specified above. GWMA shall make payment payable to: GEI Consultants, P.O. Box 843005, Boston, MA 02284-3005.

SECTION 6 - INDEPENDENT CONTRACTOR

Consultant is an independent contractor. Neither Consultant nor any of Consultant's officers, employees, agents or subconsultants, if any, shall be an employee of GWMA or its members by virtue of this Agreement or performance of the Services under this Agreement.

SECTION 7 - CONFLICT OF INTEREST

Consultant and its officers, employees, associates and sub consultants, if any, shall comply with all applicable conflict of interest statutes of the State of California applicable to Consultant's Services under this Agreement, including, the Political Reform Act (Cal. Gov. Code § 81000, *et seq.*) and Government Code Section 1090.

SECTION 8 - INDEMNIFICATION

Indemnities. Consultant shall indemnify, defend and hold harmless GWMA, and its officials, officers, attorneys, agents, employees, designated volunteers, successors and assigns in accordance with the terms of this Section 8. Consultant's covenant under this Section 8 shall survive the expiration or termination of this Agreement.

To the fullest extent permitted by law, Consultant hereby agrees, at its sole cost and expense, to protect, defend, hold harmless and indemnify GWMA, its officials, officers, attorneys, agents, employees, designated volunteers, successors, assigns and those GWMA agents serving as independent contractors in the role of GWMA officials (collectively "Indemnitees") from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, expenses, judgments, penalties, liens, and losses of any nature whatsoever,

including fees of accountants, attorneys, or other professionals and all costs associated therewith and the payment of all consequential damages (collectively “Claims”), in law or equity, whether actual, alleged or threatened, which arise out of, pertain to, or relate to the acts or omissions of Consultant, its officers, agents, servants, employees, subconsultants, suppliers or their officers, agents, servants, employees, subconsultants, contractors (or any entity or individual that Consultant shall bear the legal liability thereof) in the performance of this Agreement, including the Indemnitees’ active or passive negligence, except for Claims arising from the sole negligence or willful misconduct of Indemnitees, as determined by final arbitration or court decision or by the agreement of the parties. Consultant shall defend Indemnitees in any action or actions filed in connection with any Claim with counsel of Indemnitees’ choice, and shall pay all costs and expenses, including all attorneys’ fees and experts’ costs actually incurred in connection with such defense. Consultant shall reimburse Indemnitees for any and all legal expenses and costs incurred by Indemnitees in connection therewith.

The indemnity under this Section 8 is effective regardless of any prior, concurrent, or subsequent misconduct, negligent acts, errors or omissions of the Indemnitees and without reference to the existence or applicability of any insurance coverages that are required under this Agreement or any additional insured endorsements that may extend to the Indemnitees. The indemnity under this Section 8 is in addition to any other rights or remedies that the Indemnitees may have under the law. Payment is not required as a condition precedent to the Indemnitees’ right to recover under this Section 8, and an entry of judgment against Consultant shall be conclusive in favor of the Indemnitees’ right to recover under this Section 8. Consultant shall pay Indemnitees for any attorneys fees and costs incurred in enforcing these indemnification provisions.

SECTION 9 - INSURANCE

Insurance Requirements.

Consultant shall at all times during the term of this Agreement carry, maintain, and keep in full force and effect, the following policies of insurance with minimum limits as indicated below and issued by insurers with A.M. Best ratings of no less than A:VII:

“Occurrence Form” Comprehensive General Liability Insurance (at least as broad as ISO Form CG 0001, covering liability on an occurrence basis) providing protection against bodily injury, including death, personal injury and property damage. This insurance shall provide broad form contractual liability protection covering the indemnity provisions contained in this Contract, underground hazards, products-completed operations. A per occurrence limit of \$2,000,000 and \$4,000,000 in the aggregate, written, with dedicated limits, on a “per project” basis; and a products-completed operations aggregate limit of at least \$4,000,000. The Contractor’s insurance policy shall include or be endorsed to include a “severability of interests” provision ensuring that each “additional insured” is treated as if it is the only insured; and “Occurrence Form” Automobile Liability Insurance providing protection against bodily injury, including death, and property damage. This insurance shall provide contractual liability by endorsement (ISO Form CA 0001, Code 1, “any auto” or equivalent) and shall cover any motor vehicle (or mobile equipment, to the extent it may be excluded from general liability insurance) used by the Contractor (whether owned, non-owned, hired or scheduled). The Contractor’s insurance policy

shall include or be endorsed to include a “severability of interests” provision ensuring that each “additional insured” is treated as if it is the only insured; and

Professional liability (if Design/Build), with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate, with a five year tail from the completion of the project; and

Workers’ compensation and Employer’s Liability: Workers’ Compensation insurance as required by the State of California, with Statutory Limits, and Employers’ Liability insurance with a limit of no less than \$1,000,000 per accident for bodily injury or disease.

The insurance required by this Section 10 shall apply on a primary non-contributing basis. Any insurance or self-insurance maintained by GWMA, its member agencies, officers, employees, agents, subcontractors or volunteers, shall be in excess of Consultant’s insurance and shall not contribute with it.

The automobile and comprehensive general liability insurance policies shall contain an endorsement naming GWMA and its officers, employees, officials and agents as additional insureds. All insurance policies shall contain an endorsement providing that the policies cannot be canceled or reduced except on thirty (30) days’ prior written notice to GWMA. All insurance policies shall be endorsed to delete the subrogation condition as to GWMA, or shall explicitly allow Consultant to waive Consultant’s right of recovery prior to loss. Consultant waives all rights of subrogation and contribution against GWMA. Consultant shall require its insurer to modify the certificates of insurance to delete any exculpatory wording stating that failure of the insurer to mail written notice of cancellation imposes no obligation, and to delete the word “endeavor” with regard to any notice provisions.

Consultant shall require all subconsultants or other third parties hired to perform services under this Agreement, to carry, maintain, and keep in full force and effect, insurance policies that meet the requirements of this Section 10, unless otherwise agreed to by GWMA. The procurement of insurance by any subconsultant or other third party hired to perform services under this Agreement shall not relieve Consultant from any duties or liability otherwise arising under this Section 10.

Prior to performance of the Services under this Agreement, Consultant shall file a certificate or certificates of insurance, together with the required endorsements, with GWMA showing that the insurance policies are in effect in the required amounts.

SECTION 10 - TERMINATION

Termination by the Parties.

Termination by GWMA. The Project Manager or GWMA Chair may terminate this Agreement or any portion of this Agreement or the Services required under this Agreement for any reason on ten (10) calendar days’ written notice to Consultant. Upon receipt of a notice of termination, Consultant shall perform no further services except as specified in the notice. Before the date of termination, Consultant shall deliver to GWMA all work product, whether complete or incomplete, prepared or compiled through the date of termination and not otherwise previously

delivered to GWMA. GWMA shall pay Consultant for services satisfactorily performed in accordance with this Agreement to the date of termination. GWMA shall reimburse Consultant for authorized expenses incurred to the date of termination and not previously reimbursed. Consultant shall not have any other claim against GWMA by reason of such termination.

Termination by Consultant. Consultant may terminate this Agreement on thirty (30) calendar days' written notice to GWMA only in the event of a material default by GWMA, which default GWMA has not been cured within thirty (30) days following receipt by GWMA of written notice from Consultant specifying the basis of the alleged default.

SECTION 11 - ADMINISTRATION

GWMA's representative for administration of this Agreement, is the Grace Kast, or such other person designated in writing by the Executive Officer ("Project Manager"). Consultant's representative for administration of this Agreement is Bill Bennett ("Consultant's representative"), unless notified in writing by Consultant that additional representatives are authorized.

SECTION 12 - NOTICES

Any routine administrative communication between the Project Manager and the Consultant's representative required to be in writing may be made by personal delivery, first class U.S. mail, facsimile transmission or electronic mail. Any other notices, invoices or reports required by this Agreement shall be given by first class U.S. mail or by personal service. Notices shall be deemed received on (a) the day of delivery if delivered by hand or overnight courier service during Consultant's and GWMA's regular business hours or by facsimile before or during Consultant's regular business hours; or (b) on the third business day following deposit in the United States mail, postage prepaid, to the addresses below, or to such other addresses as the parties may, from time to time, designate in writing pursuant to the provisions of this Section 13. All notices shall be delivered to the parties at the following addresses:

If to GWMA: Gateway Water Management Authority
Attn: Toni Penn
16401 Paramount Blvd.
Paramount, CA 90723
Email: tonipenn.gateway@gmail.com

If to Consultant: GEI Consultants
Attn: Bill Bennett
2868 Prospect Park Drive
Suite 400
Rancho Cordova, CA 95670
Email: bbennett@geiconsultants.com

SECTION 13 - WAIVER

No delay or omission to exercise any right, power or remedy accruing to GWMA under this Agreement shall impair any right, power, or remedy of GWMA, nor shall it be construed as a waiver of, or consent to any breach or default. No waiver of any breach, any failure of a condition, or any right or remedy under this Agreement (1) shall be effective unless it is in writing and signed by the party making the waiver; (2) shall be deemed to be a waiver of, or consent, to any other breach, failure of a condition, or right or remedy, or (3) shall be deemed to constitute a continuing waiver unless the writing expressly so states.

SECTION 14 - ATTORNEY'S FEES

In the event that either party to this Agreement shall commence any legal action or proceeding to enforce or interpret the provisions of this Agreement, the prevailing party in such action or proceeding shall be entitled to recover its costs of suit, including reasonable attorney's fees.

SECTION 15 - ENTIRE AGREEMENT

This Agreement constitutes the final, complete and exclusive statement of the terms of the agreement between the parties pertaining to the subject matter of this Agreement and supersedes all other prior or contemporaneous oral or written understandings and agreements of the parties.

SECTION 16 - MODIFICATION

This Agreement may be supplemented, amended or modified only by a writing signed by Consultant and the Project Manager or GWMA Chair.

[SIGNATURE PAGE FOLLOWS]

The parties are signing this Agreement on the effective date.

GWMA

Consultant

Los Angeles Gateway Region Integrated
Regional Water Management Authority

GEI Consultants

By: _____
Name: Christopher Cash
Title: Chair

By: _____
Name: _____
Title: _____

By: _____
Name: _____
Title: _____

(Please note: Two signatures required for corporations pursuant to California Corporations Code Section 313.)



STATEMENT OF QUALIFICATIONS

General On-Call Professional General,
Technical and/or Engineering Services

Gateway Water Management Authority | August 21, 2017



COVER LETTER

August 21, 2017

Bibiweiss.gateway@gmail.com

Ms. Bibi Weiss
Gateway Water Management Authority
16401 Paramount Boulevard
Paramount, CA 90723

Consulting
Engineers and
Scientists

Subject: Statement of Qualifications for General On-Call Professional General, Technical and/or Engineering Services

Dear Ms. Penn:

Gateway Water Management Authority (GWMA) is soliciting qualifications from experienced firms with the intent of qualifying one or more firms for on-call work over the next five years. This will allow GWMA to respond quickly to various needs including regional and strategic planning, project management, grant solicitation opportunities, GIS/mapping, engineering, project planning, design and construction management, environmental documentation, and others. GEI Consultants, Inc. (GEI) has assembled a well-qualified team to respond to GWMA's needs.

GEI has had the pleasure of assisting GWMA in their regional water management work almost from their formation in 2007 when GEI began by compiling information for an anticipated Proposition 50 Planning Grant Solicitation. While that solicitation was never finalized by the Department of Water Resources (DWR), that effort laid the groundwork for the GEI-GWMA's partnership to secure nearly \$1 million from a subsequent Proposition 84 process for developing an Integrated Regional Water Management Plan (IRWMP). The GEI Team successfully guided GWMA through the IRWMP process, keeping within budget and schedule. DWR approved the plan adopted by GWMA in June of 2013. The completed plan allows Gateway to be eligible for grant monies from the State.

Along the way GEI assisted GWMA in completing additional, and often new hurdles, in the State's regional planning process. GEI compiled supporting information for DWR's Region Acceptance Process (RAP) and, at the end, the successful Plan Review Process. GEI also compiled a regional report for several region members on the State's 20X20 target water use goals. Most recently the GEI Team helped update the IRWMP projects list and submit successful grant applications for drought and water use efficiency projects, securing more than \$4 million in funding for the region.

Through the close partnership with GWMA, GEI has gained the technical background and local experience to meet the qualifications you seek in this on-call opportunity. GEI has demonstrated it is responsive to GWMA needs and has developed a trusted bond with GWMA and the Region.

The GEI Team has the following benefits:

- **Broad and extensive experience** with regional water resources planning. Besides Gateway, GEI staff has successfully assisted eight other IRWMP efforts and many other regional water and groundwater management plans over the past few years.

- **Continued close relationships** with DWR staff and a thorough knowledge of regional planning requirements.
- **Ample staff and subconsultant resources** to carry out any foreseeable GWMA project.
- **Considerable experience in managing large projects.** Besides IRWMPs, GEI has carried out medium to large infrastructure design and construction projects, feasibility studies, environmental documentation and licensing efforts, and regional and statewide flood management planning.
- **A seasoned, successful, and dedicated Project Manager.** Bill Bennett, PE, GE, has shown that he has the Gateway Region's interest in the forefront when giving counsel to GWMA. He strives for consensus, while managing projects to budget, schedule, quality, and client satisfaction.
- **Specific proven partnership with GWMA** in all aspects of IRWMP development, including specific water management projects, grant acquisition, and grant and project management.
- A team of **technical experts with direct Gateway Region experience.** The proposed GEI Team includes principle participants that originally developed the Gateway IRWMP. GEOSCIENCE (Groundwater) and Paradigm Environmental (Stormwater) have exclusively joined the GEI staff resources who worked directly on the 2013 IRWMP and its 2014 project list update.
- **Successful record of obtaining grant funding** for GWMA and other clients. GEI has assisted clients in capturing more than \$200 million in funding over the past 10 years.
- **Tools and techniques developed for Gateway** and other IRWMP work that will streamline any project list or plan updates required of GWMA.

We look forward to continuing our partnership with GWMA and helping improve water management in the Gateway Region.

The GEI Team accepts the Professional Services Agreement (Exhibit A in the RFQ) with the exception of the Indemnification section. The current version seems slightly repetitive. We would suggest substituting the Indemnification Section 17 from GWMA's previous contract with GEI for Development of the Gateway IRWMP, which would allow ample protection for all parties.

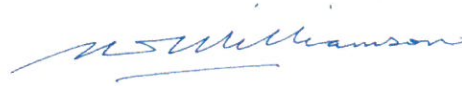
Thank you for your consideration. Please contact Bill Bennett at 916.631.4564 or by email at bbennett@geiconsultants.com if you have any questions or require clarification.

Regards,

GEI Consultants, Inc.



William J. Bennett, PE, GE
Vice President



Mark S. Williamson, PE, PMP
Vice President

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COMPANY QUALIFICATIONS

PRIME CONSULTANT: GEI CONSULTANTS, INC.

Established in 1970 in Boston, Massachusetts, GEI focused primarily on geotechnical engineering. Through the years, the practice expanded to include water resources, environmental engineering, and ecological sciences. In 2003, GEI acquired Bookman-Edmonston, a water resources engineering firm renowned for helping solve California’s water needs since 1959. Today, GEI is an employee-owned corporation that has grown two-fold in the last six years, employing nearly 800 people in 37 offices nationwide, including 5 offices in California: Rancho Cordova, Oakland, Carlsbad, Pasadena, and Bakersfield. GEI maintains a vibrant water resources practice in California, specializing in water supply and flood management planning, as well as design and construction management of major water and flood control infrastructure, such as water banking projects, pipelines, canals, levees, dams and diversion works, pumping plants, power systems, wells, and other water resources management facilities.

GEI has been ranked consistently over the last seven years by Engineering News Record, as one of the “Top 500 Engineering Firms” in the United States. The majority of GEI professionals have obtained post graduate degrees in their areas of expertise and hold state licenses or certifications. Many civil works projects designed by GEI staff have received various awards for engineering excellence from ASCE. California projects include Bear River Setback Levee, Feather River Setback Levee, Coachella Canal Lining Project, All-American Canal Lining Project, North Kern Calloway/Lerdo Intertie, and most recently, Shafter-Wasco Irrigation District Intertie.

GEI staff has successfully completed nine Integrated Regional Water Management Plans (IRWMPs) and assisted with another two in California, and nine groundwater management plans that involved intensive stakeholder involvement. These were developed in areas facing technical and policy challenges. GEI’s work helped stakeholders candidly acknowledge issues and concerns, gain consensus on realistic goals and objectives, and identify projects that could be supported by the entire community.

In addition to the water planning documents completed by GEI, our staff brings knowledge and experience in water management that was accrued while they worked at other public sector organizations. GEI water managers possess a complete understanding and experience in all aspects of California’s water resource management, both policy and

GEI Staff Experience with IRWMPs	
Gateway	Upper Santa Ana
Eastern San Joaquin	Poso Creek
San Luis Obispo	Sacramento Valley
Imperial	Yuba County
Mohave	

technical. They stay current with new and emerging requirements, such as including plan elements for climate change sustainable groundwater and flood control and the plans they develop. These plans support increased local water supply reliability and provide multiple localized benefits that help meet environmental and statewide water supply objectives. This has resulted in State and federal funding. GEI has an extensive grant writing capability and tracks funding opportunities available to local government and public utilities.

DISCIPLINE SPECIFIC EXPERIENCE LISTED IN THE SCOPE OF SERVICES

Scope	Years of Experience	Examples of Work	Multi-jurisdiction	Municipality & Water Agency
Report Writing	20+	Gateway IRWMP 2013–GWMA CA State Water Plan B160-1993 and 1998–CA DWR Yuba County IRWMP, Yuba County Water Agency, 2008	Yes	Water Agencies
Project Management	20+	Gateway DWR Prop 84 Planning Grant–CA DWR Drought Management Support Contract–CA DWR DWR Sustainable Groundwater Support Contract–CA DWR	Yes	Water Authority, State Agency
Coordinate and manage regional watershed projects	10	Watershed Management Programs, Lower LA River, etc.– GWMA Central Valley Flood Protection Plan Sacramento Basin Plan Eastern San Joaquin County IRWMP 2013	Yes	Water Authority, Municipality
Prepare and manage requests for proposals/bid and plans/specs	20+	Wheatland Canal Project, Yuba County Water Agency 2010 Mid-Valley Pipeline and Pump Station, Coachella Valley Water District San Vicente Bypass Pipeline, San Diego County Water Authority	No	Water Agencies
Engage in regional planning grant and documentation	10	Gateway IRWMP–GWMA 2013 Eastern San Joaquin County IRWMP 2013 Central Valley Flood Protection Plan–Basin-wide–CA DWR	Yes	Water Authority, Municipality, State Agency
Grant writing	10	Central Basin Municipal Water District–2008 West Basin Municipal Water District 2008–LADWP 2009 Gateway Water Management Authority 2014	Yes	Water Agency, Water Authority, Municipality
Strategic Planning	8	DWR FloodSafe Planning–CA DWR Central Valley Flood Protection Plan–CA DWR Statewide Flood Management Plan–CA DWR	Yes	State Agencies
GIS mapping/management	10	IRWMPs like Gateway IRWMP–GWMA 2013 Flood Emergency Response Support–CA DWR Delta Flood Emergency Management Plan: Atlas–CA DWR	Yes	Water Authority, Municipality, State Agency
Environmental Documentation	20+	Eagle Mountain Pump Storage EIR–Eagle Crest Energy CEQA/NEPA Support, Buena Vista Water Storage District Delta Flood Emergency Facilities Improvement Mitigated Negative Declarations	No	Private, Water Agency
IRWM Activities project list and plan updates	10	Gateway IRWMP Project List Updates–GWMMA Feather River Regional Flood Management Plan–CA DWR Eastern San Joaquin County IRWMP, 2013 Imperial Irrigation District Update to IRWMP	Yes	Water Authority, Municipality, State Agency

CLIENT REFERENCES

The following is a list of references where GEI has provided services in the past five years.

Grace Kast, Gateway Water Management Authority

Phone: 626.485.0338

Services: Gateway IRWMP, Grant Writing

Carolyn Berg, PE, County of San Luis Obispo, Department of Public Works Utilities Division

Phone: 805.781.5536

Services: San Luis Obispo County IRWMP, Grant Writing

Tammy Hierlihy, Central Basin MWD

Phone: 323.201.5510

Services: Grant Writing

Dana Munn, General Manager, Shafter-Wasco Irrigation District

Phone: 661.758.5153 (o); 661.201.5527 (c)

Services: Task Order 4 is related to the IRWM Drought Contingency Plan. GEI is also under contract through North Kern to do the Poso Plan Update

Curt Aikens, Yuba County Water Agency

Phone: 530.741.6258

Services: Yuba County IRWMP

Jon Ericson, California Department of Water Resources

Phone: 916.574.0384

Services: Flood Emergency Response Program

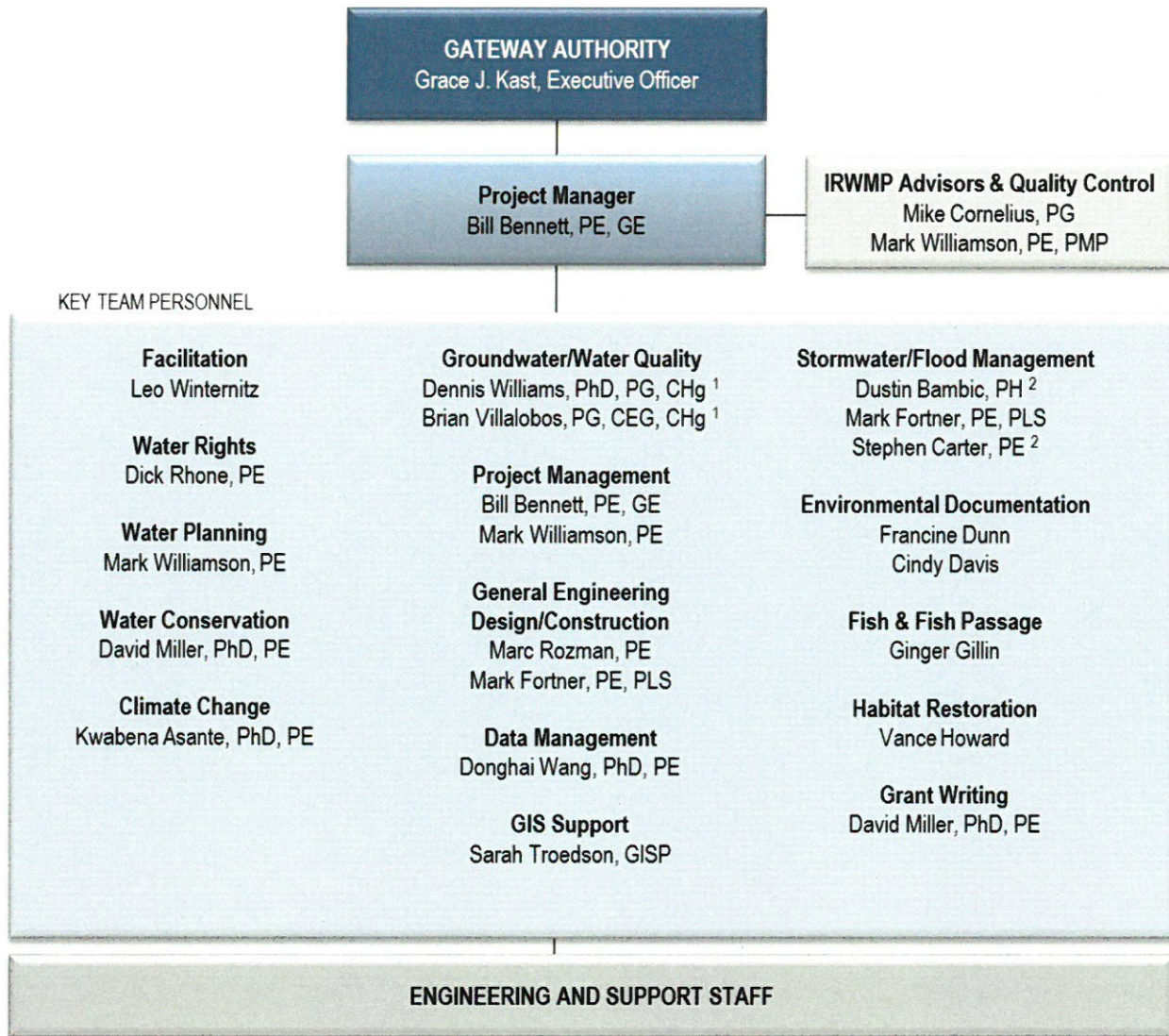
Michael Callahan, Eastern San Joaquin County Groundwater Management Authority

Phone: 209.468.9360

Eastern San Joaquin IRWMP

PROJECT TEAM STAFF AND PROJECT ORGANIZATION

GEI Team organization is presented below followed by brief resumes of the individuals shown.



Subconsultants: ¹ GEOSCIENCE, ² Paradigm Environmental

WILLIAM BENNETT, PE, GE

Proposed Role: Project Manager (GEI Rate Sheet: Grade 8)

Education	Industry Experience	GEI Experience	Registrations/Licenses
MS, Soil Mechanics, University of California, Davis BS, Civil Engineering, University of California, Davis	42 years	11 years	Professional Geotechnical Engineer, CA No. 137 Professional Civil Engineer, CA No. 26848

Mr. Bennett has spent more than four decades in water resources and geotechnical engineering. His expertise includes developing water management plans, watershed management, fisheries recovery and passage, and flood management programs. He has extensive experience in collaborative planning and guiding stakeholder groups to decisions on shared resources. Additionally, Mr. Bennett has substantial experience in all aspects of dam safety. Prior to joining GEI in 2006, Mr. Bennett was employed by the DWR. His career there included serving in the capacity of Division Chief and Office Chief, with responsibility for major California water planning programs, and as Regional Engineer for the Safety of Dams.

PROJECT EXPERIENCE

Gateway Integrated Regional Water Management Plan (IRWMP), Los Angeles Gateway Region JPA, Paramount, CA. Project Manager. In close partnership with the Gateway Water Management Authority and its members, the GEI team produced an IRWMP for the Gateway Region (southeast Los Angeles County).

IRWMP Grant Application (2010) and IRWM Drought Grant Application (2014), Los Angeles Gateway Region JPA, Paramount, CA. Project Manager. On behalf of the Gateway Region, successfully managed the writing of two critical applications for Proposition 84 funds to assist with the planning phase of an IRWMP (nearly \$1 million) and regional drought project implementation funding (\$3.9 million).

Upper Santa Ana River Integrated Regional Water Management Plan, San Bernardino Valley Municipal Water District, Sacramento, CA. Senior Consultant. Prepared the water use efficiency elements of the Upper Santa Ana River IRWMP.

IRWMP, Imperial Irrigation District, CA. Assisted in the formulation of the project review and ranking, integration, and financing sections of the IRWMP for the Imperial Region.

San Luis Obispo County IRWMP, San Luis Obispo County, San Luis Obispo, CA. Provided QA/QC review for Administrative

Draft Plan and reviewed draft with DWR standards checklist to assure completeness.

Regional 20x2020 Report, Los Angeles Gateway Region JPA, Paramount, CA. Project Manager. Conducted research and provided a report on water use targets for the Gateway IRWMP Region to comply with the state's "20x2020 Plan" which calls on water agencies to reduce statewide per capita urban water use by 20 percent by the year 2020. Information collected and analyzed in this effort was available for the development of Gateway's IRWMP and meets the requirements of the Water Conservation Act of 2009 (SBx7-7).

Grant Writing, West Basin Municipal Water District. Prepared or reviewed three Proposition 50 Water Use Efficiency Grant applications and three U.S. Bureau of Reclamation Water Use Efficiency Grant applications; four of six were successful. Presented information at WBMWD's annual grant workshop. Assisted in preparing USBR 2025 Challenge grant application.

Grant Writing, Central Basin Municipal Water District. Prepared three Proposition 50 Water Use Efficiency Step 1 grant proposals and reviewed or prepared Step two proposals for those submittals. All applications were successful, yielding \$1.78 million in grant funding for the District's water use efficiency projects. Assisted in presenting a grant information workshop for CBMWD retailers.

Water Management Planning. Responsible for Statewide Planning and the California Water Plan Update in 1998, as well as elements of the 1993 plan update. He helped institute and supervise the planning process for California's off stream water storage development (Sites Reservoir preliminary planning) and the Integrated Storage Investigation Program, which includes conjunctive use of groundwater, fish passage, on-stream storage enlargement, and Delta storage alternatives.

Watershed Management and Stakeholder Collaboration. For five years was California's Klamath River Compact Commissioner and for several years, a representative to the Trinity River Task Force, dealing with interstate water, water rights allocations, and controversial endangered species restoration and protection measures. As Special Manager for Klamath Watershed Issues, actively worked with federal, state, and local groups to successfully meld species recovery

efforts with continued agricultural water use. Served on the state's Shasta-Scott Coho Recovery Team and participated in the Statewide Coho Recovery Plan compilation for DWR. Attended Klamath Stakeholders Collaborative Sessions (Chadwick Workshops) on Klamath River Watershed issues.

Water Use Efficiency. In charge of California's Water Use Efficiency Programs: agricultural water conservation, urban water conservation, desalination, water recycling related grants, and technical assistance programs. In 2006, the program distributed more than \$100 million in grant funding under his guidance. Administered the review of all urban water management plans submitted by urban water suppliers every five years (more than 350 submittals). (Water management activities directly related to IRWMP elements.)

MICHAEL CORNELIUS, PG

Proposed Role: IRWMP Advisor & Quality Control (GEI Rate Sheet: Grade 8)

Education	Industry Experience	GEI Experience	Registrations/Licenses
MS, Civil Engineering, California State University, Sacramento BS, Geology, University of California, Davis	26 years	13 years	Professional Geologist, CA No. 6222

Mr. Cornelius is a Professional geologist and civil engineer with 26 years of water resources consulting experience in California, Mr. Cornelius has applied his background in hydrogeology and civil engineering to leading water resources planning and management efforts including Integrated Regional Water Management Plans and Groundwater Management Plans throughout California.

PROJECT EXPERIENCE

San Luis Obispo County IRWM Plan Update, San Luis Obispo County Flood Control and Water Conservation District, CA. Project manager of the consulting team responsible for the preparation of the San Luis Obispo County IRWM Plan Update.

Groundwater Banking Feasibility Study, County of San Luis Obispo, CA. Project Manager.

Yuba County Integrated Regional Water Management Plan, Yuba County Water

Agency, Yuba County, CA (2008): Project Manager for the preparation of the Yuba County IRWMP.

Paso Robles Groundwater Basin Regional Groundwater Management Plan, City of Paso Robles, CA. Project Manager for the preparation of the Paso Robles Groundwater Basin Regional Plan.

City of Tracy Groundwater Management Plan, City of Tracy, CA. Project Manager for the

preparation of the Tracy Regional Groundwater Management Plan for the Tracy Subbasin.

Regional Water Master Plan, American River Basin Cooperating Agencies, Sacramento County, CA (1998). Project manager for the groundwater analysis.

MARK WILLIAMSON, PE, PMP

Proposed Role: IRWMP Advisor, Quality Control, and Water Planning (GEI Rate Sheet: Grade 8)

Education	Industry Experience	GEI Experience	Registrations/Licenses
MS, Civil Engineering and Water Resources, University of Washington BS, Civil Engineering and Water Resources, University of California, Berkeley	36 years	12 years	Professional Engineer, CA No. 35671 Project Management Professional

Mr. Williamson is a registered civil engineer and project management professional with more than three decades of experience in both the public and private sectors. He has significant experience managing water supply and groundwater recharge and banking projects, often developing projects from concept level through design and grant funding. Mr. Williamson has successfully performed integrated regional water management planning and secured funding for water agencies throughout California.

PROJECT EXPERIENCE

Led the development of an **Integrated Regional Water Management Plan for the Eastern San Joaquin County Groundwater Basin Authority** in 2007, and is the project manager for the 2014 IRWM Update.

Managed the **2005 Mojave Water Agency’s Regional Water Management Plan Update**, a stakeholder-driven process to screen and select the best water management strategy to match projected supplies with forecasted 2020 demands.

Project manager for completion of the **2012 Imperial Integrated Regional Water Management Plan.**

Project manager for developing **groundwater banking programs and recharge pilot projects** for the **Sonoma County Water Agency.**

Provided successful **grant writing assistance** (>\$65M) and prepared **Region Acceptance Process applications** for a variety of clients.

Project Engineer for the **Mountain Tunnel Flow Study** for the **City of San Francisco’s Hetch Hetchy Water and Power Department.**

Project Manager for a **regional groundwater banking demonstration** project between San Joaquin County and **EBMUD.**

DENNIS WILLIAMS, PHD, PG, CHG

Proposed Role: Groundwater/Water Quality (GEOSCIENCE Rate Sheet: Principal Hydrologist)

Education	Industry Experience	GEOSCIENCE Experience	Registrations/Licenses
PhD, Hydrology, New Mexico Institute of Mining and Technology MS, Ground Water Hydrology, New Mexico Institute of Mining and Technology BS, Geology, University of Redlands	40 years	36 years	Professional Geologist, CA No. 461 Certified Hydrogeologist, CA No. 139 Certified Ground Water Hydrologist, American Institute of Hydrology No. 355

Dr. Williams, founder and president of the Southern California based firm GEOSCIENCE Support Services, Inc. and has 40 years of experience in ground water hydrology. During that time, he has directed

geohydrologic investigations domestically and worldwide which includes the design and supervision of over 1,000 deep large-scale municipal water supply wells. Dr. Williams has been involved in and directed all ground water projects conducted by GEOSCIENCE over the past 36 years.

GEOSCIENCE’s client list includes most of the major Water Districts and agencies in the Southern California area, as well as clients in South America, Europe, and the Middle and Far East). Dr. Williams has also served as an expert witness on numerous legal issues (including arbitration, mediation, and court trials) for both domestic and international clients.

BRIAN A. VILLALOBOS, PG, CEG, CHG

Proposed Role: Groundwater/Water Quality (GEOSCIENCE Rate Sheet: Principal/Senior Geohydrologist)

Education	Industry Experience	GEOSCIENCE Experience	Registrations/Licenses
BS, Geology, California State University, Los Angeles	27 years	9 years	Professional Geologist, CA No.4153 Certified Engineering Geologist, CA No. 1298 Certified Hydrogeologist, CA No. 793

Mr. Villalobos has over 27 years of experience with watershed and ground water investigations for numerous municipal and private clients which includes ground water basin and water quality evaluations, “safe yield” studies, IPR studies, artificial recharge and conjunctive use studies, and brackish water and ocean water desalination feedwater supply studies, urban water management and salt and nutrient management plans.

PROJECT EXPERIENCE

Selected Clients include:

- San Bernardino Valley Municipal Water District
- Yucaipa Valley Water District
- California American Water
- Olivenhain Municipal Water District
- South Coast Water District
- Elsinore Valley Municipal Water District
- Castaic Lake Water Agency
- City of Oceanside
- City of Banning
- City of Riverside

Los Angeles Gateway Region Integrated Regional Water Management Plan (GEI Consultants, Inc./GWMA, 2012)

DUSTIN BAMBIC, PH

Proposed Role: Stormwater/Flood Management (Paradigm Environmental Rate Sheet: Principal Hydrologist)

Education	Industry Experience	Paradigm Experience	Registrations/Licenses
MS, Civil and Environmental Engineering, University of California, Davis MS, Hydrologic Science, University of California, Davis BS, Physics, Western Kentucky University BA, Mathematics, Western Kentucky University	11 years	2 years	Professional Hydrologist (Water Quality), American Institute of Hydrology

Mr. Bambic has extensive experience in watershed hydrology, pollutant fate and transport, and identification of pollutant sources. He has been leading stormwater compliance efforts in the world’s most engineered watershed—the Los Angeles River—for over a decade. Dustin was involved with numerous Enhanced

Watershed Management Programs across LA County including those for Upper LA River, Dominguez Channel and Lower LA River.

PROJECT EXPERIENCE

Gateway Integrated Regional Water Management Plan, Gateway Water Management Authority, Paramount, CA. *(experience from previous employer)*. Project lead for stormwater issues, responsible for characterizing the high priority stormwater sources and solutions.

Segment B Load Reduction Strategy for the Upper Reach 2 Subwatershed, Upper Reach 2 LAR Group, CA. Project Manager and technical lead for development of the Load Reduction Strategy for the UR2 LAR Group (Los Angeles River Bacteria TMDL), which includes the cities of Bell, Bell Gardens, Commerce, Cudahy, Huntington Park, Maywood, Vernon and the Los Angeles County Flood Control District.

Upper Los Angeles River Enhanced Watershed Management Program, City of Los Angeles, CA. Watershed Lead for the Upper Los Angeles River EWMP, which includes 17 municipalities in a 479-square mile planning area.

EWMP Implementation Support, City of Carson, CA. Led numerous tasks to support Carson with EWMP implementation and MS4 compliance, including BMP conceptual designs, stormwater inventory tracking, field investigations and hydraulic modeling.

Dominguez Channel Watershed Management Program, City of Los Angeles, CA. Led the Reasonable Assurance Analysis for 7 municipalities, which involved the modeling of LID, green infrastructure and regional facilities.

Los Angeles River Bacteria Source Identification Study, City of Los Angeles, CA. *(experience from previous employer)* Technical lead and primary author, from study design through the final report. The study included Reach 2, Reach 4 and Reach 6 of the LA River and tributaries Tujunga Wash, Arroyo Seco and Rio Hondo.

STEPHEN CARTER, PE

Proposed Role: Stormwater/Flood Management (Paradigm Environmental Rate Sheet: Principal Engineer)

Education	Industry Experience	Paradigm Experience	Registrations/Licenses
MS, Environmental Engineering, University of North Carolina at Chapel Hill BS, Civil Engineering, University of North Carolina at Charlotte	14 years	2 years	Professional Engineer, CA No. 50884

Mr. Carter has supported numerous federal, state, and municipal clients in the areas of regulatory support, modeling, emerging stormwater engineering practices, and watershed and infrastructure planning. Prior to forming Paradigm, Steve led a team of modelers in developing the Watershed Management Modeling System (WMMS), a publicly available BMP optimization system built for the watersheds of Los Angeles County. He managed a wide spectrum of projects, from water quality improvement planning to city-wide infrastructure management.

PROJECT EXPERIENCE

BMP Conceptual Designs, Los Angeles, CA. Technical lead for the modeling of low flow diversions and green streets to optimize designs and provide assurance of cost-effective BMP selection and sizing.

Stormwater Resource Plan, San Mateo, CA. Project manager for developing a Stormwater Resource Plan to qualify the County for Prop 1 grant funding. The plan including conceptual designs for low impact development, green streets

and regional projects. The group received funding for several concepts.

Enhanced Watershed Management Plans, Los Angeles, CA. Provided modeling and engineering expertise for Enhanced Watershed Management Plans (EWMPs) for Dominguez Channel, Los Angeles River, San Gabriel River, Ballona Creek, and Santa Clara River to address MS4 Permit requirements. Served as Technical

MARC ROZMAN, PE

Proposed Role: General Engineering Design/Construction (GEI Rate Sheet: Grade 8)

Education	Industry Experience	GEI Experience	Registrations/Licenses
BS, Civil Engineering, Oregon State University	33	16 years	Professional Engineer, CA No. 42862

Mr. Rozman is a registered civil engineer with three decades of experience in water, wastewater, reclaimed water, and drainage facility design and construction. Areas of expertise include hydraulic analyses, civil/site engineering, and the design/construction of pipelines (including force mains, trunk and interceptor sewers, and transmission mains), pumping stations (lift stations and booster pumping stations), and treatment facilities (water treatment plants, and secondary and tertiary wastewater treatment plants).

PROJECT EXPERIENCE

San Vicente Bypass Pipeline, San Diego County Water Authority, San Diego, CA. Overseeing the pipeline, civil, and structural design effort, and the production of construction contract documents.

Whitewater Replenishment Facility, Conceptual Design Report, Coachella Valley Water District, Palm Springs, CA. Project Manager

Tejon Spreading Grounds, Tejon Ranch, Tejon Ranch, CA. Project Manager.

Antelope Valley Groundwater Banking Program, Semitropic-Rosamond Water Bank Authority, Antelope Valley, CA. Project

lead for several of the Reasonable Assurance Analysis (RAA), defined in the MS4 Permit.

As-needed Stormwater Engineering and Consulting Services, City of San Diego, CA (*experience from previous employer*). Program Manager for over a \$12.5M as-needed contract for five years, supporting the City in all aspects of their stormwater program.

manager and engineer of record for the design and construction management of the AVWB Initial Recharge and Recovery Facility Improvement Project.

Pond Poso Spreading Grounds and Conveyance System, Semitropic Water Storage District, Wasco, CA. Engineer-of-Record

Thomas E. Levy Groundwater Replenishment Facility, Coachella Valley Water District, Coachella, CA. Project manager and engineer of record for the engineering, design and construction engineering support of the 1550 HP pump station.

LEO WINTERNITZ

Proposed Role: Facilitation (GEI Rate Sheet: Grade 8)

Education	Industry Experience	GEI Experience	Registrations/Licenses
M.S., Water Resources Management, University of San Francisco B.A., Biological Sciences, Gonzaga University, Spokane, Washington	38 years	3 years	N/A

Mr. Winternitz specializes on ecosystem restoration projects, sensitive habitats and their relationship to water management in northern California. In particular, he is expert on water and environmental issues pertaining to the Sacramento-San Joaquin Delta and its major tributaries, and has authored or co-authored several professional articles on the subject. In addition to his role at GEI, Mr. Winternitz currently serves as a Director, and is a past President, of the American River Parkway Foundation, an organization that promotes environmental health and stewardship of the 23-mile long American River Parkway.

PROJECT EXPERIENCE

Bay Delta Collaborative Science and Adaptive Management Program and Team Support.

Currently serving as a co-chair, leading management staff from DWR, the California Department of Fish and Wildlife, the U.S. Bureau of Reclamation, the U.S. Fish and Wildlife Service, the National Marine Fisheries Service, and representatives of public water agencies and non-governmental organization groups, to collaboratively develop scientific processes that address policy-related water management questions.

Developing Water Supply Reliability and Environmental Protections for the Lower American River, The Water Forum, Placer, Sacramento and El Dorado Counties, CA.

As Executive Director for the Sacramento Water Forum, planned and managed the activities of staff and consultants on behalf of a diverse group of 40 stakeholder organizations representing business, agriculture, citizen’s groups, environmental organizations, and water managers to complete negotiations and implement a regional water supply and environmental protection agreement to the year 2030.

RICHARD RHONE, PE

Proposed Role: Water Rights (GEI Rate Sheet: Grade 9)

Education	Industry Experience	GEI Experience	Registrations/Licenses
BS, Civil Engineering, University of Southern California	60 years	57 years	Professional Engineer, CA No. 13713

Mr. Rhone joined Bookman-Edmonston, a GEI legacy company in 1960 and has experience in all aspects of water resources development, and operations; including planning studies related to surface, recycled and groundwater resources management, conjunctive use, hydrologic studies, watermaster services, and preliminary designs. He has also provided expert testimony before the California State Water Resources Control Board, California Superior Court, and federal court on such matters as water rights, water supply, and water resource development.

PROJECT EXPERIENCE

San Gabriel River Watermaster, Los Angeles County, CA. 1960 to present.

Central and West Basin, Water Replenishment District of Southern California, Los Angeles County, CA. (1960 to 1993; 2005 to present).

Participated in the development of, and managed, one of the largest conjunctive use programs in California for the Water Replenishment District of Southern California (WRD). Project included spreading, well injection, and in-lieu methods to accomplish recharge. Continues to advise WRD on replenishment and groundwater management issues. Participated in the adjudication of the Central Basin.

Other Watermaster Services. Since 1986, Served as court-appointed Watermaster for the Puente Basin.

Groundwater Banking Program, Semitropic Water Storage District, Kern County, CA. 1996 to present.

GINGER GILLIN

Proposed Role: Fish & Fish Passage (GEI Rate Sheet: Grade 7)

Education	Industry Experience	GEI Experience	Registrations/Licenses
MS, Wildlife Biology, University of Montana BA, Geography, University of Colorado	34 years	15 years	N/A

Ms. Gillin is a Certified Fisheries Professional with expertise in hydropower licensing and relicensing; environmental permitting and compliance; and fisheries and aquatic science. She is an approved third-party technical expert for dispute resolution for issues regarding aquatic sciences for Federal Energy Regulatory Commission (FERC).

PROJECT EXPERIENCE

Gateway IRWMP, Los Angeles Gateway Region JPA, Los Angeles, CA. Review Team Member. Supported application of the review criteria to rank and evaluate projects for inclusion in the IRWMP.

Buena Vista Water Storage District, Buttonwillow, CA. Project Manager. Prepared an Initial Study and Mitigated Negative Declaration for a replacing leaking irrigation canals with a water pipeline.

Eagle Mountain Pumped Storage FERC Licensing Project, Eagle Crest Energy Corporation, Palm Springs, CA. Project Manager for licensing of the proposed 1,300 MW Eagle Mountain Pumped Storage Project in California. An EIR was completed.

Thompson River Bull Trout Enhancement and Recovery Plan, PPL Montana, Thompson Falls, MT.

California Environmental Quality Act (CEQA) and NEPA Compliance Support Services,

Flood Emergency Response Program (Phase I), DWR, Statewide, CA. Prepare Initial Study and Mitigated Negative Declaration for emergency response facilities in the Delta.

MARK FORTNER, PE, PLS

Proposed Role: General Engineering Design/Construction (GEI Rate Sheet: Grade 7)

Education	Industry Experience	GEI Experience	Registrations/Licenses
BS, Civil Engineering, California State University, Sacramento	30 years	9 years	Professional Engineer, CA No. 48266 Professional Land Surveyor, CA No. 7342

Mr. Fortner has a broad engineering background with primary expertise is in the area of hydrology and hydraulics related to flood control, flood insurance studies, flood protection planning, and regulatory

permitting. Specific work includes modeling, design, levees, and infrastructure works in the Sacramento-San Joaquin Delta.

PROJECT EXPERIENCE

Bethel Island Municipal Improvement District, Contra Costa County, CA. District Engineer.

Engineering Design Support for Dam Safety on 30 State Water Project dams, DWR, Sacramento, CA.

Project 184 FERC Dam Inspections, El Dorado Irrigation District, Placerville, CA.

Flood Emergency Response (FloodER) Program, DWR, Sacramento, CA.

General Consulting, South Sutter Water District, Sacramento, CA. On-Call Consulting

Hydraulic and Alternatives Analysis, Napa River Project, City of St. Helena, CA.

Engineer for a variety of hydraulic and water supply projects.

South Sutter Water District On-Call Consulting Engineer, Placer/Sutter County, CA.

Master Drainage Plan, Reclamation District No. 551, Pearson District, Sacramento County, CA.

DAVID MILLER, PHD, PE

Proposed Role: Water Conservation and Grant Writing (GEI Rate Sheet: Grade 7)

Education	Industry Experience	GEI Experience	Registrations/Licenses
PhD, Biology/Agriculture Engineering, North Carolina State University MS, Irrigation engineering, Utah State University BA, English Literature, University of North Carolina	44 years	13 years	Professional Engineer, IL No. 00620-045998

Dr. Miller is a professional civil engineer with a doctorate in Biological and Agricultural Engineering. He has applied his extensive water resource engineering experience throughout the United States and overseas.

PROJECT EXPERIENCE

Oakdale Irrigation District Water Measurement Study, CA. Project Manager assisting the District perform a study of options for measuring spillage, drainage and stormwater outflows.

Evaluation of Irrigation Management Practices, Metropolitan Water District, Los Angeles, CA.

Regional Water Management Plan, Stevinson Water District, Newman, CA.

CALFED Water Use Efficiency Monitoring and Verification Project, CA. Project Manager.

Los Angeles Department of Water & Power, Los Angeles, CA. Prepared grant applications for three water conservation projects that were approved for funding from DWR’s Water Use Efficiency Program.

Mojave Water Agency, Apple Valley, CA. Led preparation of a grant application for Reclamation’s 2014 WaterSMART and DWR’s Water and Energy grant programs.

DONGHAI WANG, PHD, PE

Proposed Role: Water Conservation (GEI Rate Sheet: Grade 8)

Education	Industry Experience	GEI Experience	Registrations/Licenses
PhD, Biology/Agriculture Engineering, North Carolina State University MS, Civil and Environmental Engineering, Tsinghua University	22 years	9 years	Professional Engineer, CA No. 69491

Dr. Wang is a professional civil engineer with 18 years of consulting experience in Data Management, GUI development, Computer Modeling, Decision Support Tool and Web-based GIS application. He has extensive experience in hydrology, hydraulics, and water management projects throughout California.

PROJECT EXPERIENCE

Flood Emergency Response Information Exchange (FERIX), DWR, CA. FERIX, developed for DWR is a Web-based GIS-enabled tool to manage, disseminate, distribute, query and visualize flood related data and maps.

Gateway IRWMP Web Browser, GWMA, Paramount, CA. 2012 Web-based GIS database developed to store and analyze IRWMP information.

U.S. Army Corps of Engineers (USACE) Levee Inspection System, Sacramento

District, USACE, CA. System developed for USACE to collect, edit, manage, organize, report and analyze levee inspection information.

USACE Levee Enterprise GIS, Sacramento District, USACE, CA. Project manager and technical lead for the design of EGIS system for USACE to effectively document, share, and manage GIS data and tools.

Grants Application Review System (GARS), DWR, CA.

KWABENA O. ASANTE, PHD, PE

Proposed Role: Climate Change (GEI Rate Sheet: Grade 6)

Education	Industry Experience	GEI Experience	Registrations/Licenses
PhD, Water Resource Engineering, University of Texas, Austin MS, Construction Management, University of Texas, Austin BS, Civil Engineering, University of Nairobi, Kenya	20 years	7 years	Professional Engineer, CA No. 80880

Dr. Asante is an engineering hydrologist with extensive experience in modeling, planning, and building decision support systems for water, climate, renewable energy, and natural hazards. His areas of expertise include hydrology, water resources, climate risk management, forecasting, statistical analysis, GIS, remote sensing, infrastructure planning, and project management. Dr. Asante has conducted climate change analysis and adaptation planning studies for 5 different water management planning regions in California. He has prepared and secured federal grants for local and regional applications including the development of a toolkit for climate adaptation planning in small and medium water agencies. He has also served on technical panels reviewing project alternatives for climate adaptation.

PROJECT EXPERIENCE

Flood Emergency Response Program (Phase I & Phase II), DWR, Statewide, CA. Currently serving as Technical Lead and Project Manager for Climatology/Meteorology Support Services.

Gateway IRWMP, Los Angeles Gateway Region JPA, Los Angeles, CA.

IRWMP, Imperial Irrigation District, Imperial, CA.

FRANCINE DUNN

Proposed Role: Environmental Documentation (GEI Rate Sheet: Grade 8)

Education	Industry Experience	GEI Experience	Registrations/Licenses
BA, Environmental Studies, California State University, Sacramento	33 years	1 year	N/A

Ms. Dunn prepares and manages environmental studies to satisfy CEQA and NEPA requirements. In her 33 years of consulting, she has managed hundreds of CEQA and NEPA compliance documents for a variety of sectors, including land use/development (residential, commercial, industrial, recreational, public service, education, general and specific plans); linear (more than 8,000 miles); water resources, flood control; energy; natural resources; military training and military base reuse; remediation; ski resort; and transportation projects.

PROJECT EXPERIENCE

Twitchell Island Levee Improvements Project: San Joaquin Reach EIR, Reclamation District 1601, Sacramento County, CA. Project director for the EIR, supporting studies, and permitting strategy related to Reclamation District 1601 plans for needed improvements to the Twitchell Island levees along the San Joaquin River.

Sacramento Area Flood Control Agency and USACE, Sacramento District, Sacramento County, CA. Project director/manager for CEQA and NEPA compliance and strategy (with USACE as Federal lead agency), permitting, conservation strategy and mitigation development, public outreach, cultural and historic resources and Tribal coordination and strategy, Delta Consistency Determination, CEQA Findings and Statement of Overriding Considerations, and CEQA Mitigation Monitoring and Reporting Program (MMRP).

North Sacramento Streams, Sacramento River East Levee, Lower American River, and Related Improvements Project EIRs, EIS, and Comprehensive Environmental Services,

CINDY DAVIS

Proposed Role: Environmental Documentation (GEI Rate Sheet: Grade 7)

Education	Industry Experience	GEI Experience	Registrations/Licenses
BS, Biological Conservation, California State University, Sacramento	21 years	1 year	N/A

Ms. Davis is a senior regulatory specialist and project manager/director with over 21 years of experience leading natural resources projects. She has a long and successful track record of securing permits and other regulatory approvals for private developers, state agencies, and local jurisdictions. Her project management experience includes directing projects pertaining to restoration; flood control and water storage; infrastructure; residential, commercial, and government buildings; and transportation. She is proficient in ESA and CESA compliance with considerable experience in Section 7 consultations.

Ms. Davis has extensive experience in USACE wetland regulations and the permitting process pursuant to Section 404 and 401 of CWA. She has developed positive and productive relationships with the representatives of regulatory agencies (e.g., USACE, CDFW, USFWS, and RWQCB) to facilitate permit acquisition.

PROJECT EXPERIENCE

Tuolumne River Regional Park Gateway Parcel Phase 2 Design, CEQA, and Permitting, City of Modesto, Stanislaus County, CA. Project manager for Phase 2 of the Gateway Precise Plan, a component of the Tuolumne River Regional Park (TRRP) Master Plan involves park improvements in the City of

Modesto, including trails and bridges, a backwater channel, and picnic and promenade areas.

Raley’s Landing EIR and Permitting, City of West Sacramento, Yolo County, CA. Project manager and senior regulatory specialist for permitting for the Raley’s Landing mixed-use development.

VANCE HOWARD

Proposed Role: Habitat Restoration (GEI Rate Sheet: Grade 6)

Education	Industry Experience	GEI Experience	Registrations/Licenses
BS, Environmental Horticulture and Urban Forestry, University of California, Davis	19 years	1	N/A

Mr. Howard is a senior restoration ecologist and project manager with experience in planning, design, and implementation of restoration and mitigation projects in riparian, wetland, grassland, oak woodland, and forested habitats. Mr. Howard leads GEI’s Sacramento-based Ecological Planning and Design team. He specializes in large-scale conservation and mitigation planning, including projects that integrate ecosystem restoration and natural resource management with flood protection, recreation, and urban planning. Mr. Howard has worked on numerous projects with DWR, Sacramento Area Flood Control Agency, and California State Parks.

PROJECT EXPERIENCE

American River Mile 0.5 Aquatic and Riparian Habitat Creation Project, Sacramento Area Flood Control Agency, Sacramento County, CA. Project manager overseeing all aspects of project development and delivery; specifically contributed to site planning and design, developed habitat mitigation construction documents, and provided habitat mitigation construction management.

Lower Elkhorn Basin Levee Setback Project EIS/EIR, USACE and DWR, Yolo County, CA. Restoration ecologist providing habitat mitigation planning and design services, and supporting the client with strategic guidance to ensure project habitat improvements contribute to regional conservation efforts, for this project to construct new setback levees east of the Tule Canal and north of the Sacramento Bypass in the Lower Elkhorn Basin.

SARAH TROEDSON, GISP

Proposed Role: GIS Support (GEI Rate Sheet: Grade 5)

Education	Industry Experience	GEI Experience	Registrations/Licenses
MGIS, Master of Geographic Information systems, Penn State World Campus BS, Geology, California State University, Sacramento	19 years	11 years	Geographic Information Systems Professional, GIS Certification Institute, No. #58500

Ms. Troedson is a Geographic Information Systems Professional (GISP) with a background in geology, a Masters in Geographic Information Systems (MGIS), and over 19 years of experience in Geographic Information Science and Technology. She is skilled in GIS technology to a wide variety of practice areas including planning, water resources, emergency management, and geology.

PROJECT EXPERIENCE

IRWMP Update, San Luis Obispo County, San Luis Obispo County, CA.

Eastern San Joaquin County IRWMP Update, San Joaquin County Public Works, Stockton, CA.

Gateway IRWMP, Los Angeles Gateway Region JPA, Los Angeles, CA.

Paso Robles Groundwater Basin Management Plan, City of Paso Robles, San Luis Obispo County, CA.

Poso Creek IRWMP, Semitropic Water Storage District, Wasco, CA.

Upper Santa Ana River IRWMP, San Bernardino Valley Municipal Water District, Sacramento, CA.

Yuba County IRWMP, Yuba County Water Agency, Marysville, CA.

PROJECT APPROACH AND UNDERSTANDING

GWMA has taken the lead in regional water management in Southeastern Los Angeles County over the last decade. Gateway cities joined together with the major regional water districts, under GWMA, working on many of the water management issues common to the cities on a regional basis, such as the Trash TMDL, watershed water quality requirements, and integrated regional water management planning. GWMA has consolidated the burden of project administration and leadership on their participating members and neighboring cities and provided funding opportunities for important regional water management projects.

To effectively respond to funding opportunities and technical consultant needs, GWMA has qualified a number of qualified engineering and water-management planning consultants that can respond to specific tasks and opportunities identified and authorized by GWMA. Pre-qualified firms and teams also reduce the administrative workload for advertising and processing proposal and qualification requests for individual program or project needs. The scope of the work spans regional water planning, engineering, and grant writing; amongst other technical tasks. This is the second round of GWMA RFQ solicitations.

Generally, Gateway cities are reactionary to grant solicitations, not fully anticipating upcoming funding opportunities. GWMA may want to invest in completing feasibility, cost estimates, environmental documentation, plans, and engineering; perhaps guided by a consultant so that they are ready for the next solicitation.

Other work that may be anticipated for GWMA in the next few months or years would include updating the Gateway IRWMP and the IRWMP Projects' list. To receive State funding (Prop 1), projects must be included in the IRWMP process and new required elements addressed. New projects that Gateway cities may want considered in a grant solicitation must be formally added to the project list using the process outlined in the Gateway IRWMP.

The IRWM plan update process reviews the plans goals and objectives, considers new strategies, and is a formal public procedure. A new plan update will be needed within the duration of this contract.

The GEI Team has extensive experience in all the services outlined in the Request for Qualifications. The Team is prepared to provide responsive and quality services in all categories.

To cover IRWMP-related needs, we have included some key staff and teaming partners from the original Gateway IRWMP development. This makes the technical staff most familiar with the Gateway IRWMP and its specific studies and procedures available should GWMA need those services. They are also qualified for and have worked on other types of projects in the Region such as grant writing, groundwater, storm water, water quality, and other activities.

Our approach to providing services will continue to focus on the following principles:

- **Accessible.** The Team's Project Manager and staff will be accessible and reachable to GWMA representatives at all times by phone and with minimum lead time, in person. While we propose to manage work predominantly from GEI's Sacramento Office, staff from our Pasadena Office will be available for support. GEI's teaming partners have offices in or nearby the Gateway Region.
- **Responsive.** We will continue being prompt and responsive to GWMA inquiries, needs, and assignments.

- **Quality Work and Quality Control.** The GEI Team strives to produce quality products for clients. GEI's policy is to perform a quality control review of all major deliverables and products by knowledgeable senior staff before submitting them to a client.
- **Flexible.** Assignments often change as work progresses. The GEI Team will be flexible to changing assignments.
- **Deep Bench.** The GEI Team will secure and retain an abundant capacity of technical resources available for GWMA projects. This large pool of technical staff allows our team to be available and for an on-call, on-demand work. GEI has nearly 800 staff in 37 offices nationwide with technical experts that can supplement the personnel identified specifically in this SOQ. Likewise, our subcontractors have additional capacity should more resources be needed; say if coincident and multiple task orders are required.
- **Cost Control Review.** The GEI Team is sensitive to the constrained budgets of Gateway Cities and GWMA. We will look for the most efficient and economical method of solving problems and completing assignments.
- **Reasonable Budget and Schedule.** Each task order to the Professional Services Agreement must be developed, accepted, and agreed to by GWMA and the GEI Team before work begins. Task orders must specifically define the scope (task list), deliverables, timetable, and ultimate expectations of the work. They must be achievable, reasonable, and then, after being set, followed closely so that results meet the vision of both the Team and GWMA.
- **Experienced Program or Task Manager.** Task order progress will be watched carefully to see that work milestones are completed on time and within budget. There is no substitute for an experienced program manager like Bill Bennett, who will manage most tasks for the GEI Team. Bill is also backed up by several qualified and experienced activity managers identified on the GEI Team, should additional or multiple tasks run concurrently. Mr. Bennett and the activity managers will work closely with GWMA staff and representatives in each task order phase to guarantee that work meets the expectations and scope. Working closely with GWMA includes sharing the status of work, task progress, issues, and potential course corrections. This working relationship is important as it builds and maintains trust between GWMA and the Team needed for a successful project outcome. It is also essential in watching and reducing costs.

The GEI Team looks forward to maintaining its close relationship with GWMA as the Authority further advances and improves water management in the Gateway Region.

BILLING RATE SCHEDULE

GEI CONSULTANTS, INC.

Personnel Category	Hourly Rate
Staff Professional – Grade 1	\$110
Staff Professional – Grade 2	\$121
Project Professional – Grade 3	\$133
Project Professional – Grade 4	\$149
Senior Professional – Grade 5	\$176
Senior Professional – Grade 6	\$201
Senior Professional – Grade 7	\$238
Senior Consultant – Grade 8	\$267
Senior Consultant – Grade 9	\$330
Senior CADD Drafter & Designer	\$133
CAD Drafter/Designer & Senior Technician	\$121
Technician, Word Processor, Administrative Staff	\$99
Office Aide	\$77

SUBCONSULTANTS

GEOSCIENCE

Professional Services	Hourly Rates
Principal Hydrologist	\$311
Senior Modeler	\$238
Senior Geohydrologist	\$211
Senior Engineer	\$216
Project Geohydrologist	\$179
Sr. Staff Geohydrologist	\$149
Staff Geohydrologist	\$135
Graphics and GIS Illustrator	\$119
Clerical	\$100

Paradigm Environmental

Professional Services	Hourly Rates
Principal in Charge	\$216
Principal Engineer	\$206
Principal Hydrologist	\$191
Principal WQ Analyst	\$185
Principal Scientist	\$180
Senior Engineer	\$180
Senior Hydrologist	\$175
Senior WQ Analyst	\$170
Senior Scientist	\$165
Associate Engineer	\$149
Associate Hydrologist	\$144
Associate WQ Analyst	\$139
Associate Scientist	\$134
Staff Engineer	\$124
Staff Hydrologist	\$118
Staff Analyst	\$113
Staff Scientist	\$108
Graphic Designer	\$103
Editor	\$93
GIS Technician	\$88
Field Specialist	\$77
Contract Administrator	\$88
Clerical	\$52
Intern	\$40

LIST OF SUBCONSULTANTS

To complement GEI's skills and resources, we have exclusively teamed with the following subcontractors to provide specialized expertise in their particular disciplines.

GEOSCIENCE



GEOSCIENCE is an established geohydrologic consulting firm located in La Verne, specializing in ground water resource planning, development, management, and protection. Through the use of state-of-the-art tools and analytical techniques, backed by proven scientific methodology, GEOSCIENCE continues to maintain its place at the forefront of technology in the area of well design, well field evaluation, ground water modeling, ground water studies, and basin management.

GEOSCIENCE is a privately owned, California corporation, and has been in continuous operation since its establishment in 1978. All GEOSCIENCE projects are directed by Dr. Dennis Williams, who is the President and Founder of the company. Dr. Williams has a PhD in ground water hydrology and over 35 years of experience in ground water related projects. GEOSCIENCE's staff of 22 professionals includes eight Professional Geologists, four Certified Hydrogeologists, and an Engineering Geologist. In addition, GEOSCIENCE is a certified Small Business Enterprise with the State of California and the Metropolitan Water District of Southern California.

GEOSCIENCE provides experience in the Gateway Region and several technical areas, including: Groundwater Management, Basin Characterization, Artificial Recharge Studies, Groundwater Quality Studies and Remediation, Evaluation of Subsidence due to Ground-water Withdrawal, and Groundwater Flow.

PARADIGM ENVIRONMENTAL, INC. (PARADIGM)



Paradigm is a privately-owned consulting firm that specializes in compliance with water quality regulations. The core service line for Paradigm is stormwater management, which includes planning, modeling, engineering, and regulatory support. With Paradigm's knowledge and understanding of the Clean Water Act and associated stormwater permits and TMDLs, its team is to help agencies respond to increasing pressures to improve water quality and reduce impacts from stormwater. Paradigm's experts have supported major stormwater programs in the U.S., and have a successful track record of leading some of the most challenging water quality projects in southern California. Paradigm has a strong reputation in Los Angeles County through support of numerous clients including the Upper Reach 2 LA River Group, Los Angeles County Department of Public Works, and City of Carson.

PROFESSIONAL SERVICES AGREEMENT

This Professional Services Agreement (“Agreement”) is dated and effective NOVEMBER 9, 2017 and is between the Los Angeles Gateway Region Integrated Regional Water Management Authority also referred to as the Gateway Water Management Authority (“GWMA”) and Atkins North America, Inc. (“Consultant”).

The parties agree as follows:

SECTION 1 - SCOPE OF SERVICES

Consultant shall provide the services (the “Services”) described with each requested scope of services upon GWMA’s approval of cost, schedule and any other applicable terms.

SECTION 2 - TIME FOR PERFORMANCE

The term of this Agreement shall commence on the effective date of this Agreement and expire on November 9, 2022, unless earlier terminated in accordance with the terms of this Agreement or extended by the Project Manager or GWMA Chair.

SECTION 3 - STANDARD OF PERFORMANCE

Consultant’s services shall be performed in accordance with generally accepted professional practices and principles and in a manner consistent with the level of care and skill ordinarily exercised by members of Consultant’s profession currently practicing under similar conditions. By delivery of completed work, Consultant certifies that the work conforms to the requirements of this Agreement and all applicable federal, state and local laws and regulations. Consultant shall maintain throughout the term of this Agreement all licenses, certifications, registrations or other similar requirements necessary for Consultant’s performance of services under this Agreement.

SECTION 4 - OWNERSHIP OF WORK PRODUCT

Upon delivery, the work product, including, without limitation, all original reports, writings, recordings, drawings, files, and detailed calculations developed under this Agreement (collectively “work product”) are GWMA’s property. All copyrights that arise from work product shall vest in GWMA. Consultant waives and relinquishes all claims to copyright or other intellectual property rights in the work product in favor of GWMA. GWMA’s use of the work product is limited to the purposes contemplated by the Services and Consultant makes no representation of the suitability of the work product for use in or application to circumstances not contemplated by this Agreement. Any alteration or reuse by GWMA of the work product on any project other than the Services provided pursuant to this Agreement shall be at GWMA’s sole risk, unless GWMA compensates Consultant for such alteration or reuse.

SECTION 5 - COMPENSATION AND METHOD OF PAYMENT

GWMA shall pay Consultant, for the Services performed based on the proposal/quote received and accepted for each scope of work.

Consultant shall perform the Services for the amount(s) listed for each scope of work. GWMA shall not withhold federal payroll, state payroll and other taxes, or other similar deductions from each payment made to Consultant. Consultant shall pay all applicable federal, state, and local excise, sales, consumer use, and other similar taxes required by law. GWMA shall not allow any claims for additional services performed by Consultant, unless the Project Manager or GWMA Chair authorizes the additional services in writing prior to Consultant's performance of the additional services or the incurrence of additional expenses. Any additional services authorized by the Project Manager or GWMA Chair shall be compensated at the hourly rates set forth above, or, if not specified, at a rate mutually agreed to by the parties. Consultant shall submit invoices to GWMA on a monthly basis for actual work performed and actual expenses incurred during the preceding month. The invoices shall describe in detail the services performed by each person for each task, including the days and hours worked. GWMA shall review the invoices and notify Consultant in writing within ten (10) business days of any disputed amounts. GWMA shall pay all undisputed portions of the invoices within thirty (30) calendar days after receipt up to the maximum amount of compensation specified above. GWMA shall make payment payable to: Atkins North America, Inc., 7700 The City Drive South, Suite 5000, Orange, CA 92868.

SECTION 6 - INDEPENDENT CONTRACTOR

Consultant is an independent contractor. Neither Consultant nor any of Consultant's officers, employees, agents or subconsultants, if any, shall be an employee of GWMA or its members by virtue of this Agreement or performance of the Services under this Agreement.

SECTION 7 - CONFLICT OF INTEREST

Consultant and its officers, employees, associates and sub consultants, if any, shall comply with all applicable conflict of interest statutes of the State of California applicable to Consultant's Services under this Agreement, including, the Political Reform Act (Cal. Gov. Code § 81000, *et seq.*) and Government Code Section 1090.

SECTION 8 - INDEMNIFICATION

Indemnities. Consultant shall indemnify, defend and hold harmless GWMA, and its officials, officers, attorneys, agents, employees, designated volunteers, successors and assigns in accordance with the terms of this Section 9. Consultant's covenant under this Section 9 shall survive the expiration or termination of this Agreement.

To the fullest extent permitted by law, Consultant hereby agrees, at its sole cost and expense, to protect, defend, hold harmless and indemnify GWMA, its officials, officers, attorneys, agents, employees, designated volunteers, successors, assigns and those GWMA agents serving as independent contractors in the role of GWMA officials (collectively "Indemnitees") from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action,

proceedings, expenses, judgments, penalties, liens, and losses of any nature whatsoever, including fees of accountants, attorneys, or other professionals and all costs associated therewith and the payment of all consequential damages (collectively "Claims"), in law or equity, whether actual, alleged or threatened, which arise out of, pertain to, or relate to the acts or omissions of Consultant, its officers, agents, servants, employees, subconsultants, suppliers or their officers, agents, servants, employees, subconsultants, contractors (or any entity or individual that Consultant shall bear the legal liability thereof) in the performance of this Agreement, including the Indemnitees' active or passive negligence, except for Claims arising from the sole negligence or willful misconduct of Indemnitees, as determined by final arbitration or court decision or by the agreement of the parties. Consultant shall defend Indemnitees in any action or actions filed in connection with any Claim with counsel of Indemnitees' choice, and shall pay all costs and expenses, including all attorneys' fees and experts' costs actually incurred in connection with such defense. Consultant shall reimburse Indemnitees for any and all legal expenses and costs incurred by Indemnitees in connection therewith.

The indemnity under this Section 9 is effective regardless of any prior, concurrent, or subsequent misconduct, negligent acts, errors or omissions of the Indemnitees and without reference to the existence or applicability of any insurance coverages that are required under this Agreement or any additional insured endorsements that may extend to the Indemnitees. The indemnity under this Section 9 is in addition to any other rights or remedies that the Indemnitees may have under the law. Payment is not required as a condition precedent to the Indemnitees' right to recover under this Section 9, and an entry of judgment against Consultant shall be conclusive in favor of the Indemnitees' right to recover under this Section 9. Consultant shall pay Indemnitees for any attorneys fees and costs incurred in enforcing these indemnification provisions.

SECTION 9 - INSURANCE

Insurance Requirements.

Consultant shall at all times during the term of this Agreement carry, maintain, and keep in full force and effect, the following policies of insurance with minimum limits as indicated below and issued by insurers with A.M. Best ratings of no less than A:VII:

"Occurrence Form" Comprehensive General Liability Insurance (at least as broad as ISO Form CG 0001, covering liability on an occurrence basis) providing protection against bodily injury, including death, personal injury and property damage. This insurance shall provide broad form contractual liability protection covering the indemnity provisions contained in this Contract, underground hazards, products-completed operations. A per occurrence limit of \$2,000,000 and \$4,000,000 in the aggregate, written, with dedicated limits, on a "per project" basis; and a products-completed operations aggregate limit of at least \$4,000,000. The Contractor's insurance policy shall include or be endorsed to include a "severability of interests" provision ensuring that each "additional insured" is treated as if it is the only insured; and "Occurrence Form" Automobile Liability Insurance providing protection against bodily injury, including death, and property damage. This insurance shall provide contractual liability by endorsement (ISO Form CA 0001, Code 1, "any auto" or equivalent) and shall cover any motor vehicle (or mobile equipment, to the extent it may be excluded from general liability insurance) used by the Contractor (whether owned, non-owned, hired or scheduled). The Contractor's insurance policy

shall include or be endorsed to include a “severability of interests” provision ensuring that each “additional insured” is treated as if it is the only insured; and

Professional liability (if Design/Build), with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate, with a five year tail from the completion of the project; and

Workers’ compensation and Employer’s Liability: Workers’ Compensation insurance as required by the State of California, with Statutory Limits, and Employers’ Liability insurance with a limit of no less than \$1,000,000 per accident for bodily injury or disease.

The insurance required by this Section 10 shall apply on a primary non-contributing basis. Any insurance or self-insurance maintained by GWMA, its member agencies, officers, employees, agents, subcontractors or volunteers, shall be in excess of Consultant’s insurance and shall not contribute with it.

The automobile and comprehensive general liability insurance policies shall contain an endorsement naming GWMA and its officers, employees, officials and agents as additional insureds. All insurance policies shall contain an endorsement providing that the policies cannot be canceled or reduced except on thirty (30) days’ prior written notice to GWMA. All insurance policies shall be endorsed to delete the subrogation condition as to GWMA, or shall explicitly allow Consultant to waive Consultant’s right of recovery prior to loss. Consultant waives all rights of subrogation and contribution against GWMA. Consultant shall require its insurer to modify the certificates of insurance to delete any exculpatory wording stating that failure of the insurer to mail written notice of cancellation imposes no obligation, and to delete the word “endeavor” with regard to any notice provisions.

Consultant shall require all subconsultants or other third parties hired to perform services under this Agreement, to carry, maintain, and keep in full force and effect, insurance policies that meet the requirements of this Section 10, unless otherwise agreed to by GWMA. The procurement of insurance by any subconsultant or other third party hired to perform services under this Agreement shall not relieve Consultant from any duties or liability otherwise arising under this Section 10.

Prior to performance of the Services under this Agreement, Consultant shall file a certificate or certificates of insurance, together with the required endorsements, with GWMA showing that the insurance policies are in effect in the required amounts.

SECTION 10 - TERMINATION

Termination by the Parties.

Termination by GWMA. The Project Manager or GWMA Chair may terminate this Agreement or any portion of this Agreement or the Services required under this Agreement for any reason on ten (10) calendar days’ written notice to Consultant. Upon receipt of a notice of termination, Consultant shall perform no further services except as specified in the notice. Before the date of termination, Consultant shall deliver to GWMA all work product, whether complete or incomplete, prepared or compiled through the date of termination and not otherwise previously

delivered to GWMA. GWMA shall pay Consultant for services satisfactorily performed in accordance with this Agreement to the date of termination. GWMA shall reimburse Consultant for authorized expenses incurred to the date of termination and not previously reimbursed. Consultant shall not have any other claim against GWMA by reason of such termination.

Termination by Consultant. Consultant may terminate this Agreement on thirty (30) calendar days' written notice to GWMA only in the event of a material default by GWMA, which default GWMA has not been cured within thirty (30) days following receipt by GWMA of written notice from Consultant specifying the basis of the alleged default.

SECTION 11 - ADMINISTRATION

GWMA's representative for administration of this Agreement, is the Grace Kast, or such other person designated in writing by the Executive Officer ("Project Manager"). Consultant's representative for administration of this Agreement is Alberto Acevedo ("Consultant's representative"), unless notified in writing by Consultant that additional representatives are authorized.

SECTION 12 - NOTICES

Any routine administrative communication between the Project Manager and the Consultant's representative required to be in writing may be made by personal delivery, first class U.S. mail, facsimile transmission or electronic mail. Any other notices, invoices or reports required by this Agreement shall be given by first class U.S. mail or by personal service. Notices shall be deemed received on (a) the day of delivery if delivered by hand or overnight courier service during Consultant's and GWMA's regular business hours or by facsimile before or during Consultant's regular business hours; or (b) on the third business day following deposit in the United States mail, postage prepaid, to the addresses below, or to such other addresses as the parties may, from time to time, designate in writing pursuant to the provisions of this Section 13. All notices shall be delivered to the parties at the following addresses:

If to GWMA: Gateway Water Management Authority
Attn: Toni Penn
16401 Paramount Blvd.
Paramount, CA 90723
Email: tonipenn.gateway@gmail.com

If to Consultant: Atkins North America, Inc.
Attn: Alberto Acevedo
770 The City Drive South
Suite 5000
Orange, CA 92868
Email: alberto.acevedo@atkinsglobal.com
Phone: 714-750-7275

SECTION 13 - WAIVER

No delay or omission to exercise any right, power or remedy accruing to GWMA under this Agreement shall impair any right, power, or remedy of GWMA, nor shall it be construed as a waiver of, or consent to any breach or default. No waiver of any breach, any failure of a condition, or any right or remedy under this Agreement (1) shall be effective unless it is in writing and signed by the party making the waiver; (2) shall be deemed to be a waiver of, or consent, to any other breach, failure of a condition, or right or remedy, or (3) shall be deemed to constitute a continuing waiver unless the writing expressly so states.

SECTION 14 - ATTORNEY'S FEES

In the event that either party to this Agreement shall commence any legal action or proceeding to enforce or interpret the provisions of this Agreement, the prevailing party in such action or proceeding shall be entitled to recover its costs of suit, including reasonable attorney's fees.

SECTION 15 - ENTIRE AGREEMENT

This Agreement constitutes the final, complete and exclusive statement of the terms of the agreement between the parties pertaining to the subject matter of this Agreement and supersedes all other prior or contemporaneous oral or written understandings and agreements of the parties.

SECTION 16 - MODIFICATION

This Agreement may be supplemented, amended or modified only by a writing signed by Consultant and the Project Manager or GWMA Chair.

[SIGNATURE PAGE FOLLOWS]

The parties are signing this Agreement on the effective date.

GWMA

Consultant

Los Angeles Gateway Region Integrated
Regional Water Management Authority

Atkins North America, Inc.

By: _____
Name: Christopher Cash
Title: Chair

By: _____
Name: _____
Title: _____

By: _____
Name: _____
Title: _____

(Please note: Two signatures required for corporations pursuant to California Corporations Code Section 313.)



ATKINS

GATEWAY WATER
MANAGEMENT AUTHORITY

Statement of Qualifications for

**General On-Call
Professional Technical and/
or Engineering Services**

August 21, 2017



Atkins North America, Inc.
770 The City Drive South, Suite 5000
Orange, California 92868

Telephone: +1.714.750.7275
Fax: +1.714.750.2501

www.atkinsglobal.com/northamerica

August 21, 2017

Gateway Water Management Authority
Attn: Ms. Bibi Weiss
16401 Paramount Boulevard
Paramount, CA 90723

Subject: General On-Call Professional General, Technical and/or Engineering Services

Dear Evaluation Committee Members,

The Gateway Water Management Authority (GMWA) is planning to utilize experienced and qualified consultant firms to provide general consulting services, and/or engineering/technical services. Atkins offers the leadership of a consultant team with broad-based expertise, local presence, depth of resources, understanding of key issues, and extensive experience with government and community organizations. Our team consists of qualified professionals with working knowledge of capital improvement projects (CIP) for water supply, stormwater management, groundwater, water conservation, wastewater infrastructure and related facilities, and extensive experience in the preparation of CEQA/NEPA documents associated with water/watershed/stormwater programs. The Atkins team can provide the necessary depth of resources and technical capabilities in addition to the added benefit of local relationships and knowledge required to be successful.

Benefits offered by Atkins include a seasoned project director supported by a flexible team of specialists, commitment to GWMA, and extensive infrastructure experience. Atkins understands your need for an efficient and comprehensive consultant team and is dedicated to exceeding your expectations. With more than 140 professionals in our California offices, and 3,800 in Atkins North America we have the resources to meet your needs.

Atkins has assigned a project director with extensive Southern California experience in planning and design/construction of water and wastewater facilities, Alberto Acevedo, PE, BCEE, PMP. As project director for this solicitation, I will be GWMA's primary contact and project coordinator. I offer 37 years of experience in water, wastewater, stormwater, and recycled water design projects throughout California, Nevada, Arizona, Texas, and in Latin America. I also have experience with CIP alternative project delivery such as Design-Build (DB), and specifically work on tasks under "as-needed contracts" for several agencies including the City of Los Angeles BOE, the City of Pico Rivera and South Coast Water District. As a contract project manager for Orange County Sanitation District (OCSD), I successfully deliver over a dozen CIP projects from cradle to grave including the Magnolia Trunk Sewer rehabilitation using sliplining technology with HDPE pipe. This project was the first design-build for OCSD, and received the rehabilitation project of the year award in 2012 by Trenchless Technologies Magazine. For the City of Pico Rivera, I am the project manager and technical lead for several projects including the preparation of the 2017 update to the Urban Water Management Plan, design and construction of the Street Sweeper Transfer Station, and the design and construction of the Electrical Upgrades to Water Plants No. 1 and 2. Currently I am working on the rehabilitation of the Highbury Pumping Plant for the City of Los Angeles BOE and the upgrades to the Summerly Pump Station for Elsinore Valley Municipal Water District. Considering my experience with successful delivery of similar projects, I will provide the required expertise and leadership to successfully support the GWMA on future projects.

To augment our capabilities, we have partnered with qualified specialty consultants with the required experience to support specific services listed in the RFP documents under the scope of services. These firms include DDB Engineering, Inc. (DDB) a specialist in Regional and local Planning and preparation of Grant writing/grant implementation-management, and ProjectLine Technical Services a highly-qualified firm in the preparation of construction documents for electrical and instrumentation and SCADA facilities.

Atkins offers proven technical expertise in water, stormwater, groundwater, water conservation and environmental and permitting for water/watershed/stormwater programs. Our team members have successfully supported the design and construction of water, stormwater, groundwater and wastewater facilities including water wells, pipelines, pump stations, force mains, and treatment processes. Atkins is one of the country's leading consulting firms in providing on-call services and project management. We have a demonstrated record of performance on projects across the nation. Our experience with local water, wastewater agencies and flood control districts, along with regulatory agencies, will minimize the learning curve and bring cost savings to the GWMA. As demonstrated in this submittal, our skilled team members will handle all required services as well as provide technical and managerial resources to ensure the successful development of technical studies and delivery of construction document packages.

We look forward to the opportunity to work with the GWMA staff, and we bring positive attributes to assist the GWMA in meeting your strategic goals. If you have any questions or require additional information, please contact me at 714.750.7275 (office), 213.359.9013 (cell), or by email at alberto.acevedo@atkinsglobal.com.

Sincerely,



Michael Van Antwerp, AICP
Principal-in-Charge



Alberto Acevedo, PE, BCEE, PMP
Project Manager/Director

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1. Company qualifications

Atkins is a leading provider of engineering, planning, architecture, construction management, environmental sciences, energy, and program management services. Atkins has been providing water and wastewater services to cities, counties, municipalities, and water and sanitation districts for more than 40 years. Atkins has approximately 3,800 employees and 70 offices in North America and nearly 100 in our San Diego and Orange County offices. We can provide a tremendous depth of resources and technical capabilities without losing the local connection and knowledge needed to be successful on your projects.

Atkins assists numerous agencies in meeting their water, recycled water, and wastewater infrastructure needs. We understand the challenges you face with new and/or aging infrastructure, severe water drought, sustainability and smart growth, program funding, and limited staff.

Corporate organization. The Atkins North America Holdings Corporation is a wholly-owned subsidiary of WS Atkins plc. WS Atkins plc is a publicly-traded corporation in the United Kingdom on the London Stock Exchange (ATK). Atkins North America, Inc., is a wholly-owned subsidiary of The Atkins North America Holdings Corporation. The Atkins North America Holdings Corporation and Atkins North America Inc. do not hold shares in WS Atkins plc.

Our Orange County office will have the primary responsibility for providing services to the District under this contract.

2. Discipline specific experience

Atkins is submitting our SOQ for the services listed in the RFQ. Atkins has completed Feasibility studies, watershed projects, prepared bid documents (Plans/Specifications & Cost Estimates) for CIP projects, GIS mapping, completed CEQA/NEPA documents and proceeding for many southern California agencies, etc. The projects included in the following matrix summary demonstrate our experience in various work components which will potentially be requested under this procurement.

Experience completing services. The Atkins team offers the required experience to efficiently complete every project assignment. Because of our extensive experience providing CIP planning and design services, Atkins will minimize training time and bring cost savings to the District. Our qualifications are notably highlighted by our individual team members' expertise and relevant experience.

Our matrix summary of current and past relevant projects that we have performed within the last 5 years starts on page 16 of this SOQ.

The following sections present a summary of our experience in some of the categories listed in the SOQ document.

2.1 Preparation of bid documents

Atkins has prepared many bid documents for Agencies and Water Districts throughout southern California. Recently Atkins completed bid documents for the Electrical Upgrades to Plant No. 1 and 2 for the City of Pico Rivera, these documents included the design of the control panel upgrades and the design of the new main switchboard to operate the plants. The bid documents included construction drawings, technical specifications and construction cost opinion. In addition, Atkins is supporting the city during the construction of the recommended facilities by providing shop drawing reviews, clarifications to questions from the Contractor, change order approvals and coordination with power agency SCE for the construction of a new service to Plant No. 2.

Similar work has been completed for the City of LA BOE, OCS&D and EVMWD. For the city of LA BOE we have completed a 100% design to prepare for the Bid Process, and request Contractor's bids for the construction of the recommended improvements for the rehabilitation of the Highbury Pumping Plant, in addition we will provide BOE with construction support services. For OCS&D we prepare the design documents and assisted the District in preparing the Bid Package to request bids from potential contractors for the construction of the Final Effluent Sampler Building and area upgrades (Project J-110), Atkins provided construction support services for this project.

2.2 Water/watershed/stormwater

Atkins has designed and managed all types of capital improvement program (CIP) projects including water and sewer pipelines, pump stations, reservoirs, sewer trunk and force mains, sewage lift stations, pressure reducing stations, surge control facilities, treatment facilities, and storm drain systems and drainage. Atkins' experience in water and recycled water facilities design involves coastal projects such as the Short Ocean Outfall Rehabilitation project for Orange County Sanitation District, thousands of miles of pipelines, pressure reducing stations, retrofits for recycled water systems, and storage tanks.

Services include:

- Preparation of preliminary design reports
- Preparation of construction documents (plans, specifications, and cost estimates)
- Bid support services
- Construction support services
- Commissioning support services
- Preparation of record documents
- Project closeout

2.3 Construction management and inspection services

Construction management begins and ends with project documentation. Throughout each project, the Atkins team will thoroughly document the daily activities of the contractor including staff, equipment, materials, and progress. It is essential to proactively address possible change orders and validate any possible claims by the contractor. Before processing a contractor change order, or if the change order is initiated by the District, Atkins will verify that the work item is not subsidiary to another or covered elsewhere. On projects with aggressive schedules, to reduce time delays we propose to follow internal quality control procedures mandating that all requests for information (RFI) are closed within 48 hours and that all submittals are reviewed within five days. By limiting the response time, the responsibility for contractor delays remains with the contractor. We take this approach so that if there are any delays, they will be contractor delays. Services include:

- Constructability review
- Value engineering
- Contract administration
- Construction engineering and inspection
- Resident engineering
- Project controls
 - Scheduling and estimating
- Project documentation
- Change management and claims avoidance
- Post-construction
 - Dispute analysis/resolution; maintenance programming; warranty inspection; financing inspection; lessons learned; final reports; as-built drawings; facilities startup and commissioning

Atkins recently completed the design of the Farmersville Wastewater treatment plant for the City of Farmersville.

This facility will be constructed with a Grant Funds provided by the United States Department of Agriculture (USDA) and design Grant funds provided by the local power utility SCE by using the “Savings by Design” approach which is a program administered by the California Public Utilities Commission.



2.4 Water, sewer, and recycled water engineering design

Atkins has designed and managed all types of capital improvement program (CIP) projects including water and sewer pipelines, pump stations, reservoirs, sewer trunk and force mains, sewage lift stations, pressure reducing stations, surge control facilities, treatment facilities, and storm drain systems and drainage. Atkins’ experience in water and recycled water facilities design involves coastal projects such as the Short Ocean Outfall Rehabilitation project for Orange County Sanitation District, thousands of miles of pipelines, pressure reducing stations, retrofits for recycled water systems, and storage tanks. Services include:

- Development review and staff augmentation
- Site civil, roadway, and highway design
- Storm drainage and flood control design
- Water and recycled water design
 - Distribution and transmission pipelines; pump stations; pressure reducing stations; water treatment; reservoirs (concrete, steel)
- Wastewater design
 - Gravity sewer mains; trunk sewers; lift stations; wastewater treatment; odor control
- Structural engineering
- Assessment engineering
- Permitting and coordination
 - Federal, state, and local agencies; funding applications



2.5 Environment compliance and permitting services

Atkins has solid relationships with many of the personnel at permitting agencies, and our understanding of their requirements allows us to complete applications faster and with fewer permit reviews. We have prepared permits for USACE, California Coastal Commission, California Department of Public Health, California Department of Fish and Wildlife (CDFW), Caltrans, County of San Diego, and others. Our staff can quickly maneuver through the permitting maze and design a project that complies with all environmental requirements. Through the National Pollution Discharge Elimination System (NPDES) General Permit, all owners are responsible for preventing contaminants and sediment transport from stormwater runoff on construction sites. Atkins has certified QSD/QSP staff to prepare water pollution control plans and SWPPPs that incorporate construction and post-construction (permanent) best management practices (BMP) compliant with NPDES and agency-specific requirements. Services include:

- Coastal development permitting from the California Coastal Commission (CCC)
- Compliance with California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA)
 - Categorical Exemptions and Exclusions (CE); Initial Studies and Mitigated Negative Declarations (IS/MND); Findings of No Significant Impact (FONSI); Environmental Assessments (EA); Environmental Impact Reports (EIR); Environmental Impact Studies (EIS)
- Filing of Record of Decision
- CEQA/NEPA compliance training
- Technical reports (all resource areas)
 - Air quality and noise; greenhouse gas (GHG); cultural resources and geology
- Biological assessments and inventories

- Focused endangered species surveys per U.S. Fish and Wildlife Service (USFWS) protocols
- Endangered species permitting
- Wetland delineations and permitting
- Construction mitigation and monitoring
- Public hearings and presentations
- Habitat management plans and site restoration

2.6 Private development plan checking

Development review services are integral to the protection of the public health and welfare, as well as to preservation of community character. In addition to strong technical abilities and experience, it is imperative that review staff have a solid understanding of community issues and policies to be sure technical elements, as well as policies and local concerns, are addressed by the applicants. Failure to appropriately address these considerations can result in unintended consequences with long term impacts. Additionally, we understand the Regional Water Quality Control Board (RWQCB) and the District's storm water quality requirements.

Atkins' highly qualified team of professionals has extensive experience providing development review services for a variety of agencies. We have worked with the cities of Dana Point, Irvine, Long Beach, Inglewood, Del Mar, Encinitas, Oceanside, San Marcos, Vista, as well as the counties of Orange, San Diego, and Riverside, including the Riverside County Transportation and Flood Control Districts. We have also performed reviews for several local utility agencies, including Olivenhain Municipal Water District, Carlsbad Municipal Water District, and the Encinitas and Olivenhain Sanitary Districts.



3. Client references

The following Client References can testify of our delivery capabilities and commitment to our clients:

- Gabriel Gomez, Pico Rivera, 562.801.4221, ggomez@pico-rivera.org
- Douglas Irvine, LABOE, 213.485.1665, Doug.Irvine@lacity.org
- Frank Salazar, LABOE, 213-485-4641, frank.salazar@lacity.org
- Kathleen T. Millea, OCSD, 714.593.7365, kmillea@ocsd.com
- Roman Obzejta, SCWD, 949-499-4555, ext. 3192, robzejta@scwd.com

4. Project team and project organization

Atkins believes that project success hinges upon the qualifications and expertise of the project team members. This on-call contract requires the leadership of a consultant team with broad-based experience, local presence, depth

of resources, and extensive dealings with government and community organizations. The Atkins team, shown on **Figure 1** on the following page, fulfills these requirements.

The key individuals shown in this section form the core of the Atkins team. As required, these team members can be supplemented by other individuals to provide additional skills or disciplines. Our team has collaborated on numerous CIP projects, performed development review services for numerous agencies, prepared environmental compliance and permitting services, and provided construction support services. We are familiar with the services required by GWMA, and we have the availability to meet your assignments.

Under the leadership of one firm Atkins has carefully assembled a diverse and flexible team to meet your needs. Our qualified professionals have the passion, commitment, and interest to produce deliverables that exceed GWMA goals. Individual resumes listing education, licenses, work experience and special skills for our team members are presented in the appendix to this SOQ.



Figure 1. Atkins' project organization.

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4.1 Team leadership

Our team will be led by Alberto Acevedo and Michael van Antwerp. As principal-in-charge, Mr. Van Antwerp will be responsible for overall resource allocation, team performance, and technical oversight so that quality projects are delivered on time. Mr. Acevedo will be the primary point of contact and will oversee the project delivery and performance under the on-call contract.

Alberto Acevedo, PE, BCEE, PMP has 37 years of experience in water, wastewater, and recycled water projects in California and in Latin America. He has experience with alternative project delivery, CIP, and particularly working on tasks under “as-needed services” for several agencies including the City of Los Angeles Bureau of Sanitation and the City of Pico Rivera. As a contract project manager for OCS D, he delivered the rehabilitation of the Magnolia Trunk Sewer using a the sliplining process (HDPE), this project was delivered using the design-build procurement process. This was the first D-B project for OCS D and received the rehabilitation project of the year award in 2012 by Trenchless Technologies magazine. Currently, he is Atkins’ contract and project manager for the Los Angeles and Pico Rivera on-call services. He is delivering a diversified set of projects including the rehabilitation of the Highbury Pumping Plant for LABOE/BOS electrical updates to two of the water plants, several stormdrain and sewer rehabilitation projects for Pico Rivera, and he is the contract manager for Construction Support Services for the Farmersville Wastewater treatment plant. Mr. Acevedo offers the District the required technical expertise and demonstrated track record of managing large teams of specialist and subconsultants.

He has the availability and the corporate commitment to lead our team and is committed to make this project a success and a key priority.

Michael Van Antwerp, AICP, has 26 years of experience in environmental and transportation planning, economic and urban redevelopment, infrastructure improvement, natural resource protection, historic renovation, roadway design and construction. He has been responsible as an office leader, program manager, project manager, construction manager, owners’ representative and environmental planner. He has extensive experience as a program manager and owner’s representative handling government procurement methods, developing financial reporting methods and managing projects in a variety of industries. Mr. Van Antwerp’s project leadership and strong

communication skills will be invaluable to this contract. As a principal-in-charge, he will be readily accessible and will provide leadership and guidance.

Robert ‘Jud’ Warren, PE, BCEE, has 36 years of engineering and management experience including planning, design, construction, and rehabilitation of water and wastewater projects. His career encompasses planning and design for new facilities and expansion of existing water treatment plants. His experience includes planning and design of water conveyance projects incorporating large-diameter pipeline, condition assessment, and relining. Mr. Warren has served in the quality review role on many water and wastewater projects in southern California over the last 25 years.

Jeffrey Endersby, PE, has 30 years of experience in the planning, design, and construction of projects similar to those anticipated by the District. Mr. Endersby has provided leadership with respect to project delivery, project management, project pursuits, financial management, and staff supervision. His professional experience includes water and wastewater infrastructure planning, design, and construction management; water treatment plant design and construction administration; and project management for water distribution and systems planning and design.

Ann Bechtel, PE, CFM, has 17 years of experience in planning, H&H modeling, and design of storm water infrastructure and flood control facilities. Her experience includes preparation of master drainage plans, H&H studies, floodplain studies, low impact development, water quality management plans, stream restoration, FEMA letters of map revision, NPDES program compliance, dam inundation studies, open channel design, scour analysis for bridge replacement and channel improvements, erosion protection, detention basin design, alluvial fan delineation, levee risk analysis, building code development and water quality planning and design projects. Ms. Bechtel was recognized by Civil + Structural Engineer Magazine in April 2016 as a Rising Star in Civil Engineering.

She was the project manager for the 2017 San Diego International Airport Strategic Drainage Master Plan intended to support the Water Stewardship Plan. The effort is a comprehensive plan including evaluations of stormwater quality, quantity, reuse and recommended infrastructure. She is the project manager for the Telegraph Canyon Channel Improvement project in Chula Vista, CA that provides provides recommended improvements that achieve integrated flood control and water quality benefits

and stakeholder coordination with the US Army Corps of Engineers, Federal Emergency Management Agency, Regional Water Quality Control Board, and US Fish and Wildlife. Other key projects include the Chollas Creek Water Quality Protection and Habitat Enhancement Project for the City of San Diego funded in part through State Water Resources Board grants and Riverside County Flood Control and Water Conservation District on-call services including WQMP and BMP reviews.

Sandra Pentney, RPA, is a senior project manager and archaeologist with 17 years of experience managing and conducting cultural resource investigations. She is a seasoned principal investigator, having performed numerous cultural resource inventories; archaeological surveys, evaluations, and mitigation; consultation with involved agencies, interested parties, and Native American groups; and evaluation of compliance with California state and federal laws. Her projects include archaeological testing, monitoring, and surveys; record searches; artifact analysis; AB 52 and SB 18 consultation, and report writing. As a skilled technical report writer, Ms. Pentney prepares cultural resource sections for environmental impact assessments, reports, and statements as required under CEQA, NEPA, Sections 106 and 110 of the National Historic Preservation Act, and state legislation.

Earl Schwartz, PE, QSD, has 23 years of experience in design and construction management involving master plan residential developments, commercial developments, institutional, and CIP projects for streets and utilities. Mr. Schwartz is a licensed civil engineer and a qualified SWPPP developer (QSD).

Prior to joining Atkins, Mr. Schwartz was responsible for construction management of various projects including Edward C. Little Water Recycling Facility Upgrades for West Basin Municipal Water District and Foxen Canyon Well Installation and various site improvements for Golden State Water Company's Coastal District. He also offers municipal engineering and construction experience gained from serving as a city engineer for the City of Lawndale, contract staff augmentation for the City of Moorpark and Rancho Palos Verdes, and civil engineering assistant for the City of Los Angeles Department of Public Works, Bureau of Engineering. Mr. Schwartz is a versatile engineer and construction manager who offers experience in public works and private sectors.

4.2 Staff availability and planning

Availability of the project manager and key personnel.

Atkins will contractually dedicate the project manager and key personnel to the as-needed contract for which we are contracted. Mr. Acevedo resides and offices in Orange County with the sole purpose of serving clients such as GWMA. Atkins' key personnel will also be contractually dedicated to the contract.

Atkins understands that the individuals shown as assigned to the projects must remain working on the project throughout its duration unless otherwise requested or approved by the Authority. Atkins will not substitute key personnel unless prior written approval is obtained from GWMA.

Commitment from senior management regarding availability.

Mr. Van Antwerp is Division Manager of Atkins West Division which includes Orange County. He offices in San Diego but is in Orange County overseeing projects on a weekly basis. Our current and projected workloads, as well as our depth of staff, allow us to provide the capacity to support all aspects of the work anticipated under this On-Call procurement. Mr. Van Antwerp, a Division Manager of Atkins West Division which includes Orange County, and our principal-in-charge, hereby certifies and endorses the commitment of our team members to be available for projects under this contract.

Staffing availability and approach. Depending on the requirements of each specific request for proposal, Atkins will identify key personnel and contractually dedicate staff as necessary to fit the work sequence of the RFP, to accomplish GWMA's schedule needs. Each of the RFP that Atkins is proposing on may have slight differences in staffing approaches.

5. Project approach

At Atkins we continuously strive to support our clients' needs with highly qualified staff offering the same level of technical excellence, quality service, and timely response our clients have come to expect.

This section will present the requested information in the RFQ document to describe the following:

- Management procedures to direct work, meet budgets and schedule, and communicate with GWMA
- Approach to manage subconsultants
- How to meet GWMA's need for "on-call services"
- Firm's quality control procedures

5.1 Overall management philosophy

Atkins management and quality control program is illustrated as follows:

- Focus
- Attention to detail
- Proven concepts
- Budget and schedule monitoring
- Effective communication

Our overall project management strategy for each project is based upon a simple, but important, premise: The project must be organized, directed, and controlled to permit timely completion with the least possible expenditure of the client's limited resources. The tasks must be organized to allow progressive and successive components to build upon each other without unnecessary work or redundant efforts by either Atkins staff or our professional subconsultants. This strategy will provide the opportunity to complete the work "on-budget and within schedule".

For GWMA, we will accomplish this through the methods and procedures described below.

5.1.1 Project management

Atkins understands that many planning, permitting, technical, operational, constructability, and economic issues will need to be addressed by both the Atkins project team and GWMA staff. We recognize that all of these potential issues must be organized, coordinated, and resolved in a timely manner without impacting the schedule or affecting the project budget. To address this challenge, we will establish a working relationship with GWMA to identify and resolve issues early. We will use a combination of our standard project coordination procedures, together with additional procedures drafted specifically for this project. We will create a working environment that fosters teamwork and consensus building. One of the Atkins keys to project delivery success is nurturing a work environment that encourages diversity of thinking through the use of innovative tools, open work spaces, management that is an integral part of the team, and world class training to stay on the cutting edge of our profession. We will encourage open communication within our team by holding regular meetings in our office to address any technical issues and to maintain focus on the deliverables to GWMA, and will encourage GWMA project manager and other team members to meet with our project team frequently. Most importantly, we will congregate key project team members at critical project

junctures, inclusive of subconsultants, to improve the flow of information and to give GWMA the opportunity to routinely and effectively communicate with the project team.

5.1.2 Continuous communication

In practice, effective project management is the result of constant and careful attention to the frequent demand for communication among our clients, project participants, and affected agencies. We believe that, in the end, the most effective manager assigned to GWMA projects is the one who ensures that information, data, instructions, and guidance continue to flow on a regular basis. Often, it is the extra effort given to communication that can make the difference between success or failure of a project activity, task, or entire project. This approach also serves to eliminate unwelcome surprises that can disrupt the flow of work. Our project manager will maintain continuous communications by:

- Serving as the single point of contact to GWMA
- Regularly calling our client project manager/engineer to discuss project milestones, activities, and potential issues.
- Conducting regular internal project management meetings involving the key technical disciplines to coordinate work efforts, check on task completion, and review budget conformance.
- Routinely updating the project description, schedule, work progress reports, and inventories of available data so that all team members are aware of information that may affect their work products and schedules.
- Coordinating with the District at strategic junctures to collaborate with all stakeholders.
- Establishing project-specific websites (PSWS) to share project information with project stakeholders.

5.1.3 Meeting GWMA needs for services on an on-call basis in a timely manner

In order to integrate technical disciplines and balance the activities of technical staff, project managers need to facilitate effective communications. The ability to handle multiple projects concurrently is a prerequisite skill that must be exhibited by all project managers and senior staff before they can obtain such positions with Atkins. The solution to managing multiple projects originates with up-front planning and scheduling. Priorities and task assignments are set by the project manager with input from the client's project manager and/or project engineer. Resources are provided, as required. One of the keys to

success in this regard is to assign production staff on a full-time basis for each task/subtask assignment. For any project, our approach is fairly simple. We will:

- Match the best-suited staff to the specific tasks and utilize as few personnel as possible. This approach minimizes the opportunity for miscommunication as well as redundant and inefficient work.
- Have key discipline personnel remain assigned to the project throughout the duration. State-of-the-art project and program management tools will be provided as part of PSWS that is set up to facilitate communication, data sharing, and schedule management. For example, in the “on-call” services for the City of Los Angeles, TO 43-Highbury Pumping Plant Rehabilitation project, the team used ProjectWise software to share technical documents, drawings, specifications, etc. and to prepare the milestone documents for internal QA/QC review prior to submittal to the City. All work transmitted between or among project participants will transmit through, and remain posted to, the PSWS.

5.1.4 Procedures for prioritizing tasks or subtasks

Several of the control mechanisms mentioned earlier will allow for task prioritization to avoid untimely or unnecessary efforts. Additional control mechanisms include:

- By implementing the PMP at the beginning of the project, the project management and technical team will have the capability to establish priorities and an order of precedence for accomplishing the work.
- Once overall goals and objectives are set, together with the order of precedence, the project management team will delegate task prioritization to the discipline staff who are free to work and make independent decisions as long as the work remains within the boundaries set by the project management team.
- The QA/QC team will provide guidance before the work is performed, and will offer senior-level input into setting priorities for accomplishing the work.
- The PMP will outline complete instructions with respect to work efforts and anticipated accomplishments and priorities for every member of the project team.
- The project management team will conduct daily discussions with the discipline staff to assess the status of the project and to create new or revised instructions over the PSWS.

5.2 Schedule and budget control

Atkins provides cost-effective services by closely managing each individual work authorization. As our business has grown, we have developed a strong and consistent approach to managing our staff and subconsulting team members to ensure that our clients receive the most technically accurate, cost-effective, and schedule-sensitive services. Our management approach includes initiation of regular and formal lines of communication, efficient use of meetings, strong and reliable project reporting and management systems, and experienced project management.

Our strength in effectively managing projects translates to a cost savings for our clients. The ability to meet project schedules and budgets is a clear indicator of efficient project management. Atkins has a long history of success on a wide variety of projects, and we use a number of methods to assist our managers and technical staff in working within defined budgets.

Atkins maintains a work breakdown structures (WBS) with task-order cost accounting system for the recording and accumulation of costs incurred under its contracts. Each project is assigned a job number so that costs may be segregated and accumulated in Atkins’ WBS task-order cost accounting system. Our computerized accounting system provides information directly to the desk of each staff member so that budgets can be tracked throughout the life of a project.

Our accounting system tracks project expenditures by phase, task and subtasks, and segregates labor charges by staff member and expenses, and subconsultant charges by the nature of the expenditure. Project managers are encouraged to track budget compliance on a biweekly basis and are required to provide a monthly financial status report on all projects to senior management.

We manage our costs using several tools—Microsoft Project, Excel Monthly Task Order Summary Spreadsheet—utilizing earned value tracking (EVT) and cost and labor tracking.

Cost control is central to successfully managing every task. Atkins has developed an easy-to-understand Excel project status workbook for status reporting. As one of the consultants working on the existing on-call services for the BOE, a consultant for the on-call services for the City of Pico Rivera, and program manager for the California Department of Water Resources (DWR) Central Valley Flood Evaluation and Delineation Program (CVFED), we

are successfully using this dashboard to deliver projects on time and under budget. Each task shows EVT to the subtask level and provides a practical, inexpensive, and understandable view into the health of the task.

Our Excel Monthly Task Order Summary with EVT measures progress against planned budgets to compute variance in cost and schedule. This enables our project manager to monitor the balance between invoicing and schedule. Regular weekly or monthly reporting to the District, is a crucial practice for keeping the task order within schedule and budget for all tasks. Using the EVT tool, we will monitor the cost and schedule indices.

Atkins' proven approach to EVT will save time and money through the dashboard, which serves as an effective way to quickly assess the status of each task order and identify areas needing further review and discussion. Atkins' Excel EVT "workbook" contains linked tabs showing an overall snapshot summary of task activities and financial status each month, planned expenditures over the life of the task order or "planned value," and graphs illustrating the actual, planned, and earned value curves/trends for each subtask. The workbook also contains cost performance and schedule performance indicators for quick assessment of progress.

Atkins tracks labor hours and total cost expended on any given task order through our corporate online financial system, Oracle E-Business Suite, which is Sarbanes-Oxley compliant. Labor hours, time sheet comments, and total budget expenditure numbers are available to the project manager on a weekly basis. At any given time, the overall comprehensive project financial status is immediately available in a dashboard or tabular format. Atkins requires a weekly summary of hours expended and summary of activities for our subconsultant partners on a weekly basis.

We have a well-earned reputation for completing quality work on accelerated schedules through the process of work-sharing. Our experienced staff, well-defined procedures, and strong appreciation of our clients' needs and expectations have contributed to successful completion of the most challenging and daunting of schedules.

5.3 Subconsultant administration

All subconsultants will report directly to our project manager. The fact that we have worked closely with our listed subconsultants and have strong working relationships with many others means that we are familiar with each other's working styles and expectations. In addition, we have contract and procurement staff to handle contractual

administration of our subconsultants in accordance with the requirements of each contract. For projects that are particularly time sensitive, we have found it beneficial to hold team meetings in our office to assess progress from our subconsultants, resolve any issues, and maintain scope and schedule for project submittal to our clients.

5.4 Quality control/quality assurance

Within Atkins, it is a corporate policy to provide the highest level of quality to each of our clients. We have implemented a formal, written quality control/quality assurance (QA/QC) plan that is mandatory on each project. Should our clients have their own QA/QC program, our plan is used simultaneously with the client's plan, or modified to meet specific project requirements.

Our quality protocols are established in the PMP. Before any work product is submitted to the District, the task order manager submits the work product for internal review by a qualified professional. The internal QC review comments are sent back to the task order manager for discussion and/or correction before submission to our project manager and then back to the District.

Atkins requires an approved QC procedures plan from all subconsultants. For those tasks performed by subconsultants, our subconsultant contract will require that work products must follow the protocols established in the PMP. All subconsultant work products, after internal QC review, will be submitted to our project manager for a completeness check before being submitted to the District.

5.4.1 QA/QC procedures

Atkins achieves our quality vision and objectives by maintaining and continually improving a quality management system (QMS) that is compliant with ISO 9001 and meets the needs of our North America clients. Atkins' QMS builds quality into everything that we do and consists of four fundamental elements—**Plan, Do, Check, and Act**.

Quality assurance (Plan): Proactively planning for quality and auditing our processes to make sure that they are effectively meeting our objectives

Quality control (Do): Processes for checking our products to determine if they are performing as expected and meeting objectives and requirements

Performance measurement (Check): Measuring and monitoring the level to which our quality management system is meeting the objectives

Continuous improvement (Act): Ensuring our processes and products are continually being improved to better and more effectively meet our quality objectives based on our performance measures and client feedback

Atkins addresses quality assurance through various project plans, project quality managers, audits, and project processes. Every project is required to have a project quality manager who produces the project quality assurance plan (QAP), trains project staff on the QAP, and audits the project to verify QAP implementation. Atkins’ national quality director is responsible for an overall corporate audit program that includes regular business audits. Atkins’ standard project procedures provide consistency, reliability, and predictability of work product quality and are integrated into the Atkins business management system. Atkins requires all work products to complete a QC review by a second set of independent eyes prior to submittal to the client, internal or external. QC reviews must be documented and verified by the project quality manager to confirm quality procedures have been followed prior to submittal to the client. The project QAP will identify any additional supplemental QC reviews required by the project based on risks. Any identified non-conforming product is controlled and cannot complete the QC review process successfully until the non-conformance is resolved and closed by the project quality manager.

Our quality control (Do) process follows a five-step procedure that will be used on all project elements. In addition to review of the reporting deliverable (task), each major step leading up to the final product is also reviewed (subtask) prior to any information being carried forward to the next step.

The five steps in this process are:

- Preparer completes task or subtask (Ready for review)
- Senior-level SME provides QC review (Review)
- Preparer and reviewer resolve comments (Resolve Comments)
- Preparer makes corrections (Changes made)
- Reviewer verifies corrections (QA certified)

Managing quality begins with understanding the specific quality expectations of the District and putting a proactive plan in place to meet these expectations. For planning and design, our QA efforts are the responsibility of **Robert ‘Jud’ Warren, PE, BCEE**. Mr. Warren has 36 years of planning, engineering, and construction of water and wastewater facilities including new facilities and expansion



of existing treatment plants for surface water conventional, membrane, reverse osmosis, desalination, and groundwater treatment. He has also been in charge of planning and design of water conveyance projects involving condition assessments, large-diameter pipelines, and pipeline relining projects. Mr. Warren’s water and wastewater systems experience includes headworks, liquid stream, activated sludge, solids processing and handling, odor control, and effluent reclamation and reuse, as well as design for sewer pipelines, pump stations, and septic conversion.

During construction, **Earl Schwartz, PE, QSD**, will provide quality reviews directly to our task manager. He will coordinate the activities of the inspectors to facilitate uniformity throughout the project. The inspectors will periodically (at least every 2 weeks) evaluate conformance of the various activities with the written plan. At the completion of their evaluation, inspectors will prepare a written report detailing the results of their review.

5.5 Process for on-call services delivery

5.5.1 Request for proposal

We understand that GWMA will pre-select consultants to participate in the “General On-Call professional General, Technical and/or Engineering Services”. Once the pre-selection process is completed, the District will issue RFPs to procure specific projects.

5.5.2 Prepare specific project proposal

Once Atkins is invited to present a proposal for a particular project, our approach to the work is rather straightforward—Atkins will prepare a draft proposal with a definitive deliverable, responsive to GWMA request for engineering services, regardless of the size of scope. We will meet with the appropriate staff to review the requirements

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of the work, clarify specific details, and establish a task work schedule. This process can be iterative and may require field reconnaissance.

Once the scope and schedule are established, Atkins will prepare a cost estimate based on the professionals selected from our resource matrix. Upon GWMA review of the resource-loaded cost estimate, Atkins will meet with GWMA project manager to review and finalize the scope, schedule, and budget for each task.

Upon receipt of a specific project Notice to Proceed (NTP), the project manager will assign specific activities or subtasks to appropriate Atkins technical staff and/or subconsultants.

As a part of the various assignments, each task will be divided into subtasks and schedules that will clearly define level of effort, deliverables, and expectant dates of completion. Budgets will be assigned to tasks and subtasks to allow us to monitor earned value of specific assignments. Subconsultants will be required to report at each meeting or billing cycle to the project manager on the financial status of their budgets and work produced at the time (EV reporting).

An internal team kickoff meeting will be conducted to review these documents. The District project manager and/or project engineer will be invited to attend.

During the life of the project, the project manager will have daily contact with active team members to confirm that work is proceeding as planned. Routinely, the project management team will review the total progress of the technical work and compare it against the planned schedule and allocated budgets.

On a monthly basis, the project management team will informally review the project status with the District project manager, either in our office or at District offices.

Written status reports will be submitted to the District on a monthly basis with invoicing and will include:

- Summary of completed activities and ongoing work
- Analysis of earned value versus project budget and schedule
- Identification of areas or process innovation that will potentially reflect on cost savings and schedule reduction
- Problem areas or issues requiring attention
- Actions being taken, or proposed, to address problem areas

- Regularly (at least once a month), the QA manager will review all project-related QC reports and procedures and verify, by written report, that the project is in conformity with the approved QA/QC plan.

Should there be deficiencies noted during the reviews, the QC staff will coordinate a recommended remediation plan with the project staff. The proposed plan will be presented to the District for review and concurrence. By providing a project-wide QA/QC process, Atkins will reduce the number of recurring errors and provide the District with the assurance that the project will follow the guidelines in accordance with all required policies and procedures, and all activities related to quality will be documented.

5.5.3 Measurement of results

Project success is measured against the critical success factors established during the planning phase. Measurement and feedback will be continuous throughout the project. Our effective, yet simple, approach consists of conducting a review by Atkins senior management and our proposed principal-in-charge, **Michael Van Antwerp, AICP**, along with the District project manager, directors, and other key team members as deemed appropriate, to assess how well the critical success factors are being achieved at each milestone.

Any gaps between expectations and actual conditions will be identified and addressed by an action plan mutually developed by the District and the Atkins management team.

5.5.4 Feedback

Atkins' process for providing feedback is multi-tiered. Our QA/QC reviewer, Robert 'Jud' Warren, and principal-in-charge, Michael van Antwerp, will provide feedback to our project manager, Mr. Acevedo, who will, in turn, update the lead technical professionals and subconsultants. Task managers will provide feedback to staff, and lessons learned are used to improve the process and are incorporated into PMPs for subsequent assignments.

6. Billing rates

Team rate sheets are attached at the end of this document.

7. Subconsultants

Atkins takes the selection of our subconsultants very seriously. We only work with subconsultants who share our goal of providing the highest level of professional service in a responsive manner to our clients. We have an established working relationship with our proposed

subconsultants and they have provided quality work to several California clients in the past. Summaries of some of our subconsultants' experience and qualifications are provided in this section.

DDB Engineering, Inc.

Grant writing/grant implementation management

DBB Engineering, Inc. was established in 1983 and is a general land survey firm providing services to both public and private sector clientele. They have conducted numerous design and construction surveys for pipelines, reservoirs, street improvements of major thoroughfares, park and recreation building improvements and bridges. Extensive experience in boundary analysis, subdivision preparation and legal descriptions. Since 1992 have been actively involved in various types of surveys for water and wastewater improvement projects.

ProjectLine Technical Services (ProjectLine)

Instrumentation and controls/electrical engineering

ProjectLine Technical Services (ProjectLine) is a California corporation specializing in professional and technical engineering services for infrastructure projects. Their clients include national engineering companies and major infrastructure management agencies. They offer expertise to water, wastewater, energy, transportation, industrial engineering, and information technology markets. ProjectLine clients include Orange County Sanitation District, Los Angeles Department of Water and Power, Metropolitan Water District of Southern California, Caltrans, and the City of Los Angeles, for whom they provide engineering services as both prime and subconsultant. ProjectLine is a Caltrans-certified Disadvantaged Women-Owned Business Enterprise and MWD and state-certified Small Business Enterprise (DBE/WBE/SBE).

ProjectLine is working with the Atkins team on existing on-call services contracts. They are working on the construction documents for the rehabilitation of the Highbury Pumping Plant No. 604 in Los Angeles. ProjectLine is working on the electrical design modifications for the installation of the new pumping equipment, variable frequency drives (VFDs), pump control and instrumentation, installation of ventilation fans, larger HVAC unit, and other upgrades to bring the pumping plant in full compliance with the City requirements.

ProjectLine offers experienced staff in civil, structural, mechanical, electrical, instrumentation and process engineering design, CAD support, and information technology. Experience summaries for selected staff follow.

Mr. Robert Getter, PE, is a mechanical engineer with 25 years of experience managing engineering projects totaling over \$500 million in construction value. He recently assisted Metropolitan Water District of Southern California (MWD) with designs for a variety of improvements, including seven different projects at five MWD water treatment plants. Mr. Getter managed design of wastewater treatment facilities for Boston's 480 mgd pure oxygen activated sludge wastewater treatment plant (Boston Harbor Project). He has also led several recent water and wastewater treatment and pumping station upgrade designs. Mr. Getter's experience includes project management, planning, design, construction and start-up. He is experienced in innovative project delivery methods, including design-build and fast-track schedules.

Alan Carrie, PE, is an electrical and instrumentation engineer with 25 years of experience designing electrical and control systems, much of which has been for industrial and public infrastructure projects. His experience includes several designs for Orange County Sanitation District, several designs for LA's Hyperion and Tillman Wastewater Treatment Plants, and designs for Metropolitan Water District and several other cities and water agencies throughout Southern California. Mr. Carrie's expertise includes electrical systems planning and design, advanced automation systems, communications networks, SCADA systems, and site survey/documentation projects

Echologics Company

IRWM programs

Echologics Company, a California Corporation, is a minority-owned, multidisciplinary consulting firm that provides high-quality geotechnical and environmental consulting services. Since 1986, clients have turned to Ninyo & Moore for innovative solutions to complex geotechnical and environmental challenges. As a leading geotechnical and environmental sciences engineering and consulting firm, Ninyo & Moore provides specialized services to clients in both the public and private sectors. With offices in California, Nevada, Arizona, Colorado, and Texas, the firm is fully committed to being responsive, cost-efficient, and thorough in meeting its clients' project needs and objectives.

Project Name	Contact name & phone	Contract dates	Summary of Services	Contract value	Similarity to this Scope of Work
Storm management water resources					
Telegraph Canyon Nexus Study	Luis Pelayo 619.476.5387	2015	Atkins prepared a precipitation technical analysis that supports use of NOAA Atlas 14 methodology. Hydrology and hydraulic analysis was prepared to identify deficiencies with respect to conveyance, flooding, erosion, sedimentation, and public health and safety. An NRCS hydrologic model was used to determine peak flows and pre- and post-project runoff was calculated to determine runoff reduction benefits associated with the project. Atkins coordinated with regulatory agencies including the US Army Corps of Engineers, Federal Emergency Management Agency, Regional Water Quality Control Board, and US Fish and Wildlife.	\$175,000	<ul style="list-style-type: none"> • Hydrology and hydraulic modeling • Erosion and sedimentation analyses • Public health and safety • Agency coordination
San Diego International Airport Strategic Stormwater Master Plan	Michael Slawson 619.400.2601	2016-2017	Atkins was the prime consultant for development of the Phase II Strategic Stormwater Master Plan intended to support the Water Stewardship Plan at the San Diego International Airport. The effort is intended to be a comprehensive airport-wide strategic master drainage plan that includes evaluations of stormwater quantity, quality, reuse, and recommended infrastructure.	\$435,000	<ul style="list-style-type: none"> • Strategic stormwater planning • Hydrology and hydraulic modeling • Agency coordination
Water, Sewer & Recycled Water Engineering Design					
On-Call Services, City of Los Angeles BOE, Highbury Pumping Plant	Douglas Irvine 213.485.1665	2015-Ongoing	Rehabilitation of the underground structure, replacement of pumps and mechanical equipment, and extensive modifications to the electrical and controls for operation of the pumping plant.	\$416,280	<ul style="list-style-type: none"> • Rehabilitation of mechanical, electrical and instrumentation • Structural improvements to the facility • Rehabilitation of manholes, sewer pipeline, forcemain, temporary by-pass plan
Dover Drive Trunk Sewer Relief, Orange County Sanitation District	Hardat Khublall 714.593.7377	2008-2013	Providing design services. Performed inspection and evaluations of the existing 52-year-old pipeline. Atkins incorporated all the information identified in the base map and field into plan and profile sheets within an aerial strip at the bottom to recreate as-built drawings. The existing manhole details include inlet, outlet, and lateral invert elevations. There are few existing locations where drop manholes are used, and these are also being identified. Concurrently with plotting and developing as-builts for the existing sewer line, Atkins plotted all other existing utilities within the project limits.	\$1,023,174	<ul style="list-style-type: none"> • Replacement of 7,200 LF of sewer pipe 15 to 18 inches in diameter • Replacement of 50 manholes • HDPE sliplining of a portion of sewer that had to remain in place\ • Design of a temporary sewer by-pass plan.
On-Call Engineering, City of Pico Rivera	Gabriel Gomez 562.801.4221	2014-2017	Under this contract Atkins has delivered many projects including: <ul style="list-style-type: none"> • Street sweeper solids transfer station • Design of plant No. 1 electrical panel replacement • Construction support services for plant No. 1 electrical panel replacement • Urban water master plan update • Water network hydraulic modeling • Design of plant No. 2 electrical panel replacement • Storm drain rehabilitation 	\$268,000	<ul style="list-style-type: none"> • Design of mechanical and electrical improvements to water plant No. 1 and 2 • Design of a portable emergency generator • Hydraulic modeling for fire flow analysis • Stormdrain rehabilitation by the sliplining methodology • Construction support services
Final Effluent Sampler & Building Area Upgrades (J-110), Huntington Beach, Orange County Sanitation District	Kathleen Millea 714.593.7365	2012-2015	The design aspect included architecture, condition assessment, physical inspection, and engineering services, condition assessment phase of the short ocean outfall using divers at the marine section entrance to prevent tides from entering the pipeline, implementing safety procedures (confined space entries) for inspection, and identifying pipe and structural defects of the short ocean outfall. Atkins prepared rehabilitation techniques and final construction documents for the new FESB, Short Ocean Outfall and Surge Tower No. 1 rehabilitation, and improvements to address drainage deficiencies.	\$2,124,091	<ul style="list-style-type: none"> • Design services for the final effluent sampler building and for rehabilitation of the different gravity by-pass pipelines using the sliplining methodology • Rehabilitation of several concrete structures • Replacement of the stairs in surge tower No. 1 • Pipeline condition assessment • Construction services
Farmersville Wastewater Treatment Plant Design, City of Farmersville	Tom Mcurdy 559.733.0440	2013-2016	Atkins, as a member of the Quad Knopf design team, assisted with planning and design of a new wastewater treatment plant. The project involved long-term planning, needs assessment, preliminary and final engineering, and cost estimating.	\$828,128	<ul style="list-style-type: none"> • Design of treatment processes for the entire treatment plant, including the civil structural, mechanical and electrical systems • Design the entire plant site piping and the disposal system for the effluent • Provide construction support services • Permitting support

Project Name	Contact name & phone	Contract dates	Summary of Services	Contract value	Similarity to this Scope of Work
Sloan Channel Effluent Drain Connection and Discharge Pipe Design Services, Clark County Dept. of Public Works, NV	Roy Davis 702.455.6075	2013-2015	Atkins designed a pipeline to convey effluent water from City of North Las Vegas' wastewater reclamation facility (WRF) along the Range Wash - Sloan Channel - Las Vegas Wash flood control corridor. We provided alternative analysis, alignment selection, and final design. Provided engineering construction support services. The project involves construction of approximately 5 miles of 54-inch reinforced concrete pipe and 4- by 4-foot reinforce concrete box from the WRF to the Las Vegas Wash along the Range Wash and Sloan Channel corridor.	\$1,192,553	<ul style="list-style-type: none"> • Prepared a material selection tech memorandum to provide the recommendations for the best material to suit the project • Prepared the P&P for the entire alignment (5 miles) • The construction of this pipeline required dewatering, numerous utility relocations, roadway and channel crossings, and jack and bore construction for various segments. • Jack and boring construction • Microtunneling construction • CM support services
Otay Water District As-Needed Engineering Design Services	Daniel Kay 619.670.2202	2012-2016	<p>As part of the as-needed design contract with the Otay Water District, Atkins has performed several task orders. A few of the diverse projects completed within the contract include:</p> <ul style="list-style-type: none"> • Investigated the brine corrosivity and scaling issues for the Rancho Del Rey Well • Designed the 624-1 Floating Cover Reservoir Replacement • Performed structural loading calculations for construction equipment loading on 944PS and 680-1 buried reservoir • Performed structural loading calculations for retaining wall over existing pipe under proposed I-805 realignment • Designed utility relocations for 10-inch and 18-inch water mains 	\$175,000	<ul style="list-style-type: none"> • Corrosion engineering • Reservoir design • Structural assessments
Johnson Avenue Trunk Sewer, City of El Cajon	David Keltner 619.441.1716	2011-2016	<p>Atkins provided the City of El Cajon with recommendations for design of 5,000 feet of 24-inch to 36-inch trunk sewer. Hydraulic modeling indicated additional reaches of sewer needed to be included in an overall consolidation plan. In this section of the city, the trunk sewer alignments traverse the predominately industrial/commercial area as well as some residential areas. The project involved coordination with the business association, El Cajon Valley Unified School District, Caltrans Encroachment Permit, Regional Water Quality Control Board including a stormwater pollution prevention plan and dewatering permit, and USACE 404 Permit.</p> <p>In addition, Atkins prepared the project's initial study/mitigated negative declaration (IS/MND) by assisting the City with the full CEQA process. The IS/MND identified several environmental issues for the project including impacts to nesting birds from construction activities, the potential to uncover unknown archaeological and paleontological resources, hazardous materials associated with known release sites and contaminated soil and groundwater, and noise impacts to Johnson Elementary School and nearby residences.</p>	\$896,709	<ul style="list-style-type: none"> • Design of P&P for 8,400 LF of 30- to 42-inch trunk sewer • Prepared the environmental documentation and permitting • Performed hydraulic modeling • Construction had many challenges including: crossing a 10-inch high pressure gas main (400 psi), handle contaminated soils, high groundwater, deep sewer design, jack and bore, and microtunneling construction
City of San Diego As-Needed Civil Engineering & Design	Michael Handel, 619.533.7588 Jamal Batta, 619.533.7482	2012-2017	<p>Atkins has served as design engineer, planner, program manager, and construction support staff for various projects throughout the City of San Diego. Following is a sample of the projects that Atkins has successfully completed under this as-needed contract.</p> <p>Crystal Pier Investigation Report. Provided civil and structural engineering inspection services for the development of a pier assessment report, repair plan and preparation of an RFP for a design-build team to implement the work. the investigation involved all elements of the pier including members below and above the waterline. The project also included a review of likely environmental constraints and required permitting the project would need to obtain. A key factor in this project was the accelerated time table of three months.</p> <p>Via Esprillo Storm Drain System. Provide engineering services to design the replacement of 85 feet of 36-inch CMP with 42-inch reinforced concrete pipe (RCP), 120 feet of 48-inch CMP with 48-inch RCP, two separate concrete energy dissipation structures, and slope reconstruction to include landscape and temporary irrigation system.</p>	\$2 million	<ul style="list-style-type: none"> • Completed several pipeline alignment projects • Prepared P&P construction documents • Inspection services • Structural assessment • Stormdrain design • Environmental constraints • Landscape services

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Project Name	Contact name & phone	Contract dates	Summary of Services	Contract value	Similarity to this Scope of Work
Coronado Wastewater Master Plan Update, Sewer System Management Plan, and As-Needed Services, City of Coronado	Jim Newton 619.522.7300	2005-2017	<p>Since 2005, Atkins has provided the City of Coronado with a variety of citywide services such as as-needed stormwater program support; as-needed wastewater/waste discharge requirements, financial, and engineering support; sewer system master plan development and updates; wastewater rate study development; map book development; dry weather monitoring; and development review. Through this work Atkins' team members have gained a solid understanding of the City's standards and procedures. Following are just a few examples of the projects:</p> <p>Wastewater Master Plan Update - Atkins prepared a sanitary sewer master plan update, comprehensive CIP, and sewer rate study. Project included development of a hydraulic model, video inspections, and development of a sound financial and revenue plan.</p> <p>Sewer System Management Plan and Update - Atkins evaluated the City's compliance with the State's Waste Discharge Requirements for managing and operating its sanitary sewer collection system and prepared the SSMP.</p> <p>Stormwater Program Support Services - Provided technical support for the City's stormwater program, including support to comply with NPDES Order 2001-01. Provided JURMP annual report prep and peer review.</p> <p>Strand Way/Avenida de las Arenas Intersection - Assessed feasibility of creating new path of travel crossing Strand Way and the Bayshore Bikeway compliant with current ADA standards and providing an accessible path of travel between two corners.</p>	\$700,000	<ul style="list-style-type: none"> Hydraulic modeling Sewer pipeline assessment Video inspection of sewers and stormdrain pipes Design of sewer rehabilitation projects Civil design of a main street intersection
City of Lake Havasu Water Engineering Services	Greg Froslie 928.855.2116		<p>Atkins has provided a variety of study, design, and construction phase services. During the course of this on-call contract for water engineering services, Atkins has designed a number of water facility projects for the City including an update to the City's hydraulic model. Each of these projects included pre-design, detailed design, and construction phase services. Select projects completed to date have included:</p>		<ul style="list-style-type: none"> Hydraulic modeling Final design Preparation of construction documents Pump station design Design of water main improvements Reservoir rehabilitation Environmental permitting Utility investigations Geotechnical studies Potholding investigations Construction monitoring
		2010-2012	<p>Booster Pump Station No. 1. Atkins provided design, bidding, and construction services for upgrade of one of the City's most vital water pumping stations. The project upsized the three existing, 10-year-old, 1,400-gpm vertical turbine pumps to four 1,400-gpm pumps. A shade structure, electrical enclosure, site retaining walls, gabion wall, and revised yard piping were included as some of the site design improvements.</p>	\$49,752	
		2013-2016	<p>Tank 6A, Water Booster Stations 5A and 1B, and Water Main Improvements. Atkins provided design services for Site 6A reservoir (0.5 MG) and Booster Pump Stations 5A and 1B (9,000 gpm), backup emergency generator, new motor control center cabinet, revise yard piping, tank rehabilitation support, and small-diameter pipeline replacement projects as well as coordination with Arizona State Lands for land grants. Projects include site alternative investigation; utility coordination; field investigations; coordination/incorporation of geotechnical, corrosion, and potholing information; detailed design; specifications; cost estimates.</p>	\$381,531	
		2011-2013	<p>Zones 4 and 5A Water System Improvements. Atkins designed water system improvements at four locations including Zone 4 and 5A reservoir tanks. The project included adding a 0.75-mg tank to the Site 5A reservoir and a 1-mg tank to Site 4. Atkins prepared an environmental information document for the new water pump stations 1, 4, and 5A, which included obtaining state land permits, and designed a new pipeline crossing of El Dorado wash which involved design of a 550-foot-long, 8-inch line through the wash to improve the flow south and decrease headlosses within the system, and new water transmission main in McCulloch Boulevard which included design for a new 20-inch Zone 4 transmission main and conversion of the 12-inch distribution pipeline to Zone 5.</p>	\$468,600	

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Project Name	Contact name & phone	Contract dates	Summary of Services	Contract value	Similarity to this Scope of Work
Environmental Compliance & Permitting					
City of San Diego As-Needed Environmental Services	Staci Domasco 858.292.6409	2012-2017	Atkins currently provides as-needed environmental services to the City of San Diego PUD. Under this task-order contract, Atkins has been involved with 29 separate projects, many of which have been performed on short notice or under emergency conditions. Services included environmental regulatory expertise to satisfy state and federal compliance with CEQA and NEPA as well as city environmental compliance. Services to date included cultural resource pre-construction site inspections, construction monitoring, and reporting; biological resource surveys and reporting; wetlands mitigation restoration planning and implementation; civil engineering; and on-call emergency environmental monitoring services.	\$2 Million	<ul style="list-style-type: none"> • CEQA document preparation • Biological monitoring services • NEPA document preparation • City's environmental permitting • Cultural resources investigations • Construction monitoring
Otay Water District Water Facilities Master Plan Update & PEIR	Lisa Coburn-Boyd 619.670.2219	2015-2016	The 2015 WFMP Program EIR analyzed the proposed Phase II (2017-2022) and Phase III (2023-2050) activities associated with implementation of the 2015 WFMP update. In preparing the 2015 Program EIR, Atkins worked in coordination with District staff and followed the format of the 2010 PEIR. The PEIR format was designed to be user-friendly so District staff could easily determine the level of additional environmental review needed for each CIP project identified in the 2015 WFMP.	\$434,731	<ul style="list-style-type: none"> • Programmatic EIR preparation • Environmental compliance analysis
Solana 101 EIR, Solana Beach	Bill Chopyk 858.720.2449	2016-2017	Atkins is preparing an EIR for the Solana 101 mixed-use development project to be located on a 1.91-acre plot located west of Highway 101 and the North County Transit District railroad right-of-way, north of Dahlia Drive, east of South Sierra Avenue, and south of Lomas Santa Fe Drive. The proposed development would construct commercial office space, retail, and restaurant space; 31 multi-family residential units; and two floors of underground parking, for a total of 341 spaces. Primary issues being analyzed in the EIR include aesthetics, cultural resources, land use/planning, noise, and traffic/transportation. Atkins is also preparing supporting air quality/greenhouse gas emissions, and noise technical reports, and has supported the City with a scoping meeting that was held during the 45-day notice of preparation comment period.	\$156,311	<ul style="list-style-type: none"> • EIR preparation • Aesthetic assessment • CEQA document preparation • Cultural resources • Noise analysis • Traffic analysis
South Glendale Community Plan EIR, City of Glendale	Justin Robertson 818.937.8308	2014-Ongoing	Since late 2014, Atkins has been assisting the City of Glendale by preparing an EIR for the South Glendale Community. The South Glendale plan includes all of the neighborhoods in the city south of State Route 134, including downtown Glendale, Adams Hill, and Tropic. The community plan area comprises 2,173 acres and includes one of the main retail hubs in the Los Angeles Metropolitan Area, which features the Glendale Galleria, a major regional mall, and The Americana at Brand—a flagship mixed use lifestyle center. The proposed project includes four major components: (1) adoption of the South Glendale Community Plan; (2) an amendment to the City's General Plan to reflect the community plan; (3) modification of the boundaries of the Downtown Specific Plan; and (4) an amendment to the Municipal Code (Zoning Ordinance and Zoning Map) to apply zoning consistent with the community plan.	\$286,420	<ul style="list-style-type: none"> • EIR preparation • Air quality analysis • Greenhouse gas emission analysis • Noise analysis • Cultural resources • Global climate change • Traffic analysis
Private Development Plan Checking					
Orange County As-Needed Land Use Planning & Engineering Services	Bea Bea Jimenez 714.667.8858	2010-2015	<p>Atkins' first task order involved development of the 790-acre Tonner Hills project in northern Orange County. Plan check services included zoning compliance, building and safety review, public property permits, drainage and water quality management plan compliance, landscape and irrigation, rough and precise grading plans, retaining walls, decorative walls and fences, nonresidential structures, site accessibility, electrical, plumbing, and underground utilities.</p> <p>The second task order included similar augmentation services at the County public counter as well as plan review services for the Rancho Mission Viejo development in south Orange County. The development consists of 14,000 residential dwelling units, 3.48 million square feet of non-residential uses, 1.22 million square feet of business park, and open space over the remaining 22,815 acres of the historic Rancho Mission Viejo.</p>	\$4,682,465	Provide engineering services to review plans from the developers for the construction of different home tracks in the area. The work included review of rough and final grading plans, storm drainage plans, water quality plans, street improvements, etc.

P53723.MF.17

Project Name	Contact name & phone	Contract dates	Summary of Services	Contract value	Similarity to this Scope of Work
Riverside County Flood Control On-Call Development Review Services	Mark Wills 951.955.1212	2003-2015	Primary responsibilities consist of land development plan checking in compliance with District guidelines and policies, specifically pertaining to hydrologic and hydraulic studies, structural calculations, grading plans, improvement plans, final maps, legal descriptions and deed documents associated with specific land development proposals, and WQMP compliance reviews. Atkins also provides environmental compliance reviews, which involve the collection and review of environmental documents and permits for development projects submitted to the District to ensure that developers comply with applicable CEQA and NEPA requirements, regulatory agency permit conditions, provisions of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP), and long-term mitigation monitoring plans.	\$3 million	Provide engineering services to review plans from the developers for the construction of different home tracks in the area. The work included review of rough and final grading plans, storm drainage plans, water quality plans, street improvements, etc.
Dana Point As-Needed Engineering and Traffic Engineering Services	Matthew Sinacori 949.248.3500	2001-2015	Atkins has provided as-needed professional engineering services to the City of Dana Point since 2001 including all aspects of development review services, which have involved staffing the counter where plan checks are received; reviewing subdivision maps, easement documents, mass and final grading plans, drainage and erosion control plans, and improvement plans for roadways, as well as providing technical support at the City's Engineering counter. General responsibilities included review of proposed development projects; plan check services for private grading, drainage, and public improvement plans; review of bond estimates, title reports, and easement documents; review of H&H reports; tentative map conformance reviews for subdivision maps.	\$3,245,538	Provide engineering services to review plans from the developers for the construction of different home tracks in the area. The work included review of rough and final grading plans, storm drainage plans, water quality plans, street improvements, etc.
City of Inglewood Hollywood Park Plan Check Services	Christopher E. Jackson, 310.412.5230	2014-Ongoing	Atkins assisted the City of Inglewood with the Hollywood Park Redevelopment project involving a mixed-use development. Under the initial contract, Atkins served as an extension of City staff to complete the peer review of the Hollywood Park Specific Plan and EIR. Atkins has performed development review services of the infrastructure improvements proposed for the original Hollywood Park Redevelopment project. Atkins performed a detailed review of the final map and the proposed improvements for on- and off-site street and storm drains, on- and off-site water and sewer improvements, and associated hydrology and hydraulic calculations and reports, as well as associated water and sewer studies.	\$903,420	The work included review of rough and final grading plans, storm drainage plans, water quality plans, street improvements, etc. <ul style="list-style-type: none"> • Environmental document review • Stormdrain design check • Hydrology and hydraulic calculations • Water and sewer
Construction Management & Inspection Services					
Rosemead Boulevard at Telstar Avenue Traffic & Roadway Improvements, City of El Monte	James Enriquez 562.801.4392	2012-2015	Atkins provided construction management and inspection services on this Caltrans Local Assistance Program project, which included roadway widening, traffic signal improvements, pavement overlay, and pedestrian access safety improvements utilizing federal funds for the Arterial Highway Rehabilitation Program. The project consisted of widening 0.5 miles of six-lane arterial highway and local two-lane roadway, traffic signal improvements, catch basin drainage modifications, new curb and gutter, new raised medians, and curb ramps.	\$219,540	Under this project we are providing construction management services and field inspection for the completion of the recommended improvements.
Bellflower Boulevard & Woodruff Avenue Rehabilitation & Downey Avenue Pavement, City of Bellflower	Deborah Chankin 562.804.1424	2012	Atkins provided construction management, field inspection, and document control services. These projects included replacement of damaged curbs, gutters, and sidewalks; installation of ADA-compliant curb ramps; and grind and asphalt concrete overlay of major city streets. Services included public notification, traffic control, subgrade repair, general civil inspection, oversight of surveying, construction and schedule management, labor compliance, DBE compliance, DBE compliance, quality assurance, progress payment review and approval, change order review, and contract administration.	\$126,600	Under this project we are providing construction management services and field inspection for the completion of the recommended improvements.
Final Effluent Sampler & Building Area Upgrades (J-110) Construction Support Services, Huntington Beach, Orange County Sanitation District	Kathleen Millea 714.593.7365	2015-2016	Atkins assisted OCSO with Project J-110 which included replacement of the Final Effluent Sampler Building and rehabilitation of the 120-inch-diameter Short Ocean Outfall and Surge Tower No. 1. The effluent sampler building area consisted of a sampling trailer, ocean monitoring trailer, and storage building. The design aspect of the project included architecture, condition assessment, physical inspection, and engineering services. Atkins provided construction support services for the construction, commissioning, and project closeout. Construction support included review of shop drawings, response to contractor's request for information, assistance in preparation of field change orders, and participation in pre-commissioning activities to plan for the final commissioning of the new construction facilities and equipment.	\$672,326	<ul style="list-style-type: none"> • Contractor's request for information (RFI) • Contract change orders • Shop drawings review • Start-up and commissioning support

P53723.MF.17



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**ATKINS SOUTHWEST INFRASTRUCTURE
STANDARD RATE SCHEDULE, EFFECTIVE JANUARY 1, 2017**

ENGINEERING SERVICES

Senior Engineer IV	\$225.00
Senior Engineer III.....	210.00
Senior Engineer II.....	170.00
Senior Engineer I.....	140.00
Engineer III	140.00
Engineer II	115.00
Engineer I	105.00

ENVIRONMENTAL SERVICES

Senior Scientist IV	\$225.00
Senior Scientist III	210.00
Senior Scientist II	170.00
Senior Scientist I	140.00
Scientist II.....	115.00
Scientist I.....	105.00
Field Technician II	75.00
Field Technician I	70.00

GIS SERVICES

Senior GIS Analyst III	\$210.00
Senior GIS Analyst II	170.00
Senior GIS Analyst I	140.00
GIS Analyst II	115.00
GIS Analyst I	105.00

DESIGN SERVICES

Senior CAD Designer	\$140.00
CAD Designer II	115.00
CAD Designer I	105.00
CAD Technician III	105.00
CAD Technician II	85.00
CAD Technician I	75.00

ADMINISTRATIVE SERVICES

Senior Administrative Coordinator I	\$140.00
Administrative Coordinator II	115.00
Administrative Coordinator I	105.00

EXPENSES AND OUTSIDE SERVICES

Identifiable non-salary costs that are directly attributable to the project, such as reproduction costs, telephone charges, mileage, postage, etc., are billed at actual cost plus 15 percent to cover overhead and administration costs plus 3 percent for insurance costs.

Administrative time to produce customized invoice as requested by client will be billed at hourly rate provided.

Fees for litigation and expert witness services will be charged at \$450.00 per hour with a 4-hour minimum per day.

Specialty licensing and software requested by client will be billed at actual cost plus 15 percent to cover overhead and administration costs.

If applicable, a vehicle allowance of \$12.00 per hour will be charged for the use of a company vehicle assigned to an inspector.

PAYMENT TERMS

A late payment finance charge at a rate of 18 percent per annum will be applied to any unpaid balance commencing 30 days after the date of original invoice.

This rate schedule is subject to annual and/or periodic revisions as necessary to accommodate inflationary trends, salary adjustments and the general costs of business.

Prevailing Wage Rate – Overtime will be charged at 1.25 times and Sundays and holidays will be charged at 1.70 times the above rates.

PROJECT/TECHNICAL MANAGEMENT SERVICES

Senior Project Director.....	\$295.00
Senior Technical Manager II.....	295.00
Principal Technical Professional.....	295.00
Project Director	225.00
Senior Technical Manager I.....	225.00
Senior Project Manager	210.00
Technical Manager II	210.00
Project Manager.....	170.00
Technical Manager	170.00

FIELD CONSTRUCTION MANAGEMENT SERVICES

Senior Resident Engineer.....	\$225.00
Resident Engineer	210.00
Senior Construction Manager	210.00
Superintendent.....	170.00
Construction Manager	170.00
Senior Field Representative II	140.00
Associate Construction Manger.....	140.00
Senior Field Representative I	115.00
Construction Management Rep. II	115.00
Construction Management Rep. I.....	105.00
Office Engineer I	105.00
Field Representative	85.00

LANDSCAPE ARCHITECTURE

Senior Landscape Architect IV	\$225.00
Senior Landscape Architect III.....	210.00
Senior Landscape Architect II.....	170.00
Senior Landscape Architect I.....	140.00
Landscape Architect II	115.00
Landscape Architect I	105.00

PROJECT FINANCE SERVICES

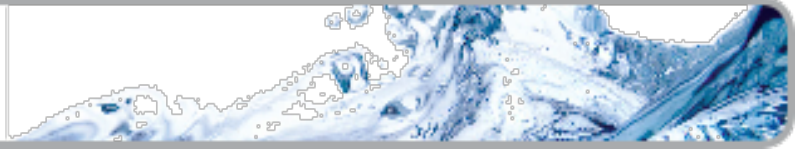
Project Financial Administrator	\$140.00
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2017 FEE SCHEDULE

<u>Personnel Category</u>	<u>Average Hourly Rate</u>
Principal Engineer	\$197.00
Project Manager	\$175.00
Project Engineer	\$153.00
Staff Engineer	\$120.00
Technician/Drafter	\$100.00
Clerical/Support	\$70.00

Direct expenses (e.g., mileage, printing, etc.) will be billed at cost.



Billing Rate Schedule

Table 1: Investment Information for Leak Detection & Condition Assessment Services

Item	Rate	Units	Quantity	Total
Site Inspection & Project Planning	\$5,050	per trip	0	\$0
EchoWave Leak Detection Service				
Up to 6 miles of pipe under 16 inches in diameter	\$49,000	lump sum	0	\$0
Up to 3 miles of pipe 16 inches or greater in diameter	\$49,000	lump sum	0	\$0
Additional distance of pipe under 16 inches in diameter	\$1.16	per ft	0	\$0
Additional distance of pipe 16 inches in diameter or greater	\$2.27	per ft	0	\$0
ePulse Acoustic Condition Assessment Service *includes acoustic leak detection for lengths of pipe tested				
Up to 2 miles of pipe under 16 inches in diameter	\$52,000	lump sum	0	\$0
Up to 1.5 miles of pipe 16 inches or greater in diameter	\$53,000	lump sum	0	\$0
Additional distance of pipe under 16 inches in diameter	\$3.73	per ft	0	\$0
Additional distance of pipe 16 inches in diameter or greater	\$5.17	per ft	0	\$0
Project Level Charges				
Emergency Mobilization Fee	\$5,500	Lump Sum	0	\$0
Re-booking Fee	\$5,500	Lump Sum	0	\$0
Standby Fee	\$2,240	Per Day	0	\$0

Table 2: EchoShore-TX Transmission Pipe Monitoring System Investment Information

Item	Unit Rate	Unit	Quantity	Extended Rate
EchoShore®-TX Leak Detection Nodes • Manufacturing, Standard Installation, Commissioning	\$20,000	per node	0	\$0
EchoShore®-TX Monitoring • System monitoring and cellular costs per node, per year	\$3,000	Per node per year	0	\$0



Atkins

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NOT RECOMMENDED BY AD HOC COMMITTEE

ON-CALL PROFESSIONAL GENERAL, TECHNICAL, AND/OR ENGINEERING SERVICES

*Statement of Qualifications
Prepared for Gateway Water
Management Authority
September 22, 2017*



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GENERAL ON-CALL ENGINEERING SERVICES

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22	8 Contract Comments or Requested Changes

OUR PHOTOGRAPHS:

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ABOUT RRM DESIGN GROUP:

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p: (805) 543-1794 f: (805) 543-4609 • w: rrmdesign.com

California corporation • Leonard Grant, Architect C26973 • Jerry Michael, PE 36895, LS 6276 • Jeff Ferber, LA 284

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September, 22, 2017

Ms. Bibi Weiss
Gateway Management
Authority
16401 Paramount Blvd.
Paramount, CA 90723



CREATING
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RE: GENERAL ON-CALL ENGINEERING SERVICES

Dear Ms. Weiss,

RRM Design Group is excited to submit our Statement of Qualifications. RRM is a multi-discipline firm of engineers, surveyors, landscape architects, and planners focused on our client's success. We feel RRM is uniquely qualified to assist Gateway because not only can we manage projects, conduct feasibility studies, and secure funding, RRM's multi-discipline team can design and implement the projects outlined in Gateway's IRWMP. Our in-house engineers, surveyors, and landscape architects can design and implement the projects from start to finish. We are responsive to our clients, their needs, budgets, and constituents.

RRM has been in business serving clients like Gateway for over 40 years. We have over 130 employees and are large enough to handle your projects yet small enough that your projects are our top priority. Your calls and emails will be returned within one business day.

RRM Design Group's Infrastructure Group has been focused for a decade on assisting agencies in meeting stormwater requirements. Our team has successfully conducted stormwater feasibility studies, managed stormwater projects, conducted public outreach, conducted surveying and GIS mapping, written grants to secure stormwater funding, coordinated IRWM activities, prepared construction documents, provided construction administration, and prepared post project reporting.


RRM has recently led several large stormwater and IRWMP projects. RRM's team assisted our clients in seeking out stormwater solutions which were cost effective, maintainable, and obtained grant funding. We are familiar with the Gateway IRWMP and many of the projects.

RRM has a quality control program, which has been successfully utilized for decades. We maintain a web based scheduling system so we are able to allocate resources to keep your project on schedule. All work will be conducted out of our San Juan Capistrano office. I encourage you to review our qualifications and see how we can assist Gateway in its success. If you have any questions please call or email our Project Manager Bill Strand (work 949-361-7950) (cell 209-605-5753) wfstrand@rrmdesign.com.

Sincerely,

RRM Design Group


Jerry Michael, PE, LS, QSD
Principal-in-Charge


Bill Strand, MS, PE, QSD
Project Manager

ABOUT RRM DESIGN GROUP

Firm Information:

RRM exists because we love creating environments people enjoy. That is what got us into the business over 40 years ago, and it is why we continue to thrive today. Our architects and landscape architects, engineers, surveyors, and planners work with our clients and their communities to create the parks our children play in, the roads we drive down on our way to work, the neighborhoods we come home to, and the fire stations that keep our communities safe. Our work culture emphasizes collaboration, frequent communication, and accessibility. We're a close partner with our clients, helping them understand and navigate through the project lifecycle. Whether your project is public or private, commercial or residential, we listen, we design, and we deliver. On time. On budget. Since 1974.

Principal Place of Business
32332 Camino Capistrano, Ste. 205
San Juan Capistrano, CA 92675
P: (949) 361-7950 F: (949) 361-7955

RRM Design Group understands, above all else, that on-call consulting requires a unique type of firm – one that has a diverse breadth of project and staff experience that can nimbly change gears and adjust to a variety of different projects, big and small; a firm that has the horsepower to take on virtually any task without delaying project schedules; and a firm with seasoned project managers that know how to make your life easier as an extension of your staff, and provide you with highly responsive, high quality service.

Firm Representative:

Jerry Michael, PE, LS, QSD
(949) 361-7950 | jlmichael@rrmdesign.com

Organization Information:

RRM Design Group is a California corporation.
Tax Identification Number: 95-2923783

Office Locations:

San Juan Capistrano, San Luis Obispo, San Leandro, Santa Barbara, with field offices in San Diego, Palm Desert, El Segundo, and Fresno

Firm Size

Total staff of 134

Personnel by Discipline

44	Architecture
30	Engineering
38	Planning and Landscape Architecture
22	Administrative Staff





MODESTO AREA 2 **STORM DRAIN TO SANITARY SEWER CROSS CONNECTION REMOVAL PRELIMINARY DESIGN REPORT**

RRM Design Group was selected to prepare a 35% Design Report to develop innovative and cost-effective methods for reducing flooding and removing sanitary sewer cross connections in northwest Modesto. RRM evaluated numerous options to convey, clean, store, and dispose of the runoff from the approximately 160-acre tributary area. RRM led the geotechnical investigation selection locations for preliminary borings and location and depth of infiltration testing to determine the feasibility of infiltration. RRM evaluated and selected water quality treatment devices and retention systems, which were the most appropriate for this project. RRM and the City chose an LID solution, which included collecting, treating, retaining, and infiltrating stormwater at four existing neighborhood parks. RRM evaluated multiple alignments for new storm drain lines in existing city streets filled with utilities. The project involved extensive coordination with local agencies, utilities, Modesto city schools, and City departments. RRM's team developed conceptual park plans to illustrate the proposed surface improvements after the construction of the proposed retention basins for review by City departments. The project included public outreach to gather input and present the project's selected alternatives. RRM's preliminary design report estimated a reduction in construction costs from \$53 million to \$23 million.



MODESTO AREA 2 GARRISON PARK

As a continuation of the Modesto Area 2 35% Design Report, RRM was hired to prepare construction documents for Phase I, Garrison Park. RRM's surveyors collected topographic and utility information for preparation of construction documents. The project includes a 300,000 cubic foot underground retention basin, pre-treatment device, isolation valve, SCADA intertie, new storm drainage system, and renovation of Garrison Park. Park improvements included a new soccer and baseball field, basket ball court which doubles as a maintenance turnaround. RRM's engineers coordinated with local utilities on utility crossing and clearance requirements on the project. RRM's team prepared civil and landscape construction plans and specifications for this \$3 million Capital Improvement Plan project. During construction, there were minimal RFIs and Change Orders. The only significant RFI and Change Order was due to a gas line miss located by PG&E. RRM's team quickly shifted the storm drain line and the contractor was able to proceed on schedule.

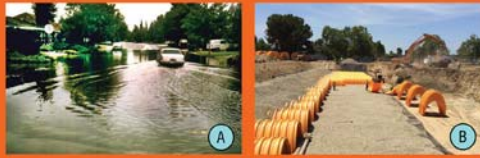
What's Underneath Garrison Park?

How Can I Help Improve Water Quality?

Under your feet is a stormwater storage system that was installed to reduce flooding on Orangeburg Avenue, Carver Road and Westland Drive. This system also prevents stormwater from entering the sewer system, and ultimately from flowing into the local creeks and rivers.

A The previous stormwater system caused local streets to flood each time there was a significant rain.

B Taken during construction, this image shows the underground storm chambers, which sit more than 12 feet below the surface.

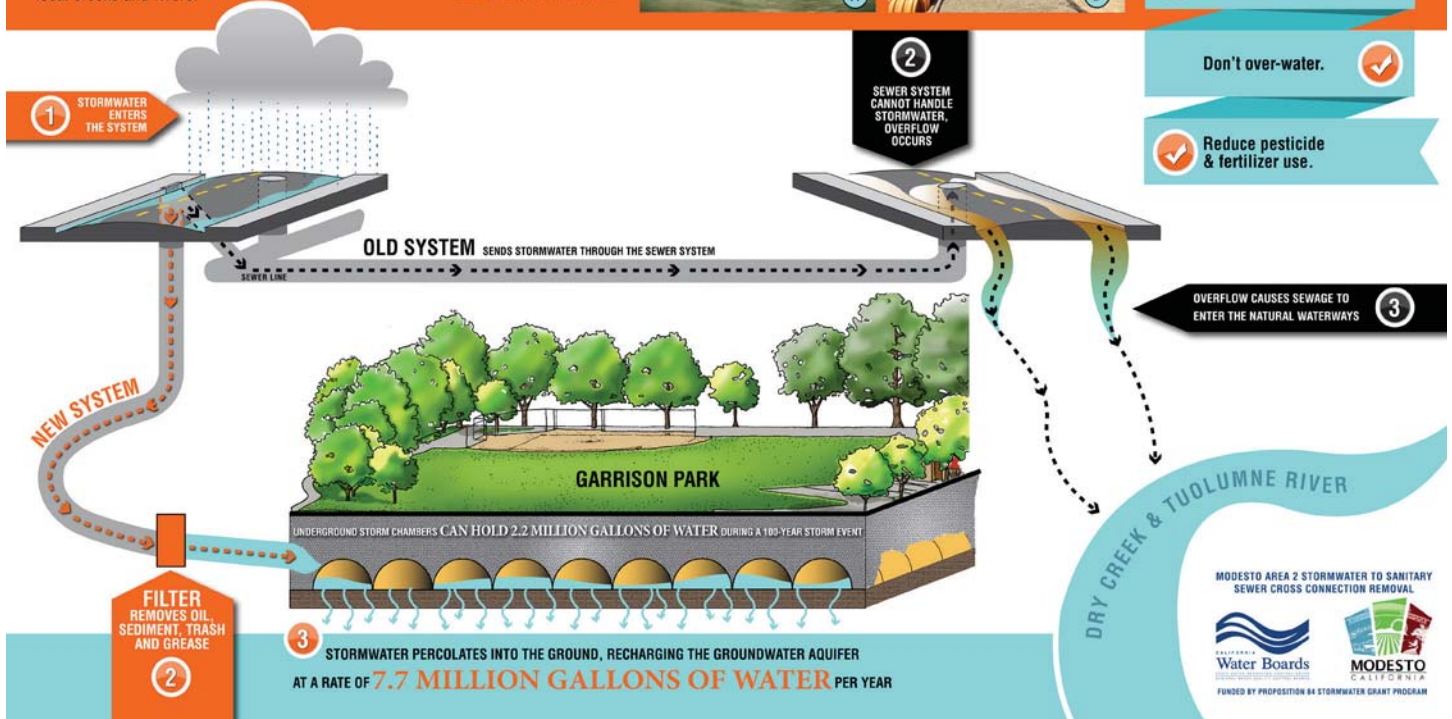


Pick up pet waste.

Remove leaves & debris from the streets and storm drains.

Don't over-water.

Reduce pesticide & fertilizer use.

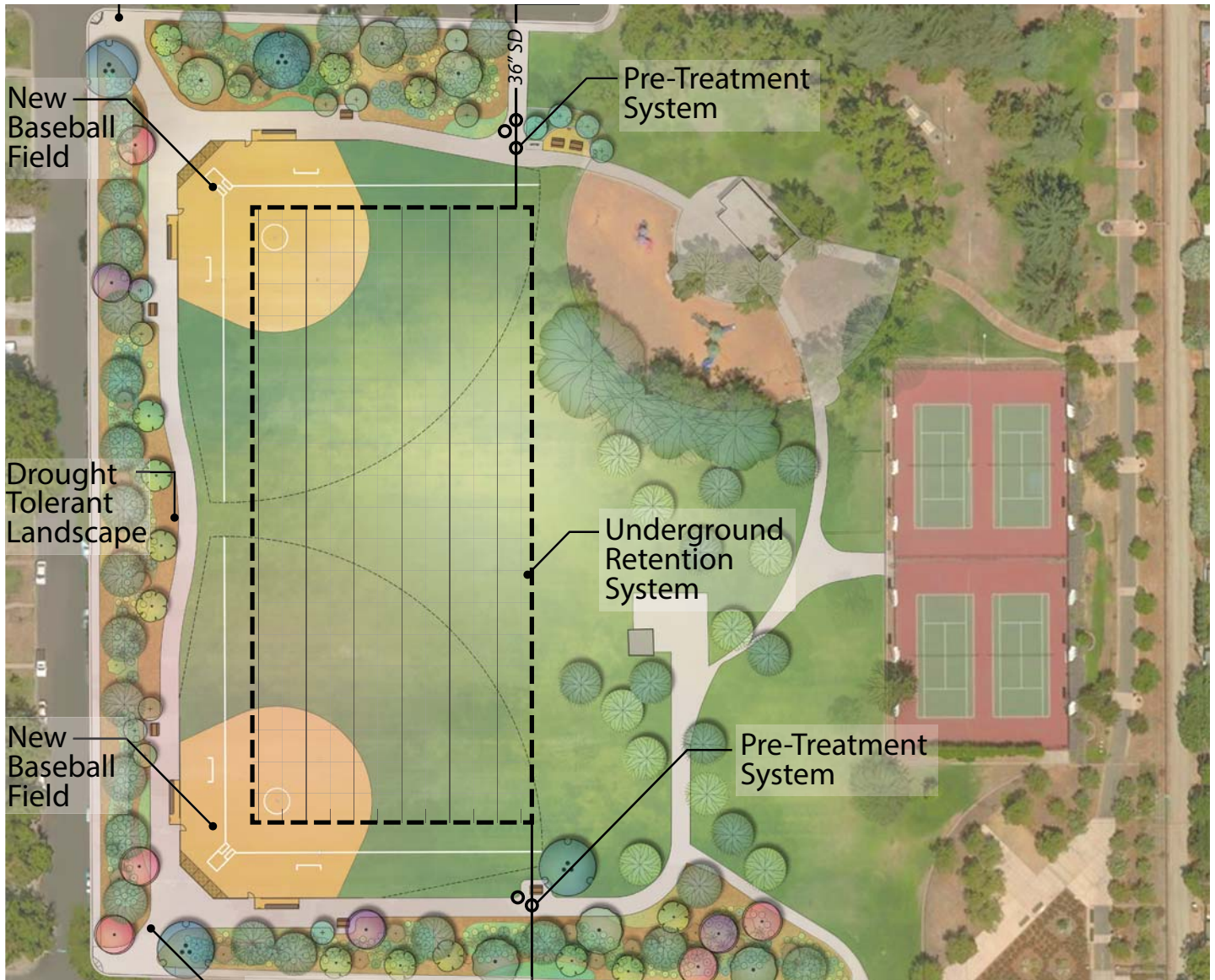


OVERFLOW CAUSES SEWAGE TO ENTER THE NATURAL WATERWAYS

MODESTO AREA 2 STORMWATER TO SANITARY SEWER CROSS CONNECTION REMOVAL
 CALIFORNIA Water Boards
 MODESTO CALIFORNIA
 FUNDED BY PROPOSITION 84 STORMWATER GRANT PROGRAM

PROPOSITION 84 ROUND 2 STORM WATER GRANT FUNDING ASSISTANCE

RRM Design Group was retained by the City of Modesto to prepare the Proposition 84 Stormwater Implementation Grant Application. RRM met with State Water Board Staff to review the project and project performance factors. RRM prepared the project description, project graphics, cost estimates, schedule, quality assurance program, project performance measures, and all SWRCB forms. The City of Modesto obtained the maximum grant allotment of \$3 Million. RRM assisted the City of Modesto with Grant Reporting.



MODESTO AREA 2

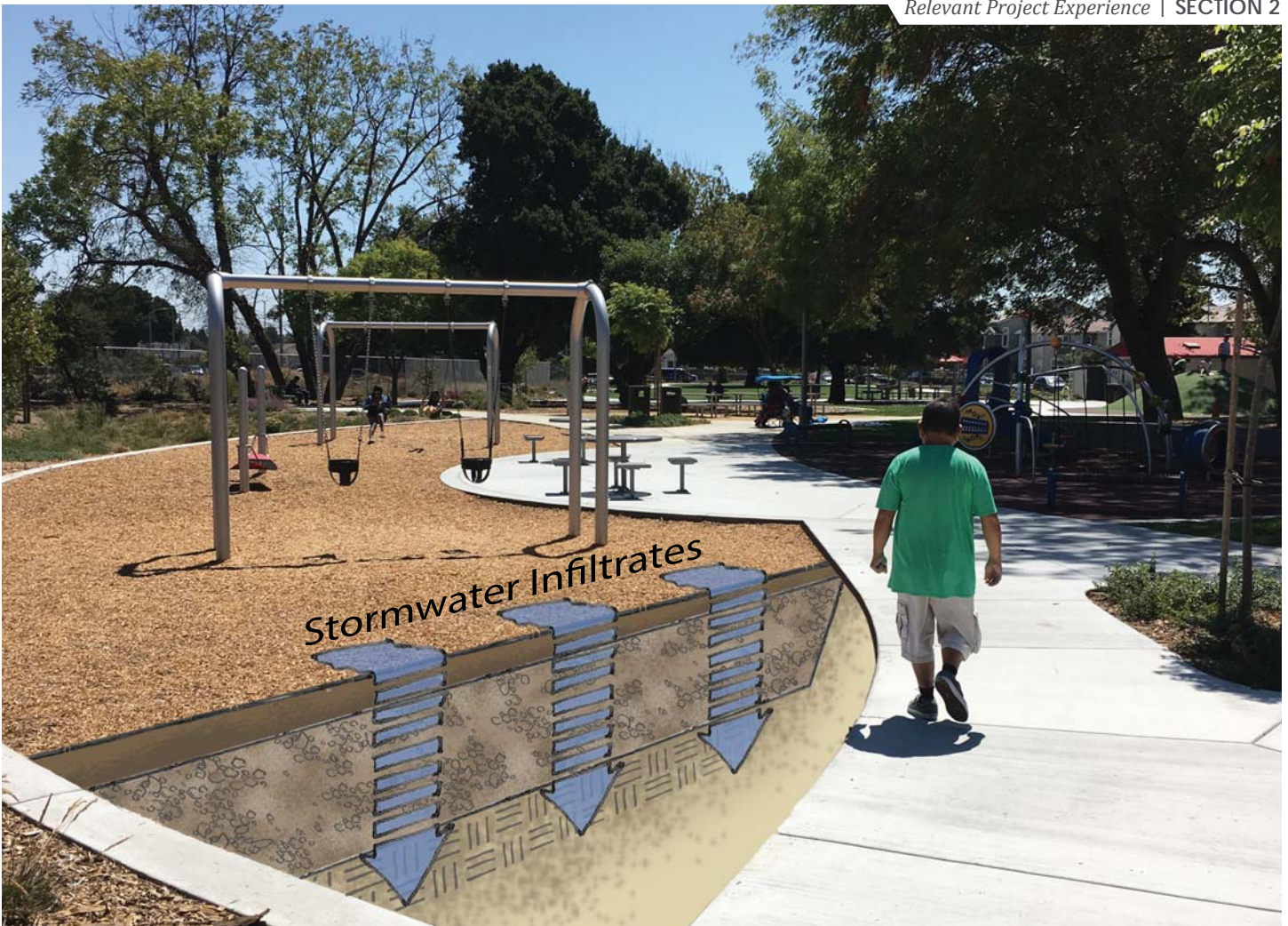
PHASE 2 - ROOSEVELT PARK

RRM Design Group assisted the City of Modesto in obtaining a \$5 million Prop 84 IRWM grant to fund Phase 2 Roosevelt Park. RRM was retained to conduct public outreach and prepare preliminary design concepts and construction documents. The proposed design includes new storm drainage collection system in existing streets, two pre-treatment devices, and a 390,000 cubic feet underground retention basin with level sensing monitor and SCADA interconnect. The retention basin is located under Roosevelt Park and will include renovation of approximately 5 acres of the park including tree removal, new walking paths, new turf, new baseball and soccer fields. RRM is providing public outreach, civil engineering, landscape architecture, construction administration, and grant assistance on the project.



SAN LORENZO PARK **STORM DRAINAGE**

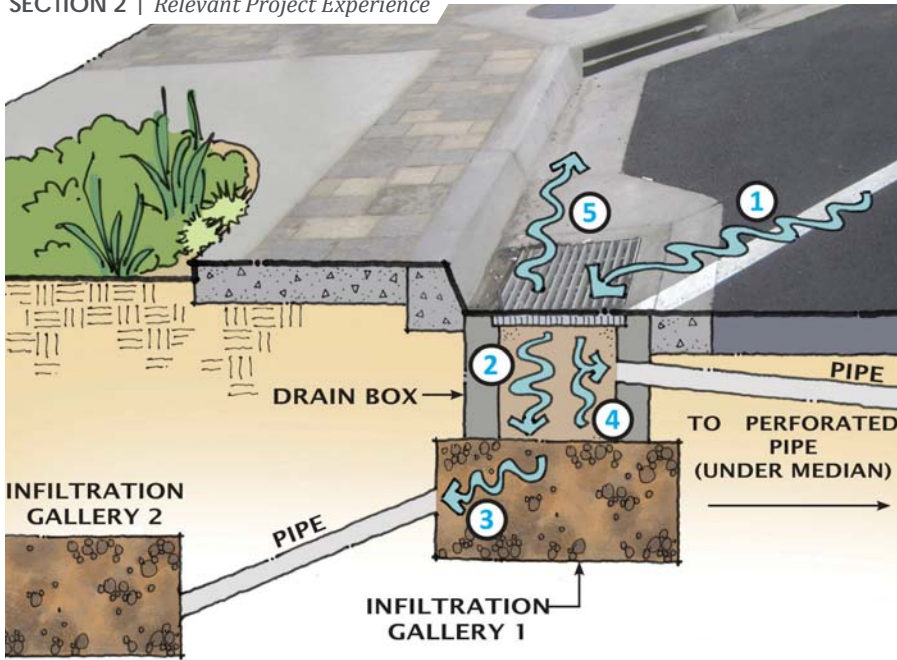
RRM Design Group prepared construction documents for a 32-acre park in San Lorenzo. Due to strict stormwater requirements, RRM's engineers designed innovative improvements that utilize an on-site lake for water quality and water storage and reuse. The storm drainage system includes a collection and storage system under the park's synthetic turf soccer field and bioretention planters in the parking areas. Due to the flat terrain, a lift station pumps stormwater to the lake. A second lift station pumps high water levels in the lake to the San Francisco Bay. Key project issues included: on-site storage and reuse of stormwater runoff requiring innovative solutions; high groundwater requiring design of antifoatation collars for the two stormwater lift stations; and designing stormwater facilities that did not interfere with the use and maintenance of the park.



GREENWOOD PARK

LID STORMWATER MITIGATION

RRM Design Group civil engineers were tasked with designing infiltration and bioretention planters that would fit in with the proposed redevelopment of Greenwood Park and not impede the usability of the limited park space while also not being an eyesore or maintenance headache. RRM's engineers worked closely with our Landscape Architects and the Park District Staff to develop innovative and cost-effective stormwater facilities. The final solution involved bioretention planters at two locations in the park and two infiltration basins located under the play equipment.





Environmental Achievement Award

United States Environmental Protection Agency (EPA), 2010 (APA), San Diego Chapter, 2016



HERMOSA BEACH **PIER AVENUE STREET IMPROVEMENTS**

The City of Hermosa Beach hired RRM Design Group for the redesign of a section of its downtown corridor. This innovative project incorporates a green streets program and a revolutionary storm drain system. The City received nearly \$1.3 million in Federal Recovery Act (economic stimulus) funding from the U.S. Environmental Protection Agency and State Water Resources Control Board to implement the low impact system. The "green street" design addresses existing flooding problems and reduces and cleans stormwater runoff, the most common cause of coastal pollutants, from contaminating the nearby beach. In addition to the storm water system, a new reclaimed water main has been installed which provides irrigation of the new drought-tolerant landscaping.



WESTMONT COLLEGE

STORMWATER MONITORING

RRM Design Group was retained by Westmont College to monitor, sample, and document stormwater discharges as part of the College Master Plan expansion. RRM conducted weekly and quarterly inspections for compliance with the State Construction General Permit. RRM sampled for turbidity and pH during rain events at points of discharge from the site and submitted the data to the State's SMARTS website. RRM prepared Annual Reports for the ongoing project and will complete the Notice of Termination at project completion.

REFERENCES

DAVID FELIX

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Modesto, CA 95353
(209) 577-5488 | dfelix@modestogov.com

Project: Roosevelt Park

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(209) 571-5175 | jfranco@modestogov.com

Project: Garrison Park

WILLIAM WONG

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P.O. Box 642
Modesto, CA 95353
(209) 571-5801 | wwong@modestogov.com

Project: Modesto Area 2 Preliminary Design Report

ASHLEIGH SHUE

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P.O. Box 1990
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(805) 897-2507 | ashue@SantaBarbaraCA.gov

Project: Las Positas Water Quality Technical Memo

JEFF DUCLOS

City of Hermosa Beach
1315 Valley Drive
Hermosa Beach, CA 90254
(310) 318-0216 | jeff@jeffduclos.com

Project Pier Avenue Street/Stormwater Improvements

ASSEMBLING OUR TEAM

Engineering is a big thinker's game. It is not easy making pieces fit together on complex projects, but RRM engineers do it every day. RRM listens to our clients needs, analyses the opportunities and constraints, and works cooperatively with our clients to develop a scope and fee that meets their needs. From the smallest task to complex multi-phased projects RRM is here to support our clients designing and implementing successful projects the public will be proud of.

GATEWAY WATER MANAGEMENT AUTHORITY

RRM DESIGN GROUP



JERRY MICHAEL, PE, LS, QSD
PRINCIPAL-IN-CHARGE



BILL STRAND, MS, PE, QSD
PROJECT MANAGER

CIVIL ENGINEERING

ROBERT CAMACHO
PE
Project Engineer

LANDSCAPE ARCHITECTURE

CHRIS DUFOUR
PLA, LEED AP
Landscape Architect/Irrigation

SUBCONSULTANTS

ELECTRICAL ENGINEERING

P2S ENGINEERING

GEOTECHNICAL ENGINEERING

NINYO & MOORE

ENVIRONMENTAL PLANNING

DUDEK



Project Role

PROJECT MANAGER

Experience

22 YEARS OF EXPERIENCE

10 years at RRM Design Group

BILL STRAND | *MS, PE, QSD*

Bill brings 22 years of broad-based civil engineering experience to RRM. His areas of expertise include low impact design, hydrology and hydraulics, stormwater design, retention and detention design, water and sewer design, site development, residential design, public works, roadway design, entitlement and floodplain mapping. A licensed professional engineer in California and Colorado, Bill has a bachelor's degree in civil engineering and a master's degree in hydraulic engineering from Colorado State University.

MOST RELEVANT PROJECTS

- *Modesto Area 2 Sanitary Sewer Cross Connection Removal*
- *Modesto Area 2 – Phase 1 Garrison Park*
- *Tuolumne New Courthouse Infrastructure*
- *Greenwood Park LID Stormwater Mitigation*
- *Turlock Fire Station #1 LID Parking Lot*
- *Mission San Luis Rey Parish LID Parking Lot*
- *Hermosa Beach Pier Avenue Street Improvements*
- *Las Positas Multi-Use Pathway*

EDUCATION

Bachelor of Science, Civil Engineering, Colorado State University, Fort Collins, CO

Master of Science, Civil Engineering (Hydraulic Engineering), Colorado State University, Fort Collins, CO

ACCREDITATIONS • LICENSES • AFFILIATIONS

- *Civil Engineer, CA, 65712*
- *Civil Engineer, CO, 34335*
- *Qualified SWPPP Developer (QSD)*
- *American Public Works Association (APWA), Southern California Chapter*
- *American Society of Civil Engineers (ASCE), Orange County Chapter*
- *Building Industry Association (BIA), Legislative and Governmental Affairs Committee*
- *California Bicycle Coalition (CBC)*
- *Rails to Trails Conservancy*
- *International Mountain Bike Association (IMBA)*
- *Ivey Ranch Park Therapeutic Riding Center*

Bill has managed projects large and small for over 20 years, but one theme has remained the same, listening to his clients and helping them achieve their goal by developing well-thought-out designs, being responsive, managing the budget, and keeping projects on schedule. Bill has worked for over a decade in Modesto on City of Modesto projects, giving him an intimate knowledge of the community, local agencies, politics, agency staff, and the locality.

Bill's experience as a Civil Engineer began 20 years ago as a research assistant at Colorado State University running computerized and physical hydraulic models and conducting research on infiltration. This deep understanding of hydrology and hydraulics has guided his career into stormwater and sewer design. He has applied his knowledge all over the state of California, but some of his proudest accomplishments have come from developing the solutions that were part of the Area 2 Storm Drainage to Sanitary Sewer Cross Connection Removal project. One particular highlight was getting word that the City of Modesto had received the \$3 million grant, funding the construction of Phase I (Garrison Park) after preparing the Proposition 84 grant application and meeting with State Water Resources Control Board Member several times to lobby for the project.

Bill's natural leadership and management skills, combined with RRM's in-house project management and quality control programs, have yielded many successful on-time and on-budget projects. RRM's live/online schedule and weekly scheduling meetings allow Bill to allocate resources to meet deadlines and shift resources should the need occur. Bill has access to an engineering staff of over twenty and a total firm wide staff of over one hundred. Over the years, Bill has learned to listen to his clients, be responsive to them and their needs, and be responsible with their design and construction dollars (like he expects others to do for him). Bill has successfully managed projects with budgets from a few thousand dollars to multimillion-dollar projects. **To learn more about Bill's management skills, ask David Felix and Will Wong how the Modesto Area 2 PDR and Garrison Park projects turned out.**

Bill's Key's to Successful Project Management

- Be responsive
- Manage the schedule
- Manage the budget
- Manage the design team and sub-consultants
- Oversee and guide the design (be innovative)
- Keep the Client updated
- QC, QC, QC



CREATING
ENVIRONMENTS
PEOPLE
ENJOY.

Project Role

PRINCIPAL-
IN-CHARGE

Experience

38 YEARS OF
EXPERIENCE

22 years at RRM Design Group

JERRY MICHAEL | PE, LS, QSD

Principal and director of RRM Design Group's civil engineering division, Jerry is a California licensed professional engineer and land surveyor with 38 years of experience in utility design, drainage analysis/engineering, water system design, wastewater system design, land surveying and title research, road/site grading and engineering, street improvements, access compliance, and parking and roadway design for both public and private sectors. Since joining RRM in 1995, he has successfully coordinated consultant teams on numerous site development, fire station, school, university, roadway, and utility infrastructure projects. Using cutting-edge GIS, boundary survey, topographic survey, GPS survey, High Definition Survey, and construction staking, Jerry has designed many winning projects including the Jennifer Street Bridge, Venice Beach Refurbishment Project, Spanish Bay Resort and Golf Course, Edna-Islay Subdivisions, Old Town Calabasas Revitalization, and Phase I of the City of San Luis Obispo's Bicycle Pathway.

MOST RELEVANT PROJECTS

- Modesto Area 2 Sanitary Sewer Cross Connection Removal
- Modesto Area 2 - Phase 1 Garrison Park
- Camp Roberts Stormwater Catchment Topo
- Los Osos Wastewater Facilities Collection System Design
- Paso Robles North Campus Waterline
- Nacimiento Water Project Quality Control
- Santa Margarita Low Impact Development (LID)
- Yerba Buena Storm Drain Feasibility Study

EDUCATION

Bachelor of Science, Civil Engineering,
Clarkson University, Potsdam, NY

ACCREDITATIONS • LICENSES • AFFILIATIONS

- Civil Engineer, CA, 36895
- Professional Land Surveyor, CA, LS6276
- Civil Engineer, AZ, 34249
- Professional Land Surveyor, AZ, 21077
- Civil Engineer, HI, PE-10995
- Qualified SWPPP Developer (QSD)
- American Council of Engineering Companies (ACEC) of California, Past President Executive Committee
- American Public Works Association (APWA)
- American Society of Civil Engineers (ASCE)
- California Land Surveyors Association (CLSA)



Project Role

PROJECT ENGINEER

Experience

**12 YEARS OF
EXPERIENCE**

10 years at RRM Design Group

ROBERT CAMACHO | PE

Robert is a project engineer specializing in residential, commercial, multi-family, site-grading, utility design, Caltrans projects, roadway and flood control engineering. He has done multiple projects that not only exceed the governing agencies requirements, but also incorporate, as much as economically feasible, aspects of low-impact development (LID). Robert is knowledgeable in incorporating LID components and how they affect the overall project cost and aesthetics.

MOST RELEVANT PROJECTS

- Modesto Area 2 Sanitary Sewer Cross Connection Removal
- Modesto Area 2 – Phase I Garrison Park
- Tuolumne New Courthouse Infrastructure
- Mission San Luis Rey LID Parking Lot
- Turlock Fire Station #1 LID Parking Lot
- Los Osos Wastewater Facilities Collection System Design
- Serra Meadows Drainage Mitigation and Easements

EDUCATION

Bachelor of Science, BioResource and Agricultural Engineering, California Polytechnic State University, San Luis Obispo, CA

ACCREDITATIONS • LICENSES • AFFILIATIONS

- Civil Engineer, CA, 76597
- Dust Control Application Writer Certified 2007
- Qualified SWPPP Practitioner (QSP)



CHRIS DUFOUR | *PLA, LEED AP*

In his years with RRM's Planning and Landscape Architecture Group Chris has worked on a wide array of private and public projects. Chris is skilled in all project aspects, but has a special emphasis on the technical aspects involved in construction documents, cost estimation, bidding assistance and construction administration. Chris has performed on a variety of projects including Hermosa Beach's Pier Avenue, Cal Poly Mustang Stadium, and the Tehachapi Downtown Master Plan. Chris' technical skills are complemented by experience in large-scale irrigation design and water conservation.

Project Role

LANDSCAPE
ARCHITECT/
IRRIGATION

Experience

18 YEARS OF
EXPERIENCE

17 years at RRM Design Group

MOST RELEVANT PROJECTS

- *Greenwood Park Renovation and LID Stormwater Mitigation*
- *Hermosa Beach Pier Avenue Street Improvements*
- *Knickerbocker Drainage Channel Trail*
- *Los Osos Wastewater Facilities Collection System Design*
- *Mission San Luis Rey Parish LID Parking Lot*
- *Modesto Area 2 Storm Drain Cross Connection Phase I*
- *Morro Bay Harborwalk*
- *Pinnacles National Park - LEED Platinum*
- *Point Arena Community Park and Trail System*
- *San Lorenzo Community Park Construction Documents*
- *Surfer's Point Managed Shoreline Retreat*
- *Las Positas Multi-Use Pathway*

EDUCATION

Bachelor of Science, Landscape Architecture, California Polytechnic State University, San Luis Obispo, CA

ACCREDITATIONS • LICENSES • AFFILIATIONS

- *Landscape Architect, CA, 4993*
- *Leadership in Energy and Environmental Design Accredited Professional (LEED AP)*

PROJECT APPROACH

RRM Design Group's philosophy for delivering successful projects entails early and active participation between the design team and our clients.

- Establish a Cooperative Relationship
- Establish a Complete Project Schedule
- Establish a Project Budget
- Complete and Successful Performance

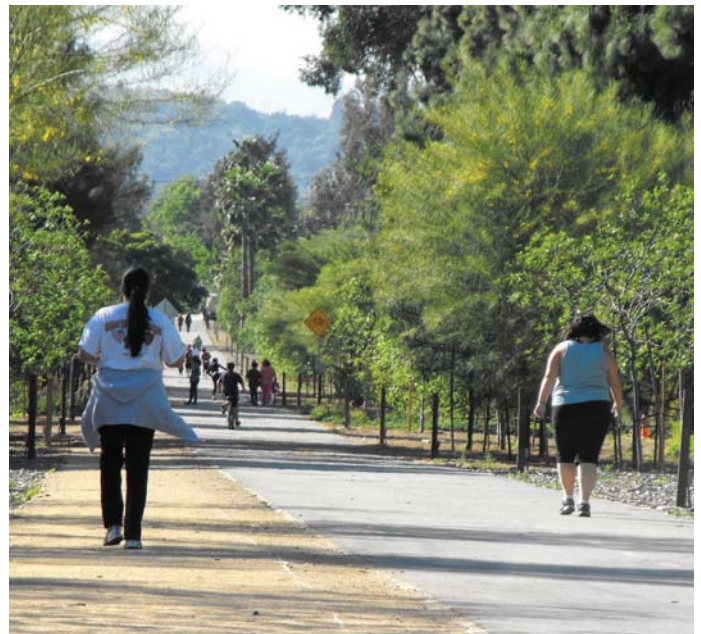
The best cost saving strategies start with a good plan.

ESTABLISHMENT OF A COOPERATIVE RELATIONSHIP

- Communication is the difference between a successful project or one that is not well thought out. Most technical and management problems come down to poor communication between the client, designer, and their subconsultants. RRM minimizes miscommunication by having the core services of engineering, surveying, landscape architecture, and planning in-house. Our team has years of experience working together and understanding what is important to each discipline. The smallest of details can be very easily worked out by a short walk to the other designer's desk. Communication with the client is improved by providing meeting minutes after each meeting laying out what was discussed and agreed to.
- From the first meeting to the last meeting, RRM Design Group establishes and maintains an open communication policy and believes in a team oriented approach to achieving goals.
- Excellent client service is the foundation upon which RRM Design Group is built. RRM Design Group strongly believe that success for all parties is the only true measure of success and only through a team-orientated, cooperative approach can this take place.

ESTABLISH A COMPLETE PROJECT SCHEDULE WITH CRITICAL PATH

- Working with the Client and stakeholders, RRM Design Group prepares a detailed project schedule at the start of the project establishing the critical path for completion including milestones for Client and Agency review. Knowing the issues that are contained in the critical path and targeting them for on-time completion is critical to keeping a project schedule.
- If delays occur in the critical path, RRM Design Group is proactive in responding to the delay with a recovery plan that reflects an updated schedule with the same end date.
- With an in-house team of over 130 full time employees including civil engineers, surveyors, landscape architects, and planners, RRM Design Group possesses the resources needed to keep our schedule promises.



ESTABLISH A PROJECT BUDGET

- Key to RRM Design Group’s approach is cost modeling or elemental estimating at the very early stages of project development. With an accurate and agreed upon project budget it allows our designers to identify potential cost impacts and to stay within budget through the course of development.
- With our knowledge and experience in stormwater projects across California we are able to respond to a wide variety of project types building an in-house team that has relevant recent experience.

COMPLETE AND SUCCESSFUL PERFORMANCE

The principles and procedures necessary for a complete and successful performance include:

- Expert knowledge working with agencies in the design and strategic planning of public facilities.
- Extensive experience in and a sensitivity to the ‘contextual’ approach to project design and its incorporation into surrounding neighborhoods.
- A multidiscipline firm that offers not only civil engineering services, but also surveying, landscape architecture and planning under one roof. In addition, we have a long, successful history with our consultant team in completing public projects.
- Expert knowledge in designing and implementing stormwater projects – RRM Design Group is a leader in Low Impact Development (LID) and has planned, secured grant funding, and constructed many stormwater projects.

DELIVERABLES

At the beginning of a project, RRM focuses on capturing clear direction on final deliverables and end products, and establishing a shared understanding of the project with the Client and all subconsultant team members. Providing an essential project “road map,” RRM develops a critical path schedule, monitoring and updating it regularly throughout the process. RRM makes it a practice to provide monthly status reports of project progress and to closely coordinate with the Client project manager and key consultant team members. RRM views close project team collaboration as a key mechanism to ensure issues are well vetted and fully addressed, because better projects result from multiple perspectives. In addition, all product deliverables are reviewed internally for quality control purposes prior to Client submittal.



MAINTAINING PROJECT SCHEDULE

In managing a schedule, we have found it helpful to establish mutually-agreeable, timely turnaround review times. We request one redlined, marked-up version of comments from staff so that all comments are reconciled and the revision process is expedited. Conducting workshops and/or focus group meetings early with stakeholders is an effective means to surface issues and build consensus. Early consultation with affected agencies and stakeholders is important for a smooth and efficient process. These approaches reduce potential surprises that can add costs, cause delays, and dilute consensus. For time efficiency, meetings are scheduled with staff and oversight committees on the same day where practical. Finally, with respect to a strategy to correct schedule slips, we will provide frequent updates to our schedule and monitor our performance against it to be sure we are staying on schedule. Should there be schedule slips, we would notify Client staff immediately. With weekly conference calls, regular meetings, and clear communications, we are confident we will be able to stay on course and remain focused on achieving the end goal within the timeframes established for this endeavor.

QUALITY CONTROL

RRM has a three-step quality control process: 1) all projects are guided by RRM' Project Life Cycle, which guides the development of all projects from proposal to archiving and all steps in between. Included within the Project Life Cycle is the process by which project files are set up, project binders established, communications filed, calculations documented, and all other aspects of a project. Included within the Project Life Cycle are RRM's CADD Standards, which guide the setup of project CADD files, templates, layers, layouts, and drawing style, 2) RRM has an in-house construction manager who reviews projects at key milestones for constructability. Because he is a licensed contractor, Stan Shahan, reviews plans through the eyes of a contractor looking for holes, potential conflicts, items open for interpretation and potential change orders. 3) A licensed engineer is assigned to each project to review each project for conformance with RRM standards.

FEDERAL PROJECT PROFICIENCY

RRM's team has worked with on over 100 federally and state funded projects statewide. RRM recently completed construction on the Modesto Area 2 Stormwater Project Phase I (Garrison Park) which was funded by Proposition 84. We understand the requirements for Federal and State funded projects.





BILL RATE RANGES

Subject to change effective March 1st each year

Accountant	\$ 75 - \$ 140
Accounting Specialist	\$ 50 - \$ 85
Accounting Technician	\$ 40 - \$ 65
Administrative Assistant	\$ 50 - \$ 105
Agency Coordinator	\$ 55 - \$ 105
Architect	\$ 90 - \$ 150
Assistant Designer	\$ 65 - \$ 95
Assistant Manager of Architecture	\$ 120 - \$ 180
Assistant Planner	\$ 65 - \$ 95
Associate Designer	\$ 75 - \$ 115
Associate Planner I	\$ 75 - \$ 115
Associate Planner II	\$ 85 - \$ 120
Billing Specialist	\$ 45 - \$ 85
Business Development Coordinator	\$ 80 - \$ 125
Business & Project Development Manager	\$ 95 - \$ 140
Chief Executive Officer	\$ 170 - \$ 315
Chief Operations Officer	\$ 150 - \$ 280
Construction Inspector	\$ 105 - \$ 150
Controller	\$ 110 - \$ 245
Design Director	\$ 130 - \$ 205
Designer - Landscape Architecture	\$ 85 - \$ 120
Designer I - Architecture	\$ 65 - \$ 100
Designer I - Engineering	\$ 45 - \$ 80
Designer II - Architecture	\$ 75 - \$ 110
Designer II - Engineering	\$ 60 - \$ 100
Designer III - Architecture	\$ 85 - \$ 145
Designer III - Engineering	\$ 75 - \$ 125
Engineer I	\$ 75 - \$ 120
Engineer II	\$ 90 - \$ 140
Facilities Coordinator	\$ 45 - \$ 80
Facilities Supervisor	\$ 60 - \$ 105
File Clerk	\$ 30 - \$ 60
Graphic Designer	\$ 75 - \$ 125
Human Resources Assistant	\$ 45 - \$ 80
Human Resources Generalist	\$ 70 - \$ 125
Information Technology Assistant	\$ 45 - \$ 80
Information Technology Technician	\$ 60 - \$ 105
Information Technology Server/LAN Administrator	\$ 80 - \$ 140
Interior Designer I	\$ 50 - \$ 90
Interior Designer II	\$ 65 - \$ 105
Intern	\$ 35 - \$ 65
Job Captain	\$ 85 - \$ 145
Landscape Architect	\$ 80 - \$ 120
Land Surveyor	\$ 105 - \$ 160
Manager of Architecture	\$ 135 - \$ 230
Manager of Engineering Services	\$ 150 - \$ 245
Manager of Human Resources	\$ 100 - \$ 160

Manager of Information Technology	\$ 110 - \$ 195
Manager of Landscape Architecture	\$ 135 - \$ 230
Manager of Marketing	\$ 100 - \$ 160
Manager of Planning	\$ 135 - \$ 230
Manager of Surveying	\$ 140 - \$ 210
Marketing Assistant	\$ 45 - \$ 80
Marketing Coordinator	\$ 60 - \$ 105
Office Coordinator	\$ 65 - \$ 115
Party Chief	\$ 90 - \$ 150
Principal	\$ 165 - \$ 280
Principal Landscape Architect	\$ 120 - \$ 210
Principal Planner	\$ 120 - \$ 210
Project Accountant	\$ 65 - \$ 125
Project Administrator	\$ 70 - \$ 115
Project Architect	\$ 100 - \$ 160
Project Engineer	\$ 105 - \$ 160
Project Manager - Architecture	\$ 95 - \$ 160
Project Manager - Engineering	\$ 130 - \$ 220
Receptionist	\$ 40 - \$ 80
Recruiter	\$ 70 - \$ 125
Senior Architect	\$ 125 - \$ 185
Senior Designer - Architecture	\$ 100 - \$ 170
Senior Designer - Engineering	\$ 95 - \$ 160
Senior Designer - Landscape Architecture	\$ 100 - \$ 155
Senior Interior Designer	\$ 80 - \$ 130
Senior Land Surveyor	\$ 120 - \$ 185
Senior Landscape Architect	\$ 100 - \$ 155
Senior Marketing Coordinator	\$ 80 - \$ 130
Senior Party Chief	\$ 105 - \$ 170
Senior Planner	\$ 100 - \$ 155
Senior Project Engineer	\$ 125 - \$ 205
Senior Project Manager - Architecture	\$ 125 - \$ 215
Supervisor of Surveying	\$ 125 - \$ 195
Survey Technician I	\$ 50 - \$ 90
Survey Technician II	\$ 60 - \$ 115
Survey Technician III	\$ 75 - \$ 140

Survey Crew Rates

REGULAR

One person w/ GPS or Robotic Workstation	\$ 125 - \$ 155
Two person	\$ 175 - \$ 290
Three person	\$ 235 - \$ 390

PREVAILING WAGE

One person w/ GPS or Robotic Workstation	\$ 150 - \$ 180
Two person	\$ 225 - \$ 340
Three person	\$ 325 - \$ 490

Dudek

Dudek is a California-based environmental firm with 12 offices and more than 350 planners, scientists, civil engineers, contractors, and support staff. They assist private and public clients on a broad range of projects that improve our clients' communities, infrastructure, and natural environment. Dudek's environmental planners work regularly with RRM's engineering staff, looking for self-mitigating design solutions to streamline the CEQA compliance process and ease the regulatory permitting process.

Services Provided:

- Environmental Planning • CEQA Compliance
- Regulatory Agency Coordination

Lead Contact

Collin Ramsey
27372 Calle Arroyo, San Juan Capistrano, CA 92675
(949) 373-8329 | cramsey@dudek.com

Ninyo & Moore

Ninyo & Moore, a minority-owned business enterprise, was established in San Diego in 1986 to provide exceptional geotechnical engineering, geologic, hydrogeologic, soil testing, materials testing and special inspection, and environmental consulting services to the public and private sectors. Ninyo & Moore's geotechnical group provides services during the planning, design, value engineering, construction and post-construction phases of projects. Ninyo & Moore's personnel are licensed in their specific disciplines and are fully committed to providing the necessary resources for successful completion of projects.

Services Provided:

- Geotechnical Investigation
- Geotechnical Engineering

Lead Contact

Michael Rogers, PG, CEG
475 Goddard, Ste. 200, Irvine, California 92618
(858) 576-1000 | mchirumalla@ninyoandmoore.com

P2S Engineering

For 26 years, P2S has brought innovative and sustainable engineering solutions to Southern California. With offices in San Diego and Long Beach, they have extensive experience in the Southern California market and have strong working relationships with local officials, professionals and businesses.

Services Provided:

- Electrical Engineering • Lighting Design

Lead Contact

Wes McKean
5000 E. Spring St., Ste. 800, Long Beach, CA 90815
(562) 497-2999 | wes.mckean@p2seng.com

RRM Design Group is in substantial agreement with the proposed Consulting Services Agreement, however there are some items that we feel would be of mutual benefit to discuss and would improve insurability.

SECTION 8 - INDEMNIFICATION.

Indemnities. Consultant shall indemnify, defend and hold harmless GWMA, and its officials, officers, attorneys, agents, employees, designated volunteers, successors and assigns in accordance with the terms of this Section 9. Consultant's covenant under this Section 9 shall survive the expiration or termination of this Agreement.

To the fullest extent permitted by law, Consultant hereby agrees, at its sole cost and expense, to protect, defend, hold harmless and indemnify GWMA, its officials, officers, attorneys, agents, employees, designated volunteers, successors, assigns and those GWMA agents serving as independent contractors in the role of GWMA officials (collectively "Indemnitees") from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, expenses, judgments, penalties, liens, and losses of any nature whatsoever, including reimbursement of reasonable fees of accountants, attorneys, or other professionals and all costs associated therewith and the payment of all consequential damages (collectively "Claims"), in law or equity, whether actual, alleged or threatened, which arise out of, pertain to, or relate to the extent caused by the negligent acts or omissions of Consultant, its officers, agents, servants, employees, subconsultants, suppliers or their officers, agents, servants, employees, subconsultants, contractors (or any entity or individual that Consultant shall bear the legal liability thereof) in the performance of this Agreement, including the Indemnitees' active or passive negligence, except for Claims arising from the sole negligence or willful misconduct of Indemnitees, as determined by final arbitration or court decision or by the agreement of the parties. Consultant shall defend Indemnitees in any action or actions filed in connection with any Claim with counsel of Indemnitees' choice, and shall pay all costs and expenses, including all attorneys' fees and experts' costs actually incurred in connection with such defense. Consultant shall reimburse Indemnitees for any and all legal expenses and costs incurred by Indemnitees in connection therewith.

The indemnity under this Section 9 is effective regardless of any prior, concurrent, or subsequent misconduct, negligent acts, errors or omissions of the Indemnitees and without reference to the existence or applicability of any insurance coverages that are required under this Agreement or any additional insured endorsements that may extend to the Indemnitees. The indemnity under this Section 9 is in addition to any other rights or remedies that the Indemnitees may have under the law. Payment is not required as a condition precedent to the Indemnitees' right to recover under this Section 9, and an entry of judgment against Consultant shall be conclusive in favor of the Indemnitees' right to recover under this Section 9. Consultant shall pay Indemnitees for any attorneys fees and costs incurred in enforcing these indemnification provisions.

SECTION 9 - INSURANCE

Insurance Requirements.

Consultant shall at all times during the term of this Agreement carry, maintain, and keep in full force and effect, the following policies of insurance with minimum limits as indicated below and issued by insurers with A.M. Best ratings of no less than A:VII:

“Occurrence Form” Comprehensive General Liability Insurance (at least as broad as ISO Form CG 0001, covering liability on an occurrence basis) providing protection against bodily injury, including death, personal injury and property damage. This insurance shall provide ~~broad-form contractual liability protection covering the indemnity provisions contained in this Contract~~, underground hazards, products-completed operations. A per occurrence limit of \$2,000,000 and \$4,000,000 in the aggregate, written, with dedicated limits, on a “per project” basis; and a products-completed operations aggregate limit of at least \$4,000,000. The Contractor’s insurance policy shall include or be endorsed to include a “severability of interests” provision ensuring that each “additional insured” is treated as if it is the only insured; and “Occurrence Form” Automobile Liability Insurance providing protection against bodily injury, including death, and property damage. This insurance shall ~~provide contractual liability by endorsement (ISO Form CA 0001, Code I, “any auto” or equivalent)~~ and shall cover any motor vehicle (or mobile equipment, to the extent it may be excluded from general liability insurance) used by the Contractor (whether owned, non-owned, hired or scheduled). The Contractor’s insurance policy shall include or be endorsed to include a “severability of interests” provision ensuring that each “additional insured” is treated as if it is the only insured; and

Professional liability (if Design/Build), with limits no less than \$1,000,000 per occurrence or claim, and \$2,000,000 policy aggregate, **and shall be maintained for 5 years** ~~with a five-year tail~~ from the completion of the project; and

Workers’ compensation and Employer’s Liability: Workers’ Compensation insurance as required by the State of California, with Statutory Limits, and Employers’ Liability insurance with a limit of no less than \$1,000,000 per accident for bodily injury or disease.

The **General Liability and Automobile Liability** insurance required by this Section 10 shall apply on a primary non-contributing basis. Any insurance or self-insurance maintained by GWMA, its member agencies, officers, employees, agents, subcontractors or volunteers, shall be in excess of Consultant’s insurance and shall not contribute with it.

The automobile and comprehensive general liability insurance policies shall contain an endorsement naming GWMA and its officers, employees, officials and agents as additional insureds. All insurance policies shall contain an endorsement providing that the policies cannot be canceled ~~or reduced~~ except on thirty (30) days’ prior written notice to GWMA. **A ten (10) day written notice to GWMA shall apply to non-payment of premium. Consultant shall provide thirty (30) days written notice to GWMA prior to implementation of a reduction of limits or material change of insurance coverage as specified herein.** All insurance policies shall be endorsed to delete the subrogation condition as to GWMA, or shall explicitly allow Consultant to waive Consultant’s right of recovery prior to loss. Consultant waives all rights of subrogation and contribution against GWMA. Consultant shall require its insurer to modify the certificates of insurance to delete any exculpatory wording stating that failure of the insurer to mail written notice of cancellation imposes no obligation, and to delete the word “endeavor” with regard to any notice provisions.



NOT RECOMMENDED BY AD HOC COMMITTEE

August 21, 2017

Ms. Bibi Weiss
Gateway Water Management Authority
16401 Paramount Boulevard
Paramount, CA 90723

Re: **Request for Statement of Qualifications for General On-Call Professional, Technical and/or Engineering Services**

Dear Ms. Weiss:

Simplus Management Corporation (Simplus) is excited to submit this Statement of Qualifications (SOQ) and to have the opportunity to develop and maintain a working professional relationship with the Gateway Water Management Authority (Authority). In developing our SOQ, we have ensured that we adhered to the format described in the Request for SOQ's. We understand and are committed to the terms and conditions of the SOQ and the Authority's Pro Forma Professional Services Agreement without exception.

We have studied the abridged list of projects in, or in close proximity to, the Gateway Region and we believe we can contribute to the Authority's member cities' responsibilities by supporting delivery of water supply reliability, water quality, wastewater, storm water and flood control programs. Among the list of Authority-requested Scope of Services, Simplus is well positioned to provide the following:

- Project management, including, but not limited to, construction management and inspection services, plan checking, compliance assurance, and reporting services associated with Federal, State and other Grant-funded projects and programs.
- Coordinate and manage watershed projects.
- Prepare and/or manage preparation of project bid documents, plans and specifications.
- Grant implementation management.
- GIS mapping/management.

In closing, Simplus appreciates this opportunity to submit our statement of qualifications for your consideration. We look forward to the next step in your selection process to share with you our firm's proactive project management approach, and having the opportunity *to become an extension of your staff*, assisting the Authority in implementing professional project management services and delivering economical and efficient water management programs throughout the Gateway Cities.

Should you have any questions regarding this submittal, please contact me at (562) 743-9400 (cell) or via e-mail at pbuckley@simplusmanagement.com.

Sincerely,

A handwritten signature in blue ink that reads "Paul J. Buckley".

Paul J. Buckley, P.E., LEED AP, QSD
President

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Section 1 – Company Qualifications

Simplus Management Corporation (Simplus) was founded in 1996 as a California corporation and is headquartered in the City of Cypress. Simplus is a woman-owned small business that is focused on providing professional engineering design, program and construction management consulting services, continually meeting and exceeding our clients’ expectations for quality, cost, and schedule attainment.

By leveraging the professional experience, technical knowledge and skill of our support personnel, Simplus has the depth of expertise and resources to simultaneously accommodate multiple projects of varying size and scope. With its 21 years in the industry, Simplus has successfully managed more than \$850 million in public agency infrastructure projects in southern California. We believe our focus on service, together with our qualifications and expertise in project management and engineering design of public agency infrastructure projects, brings to the Gateway Water Management Authority (GWMA) an outstanding team of engineering professionals, who will work together for the GWMA’s as-needed program, project and construction management services.

Simplus will draw on its 21 years of management experience with storm water collection facilities, water treatment/distribution systems, streets, highways, curb, gutter, sidewalks, (Green Streets and LID) and the full spectrum of utilities, i.e. water, sewer, natural gas, communications, electrical systems, and heavy civil infrastructure projects to meet the requirements of the proposed scope of work.

In addition to Simplus’ comprehensive project experience, our seasoned management and project staff members also possess extensive knowledge and experience in providing and directing a full range of project and construction management services. Simplus’ project managers are either Registered Professional Civil Engineers or Certified Construction Managers with LEED and QSD/QSP certifications. One of the firm’s distinctive differentiators is the fact that its senior professionals all have experience working as consultants, as public agency staff and for contractors. This brings a unique and well-rounded perspective to our assignments. The Simplus staff, who will be assigned primary responsibility for GWMA’s as-needed program, all work from the Cypress office or directly on project sites (18 employees).

A majority of Simplus’ projects are provided on an “On-Call” basis and we currently have nine multi-year on-call contracts for the Cities of Anaheim, Long Beach (program management and a construction management contract) and Pasadena, the Ports of Los Angeles and Long Beach, Orange County Public Works PM/CM Central Region and South Region and OC Public Works facilities. All the on-call contracts provide for **NPDES, SWPPP and Storm Water Management elements**. Notable work with Gateway agencies also includes on-call program management services to the City of Long Beach, management support for the Long Beach Harbor Department (including federal grant requirement administration), and program and construction management services for the construction of the City of Signal Hill’s new Police Department and Library.

We focus on being a proactive and responsible partner to our public agency clients. What sets Simplus apart from our competition is that we combine extensive field experience with an in-depth understanding of cost control, schedule adherence, and the ability to adapt to and manage change. Simplus defines its success by the value of its services delivered and invites our future clients to explore how our record of proven success and expertise has enabled us to accomplish our goal of becoming the preferred provider of program, project, and construction management consulting services for GWMA.

Section 2 – Discipline Specific Experience Listed in Scope of Services

GWMA was founded in response to the State of California’s requirement to integrate regional watershed activities such as water supply, recycled water, storm water, conservation measures and wastewater. Officially, the state has designated GWMA as an official “Regional Integrated Water management” area.

Summary of GWMA Requested Scope of Services

Simplus has reviewed GWMA’s list of Scope of Services shown in the Request for Qualifications and is submitting this Statement of Qualifications for the following five service categories:

<i>Scope of Services</i>	<i>Years of Experience</i>	<i>Examples of Related Work Provided</i>	<i>Work Done as Multi-Jurisdictional</i>	<i>Other Related Information</i>
Project Management, Construction Management and Inspection services, including plan checking, compliance assurance and reporting services associated with Federal, State and other Grant-funded projects and programs.	21	Current On-Call PM/CM projects for of: <ul style="list-style-type: none"> • City of Anaheim • City of Long Beach (2) • City of Pasadena • County of Orange (3) • Port of Los Angeles • Port of Long Beach 	Yes	Worked together with municipalities and county agencies and Federal, State and other regulatory agencies as required on all projects
Coordinate and manage Watershed projects (storm water, groundwater, water conservation, water supply, etc.)	21	<ul style="list-style-type: none"> • City of Long Beach (4) • County of Orange (2) • Port of Los Angeles • City of Signal Hill 	Yes	Los Angeles and Santa Ana Water Quality Boards, USACE, California Department of Fish and Wildlife
Prepare and/or manage project bid documents, plans and specifications	40	<ul style="list-style-type: none"> • City of Long Beach • Long Beach Water Department • City of Signal Hill 	No	Municipalities
Grant Implementation Management	21	<ul style="list-style-type: none"> • City of Long Beach (4) • Port of Long Beach 	Yes	Federal, State and local agency Grants
GIS mapping, management, and 3D modelling	3	<ul style="list-style-type: none"> • Signal Hill Petroleum • Port of Long Beach 	Yes	Federal, State, Municipal and Private Sector

Project management, including, but not limited to, construction management and inspection services, plan checking, compliance assurance and reporting services associated with Federal, State and other Grant-funded projects and programs. Simplus’ primary service is project and construction management for government and other public agencies. Having managed over \$850M worth of civil infrastructure design and construction, Simplus has a proven track record for delivering high-quality multi-jurisdictional projects efficiently and within budget. Simplus takes a holistic approach to project and construction management and highly encourages client-representative cooperation, transparency and active communication.

Coordinate and manage watershed projects (storm water, groundwater, water conservation, water supply, etc.) Simplus has coordinated with agencies such as the Los Angeles and Santa Ana Regional Water Boards, US Army Corps of Engineers, EPA, Los Angeles County Flood Control District and other local agencies to complete numerous watershed-related projects such as OC Public Works landfill related watershed restoration projects and The City of Long Beach’s Deforest Wetlands Restoration and Willow Springs Habitat Enhancement Project (all current). As a result, Simplus has extensive experience coordinating regional watershed projects that encompass needs similar to that of GWMA.

Prepare and/or manage preparation of project bid documents, plans and specifications. Being a preferred provider of project and construction management services, Simplus is a veteran preparer and manager of plans, specifications and cost estimates together with public agency bid documents. Our unique approach to project management (see Section 5 “Project Approach and Understanding”) demonstrates our experience with and thorough understanding of document preparation, management and submittal. Document management is an integrative part of our project and construction management services that emphasize the importance of proper record-keeping and documentation.

Grant Implementation Management. As part of our goal to make clients’ needs our highest priority, Simplus’ high-quality project management services include our ability to manage, regulate and protect grant funding. Our various wetlands projects, for example, receive funding from various sources such as Los Angeles Proposition A, California Resources Agency, SGAC and San Gabriel and Lower Los Angeles Rivers and Mountains Conservancy. Simplus’ experience with these types of grants demonstrate our ability to work diligently with clients to ensure projects are completed to grant specification and to minimize losses that would otherwise result from inadequate funding regulation.

GIS Mapping/Management. Geographic Information Systems (GIS) mapping and analysis have become an essential requirement by many public agencies and private sector companies. In response to growing demands for specialized data solutions, Simplus provides GIS services to help answer clients’ important data-centered questions and solve problems in ways that are quickly understood and easily shared.

Our GIS services include:

<ul style="list-style-type: none"> • Research and GIS Data Collection • Spatial and Non-Spatial Analysis • Database Development • Data Conversion, Migration, Manipulation, QA/QC 	<ul style="list-style-type: none"> • Geocoding and Geostatistics • Water, Oil, Gas and Pipeline Mapping • GIS Map Production • Intelligent PDF Maps including Database Info
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The following section provides Simplus discipline-specific experience for the five selected Scope of Work categories contained in the GWMA Request for Qualifications.

DESILTING AND DETENTION BASINS

Frank R. Bowerman Landfill – Irvine, California

- West Channel Realignment
- West Desilting Basin
- South Desilting Basin
- Wetlands Basin
- Crew's Quarters Desilting Basin



Olinda-Brea Landfill – Brea, California

- Desilting Basin A
- Desilting Basin B
- Desilting Basin C
- Desilting Basin D and Filter System

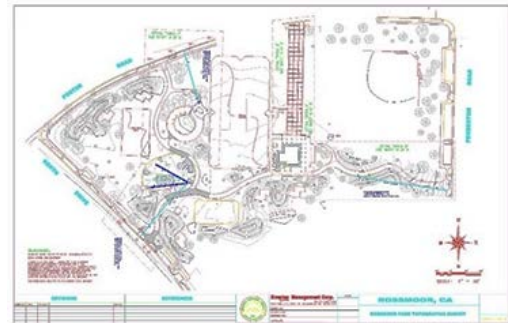


Willow Springs – Long Beach, California

- Upper Basin
- Middle Basin
- South Basin

Rossmoor Park – Seal Beach, California

- Retention of storm water.
- Obtain permits from local agencies or jurisdictions.
- Re-grade several park areas to eliminate flooding.
- Install drainage structures along sidewalks and sand covered play areas.
- Install sump pumps to assist drainage of low lying areas.
- Install Bioswales.

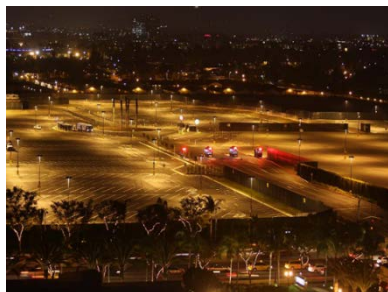


Disneyland Resort – Anaheim, California

28-acre surface parking lot, half consists of pervious asphalt paving. Surface water quality includes bioswales and collection and retention facilities for capturing storm water.

DeForest Wetlands Restoration Project – Long Beach, California

Chittick Field – Long Beach, California



DREDGING, WATER RECLAMATION AND MITIGATION

Queensway Bay – Phase I - Long Beach, California



Simplus managed construction of \$14.2M worth of harbor improvements for Phase I construction of the Downtown Harbor. Services included managing and coordinating the efforts of the general contractor, numerous subcontractors, City staff, permitting agencies (such as the **Los Angeles Regional Water Quality Control Board and the US Army Corps of Engineers**), utility companies, adjacent construction contractors and local business owners near the 50-acre site.

Golden Shore Marine Biological Reserve – Long Beach, California

The Golden Shore Marine Biological Reserve, is a tidal wetland habitat located at the mouth of the Los Angeles River in Long Beach Harbor. The project was completed as mitigation for the loss of habitat at the former Shoreline Lagoon, now known as Rainbow Harbor.



Golden Shore Reserve now serves as one of the major gateways to the Los Angeles River. The constructed sub and intertidal habitat areas, along with native landscaping, support a wide variety of fish fauna, reptiles and amphibians, avifauna and mammals.



As of August 2017, the LA Times has announced the new-found existence of a thriving green sea turtle colony Biological Reserve, believed to be a result of increased marine and habitat protection. Simplus is an avid supporter of environmental and marine health and hopes that their projects, like Golden Shore Reserve, will continue to positively impact local ecosystems.

Additional Dredging, Water Reclamation and Mitigations Project include:

Cabrillo Way Marina – Long Beach, California

Middle Harbor Container Facility – Long Beach, California

DeForest Wetlands Restoration – Long Beach, California

FRB Landfill South Wetlands Restoration and Mitigation Site – Irvine, California

Rossmoor Park – Seal Beach, California



- Retention of storm water.
- Obtain permits from local agencies or jurisdictions.
- Re-grade several park areas to eliminate flooding.
- Install drainage structures along sidewalks and sand covered play areas.
- Install sump pumps to assist drainage of low lying areas.
- Install Bioswales.

WATER RESOURCES DESIGN PS&E

Groundwater Treatment Plant Tank Replacements – Long Beach Water Department, California

Project engineer for preparation of plans and specifications for replacement of eight storage tanks at Long Beach Water Department Groundwater Treatment Plant for storage of sodium hydroxide, hydrofluosilicic acid, ammonium hydroxide and sodium hypochlorite.



Recycled Water Title 22 Engineer's Reports

Long Beach Water Department, California

Project engineer for preparation of Title 22 Engineer's reports for the following potable to recycled water conversions. Project locations include Bluff Park, Bixby Park and Bixby Park Annex, Stearns Park, Tucker Elementary School and Willow Street Irrigation.

Sewer Improvements in Wall, Pacific Coast Highway, Spring and California Street – Signal Hill, CA

Design of 12-inch sewer improvements in Caltrans Right-of-Way to accommodate increased sewage flows from new development. Design included traffic control plans for night construction on Pacific Coast Highway.

WETLANDS RECLAMATION AND RECHARGE

DeForest Wetlands Restoration - Long Beach, California

Simplus is managing the ecological restoration within the Los Angeles County Flood Control District's detention and storage basin at the DeForest Nature Center and a portion of the former Dominguez Groundwater Spreading Grounds. The work includes modifying earthwork, improving hydraulics regrade low flow channels, wetlands creation, control grade and habitat, including step pools and water control weirs, creating ephemeral "Vernal" pools, including pond liners, installing sycamore and oak specimen trees and other native plantings, hydro-seeding, and installation of irrigation system.



Willow Springs Wetlands Restoration - Long Beach, California

Wetlands restoration is a big part of the bigger picture when it comes to Willow Springs Park. The City recently received a major state grant of \$924,000, an Urban Greening for Sustainable Communities Program Grant, which was distributed by the Strategic Growth Council and funded by Proposition 84 to improve wetlands and increase accessibility. The grant money will be used for building trails, planting trees, and re-establishing native vegetation in the Willow Springs Wetland Project footprint, which is 12 acres.



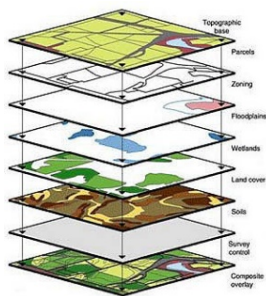
The Willow Springs Wetland project ultimately will feature an outdoor classroom site, and there will be a system of bioswales and ponding areas that will function to divert storm water and dry weather flows.

Project Elements:

- Storm Water Collection System
- Vegetated Bioswales
- Inlet Structure
- Habitat Planting
- Rip Rap Inlet Structures
- Storm Water Detention Basin
- Groundwater Infiltration Basin

The Office of Sustainability and Parks, Recreation and Marine partnered on this project to create a vision for the park that is truly sustainable. Park construction will use as much of the remaining infrastructure as possible, building on the history of the land as the original water source for the City.

GIS MAPPING, MANAGEMENT AND 3D MODELING



Geographic Information Systems (GIS) mapping and analysis have become an essential requirement by many public agencies and private sector companies. GIS helps answer many questions and solve problems by viewing layered data in a way that is quickly understood and easily shared

Recent Projects of Simplus' consulting staff Include:

LA Seismic Geophysical Consulting Services – Signal Hill, CA

Design and Development of ArcGIS Maps for 3D Seismic studies in California –
LA Seismic, LLC, CA

Signal Hill Petroleum – Signal Hill, CA

Oil and Gas Properties and Pipeline Database

Port of Long Beach – Long Beach, CA

Container Terminal Interactive Training

Port of Wilmington – Wilmington, NC

Mapping and 3D Photo Simulation of Auto Terminal

Primoris Service Corporation

Rock Creek Junction proposed Pipelines



Example GIS Image of Southern California Groundwater Basins

Section 3 – Client References

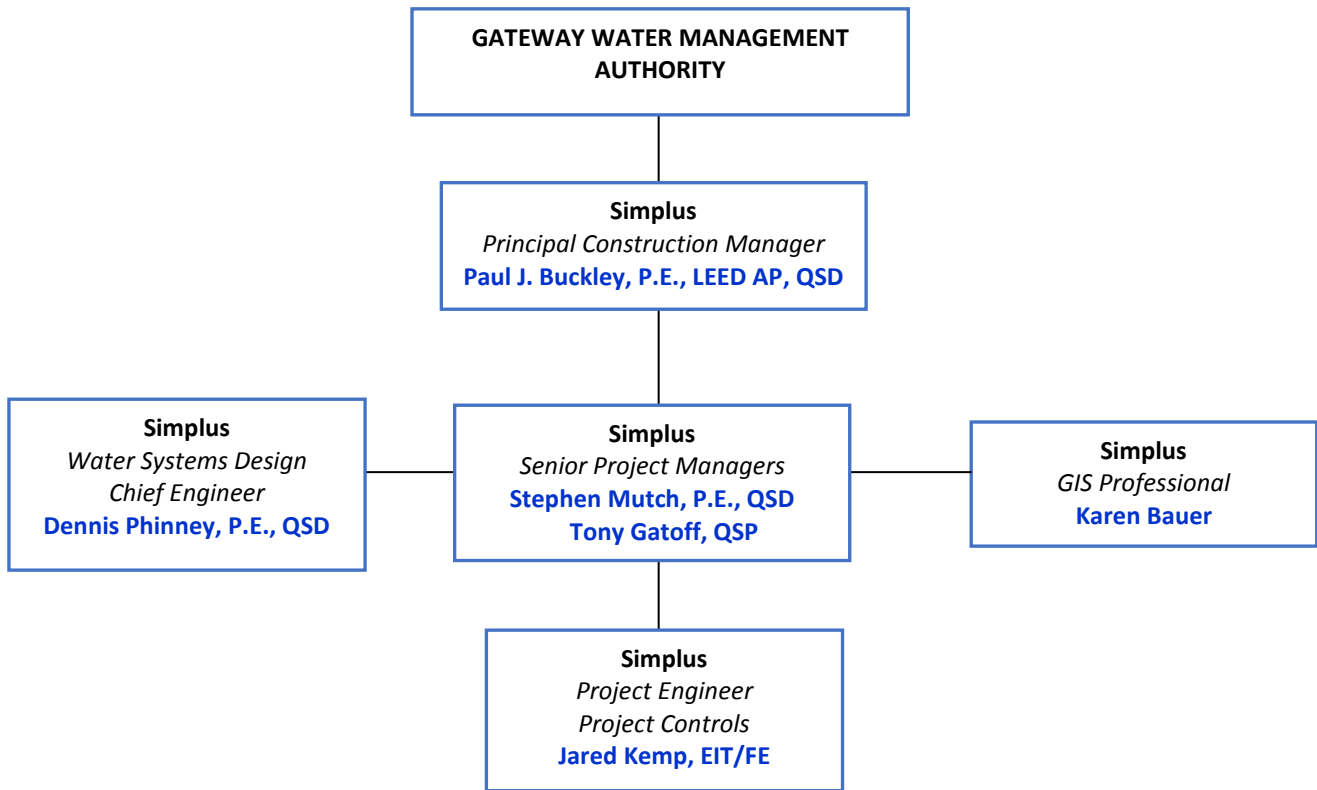
The table below provides several public agency references for past similar projects.

<i>Local Public Agency (Client)</i>	<i>Project Description</i>	<i>Project Completion Dates</i>	<i>References</i>
City of Signal Hill <ul style="list-style-type: none"> • LA RWQCB • NPDES • SWPPP 	Simplus provided program and construction management services for the design and construction of a new LEED-certified \$9.1M police station and emergency operations center located in Signal Hill. The project included replacement of water mains, sewer mains, and installation of methane mitigation barrier.	February 2012	Charlie Honeycutt City of Signal Hill (562) 989-7375 choneycutt@cityofsignalhill.org
Orange County Waste & Recycling <ul style="list-style-type: none"> • SD RWQC • EPA • NPDES • SWPPP 	The County of Orange selected Simplus for its third (3-year) on-call contract to manage construction at the OC Waste & Recycling Central Region Landfill in Irvine. Construction management projects included concrete retention basins, storm water channel construction, wetlands retention basins, leachate collection systems, drainage facilities, and erosion control devices. Additional projects included pump stations.	Ongoing	Jeff Southern OC Waste & Recycling (949) 551-7102 jeff.southern@ocwr.ocgov.com
Rossmoor Park <ul style="list-style-type: none"> • LA RWQCB • NPDES 	Project management, design and construction management of a 5-acre park to reduce flooding conditions in the Association.	March 2007	Henry Taboada Rossmoor Community Services Association (562) 430-3707
City of Long Beach <ul style="list-style-type: none"> • LA RWQCB • NPDES 	Simplus provided construction management services for the construction of a \$6.6M police station located in Scherer Park. The project included landscaping, greenbelts and recreational trails, roadway and water main improvements.	April 1998	Del Davis City of Long Beach (562) 570-6643 ddavis@longbeach.gov
Long Beach Harbor Department <ul style="list-style-type: none"> • NPDES • SWPPP • EPA 	Simplus provided construction management services for the construction of a \$43M Shore to Ship Power project at the Port of Long Beach, Pier A and Pier T. The project involved extensive environmental monitoring.	January 2013	Ramanjit Brar Port of Long Beach (562) 590-4172 brar@polb.com
Long Beach Water Department	Dennis Phinney (Simplus) provided numerous design contracts, including replacement of chemical storage tanks at Long Beach groundwater phases, prep of plans and specifications for in-situ pipeline replacement, storage tank retrofit, pump stations.	2000-2017	Abelardo Rendon Long Beach Water Department (562)-570-2341 ab.rendon@lbwater.org
City of Los Angeles Department of Public Works	Dennis Phinney (Simplus) provided numerous reviews of plans and design specifications prepared by internal staff and consultants. Assisted with the preparation of standard templates for County staff use.	2016-2017	Erik Updyke (626)458-4914

Section 4 – Project Team Staff Qualifications

Our Senior Project Managers and discipline managers are all production managers; doers rather than delegators. This management style, which focuses on direct involvement, also means that Simplus’ managers are concerned with the technical aspects of project/construction management and decision making. Managers will work very closely within our team and in concert with GWMA’s staff, so that all issues are addressed, coordinated and resolved expeditiously. Following is the proposed organization chart for On-Call Project Management.

Simplus Organization Chart



Project Support – On Call As Needed

Constructability Review, Bidability Review, Claims Analysis, Scheduling, Estimating, Contract Administration, SWPPP Compliance, Environmental/Regulatory Support, Systems Commissioning, Systems Analysis, Risk Analysis, Health & Safety, Labor Compliance, Construction Schedule Review, Quality Assurance, and As-Built Documents.

Paul J. Buckley, P.E., LEED AP, QSD – Principal Construction Manager

YEARS OF EXPERIENCE

- 32+

EDUCATION/CERTIFICATIONS

- B.S., Civil Engineering, New Jersey Institute of Technology
- A.S., Engineering Science, Middlesex County College
- LEED AP
- SWPPP QSD

REGISTRATIONS

- Registered Civil Engineer, California #52109
- Registered Civil Engineer, Arizona #20889

Affiliations

- Construction Management Association of America
- U.S. Green Building Council
- American Society of Civil Engineers

Qualifications Summary

Paul Buckley is President and co-founder of Simplus Management Corporation (Simplus). Mr. Buckley is an engineering professional with demonstrated ability to develop and implement program, project and construction management services and marketing strategies, while nurturing business partner loyalty and staff motivation, all which allow Simplus to differentiate itself in the market in terms of client satisfaction and repeat business. Mr. Buckley has more than 32 years of experience in providing professional engineering and construction management.

Representative Experience

Simplus, President – Construction Manager – 1996 to Present. Mr. Buckley is responsible for all technical aspects of program, project and construction management, including estimating and bidding, contract negotiations and supervision of field/production operations. Mr. Buckley is responsible for leading numerous multi-disciplinary teams of professionals to develop multi-million-dollar, multi-year programs and projects. Mr. Buckley's background includes schedule and budget control, supervision and general management implementation. He is familiar with engineering audits and

remediation, project certification, project planning, staff and client training, regulation and guideline preparation, public meeting organization and presentations.

Management Experience

Olinda Alpha Landfill, Brea, California. Mr. Buckley is the Principal Manager. The project includes management and quality assurance and control services for the Phase 1 Partial Final Closure of the front face of the landfill. The project involves approximately 69 acres of the front face of the landfill using an alternative evapotranspirative cover to be constructed with onsite stockpiled material. Management services include coordinating the efforts of general contractors, OCWR North Region staff, State and Federal regulatory agencies, design consultants, CQA consultants, and adjacent construction contractors.

Frank R. Bowerman Landfill, Orange County, California. Mr. Buckley is the Principal Manager. The project includes management, quality assurance and control, and archaeological/paleontological services for Phase VIII-C Excavation for Liner Construction, East Flank Landslide Remediation, Wetlands Basin Construction, West Channel Realignment, and East Canyon Excavation and Buttress Construction. Management services include coordinating the efforts of at least three concurrent general contractors, OCWR staff, State and Federal regulatory agencies, design consultants and CQA consultants.

Mr. Buckley provides high-level support, particularly in the areas of contractor claims management, resolution and contract administration.

Police Station and Library, Signal Hill, California. Project Manager for the design and construction of a new \$23 M police station and library program. The work includes grading, installation of sanitary sewer, water, gas and power utilities, construction of a dry well for water infiltration, buildings, asphalt paving, curb, gutter and sidewalks, street reconstruction, signage, striping, landscaping and irrigation.

Stephen Mutch, P.E., CCM, QSD – Senior Construction Manager

YEARS OF EXPERIENCE

- 30+

EDUCATION/CERTIFICATIONS

- B.S., Civil Engineering, California State University, Long Beach
- SWPPP QSD
- CCM

REGISTRATIONS

- Registered Civil Engineer, California #66757

Qualifications Summary

Mr. Stephen Mutch has more than 30 years of broad civil design and construction experience in surveying, civil design, project management, construction management, and contract administration for various types and sizes of public agency projects. His project experience includes work on public facilities and commercial and industrial buildings, parking structures, landfills, airports, drainage facilities, earthwork excavation and fill placement, landscaping and irrigation, paving, pump stations, retaining walls, street reconstruction, fuel facilities and utilities. During the past 15 years, he has focused his career on project and construction management as well as contract administration exclusively for public agency capital improvement projects.

Management Experience

Signal Hill Library, City of Signal Hill, California. Mr. Mutch is supporting the City’s Project Manager overseeing the design, bid and award phases of the Signal Hill Library project. Current responsibilities and tasks include:

- Finalizing bid packages for a methane mitigation barrier for the Library foundation.
- Finalizing bid package for new storm drain interceptor system crossing under new library site.

North Police Station, Long Beach, California. Resident Engineer of a new 22,000 square-foot police facility in an urban park setting. The work included design review of plans and specifications, coordinating construction activities with the local community and several City agencies, including the Parks, Recreation and Marine Department and the Long Beach Emergency Communications and Operations Center (911). The work included oversight for the design and construction of a storm drain system capable of handling 15 cfs flow.

Willow Springs Park Restoration, Long Beach, California. The project includes **1 acre of wetlands** and 10 acres of upland restoration. Willow Springs Park is a 48-acre, mostly undeveloped area. A little-known aspect of the Park is that it is the site of artesian springs that were tapped in 1881 to be the original water source of Long Beach during its founding as Willmore City.

The Office of Sustainability and Parks, Recreation and Marine partnered on this project to create a vision for the Park that is truly sustainable. Park construction is using as much of the remaining infrastructure as possible, building on the history of the land as the original water source for the City. Funding for this project comes largely from the Urban Greening for Sustainable Communities Grant Program, funded by the State of California Natural Resources Agency through Proposition 84. Mr. Mutch is expediting Park construction to protect the grant funding.

Tony Gatoff, QSP - Senior Construction Manager

YEARS OF EXPERIENCE

- 14+

EDUCATION/CERTIFICATIONS

- B.S., Construction Engineering Management, California State University, Long Beach (2003)
- QSP Certified
- ACI Tech 1

Qualifications Summary

Mr. Gatoff has 14 years of progressively responsible experience in construction management, including contract administration, project controls, oversight of construction activities, communication and coordination with owners, clients, architects and engineers, public agencies, utility agencies and contractors.

Mr. Gatoff has demonstrated an ability to carry out his technical procedures in an organized manner in order to achieve the project schedule, cost and technical performance objectives. His public

agency projects include police stations, fire stations, emergency communications and operations centers, parking facilities, street utilities, storm drain projects, airports and landfill programs.

Construction Management Experience

Frank R. Bowerman Landfill, Orange County, California. Mr. Gatoff is the Resident Construction Manager. The project includes construction management, quality assurance and control, and archaeological/paleontological services for Phase VIII-C Excavation for Liner Construction, East Flank Landslide Remediation, **Wetlands Basin Construction**, West Channel Realignment, and East Canyon Excavation and Buttrass Construction.

Mr. Gatoff is responsible for project control, including cost, schedule control and quality assurance. Mr. Gatoff submits for client approval all progress payments, contractor submittals, inspections, RFI's and change order requests, and conducts weekly CM meetings.

SP-9 Surface Parking Lot, Anaheim, CA, for the Disneyland Resort. Construction Manager for the construction of a \$6.7M surface parking lot. Responsibilities included construction management and contract administration. Work included the construction of an asphalt paved surface parking lot, covering 21.3 acres and consisting of approximately 1,700 new parking stalls. Approximately half of the lot was constructed with **porous asphalt** over a 13-inch section of porous rock. The other half was constructed with conventional asphalt over native. Work also included toll booth installation, pedestrian/bus shelters, bus traffic round-about for pedestrian pick-up and drop-off, themed signage, landscaping, irrigation, **bio-swales, sub-drains to swales**, as well as voice and data connectivity of toll booths and kiosks to the Resort. The project was completed on time and within budget.

McCarrell Canyon Storm Drain System at Rancho Palos Verdes, CA (5/2008–8/2009). Assistant Construction Manager for the construction of a \$6M storm drain system. The work included the construction of approximately 1,900 l.f. of open trench and 300 l.f. of jack and bore tunneling, welded and non-welded Permalok steel pipe, reinforced concrete pipe (RCP), various types of catch basins with and without filter inserts, wing-walls, inlet and outlet structures, velocity reducer rings for both steel pipe and RCP, manholes, junction structures, concrete collars, natural canyon grading, relocations and adjustments, various utility relocations and related removals, surface improvement replacements, traffic control and associated appurtenances.

Dennis Phinney, P.E. – Water Systems Design Chief Engineer

YEARS OF EXPERIENCE

- 40

EDUCATION/CERTIFICATIONS

- B.S. & M.S., Civil Engineering, Rensselaer Polytechnic Institute
- MBA Pepperdine University
- ISI Envision ENV SP Credential

REGISTRATIONS

- Registered Civil Engineer, California #30778
- Registered Mechanical Engineer, California #21533
- Professional Land Surveyor, Arizona #16595
- Professional Engineer – Civil, Arizona #15704

Qualifications Summary

Mr. Phinney's 40 years of engineering experience includes design of 75 pump or lift stations, 20 well facilities, 12 steel or concrete reservoirs, over 100 miles of pipelines, and 30 water or wastewater treatment facilities in California and Arizona.

He has prepared water and wastewater master plans for service areas with an aggregate population exceeding 1 million people, has performed post-earthquake structural evaluations, or retrofit designs on over 300 structures. He led task forces writing three sections of the 2015 Greenbook Standard Specifications for Public Works Construction, and authored 12 annual editions of an engineering reference book, the Code Finder for Building and Construction.

Having held positions from entry-level designer through principal engineer and owner of his own engineering consulting firm, **Mr. Phinney's specialty is the engineering of multidisciplinary water and wastewater projects encompassing civil, environmental, structural, and mechanical engineering.**

Experience in Water Systems Design

Groundwater Treatment Plant Tank Replacements, Long Beach Water Department, Long Beach, CA (2014-16). Project engineer for preparation of plans and specifications for replacement of eight storage tanks at Long Beach Water Department Groundwater Treatment Plant for storage of sodium hydroxide, hydrofluosilicic acid, ammonium hydroxide and sodium hypochlorite.

Recycled Water Title 22 Engineer's Reports, Long Beach Water Department, Long Beach, CA (2004-6). Project engineer for preparation of Title 22 Engineer's reports for the following potable to recycled water conversions. Project locations included Bluff Park, Bixby Park and Bixby Park Annex, Stearns Park, Tucker Elementary School, Willow Street Irrigation

Alamitos Reservoir Improvements, Long Beach Water Department, Long Beach, CA (2006). Project engineer for preparation of plans and specifications for roadway, site drainage, paving, fence, gate and slope stability improvements at the Alamitos Reservoir site. Prepared Storm Water Pollution Prevention Plan for construction phase.

Bluff Park, Bixby Park and Stearns Park Reclaimed Water Conversion Project, Long Beach Water Department, Long Beach, CA (2006). Project engineer for preparation of plans and specifications for construction of City of Long Beach potable water to reclaimed water irrigation service conversions.

Sewer Improvements in Spring Street and Olive Avenue, Signal Hill, CA. Design of 12-inch water improvements to accommodate new development.

Sewer Improvements in Wall Street, Pacific Coast Highway, Spring Street and California Street, Signal Hill, CA. Design of 12-inch sewer improvements in Caltrans Right-of-Way to accommodate increased sewage flows and new development. Design included traffic control plans for night construction in Pacific Coast Highway.

Karen Bauer, QSD – GIS Professional

YEARS OF EXPERIENCE

- 25+

EDUCATION/CERTIFICATIONS

- M.S., Civil Engineering, specializing in Graphic Information's Systems University of Colorado, Denver
- B.S., Civil Engineering, California State University, Long Beach

LICENSES/CERTIFICATIONS

- GISP Certified
- Advanced AutoCad Intergraph MicroStation Certification
- AutoDesk 3D Studio Certification

TECHNICAL SKILLS

- ArcGIS 10.1
- ArcInfo Civil 3D
- 3D Studio MAX

Qualifications Summary

Ms. Bauer has over 25 years of Geographic Information Systems, 3D Computer Modeling, Engineering AutoCAD and MicroStation design within the civil, water resources, transportation, structural and coastal engineering disciplines along with fourteen years of website and database development experience.

Relevant GIS Project Experience

Contract GIS Analyst and 3D Visualization Specialist (2009-Present). GIS consulting services have been provided to Simplus, Signal Hill Petroleum, LA Seismic, LLC., Primoris, Parsons Transportation, Wolcott LLC, Moffatt & Nichol, Occidental Petroleum, Rock Creek Junction, OnQuest, Junction Pipeline Company LLC., Princeton University and Port of Long Beach.

Projects have required analysis and development of GIS maps using:

- ✓ ArcGIS 10.1
- ✓ Post GIS/PostgreSQL
- ✓ QGIS for engineering, water, pipeline, oil gas and seismic disciplines.

- Research includes data from local, state and federal levels. Data acquisition and conversion of information from state, federal, local government and private websites along with evaluating metadata for usability.
- Developing and maintaining relational databases, including spatial and non-spatial features.
- Vector and raster data analysis, performing spatial referencing, plotting via metes and bounds, bearing and distance descriptions, pipeline plotting and alignment sheets, geocoding, developing model builder macros, interpolation of data using Kriging, setting up data-driven pages for high volume mapping and design of final maps for presentation and printing.

Jared R. Kemp, EIT, QSP – Project Engineer

Years of Experience

- 8+

Education/Certification

- B.S., Civil Engineering, California State Polytechnic University, Pomona
- OSHA 40-Hour Hazwoper
- QSP #22626

Registrations

- Engineer-In-Training/FE, CA

Qualifications Summary

Mr. Kemp has eight years of experience performing construction management, assistant construction management, field office engineering and inspection services on public infrastructure construction projects. Mr. Kemp began his career as a land survey technician performing topographic surveys, construction staking, construction monitoring, and all other facets of the land surveying profession. Mr. Kemp has also performed civil design work. Mr. Kemp has extensive experience in earthwork excavation, including import borrow material, erosion control (SWPPP and BMP's), and storm water control facilities, including channels and drainage systems. Mr. Kemp is proficient in the use of Primavera Contract Manager and Oracle Unifier, and has a strong background in project management budget and schedule control. He is also proficient with AutoCad, Civil 3D, Microsoft Office and Primavera P6 CPM scheduling.

Construction Management Projects

Two New Fireboats for Fireboat Stations 15 and 20, Port of Long Beach, CA (2012-Current). Project Engineer and Port Liaison for the construction of two new 108-foot fireboats to provide a platform for countering the threat of natural and man-made hazards. Mr. Kemp's responsibilities include CPM schedule review, monitoring, estimating, inspection, constructability reviews, processing and review of submittals, RFI's, progress payments, change order requests, meeting minutes, notices, document control, claims management, dispute resolution, permit/environmental and regulatory support, Project Labor Agreement compliance and systems commissioning. The project includes extensive coordination and communication with the Port, City of Long Beach Fire Department, shipbuilding contractor and numerous subcontractors, naval architects and design consultants, U.S. Coast Guard, and federal and state regulatory agencies, including Department of Homeland Security Grant documentation and compliance.

Signal Hill Police Station and Emergency Operations Center, Signal Hill, CA (2010-2012). Assistant Construction Manager and Field Office Engineer for the construction of a 22,500 s.f. police station and emergency operations center. The responsibilities included contract administration, processing progress payments, review and process of contractor submittals, RFI's and change orders, conducting meetings, daily site inspections, SWPPP inspections, and coordination with multiple jurisdictions, general contractor and A-E firms.

Santiago Canyon Landfill Bench Paving and Storm Water Improvements, County of Orange, CA (2008). Field Office Engineer for a bench paving and storm water improvements project. Storm water improvements included construction of splash walls, reinforced concrete headwalls and all-weather access aggregate roadways on the top deck, reconstruction of drainage systems, grubbing and clearing and re-vegetation. The responsibilities included contract administration, cost and schedule control, processing progress payments, contractor submittals, RFI's and change orders, conducting weekly meetings and coordination with the County, multiple jurisdictional agencies and A-E firms.

Section 5 – Project Approach and Understanding

General

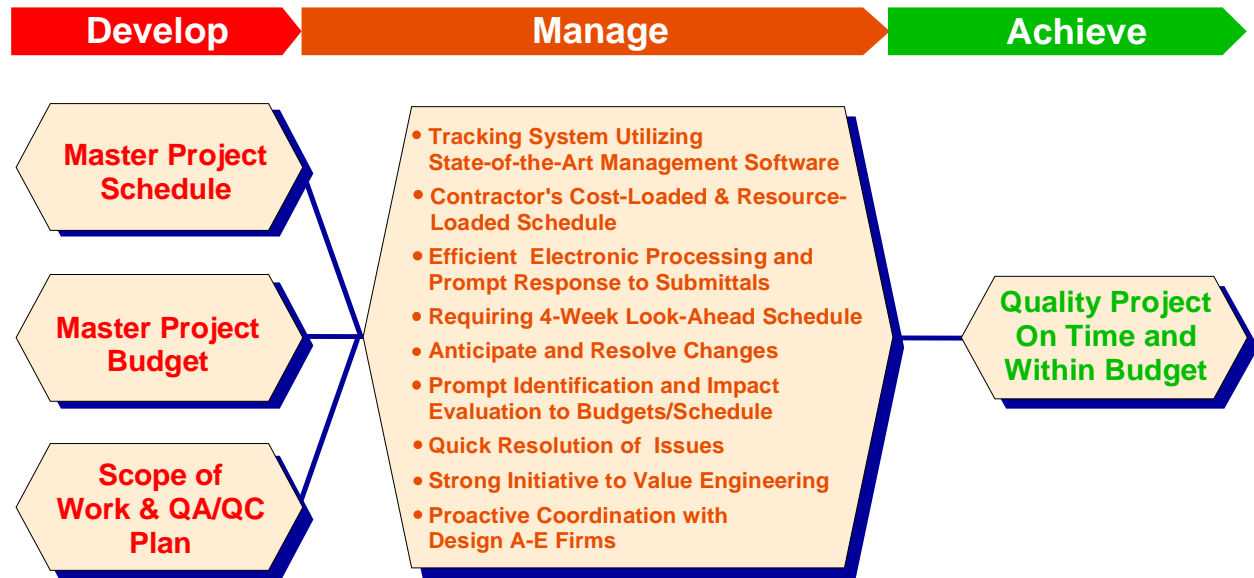
A successful project is achieved by fostering good relationships between project team members, including the Project Manager/Construction Management (PM/CM) consultant, Design A/E firm(s), and the contractor. The PM/CM's most important roles are establishing good relationships with all team members, creating efficient chains of communication and ensuring that all parties are treated fairly and with respect. When the PM/CM accomplishes these goals, all parties will work creatively together as one "project team" to ensure that the proposed projects are constructed to the required quality standards both safely and economically. Before the PM/CM can begin to accomplish these goals, the PM/CM must first understand the viewpoints of GWMA, but also, just as importantly, the viewpoints of the Design A/E firm(s) and the contractors. The PM/CM must have the ability to *analyze critical situations from all viewpoints* and work with the project team to develop the best solution.

Simplus approaches contract administration with a very unique style. One that is directed towards efficiency, value engineering, risk analysis, assessment and mitigation early in the project stage. While always focused on being proactive and extremely responsive, Simplus continues to set higher PM/CM standards on each new project. By combining an assertive attitude, practical field knowledge and in-depth understanding of scheduling and cost control with the latest state-of-the-art information technology, Simplus continues to impress present and past clients.

Our standard contract administration procedures include complete scanning, logging, electronic filing and electronic distribution of all documentation. The use of this information technology makes standard PM/CM practices extremely efficient by reducing the processing, review and response times for general correspondence, submittals, RFI's, meeting minutes, project photos, daily reports and monthly reports. Critical project information is uploaded to a project website where it can be easily downloaded at the convenience of the owner. Our standard PM/CM requirements often include the contractor to submit cost-loaded and resource-loaded schedules as well as 4-week look-ahead schedules. These and other requirements have raised the "performance bar" for the contractors and have heightened their awareness to submit quality documentation. It highly encourages contractors to plan, analyze and focus on the construction phasing and sequencing of work. When contractors plan their work ahead, they are better prepared, are more efficient and provide a higher-end product. Their reasoning for submitting any request for change order must be sound to be considered by the PM/CM.

Simplus will perform contract administration and construction management during the development of the construction contract documents, bidding and pre-construction activities, construction phase, and post-construction period in accordance with Public Works Code and establish and implement coordination procedures between GWMA and the Design A/E and or contractor.

A flow chart of Simplus' approach to achieve quality projects on time and within budget is illustrated below:



Project Control

Our project control system is based on the belief that comprehensive documentation of all aspects of the project will maintain accountability of the program/construction management team, the Design A/E firm(s), contractors and GWMA's Project Managers. Professional service-oriented program and construction managers know that comprehensive documentation on each project is the best technique available for avoiding and defending against change orders and claims, controlling time, cost and quality. Project controls will ensure that GWMA receives a successful project.

Each GWMA assignment offered to Simplus will be tied to a remote server, which is backed up daily for security purposes. The remote server hosts all project data and the project control software, Primavera Contract Manager, as well as standard reference material. The remote server enables all project staff the ability to access all project data from any location that has an internet connection.

By accessing the remote server, the project team has access to Contract Manager, the project control software that enables Simplus' staff to document, track and log all project information. The Simplus staff will access the following modules to control the project:

- **Project Information:** This module allows the documentation and tracking of the project number, project title, key parties, contract dates, contract information, critical project issues, and links to the CPM schedule.
- **Communication:** This module allows the documentation and tracking of transmittals, RFI's, notices, non-compliance notices, letters, correspondence (sent and received), meeting minutes, telephone records and safety records.
- **Contracts:** This module allows the documentation and tracking of cost worksheets, budgets, purchase orders, payment requisitions, change management, proposals and change orders.
- **Logs:** This module allows the documentation and tracking of drawing sets, drawings, submittal packages and submittals, materials, daily reports, insurance certificates and punch lists.

Primavera P6 will be utilized for development, review and tracking of project CPM schedules. The Simplus team strongly recommends GWMA’s future construction project specifications require the contractor to submit a cost-loaded and resource-loaded schedule. This requirement urges the contractor to thoroughly plan the project and identify up front the manpower, equipment and material anticipated to be used in successfully completing the project as well as the associated costs. The costs are then tied back to each bid item. This requirement prevents the contractor from front loading bid items and helps defend against change orders and requests for time extensions by collecting, organizing and evaluating factual information.

Establish Tracking Control Systems

Our PM/CM team has developed and implemented a unique and efficient Management Information System (MIS) for contract administration and control on our past and current projects. The systems proposed for these projects include the following documentation software and frequency of generating that documentation.

<i>Item</i>	<i>Method</i>	<i>Frequency</i>
Master Project Schedule	Primavera P6	Monthly
4-Week Look-Ahead Schedule	Primavera P6	Weekly
Correspondence	Contract Manager/MS Word	Daily
Correspondence Backup & Retrieval	Adobe Acrobat/ Contract Manager/Tapes	Daily
Submittals, RFI’s, RFP’s	Contract Manager/MS Excel Logs	Daily
Meeting Minutes	Contract Manager	Each Meeting
Master Project Budget	Contract Manager/MS Excel	Monthly
Progress Payments	Customized Contract Manager Forms	Monthly
Survey Request Log	Indexed and Logged	As Needed
Change Order Processing	Client Forms and Contract Manager	Monthly
Time & Material Work	MS Excel T&M Logs	Daily
Daily Reports and Diary	Contract Manager and Website	Daily
As-Built Drawings	Reviewed and Logged	Monthly
Photo & Video	Digital Cameras/Website	Photo Daily/Video Existing Conditions & Critical Activities
Contractor/Vendor/Visitors	Logged and Documented	Each Occurrence
Labor Compliance Reports	Logged and Tracked	Weekly



Public Agency Experience

Simplus' experience in project management has been utilized by public agencies with projects similar to that of GWMA's abridged list of projects in, or in close proximity to, the Gateway Region (Appendix H), including waterways, storm water control and public facilities projects. Simplus will perform all required services with in-house staff. This SOQ does not include the use of sub-consultants. Simplus has been providing program and project management and oversight services as the owner's representative on a regular basis in Southern California since 1996 and is very familiar with working conditions within Southern California municipalities, counties, special districts and agencies. Simplus' key staff has excellent knowledge of American Public Works Association Standards, Underground Construction Standards, NPDES, Greenbook, CalOSHA, environmental, safety and construction laws, and the California Manual on Uniform Traffic Control Devices. Simplus understands GWMA's member agencies permit requirements and has established working relationships with other public agencies that may have jurisdictional approval authority or input over GWMA's projects, i.e., SCAQMD, RWQCB, and US Army Corps of Engineers.

Simplus has sufficient staff available with the experience in all disciplines required for the discipline we are proposing. Simplus has provided project management services for capital improvement projects exclusively for municipal agencies in Southern California. Many of these projects are for the same clients. Repeat work with the same client clearly shows Simplus' ability to perform the work, satisfy clients and exceed expectations on multiple projects similar in scope as outlined in GWMA's Scope of Services.

Section 6 – Billing Rate Schedule

<i>Professional Classification</i>	<i>\$/Hour</i>
Principal-In-Charge	\$205
Senior Project Manager	\$189
Project Manager	\$178
Senior Project Engineer	\$189
Design Engineer Grade 3	\$187
Design Engineer Grade 2	\$161
Design Engineer Grade 1	\$126
Designer 1	\$135
Designer 2	\$113
Designer 3	\$110
CAD Manager	\$130
CAD Lead Technician	\$115
CAD Technician	\$95
Lead Inspector	\$150
Inspector	\$134
Scheduler	\$166
Estimator	\$166
Project Assistant/Administration	\$88

Notes:

1. These labor rates are all inclusive, including hourly base rate, fringe benefits, overhead, general and administrative and profit.
2. The following items are included in the rates listed above: in-house reproduction, fax, home office supplies, travel between the home office and project site.
3. Reimbursable expenses will be billed at a cost + 5%
4. Deputy Inspector, Inspector and Assistant/Administrative rates will be increased for overtime as provided for in California Department of Industrial Relations.
5. These rates will be valid for August 1, 2017 to July 31, 2020.

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 Paramount, CA 90723
 562.663.6850 phone
 562-634-8216 fax

www.gatewaywater.org



*Los Angeles Gateway Region
 Integrated Regional Water Management
 Joint Powers Authority*

November 9, 2017

SECTION NO. 9: DISCUSSION/ACTION REGARDING REQUEST FOR PROPOSAL FOR CATCH BASIN CLEANING

SUMMARY:

At the last GWMA Board Meeting on October 12, 2017, Ms. Kast reported to the Board that three (3) Notice Inviting Sealed Bids for Catch Basin Cleaning had been received. The sealed bids were opened on September 21, 2017 at 12:00 p.m. The three bids were from Ron's Maintenance, Inc., United Storm Water, Inc. and Nationwide Environmental Services.

A protest letter was received from United Storm regarding the types of licenses to conduct the work. After thorough review by staff, legal counsel and engineers, it was recommended to the Board that all three bids be rejected in order to conduct the entire process again. It was further recommended that the process for these services be conducted as a Request for Proposal ("RFP") rather than a Notice Inviting Bids, since the work to be done was for cleaning services only.

After discussion, the Board moved to accept Ms. Kast's recommendation and to issue an RFP as a 10-day process and bring the results back to the Board for approval. The RFP was issued on Tuesday, October 23, 2017, through well-known electronic media, as well as email and posting to GWMA's website. The deadline for questions was Wednesday, October 25th at 5:00 pm. Staff received one question from Ron's Maintenance and the Question & Answer was posted through the same process as mentioned before, on October 25th. The deadline to receive Proposals was Monday, October 30 at 11:00 AM.

On October 30th, three (3) Proposals were received and opened at the GWMA headquarters by GWMA staff, which were from Nationwide Environmental Services, Ron's Maintenance, and United Stormwater. After careful review, 3 of 3 proposals were deemed responsive to GWMA's requirements (see Willdan Engineering Proposal Analysis attached).

Staff is recommending that the board authorize staff to receive and file the Proposals and to distribute the entire Request for Proposal package with Willdan Engineering's Proposal Analysis to assist cities with their respective selection. GWMA will not be making recommendations to Gateway Region Cities regarding proposals.

Christopher Cash (Paramount), Board Chair • Adriana Figueroa (Norwalk), Vice-Chair • Kelli Tunnicliff (Signal Hill), Secretary/Treasurer
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Members: Artesia · Avalon · Bell · Bell Gardens · Bellflower · Central Basin Municipal Water District · Cerritos · Commerce · Cudahy · Downey · Hawaiian Gardens · Huntington Park · La Mirada · Maywood · Lakewood · Long Beach · Long Beach Water Department · Lynwood · Montebello · Norwalk · Paramount · Pico Rivera · Pico Water District · Santa Fe Springs · Signal Hill · South Gate · Vernon · Water Replenishment District of Southern California · Whittier

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FISCAL IMPACT:

None.

RECOMMENDATION:

- a. Receive and File Proposals and direct staff to distribute the complete Request for Proposal Package to each of the Gateway Region Cities with no proposal recommendation.

Christopher Cash (Paramount), Board Chair • Adriana Figueroa (Norwalk), Vice-Chair • Kelli Tunnicliff (Signal Hill), Secretary/Treasurer
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MEMORANDUM

To: Ms. Toni Penn

From: Elroy Kiepke

Date: October 31, 2017

Subject: Analysis of Proposals Received for the Catch Basin Cleaning

Ms. Penn, as requested I have reviewed the three proposals submitted on October 30, 2017 for the second request to obtain responses for Catch Basin Cleaning. Proposals were submitted by Ron's Maintenance, United Stormwater and Nationwide Environmental Services. All proposals meet the qualifications required for the work and the proposals were reasonably grouped. There were differences in the scopes of services as I will mention below.

Ron's Maintenance proposed \$16 per modified catch basins and \$13 for unmodified basins for a total proposal amount of \$203,394. Ron's services are a manual cleaning of catch basins. The City is provided with a total weight for trash removed at the end of the cleaning.

United Stormwater proposed \$30 per catch basin modified or unmodified which came to a proposal amount of \$400,140. United's proposal was based on a Vactor truck cleaning with all personnel trained in confined space entry. United's proposal did not include disposal of the removed trash, leaving that responsibility to the City unless their fee is adjusted to deal with trash disposal.

Nationwide Environmental Services proposed a uniform \$36 per catch basin modified or unmodified which came to a proposal amount of \$480,168. It was unclear if the basins were to be cleaned with Vactor equipment, because it was not stated in the proposal.

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GATEWAY WATER MANAGEMENT AUTHORITY

REQUEST FOR PROPOSALS FOR

MUNICIPAL STORM SEWER CATCH BASIN CLEANING PROPOSAL

Public notice is hereby given that The Los Angeles Gateway Region Integrated Regional Water Management Joint Powers Authority ("Gateway Water Management Authority" or "GWMA") invites proposals for the above-stated project and will receive such proposals via email to: bibiweiss.gateway@gmail.com or via hard copy in the office of the Gateway Water Management Authority, 16401 Paramount Blvd., CA 90723 up to the hour of Monday, October 30, 2017 at 11:00 AM.

The description of work to be done is available at the offices of the Gateway Water Management Authority at 16401 Paramount Blvd., Paramount, CA 90723 or upon written request via e-mail. Direct your request to Bibi Weiss at bibiweiss.gateway@gmail.com with the subject line, "Request for Instructions and Description of Work to be Done for MSS Catch Basin Cleaning Proposal". E-mail requests without such subject line may not receive the requested information.

This is a catch basin cleaning proposal which does not require a Contractor's License or prevailing wage payments as determined by the Department of Industrial Relation (DIR) pursuant to DIR opinion PW 2005-014 (Sediment Removal from Storm Drains – California Department of Transportation). No maintenance work as provided in California Labor Code Section 1771 nor any other work requiring the payment of prevailing wages shall be performed under the contract or contracts entered into pursuant to this solicitation.

Please note this is not a low bid solicitation and each individual municipality may decide to enter into a contract with one or more of the Companies or can negotiate prices with any Company or chose another Company altogether.

Proposals must be prepared in conformance with the Instructions to Proposers
The GWMA reserves the rights to reject any or all proposals, to waive any irregularity in any proposals, and to take all proposals under advisement for a period of 30 days.

Christopher Cash (Paramount), Board Chair • Adriana Figueroa (Norwalk), Vice-Chair • Kelli Tunnicliff (Signal Hill), Secretary/Treasurer
Proudly serving Gateway cities and agencies in Southeastern Los Angeles County

Members: Artesia · Avalon · Bell · Bell Gardens · Bellflower · Central Basin Municipal Water District · Cerritos · Commerce · Cudahy · Downey · Hawaiian Gardens · Huntington Park · La Mirada · Maywood · Lakewood · Long Beach · Long Beach Water Department · Lynwood · Montebello · Norwalk · Paramount · Pico Rivera · Pico Water District · Santa Fe Springs · Signal Hill · South Gate · Vernon · Water Replenishment District of Southern California · Whittier

With Technical Support From The Sanitation Districts Of Los Angeles County

**GATEWAY WATER MANAGEMENT AUTHORITY
MUNICIPAL STORM SEWER CATCH BASIN CLEANING PROPOSAL**

DESCRIPTION OF WORK TO BE DONE

The Los Angeles Gateway Region Integrated Regional Water Management Joint Powers Authority (“Gateway Water Management Authority” or “GWMA”) is a coalition of 26 public agencies responsible for the regional water planning needs of 2 million people in the Gateway Region of Southeast Los Angeles County.

In 2009, the Gateway Water Management Authority was awarded \$10,000,000 stimulus grant through the America Reinvestment and Recovery Act (ARRA) to retrofit over 10,000 catch basins in 16 cities tributary to the Los Angeles River to meet Trash Total Maximum Daily Load (TMDL) targets.

The Gateway Water Management Authority is now seeking proposals for cleaning of catch basins within the entire Gateway Region (Los Angeles River and San Gabriel River tributaries). The Gateway Region is comprised of the following municipalities: the cities of Artesia, Bell, Bell Gardens, Cerritos, Commerce, Compton, Cudahy, Downey, Hawaiian Gardens, Huntington Park, La Habra Heights, La Mirada, Lakewood, Long Beach, Lynwood, Maywood, Montebello, Norwalk, Paramount, Pico Rivera, Santa Fe Springs, Signal Hill, South Gate, Vernon, and Whittier. All, some, or none of the municipalities within the Gateway Region may accept a proposer’s pricing and terms. Individual municipalities may also negotiate terms with any proposer. The maximum total number of catch basins, if all municipalities enter into contracts (“The Contracting Agencies”), is estimated at between 14,000 and 18,000. The Gateway Water Management Authority will not enter into a contract for this work.

Each proposer whose proposal is accepted will be required to clean catch basins with connector pipe screens (CPS) and/or automatic retractable screens (ARS) and unmodified catch basins in accordance with the agreements entered into with the individual Contracting Agencies. Each Contracting Agency has a varying number of catch basins; therefore, proposals shall be made on a per catch basin basis and will remain in effect for **3 years** from the date of acceptance.

Contract Work (the cleaning of catch basins owned by the Contracting Agencies):

Each successful proposer (“Company”) shall inspect and clear all debris in catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract a minimum of one time between May 1 and September 30 of each year. In addition, the Company shall perform one inspection of all catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract during the months of October, January, and April. The Company shall immediately clean any catch basin sumps found to have a blocked screened inlet, screened outlet, or be at least forty percent (40%) full of trash and debris. The Company shall not perform repair, maintenance or other work that would require a Contractor’s License or the payment of prevailing wages. The Company shall report to the appropriate Contracting Agency any damaged catch basin screens and missing stenciling requirements. The Company shall report evidence of rodents and/or vectors breeding/living in the storm drain system to the appropriate Contracting Agencies within twenty-four (24) hours of discovery.

The Company shall take a photo documenting the before and after conditions of all debris cleaning, from the same vantage points, in an amount not less than five (5) of each condition. All photos

shall be at least 4 megapixel (MP) in quality, in peg (.jpg) format, and submitted with the invoice to the appropriate Contracting Agency.

Proposed pricing shall be submitted for each type of catch basin and shall include costs to clean each type for a twelve-month period including inspections and debris removal, as specified. The appropriate Contracting Agency will pay the Company for each of the required inspections and cleanings based on the Company's proposal or such other terms to which the Contracting Agency Company shall otherwise agree. Requests for payment shall be submitted to the appropriate Contracting Agency upon completion of each of the four required inspections and cleanings. The Contracting Agency may request additional cleanings based on the Company proposal.

The following tables are an approximate total of catch basins that the municipalities own and are responsible for. If the Contracting Agencies sign contracts based on this proposal, the awarding Companies are advised to work with the appropriate Contracting Agencies to arrive at an accurate and complete list of catch basins within the appropriate Contracting Agencies.

City Catch basins – San Gabriel River Watershed Catch Basins:

Artesia	0
Bellflower	125
Cerritos	344
Hawaiian Gardens	49
La Habra Heights	27
La Mirada	221
Lakewood	90
Long Beach	3
Norwalk	55
Paramount	58
Pico Rivera	83
Santa Fe Springs	312
Signal Hill	12
Whittier	59
Total	1488

Current Gateway Cities Los Angeles River Watershed Catch Basins:

	<u>ARS CB</u>	<u>CPS CB</u>	<u>Unmodified CB</u>
Long Beach	1130	2691	750
Vernon	13	848	46
Compton	854	1145	99
Commerce	320	545	115
South Gate	499	682	59
Montebello	881	919	135
Bell Gardens	154	248	25
Downey	76	395	43
Huntington Park	284	442	37
Lynwood	359	579	14
Paramount	229	320	
Bell	137	238	
Maywood	116	151	
Signal Hill	114	139	

Cudahy	105	130	
Pico Rivera	47	56	
Lakewood	2	2	4
Total	4452	9530	1327

Gateway Water Management Authority

INSTRUCTIONS TO PROPOSERS
FOR

MUNICIPAL STORM SEWER CATCH BASIN CLEANING PROPOSAL

Cover Letter (to be attached to the front of the Proposal Packet):

- Introduce your company and summarize your proposal in the cover letter. Describe your understanding of the Description of Work (DOC) as well as your general approach. Include the name and telephone number of the person who is completely familiar with the proposal.
- The proposal cover letter shall be signed by an official authorized to bind the proposer (Company) contractually.

• Proposer (Company) Information

- Owner's full name and address and year company was founded

General Requirements:

- Names of subsidiaries or parent company, if applicable
- Names of company owners and senior management team
- Resumes of proposed individuals that shall participate in providing services, including their title and years of experience.
- List references for at least 3 different catch basin cleaning projects.

Note: Contractor's License and Prevailing Wage Determination are not required for this Cleaning Catch Basin Contract as described in the Request for Proposals.

Minimum Qualifications:

- 3 years' experience of catch basin cleaning services.

A proposer's failure to provide proof of meeting the minimum qualifications shall result in an immediate rejection of the proposal.

Examination of Documents:

By submitting a proposal, the proposer represents that it has thoroughly examined and become familiar with the work required under this request for proposals, and that it is capable of performing quality work within the established schedule to achieve the objectives of the Contracting Agencies Management Authority as specified in this request for proposals. All proposers are required to comply with all of the provisions of this request for proposals. By submitting a bid, each proposer agrees to perform the required work at not more than the price quoted.

Addenda:

If the Executive Officer, in the Executive Officer's sole discretion, believes there is a need for clarification, the Executive Officer will issue an Addendum to all prospective proposers. The Gateway Water Management Authority shall make any changes to the requirements of this request for proposals by written addenda only. Changes to the proposal will be posted on the Gateway Water Management Authority's website (www.gatewaywater.org).

Clarifications:

Should a proposer have questions about this request for proposals or require clarifications or comments, the proposer shall notify the Gateway Water Management Authority via email ONLY. All questions or requests for clarifications and/or comments submitted shall be clearly labeled "Written Questions," and e-mailed to Bibi Weiss at bibiweiss.gateway@gmail.com with the email subject line "MSS Catch Basin Cleaning Proposal – Written Questions." All questions or requests for clarifications and/or comments must be received by the Gateway Water Management Authority no later than October 25, 2017 at 5:00 p.m. The Gateway Water Management Authority shall not be responsible for failure to respond to a question or request for clarification and/or comment that has not been properly labeled.

Additional Information Regarding this Request for Proposal:

For further information regarding this request for proposals, proposers may contact Bibi Weiss at bibiweiss.gateway@gmail.com.

Last Day to Receive Proposals:

Proposals must be received by GWMA at or before October 30, at 11 a.m., Pacific Standard Time (PST). Any proposal received after the date and time specified above will be rejected, considered non-responsive, and returned to the proposer(s).

Submission of Proposals:

Proposals shall be addressed as follows:

Gateway Water Management Authority
Attn: Bibi Weiss
REQUEST FOR PROPOSAL FOR MSS CATCH BASIN CLEANING
16401 Paramount Blvd.
Paramount, CA 90723

Proposers may submit a hard copy of their proposal document, addressed as shown above, bearing the proposers' names and addresses or via email addressed to bibiweiss.gateway@gmail.com. Hard copy proposals may be mailed or delivered by messenger. However, it is the proposer's responsibility alone to ensure delivery of the proposal, whether a hard copy or an e-mail, to the Gateway Water Management Authority office at the address listed above by the deadline provided in this document. Late proposals will not be considered.

Acceptance of Proposals:

The Gateway Water Management Authority reserves the right to accept or reject any and all proposals, or any item or part thereof, or to waive any informalities or irregularities in a proposal.

GWMA reserves the right to withdraw this request for proposals at any time without prior notice, and GWMA makes no representations that any contract will be awarded to any proposer responding to this request for proposals by any of the municipalities. The municipalities reserve the right to contract with other entities for catch-basin cleaning services. GWMA reserves the right to postpone for its own convenience the date for receipt of the proposals. The Gateway Water Management Authority reserves the right to modify the schedule.

Pre-Contractual Expenses:

The Gateway Water Management Authority shall not pay or reimburse proposers for expenses incurred by any proposer in order to submit a proposal, including but not limited to those identified below:

1. Submitting a proposal to the Gateway Water Management Authority; and/or
2. Any other expenses incurred by proposer prior to the date of execution of contract documents constituting the agreement between the proposer and any of the Contracting Parties.

GATEWAY AUTHORITY
MUNICIPAL STORM SEWER CATCH BASIN CLEANING
CATCH BASIN CLEANING PROPOSAL FORM

Company Name and Address: _____

Company: _____

Proposal pricing shall be based on a per catch basin costs and shall include the following work to be performed:

Each Company shall inspect and clear all debris in catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract a minimum of one time between May 1 and September 30 of each year. In addition, the Company shall perform one inspection of all catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract during the months of October, January, and April. The Company shall immediately clean any catch basin sumps found to have a blocked screened inlet, screened outlet, or be at least forty percent (40%) full of trash and debris. The Company shall not perform repair, maintenance or other work that would require a Contractor's License or the payment of prevailing wages. The Company shall report to the appropriate Contracting Agency any damaged catch basin screens and missing stenciling requirements. The Company shall report evidence of rodents and/or vectors breeding/living in the storm drain system to the appropriate Contracting Agencies within twenty-four (24) hours of discovery.

The Company shall take a photo documenting the before and after conditions of all debris cleaning, from the same vantage points, in an amount not less than five (5) of each condition. All photos shall be at least 4 megapixel (MP) in quality, in jpeg (.jpg) format, and submitted with the invoice to the appropriate Contracting Agency.

Proposal prices shall be guaranteed.

	Unit Price	# of CB	Extended Price
ARS Catch Basin ...	\$_____ each	1000	\$_____
CPS Catch Basin ...	\$_____ each	5000	\$_____
ARS & CPS Catch Basin ...	\$_____ each	4000	\$_____
Non-retrofitted Catch Basin ...	\$_____ each	3338	\$_____
	TOTAL		\$_____

Authorized Signature

Date

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*Los Angeles Gateway Region
Integrated Regional Water Management
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**Catch Basin Maintenance
Questions and Answers
10/25/17**

Question – The Request for Proposal states “the Company shall immediately clean any catch basin sumps found to have a blocked screened inlet, screened outlet, or be at least forty (40%) full of trash debris.” However, the Los Angeles MS4 Permit Order indicates that “any catch basin that is determined to be at least 25% full of trash shall be cleaned out” Please clarify which standard should be followed by the Contractor/Company.

Answer – After review, please use the standards set forth in the Los Angeles MS4 Permit Order R4-2-12-0175 VI.9.h.iii, which states that “any catch basin that is determined to be at least 25% full of trash shall be cleaned out” when preparing your proposal.

Christopher Cash (Paramount), Board Chair • Adriana Figueroa (Norwalk), Vice-Chair • Kelli Tunnicliff (Signal Hill), Secretary/Treasurer
Proudly serving Gateway cities and agencies in Southeastern Los Angeles County

Members: Artesia · Avalon · Bell · Bell Gardens · Bellflower · Central Basin Municipal Water District · Cerritos · Commerce · Cudahy · Downey · Hawaiian Gardens · Huntington Park · La Mirada · Maywood · Lakewood · Long Beach · Long Beach Water Department · Lynwood · Montebello · Norwalk · Paramount · Pico Rivera · Pico Water District · Santa Fe Springs · Signal Hill · South Gate · Vernon · Water Replenishment District of Southern California · Whittier

With Technical Support From The Sanitation Districts Of Los Angeles County

ORIGINAL

Nationwide Environmental Services[®]

Division of Joe's Sweeping, Inc.



www.nes-sweeping.com

11914 Front Street, Norwalk, California 90650
Office (562) 860-0604 Toll Free (800) 222-5637
Fax (562) 868-5726 info@nes-sweeping.com

Sweeping Since 1968

GATEWAY WATER MANAGEMENT AUTHORITY

MUNICIPAL STORM SEWER CATCH BASIN CLEANING PROPOSAL

DUE DATE: OCTOBER 30, 2017 @ 11:00 AM

SUBMITTED BY:



11914 FRONT STREET, NORWALK, CA 90650
PH. (562) 860-0604 • FAX (562) 868-5726
www.nes-sweeping.com



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Flyer of Services	Enclosed



COVER LETTER

October 30, 2017

Ms. Bibi Weiss
Gateway Water Management Authority
16401 Paramount Blvd.
Paramount, CA 90723

Re: Municipal Storm Sewer Catch Basin Cleaning Proposal

Dear Ms. Weiss:

Introduction

Nationwide Environmental Services (NES), has provided services to over 50 municipalities in the Southern California region since 1968. NES is a second generation and family owned business providing state-of-the-art catch basin cleaning, street sweeping, graffiti abatement, bus stop maintenance, parking lot sweeping and roll-off services at competitive prices. As a division of Joe's Sweeping, Inc., NES pledges to continue to provide the excellent and professional service that, historically, has been proven to be our company's most distinguishing attribute.

NES is committed in providing quality services with a dedicated staff to ensure a clean, healthy and safe environment. NES is known for its reliability, reputation and quality services with a courteous and responsive customer service department. Furthermore, NES is proud to state that we currently provide services (catch basin cleaning, street sweeping, bus stop maintenance, graffiti abatement) to several of the Cities which are part of the Gateway Region, such as, Montebello, Norwalk and Downey.

Company History

Nationwide Environmental Services (NES), a division of Joe's Sweeping, Inc., is one of the largest street sweeping companies in the nation. Through ceaseless dedication, founder Joe Samuelian, who started sweeping parking lots in 1968, created a company that has served over 50 municipalities throughout California. The company's success lies in its mission statement: to provide the highest level of customer satisfaction with quality services using state-of-the-art, environmentally friendly technologies. By implementing this mission statement to every service provided, NES has not only created a cleaner environment, but has also inspired the true beauty of every municipality to shine.



COVER LETTER

Our extensive fleet of sweeping and cleaning vehicles continues to maintain municipalities, residential communities, homeowner's associations (HOA), business parks, parking facilities, construction sites, private companies, various unified school districts and transportation authorities. Our current contracts cover services within the Greater Los Angeles Area and the surrounding areas of Orange, Ventura, San Bernardino, and Riverside Counties, serving over 1.5 million citizens.

NES implements only the most technologically advanced softwares and employs the most experienced and dedicated management and personnel. Through this dedication to excellence, NES proactively addresses the needs of the communities we serve. Our clean and efficient services enhance a community's appearance and consistently ensure a cleaner environment in which to reside and work. This type of environment promotes community pride and helps increase property values.

At NES, we realize the importance of a clean and dependable fleet. This is why our vehicles are routinely cleaned and inspected to make sure they provide the highest level of service. Our equipment technicians are highly qualified and every operator is a trained professional. Everyone at NES is dedicated to keeping our fleet on the road and on time. Here at NES, great service is our priority, and we are serious about keeping your community clean.

Description of Work

Nationwide Environmental Services (NES) general work plan to meet catch basin cleaning requirements incorporates a well-managed administration and operational structure supported by interdepartmental team work. NES' management will meet with each City representative to examine and evaluate the locations and schedule according to specifications.

NES will maintain catch basins and connector pipe screens (CPS) and/or automatic retractable screens (ARS) and unmodified catch basins in accordance with each agencies requirements. NES will inspect, clear all debris, and will report to each City any evidence of rodents and/or vectors breeding/living in the storm drain system within 24 hours of discovery. NES will also take a before and after photos and will submit the photos with the invoice to the appropriate agency.

NES will provide services at a minimum one time per year between May 1 and September 30 each year. Also, inspections will be performed during October, January, and April. During the inspections, NES will clean any catch basin sumps that have blocked screened inlets, screened outlet or if the basins are at least 25% full of trash/debris. In addition, NES will report to the appropriate agency any damaged catch basin screens and missing stenciling requirements.



COVER LETTER

NES provides consistent and thorough services, thereby, ensuring not only a cleaner environment in which to reside and work, but additionally, assists communities in diverting debris from storm drain systems. The diversion of debris is an important step in meeting NPDES (National Pollutant Discharge Elimination System) mandates.

Contact Information

Ani Samuelian
Vice President
(562) 860-0604
ani@nes-sweeping.com

Nejteh Der Bedrossian
Operations Manager
(562) 254-0205
nejteh@nes-sweeping.com

If you have any questions or need additional information, please feel free to contact me at (562) 860-0604. Thank you for your time and consideration.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ani Samuelian", is positioned above the typed name.

Ani Samuelian
Vice President



PROPOSER INFORMATION

Nationwide Environmental Services div. of Joe's Sweeping, Inc.
11914 Front Street
Norwalk, CA 90650
Founded: 1968
Legal Status: California Corporation
License: CA #600689, B, C-33, C61/D38, C61/D24
Storm Water Inspector Certification – See Attached
FIN: 95-4251996

CERTIFIED STORMWATER INSPECTOR

NEJTEH DERBEDROSSIAN

HAS BEEN AWARDED THIS CERTIFICATE OF ACHIEVEMENT FOR HAVING SUCCESSFULLY COMPLETED ALL REQUIREMENTS OF THE NATIONAL STORMWATER CENTER TRAINING COURSE

THIS CERTIFICATION IS EFFECTIVE FOR A PERIOD OF FIVE YEARS AND INCLUDES 1.2 CONTINUING EDUCATION UNITS (CEUS)

DISCIPLINES DEVELOPED:
STORMWATER PERMIT COMPLIANCE
AND INSPECTIONS OF INDUSTRIAL
ACTIVITIES, COMMERCIAL FACILITIES,
CONSTRUCTION PROJECTS, AND
MUNICIPAL OPERATIONS



POLLUTION PREVENTION
ILLCIT DISCHARGE DETECTION AND
ELIMINATION
PUBLIC EDUCATION AND INVOLVEMENT
CONSTRUCTION
POST CONSTRUCTION



MICHELE LOMAX, DIRECTOR OF OPERATIONS

6658

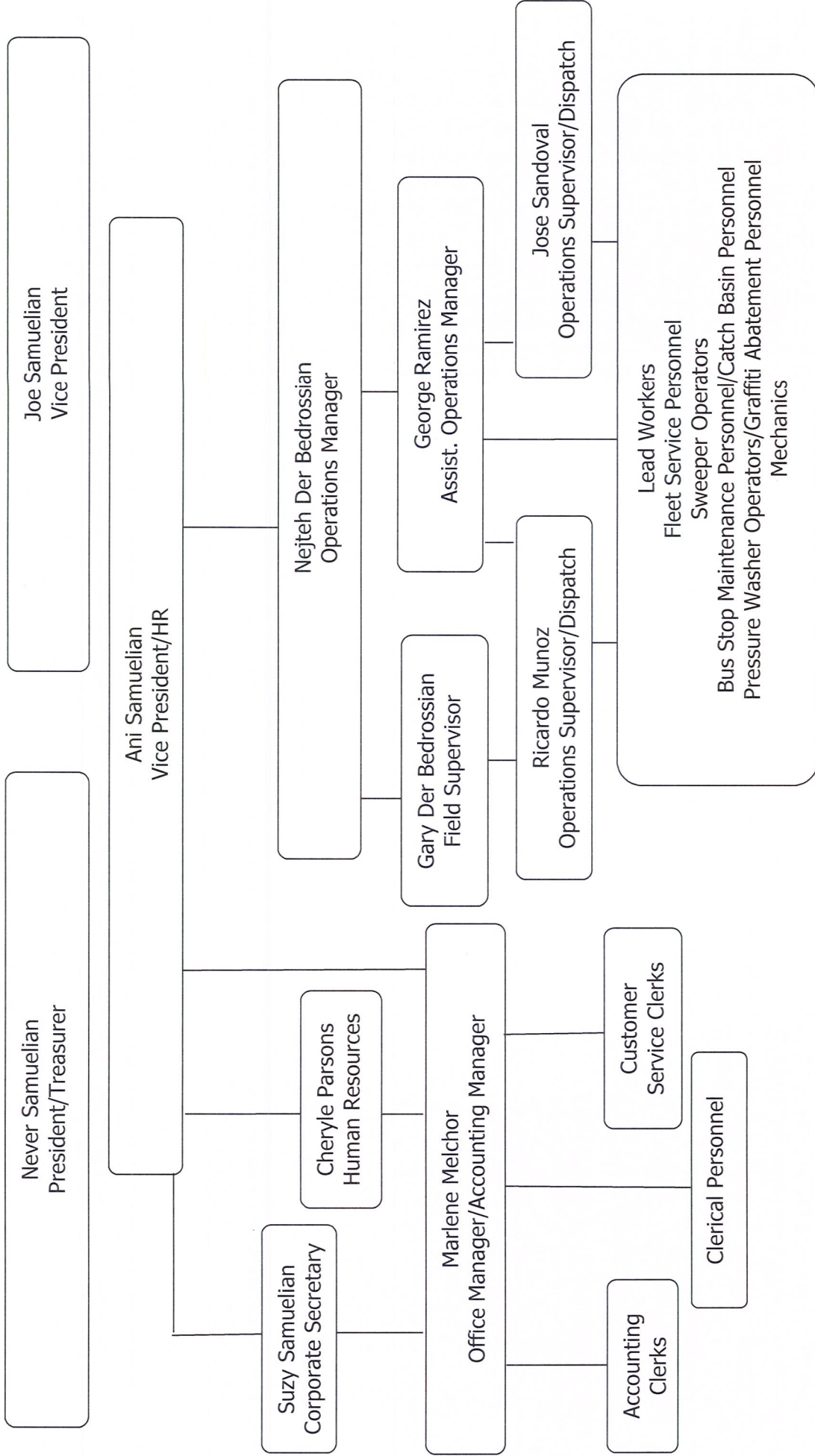
CERTIFICATE NUMBER

JANUARY 28, 2016

DATE

THE NATIONAL STORMWATER CENTER
107-F EAST BROADWAY STREET BELAIR, MD 21014
WWW.NPDES.COM

GENERAL REQUIREMENTS





GENERAL REQUIREMENTS

Executive:

Never Samuelian
Joe Samuelian
Ani Samuelian
Suzy Samuelian

President/Treasurer
Vice President
Vice President (**Contract Manager**)
Corporate Secretary

Administrative:

Marlene Melchor
Cheryle Parsons

Office Manager/Accounting Manager
Human Resources, PHR
Accounting Clerks
Customer Service Clerks
Clerical Personnel

Operations:

Nejteh Der Bedrossian
George Ramirez
Gary Der Bedrossian

Operations Manager (**Project Manager**)
Assistant Operations Manager
Field Supervisor
Lead Workers
Fleet Service Personnel
Sweeper Operators
Bus Stop Maintenance Personnel
Catch Basin Personnel
Pressure Washer Operators
Graffiti Abatement Personnel

Mechanics:

Jose Martinez

Fleet Maintenance Supervisor
Lead Mechanic
Mechanics



GENERAL REQUIREMENTS

NES prides itself on its excellent customer service. All employees at NES are courteous, responsive, timely, equitable and professional. Employees are trained whether in person or on the phone to be pleasant, respectful and professional. Employees give full attention to each customer's needs by asking questions and by providing accurate information. Our customer service representatives offer immediate action to requests and complaints.

NES maintains a drug-free workplace and employs a staff of over 80 operators including back-up personnel. This method of employing back-up operators allows NES to manage personnel changes without sacrificing the quality of service to any one of our customers. All personnel wear company uniforms which include identification patches identifying the company and employee.

At NES, employees are trained, licensed, insured and competent to assure quick response along with professional services. NES has been known for its remarkable quality of service and stands above all others in the industry by providing excellent customer service. All employees at NES have been screened and selected per NES' Driver Selection and Screening Policy.

NES believes that communication is a key factor in providing quality services, therefore, we have a 24/7 dispatch service available to assist Cities with additional, special or emergency requests. In addition, NES will provide all the Cities with NES' 24-hour dispatch telephone number and cellular telephone number of the project manager.

Safety comes first at NES; therefore, all managers, supervisors and employees receive ongoing safety training during their employment.

All operators have over five (5) years' experience, have completed training on the proper operating procedures of the vehicles assigned. Management personnel have over fifteen (15) years experience and are highly trained in maintaining the highest level of customer service by focusing on guaranteed satisfaction. All employees and management personnel are skilled, experienced and competent and all are capable of communicating in both written and oral English. If necessary, NES has a staff of management personnel, back-up operators and back-up vehicles which can be utilized.

NES also has fulltime in-house mechanics available 24/7 to handle any type of mechanical problem, should the need arise. Mechanics are trained and skilled to repair and maintain all types of vehicles.

Ani Samuelian/Vice President (Contract Manager)

Ani Samuelian has been employed with NES since 1994 and her responsibilities include: Oversee daily operations, contract management, accounts payable/receivable/payroll. Assist in establishing effective company goals and evaluate all insurance and bonding policies and procedures. Responsible for developing and implementing marketing strategies. Provide adequate communication with staff to identify problems and coordinate corrective action plans. Coordinate with department heads to facilitate efficient management functions. Participate in weekly meetings to discuss daily operations performance, regulatory issues, client concerns and company policies and procedures. Responsible for ensuring compliance of all State and Federal laws and regulations. Oversee Human Resources, Safety and Public/Government Relations. Ani is bilingual (English/Armenian) and has graduated from Southern California College of Business & Law. Ani is also a proud member of the L.A. Chapter Maintenance Superintendents Association (MSA) and the north american Power Sweeping association (naPSa). In 2016, Ani was honored as the "Woman of the Year" in the area of business from the 32nd Senate District.

Nejteh Der Bedrossian/Operations Manager (Project Manager)

Nejteh Der Bedrossian has been employed with NES since 1991 and his responsibilities include: Oversee and supervise the daily operations of the plant. Responsible for designing new routes and organizing daily service routes and schedules for an effective operation. Managing and overseeing employees. Managing disposal operations; administer and oversee disposal program, including recycling and composting; establish programs with municipalities to meet AB 939 mandates. Monitoring and inspecting field operations; project point liaison for emergency callouts or request for services; monitors and reviews GPS tracking system reports. Perform cost comparison analysis to determine the most efficient and cost effective way to provide services to our clients. Responsible for inventory control of the plant and purchases for maintaining an effective operation. Participate in weekly meetings to discuss daily operations performance, regulatory issues, client concerns and company policies and procedures. Responsible for ensuring compliance of all State and Federal laws and regulations. Nejteh is a Certified Stormwater Inspector (see certificate, page 5). Nejteh is also multilingual and a proud member of the L. A. Chapter - Maintenance Superintendents Association (MSA) and the north american Power Sweeping association (naPSa).

George Ramirez/Assistant Operations Manager

George Ramirez has been employed with NES since 2007 and his responsibilities include: assisting in the daily operations, organizing daily routes, scheduling, dispatch, field supervision, quality control, GPS monitoring and overseeing and supervising the daily maintenance and cleanliness of all vehicles. George is bilingual (English/Spanish) and has over 15 years experience.



GENERAL REQUIREMENTS

Gary Der Bedrossian/Field Supervisor

Gary Der Bedrossian has been employed with NES since 1985 and his current responsibilities include: field supervision, quality control, monitoring and inspecting field operations, designing new routes and organizing daily service routes and schedules for an effective operation. Gary is multi-lingual (English, Armenian, Arabic, and Turkish).

Marlene Melchor/Office Manager

Marlene Melchor has been employed with NES since 2000 and her current responsibilities include: office management, accounts payable, accounts receivable, payroll, scheduling, report administration and overseeing customer service department.



REFERENCES*CONFIDENTIAL*

Customer Name Address	Contact Person Title	Phone # Fax # Email
City of Montebello 1600 W. Beverly Blvd. Montebello, CA 90640	Francesca Schuyler City Manager	Ph. (323) 887-4616 Fax (323) 887-4716 FSchuyler@cityofmontebello.com
City of Downey 11111 Brookshire Downey, CA 90241	John Oskoui Asst. City Manager	Ph. (562) 622-3398 Fax (562) 904-7296 jOskoui@downeyca.org
City of Pico Rivera 6615 Passons Blvd. Pico Rivera, CA 90660	Rene Bobadilla City Manager	Ph. (562) 801-4368 Fax (562) 801-4765 rbobadilla@pico-rivera.org

Additional References Available Upon Request

GATEWAY AUTHORITY

MUNICIPAL STORM SEWER CATCH BASIN CLEANING

CATCH BASIN CLEANING PROPOSAL FORM

Company Name and Address: Nationwide Environmental Services
div. of Joe's Sweeping, Inc.
11914 Front Street
Norwalk, CA 90650

Company: Nationwide Environmental Services
div. of Joe's Sweeping, Inc.


Proposal pricing shall be based on a per catch basin costs and shall include the following work to be performed:

Each Company shall inspect and clear all debris in catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract a minimum of one time between May 1 and September 30 of each year. In addition, the Company shall perform one inspection of all catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract during the months of October, January, and April. The Company shall immediately clean any catch basin sumps found to have a blocked screened inlet, screened outlet, or be at least forty percent (40%) full of trash and debris. The Company shall not perform repair, maintenance or other work that would require a Contractor's License or the payment of prevailing wages. The Company shall report to the appropriate Contracting Agency any damaged catch basin screens and missing stenciling requirements. The Company shall report evidence of rodents and/or vectors breeding/living in the storm drain system to the appropriate Contracting Agencies within twenty-four (24) hours of discovery.

The Company shall take a photo documenting the before and after conditions of all debris cleaning, from the same vantage points, in an amount not less than five (5) of each condition. All photos shall be at least 4 megapixel (MP) in quality, in peg (.jpg) format, and submitted with the invoice to the appropriate Contracting Agency.

Proposal prices shall be guaranteed.

	Unit Price	# of CB	Extended Price
ARS Catch Basin ...	<u>\$36.00</u> each	1000	<u>\$36,000.00</u>
CPS Catch Basin ...	<u>\$36.00</u> each	5000	<u>\$180,000.00</u>
ARS & CPS Catch Basin ...	<u>\$36.00</u> each	4000	<u>\$144,000.00</u>
Non-retrofitted Catch Basin ...	<u>\$36.00</u> each	3338	<u>\$120,168.00</u>
		TOTAL	<u>\$480,168.00</u>



Authorized Signature

October 30, 2017
Date

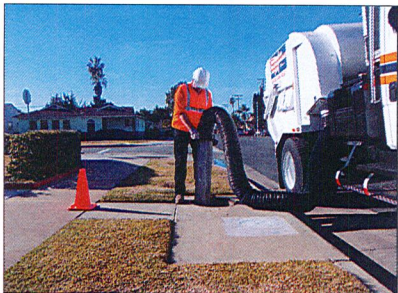
CATCH BASIN CLEANING



◆ EPA (MS-4) COMPLIANT CATCH BASIN CLEANING.



◆ PREVENTING POLLUTANTS FROM FLOWING TO THE OCEAN.



◆ PRE AND POST RAIN CLEANING PREVENTS STREETS FROM FLOODING.



◆ REMOVING DECAYING DEBRIS REDUCES FOUL ODORS.

◆ COMPLIMENTS CLEAN WATER ACT



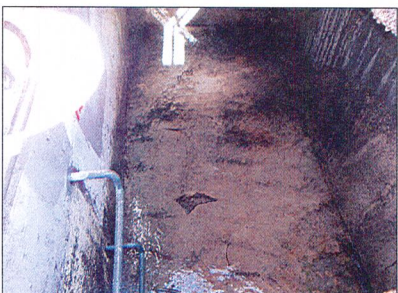
BEFORE

◆ HELPS TO CONTROL WEST-NILE VIRUS.



BEFORE

◆ ROUTINE CLEANING PROTECTS OUR ENVIRONMENT.



AFTER



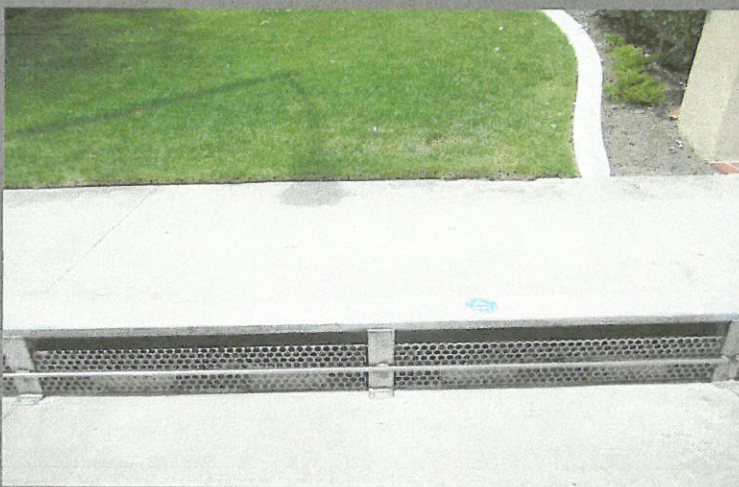
AFTER

**Nationwide
Environmental
Services**[®] Division of Joe's Sweeping, Inc.

11914 Front St.
Norwalk, CA 90650
(562) 860-0604

MUNICIPAL STORM SEWER CATCH BASIN CLEANING PROPOSAL

A PROPOSAL SUBMITTED TO: GATEWAY WATER
MANAGEMENT AUTHORITY



RMI

Ron's Maintenance, Inc.
P.O. Box 4562.
Downey, CA 90241
Tel: (562) 861-2430
Fax: (562) 861-2418
www.ronsmaintenance.com

October 30, 2017

Bibi Weiss
Gateway Water Management Authority
16401 Paramount Blvd
Paramount, CA 90723

RE: MUNICIPAL STORM SEWER CATCH BASIN CLEANING PROPOSAL

Dear Mrs. Weiss:

Ron's Maintenance, Inc., (RMI) has reviewed the requested for proposal and all questions and answers associated with it. We are pleased to submit the attached proposal to the Gateway Water Management Authority to perform annual catch basin inspection and cleaning services. RMI is a highly respected, service-oriented company specializing in performing catch basin clean-out and storm drains maintenance service. Our company is dedicated to providing the member agencies of the Gateway Water Management Authority with the tools necessary to maintain environmental standards in addition to providing superior catch basin cleaning services.

For the more than 23 years, RMI has been committed to protecting and improving the quality of our urban waterways and the environment. As part of our commitment to the Gateway Water Management Authority, RMI guarantees that our cost effective approach and level of service cannot be duplicated by our competitors.

RMI understands that the member agencies of the Gateway Water Management Authority are facing increased environmental oversight and ever-decreasing staffing and financial resources. The member agencies of the Gateway Water Management Authority have benefited from utilizing RMI for their municipal storm sewer catch basin maintenance services during our recent term as your service provider. For more than three years, RMI has provided the member agencies with the tools necessary to maintain compliance with the Los Angeles County Municipal Storm Sewer Permit, Order No. R4-2012-0175. If selected, RMI promises continued deliver of unparalleled service in inspection and cleaning of the 14,000–18,000 catch basins within the Gateway Water Management Authority boundaries.

As full-capture technologies have evolved so has the level of our services we offer, RMI has more than ten (10) years of experience cleaning and servicing Automatic Retractable Screen (ARS) and connector pipe screen (CPS) equipped catch basins for the Los Angeles County Department of Public Works, Orange County Department of Public works and municipalities throughout Southern California.

Our typical cleaning of a catch basin includes the removal of trash and sediments collected in the sump. RMI will inspect and clean catch basins within each jurisdiction at a minimum of once between May 1 and September 30. We will perform inspections of all catch basins during the months of November, February, and April. Ensuring that any unmodified or modified catch basins found to be blocked or at least 25% full of trash/debris (in accordance with Order No. R4-2012-0175 Part 9.h.iii.(2)) will be immediately cleaned.

RMI will perform catch basin inspections and cleaning services between the hours of 7:00 a.m. to 4:00 p.m., Monday through Friday, unless otherwise approved by the contracting jurisdiction. We will visually inspect the condition of the each Member Agency catch basins retrofitted with ARS and CPS devices verifying the legibility of "no dumping"

signage/stencils and Staff Gauge (per County of LADPW Appendix A-4), and note any build-up of debris outside the catch basin. RMI will look for evidence of any damage and/or malfunctioning of screens and locking mechanisms. RMI will report any evidence of rodents and/or vectors, damage or malfunction will be reported to the jurisdiction's representative within one (1) business day of discovery.

RMI will manually clean each catch basin, removing all accumulated waste and debris. We will take digital photographs prior to and after each catch basin cleaning. All information from inspections and cleaning will be documented in a field data log. This information will be provided to each jurisdiction along with digital photographs. RMI will document the before and after conditions of the catch basins, inspection findings, and the total tonnage amounts of waste removed upon the completion of the each round of cleaning and inspection activities.

We greatly appreciate this opportunity to submit the enclosed proposal. If you have any questions or need additional information, please feel free to contact me directly at (213) 359-3827.

Sincerely,

A handwritten signature in blue ink that reads "Ronni norm" with a long horizontal flourish extending to the right.

Ron Norman,
President

October 30, 2017

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Proposer (Company) INFORMATION

COMPANY BACKGROUND

Ron's Maintenance, Inc. (RMI), was founded in 1994 by Ron Norman in the City of Los Angeles, with the goal of becoming the industry leader in catch basin cleaning.

COMPANY PROFILE

- RMI is an S Corporation, owned and operated by Ron Norman
- RMI's Tax Identification Number: 20-1345634
- C61 and D63 General Contractor License: License number 972124

All project support and services associated with this project will be directed from RMI's Los Angeles, CA, office.

RESUMES AND EXPERIENCE

Ron Norman, President / CEO

Mr. Norman is the President and Owner of Ron's Maintenance, Inc. (RMI). He directs all aspects of the company's business affairs and oversees all client services. Mr. Norman is responsible for bottom-line results, client relations, and quality control. He is involved in all aspects of RMI's service to its municipal clients. He believes in providing the highest quality service for all RMI's municipal clients, doing whatever is necessary to ensure customer satisfaction.

Education:

Grambling State University, Grambling, Louisiana; Major – Business

Key Qualifications and Experience:

- Administration and implementation of more than fifteen (25) municipal catch basin cleaning contracts throughout Southern California
- More than 23 years of experience
- C-61 and D63 State Contractor's License
- Project Management and Quality Control
- Certification in Confined Space Entry
- Class B Commercial License
- Project Commitment

PROJECT MANAGERS

Mario Gudino – Project Manager

Mr. Gudino is a strong asset in our organization and has over 19 years of experience as a project manager with RMI. Mr. Gudino's duties include:

- On-site project supervision
- Clean, stencil, and repair catch basins
- Oversee large work crews to complete various contracts
- Manage supplies and keep track of business expenses
- Responsible for knowing and abiding by city ordinances and laws
- Organized and completed over 100 awarded contracts
- Assist in bid process
- Generate reports of work completed and report to respective authority

In addition, Mr. Gudino has ten (10) years of experience in cleaning CPS, APS, MRS, and FBI inserts and is certified in Confined Space Entry, First Response for Unusual and Hazmat Occurrences, and Traffic Management.

Martin Nava – Project Manager

Mr. Nava is a project manager with RMI. Mr. Nava has more than 16 years of experience in the field providing support on well over 100 contracts. Mr. Nava's current duties and accomplishments include:

- On-site project supervision
- Clean, stencil, and repair catch basins
- Oversee large work crews to complete various contracts
- Manage supplies and keep track business expenses
- Responsible for knowing and abiding by city ordinances and laws
- Organized and completed over 100 awarded contracts
- Assist in bid process
- Generate reports of work completed and report to respective authority

In addition, Mr. Nava has ten (10) years of experience in cleaning CPS, APS, MRS, and FBI inserts and has completed Certified in Confined Space Entry training.

APPROACH

Project Scheduling and Coordination:

- To ensure that all affected catch basins are cleaned prior to the start of the 2017–2018 Rainy Season (Oct 1), RMI will contact contracting agencies within seven (7) days of contract award to establish the lines of communication, obtain catch basin inventories, and obtain copies of catch basin location maps.
- After meeting with all contracting agencies, RMI will establish a master schedule to ensure that all contacting agencies receive the highest level of service, and that the established cleaning schedule (minimum of one cleaning between May 1st and September 30th) is maintained.

Inspection and Cleaning Procedures:


- RMI will visually inspect the condition of the catch basin grates, ARS, and CPS units; the legibility of “no dumping” signage/stencils; and note any build-up of debris outside the catch basin.
- RMI will note the type and quantity of materials removed from each catch basin and storm drain (i.e. trash, green waste, and dirt /sediment). In addition, staff will document any signs of vector/rodents habitats.
- RMI will look for evidence of illegal dumping of hazardous wastes such as used oil and paint in the catch basin/storm drain system. Should our crews encounter these materials, they will immediately notify the contracting agency.
- RMI will provide photographic documentation of inspection and cleaning activities. Photographs shall be taken prior to cleaning and after completion of cleaning activities from the same vantage points (before and after). A minimum of five (5) photographs will be taken of each basin, using a digital camera.
- RMI will document all information from inspections/cleaning, repair, and stenciling activities using a Field Data Sheet. This information along with site photographs will be provided to the contracting agencies upon the completion of each round of cleaning and inspection activities.

On-Going Inspections:

- RMI will perform inspections of all identified catch basins during the months of October, January, and April (on an annual basis).
- RMI will clean any catch basins observed having blocked screen inlets, blocked screened outlets, or being at least 25% full of trash/debris (in accordance with Order No. R4-2012-0175 Part 9.h.iii.(2)) will be immediately cleaned.

Proposal prices shall be guaranteed.

	Unit Price	# of CB	Extended Price
ARS Catch Basin ...	\$ <u>16.00</u> each	1000	\$ <u>16,000.00</u>
CPS Catch Basin ...	\$ <u>16.00</u> each	5000	\$ <u>80,000.00</u>
ARS & CPS Catch Basin ...	\$ <u>16.00</u> each	4000	\$ <u>64,000.00</u>
Non-retrofitted Catch Basin ...	\$ <u>13.00</u> each	3338	\$ <u>43,394.00</u>
	TOTAL		\$ <u>203,394.00</u>



Authorized Signature

10/30/2017

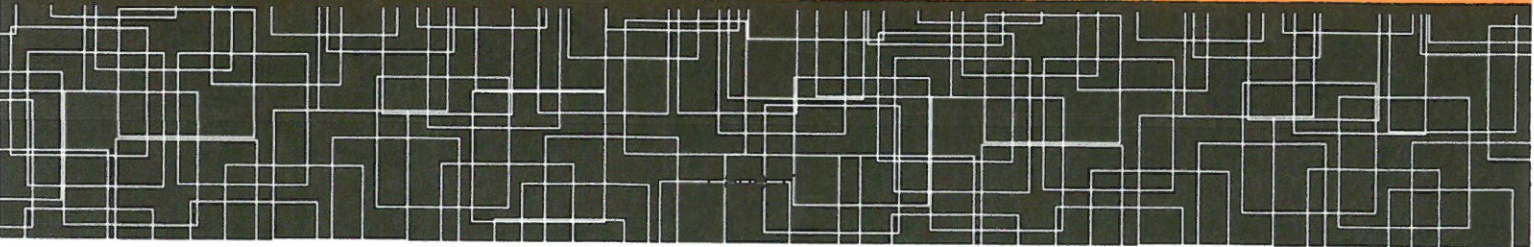
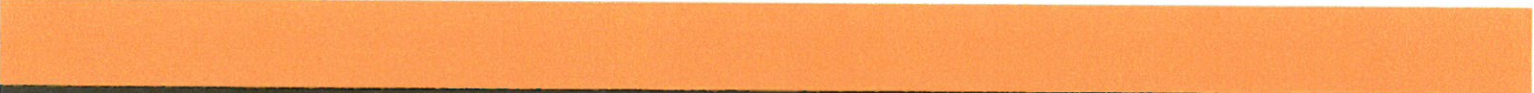
Date

ATTACHMENT A – PROPOSAL FORM





P.O. BOX 4562 Downey, CA 90037 | Phone: 213.359.3827 | Fax: 562.861.2418
Ronsmaintenance@aol.com | www.Ronsmaintenance.com



GATEWAY AUTHORITY
MUNICIPAL STORM SEWER CATCH BASIN CLEANING
CATCH BASIN CLEANING PROPOSAL FORM

Company Name and Address: Ron's Maintenance, Inc.
P.O. Box 4562
Downey, CA 90241
ron@ronsmaintenance.com

Company: Ron's Maintenance, Inc
(213) 359-3827

Proposal pricing shall be based on a per catch basin costs and shall include the following work to be performed:

Each Company shall inspect and clear all debris in catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract a minimum of one time between May 1 and September 30 of each year. In addition, the Company shall perform one inspection of all catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract during the months of October, January, and April. The Company shall immediately clean any catch basin sumps found to have a blocked screened inlet, screened outlet, or be at least forty percent (40%) full of trash and debris. The Company shall not perform repair, maintenance or other work that would require a Contractor's License or the payment of prevailing wages. The Company shall report to the appropriate Contracting Agency any damaged catch basin screens and missing stenciling requirements. The Company shall report evidence of rodents and/or vectors breeding/living in the storm drain system to the appropriate Contracting Agencies within twenty-four (24) hours of discovery.

The Company shall take a photo documenting the before and after conditions of all debris cleaning, from the same vantage points, in an amount not less than five (5) of each condition. All photos shall be at least 4 megapixel (MP) in quality, in .jpg format, and submitted with the invoice to the appropriate Contracting Agency.

Per the Q & A -10-25-17, Catch basins will be cleaned when 25% full of trash.

REQUEST FOR PROPOSALS

MUNICIPAL STORM SEWER CATCH BASIN CLEANING PROPOSAL

**Gateway Water Management Authority
16401 Paramount Blvd.
Paramount, CA 90723**

Submitted by



UNITED STORM WATER INC.

14000 E. Valley Blvd.
City of Industry, CA 91746

Terry Flury
Sales Manager
626/ 961-9326 Office
626/ 961-3166 Fax
626/ 419-3521 Cell
terry@unitedstormwater.com

Due Date: October 30, 2017 @ 11:00 A.M.



October 30, 2017

Bibi Weiss
Gateway Water Management Authority
16401 Paramount Blvd.
Paramount, CA 90723

Subject: Municipal Storm Sewer Catch Basin Cleaning Proposal

Dear Ms. Weiss,

Incorporated in 1999 by the owners of United Pumping Service, United Storm Water is a family owned and operated minority business enterprise (MBE) that is a pioneer in storm water remediation and storm water management. United Storm Water is a Class A contractor with demonstrated experience and expertise in catch basin cleaning, the fabrication and installation of storm drain BMPs (DrainPac Filter Insert, Wing-Gate Automatic Retractable Screen, Connector Pipe Screens), and is the current holder of similar contracts with numerous public agencies.

Providing storm water management services that include storm drain inspection and monitoring, cleaning, and a robust documentation program, United Storm Water offers proactive means of complying with the numerous local, state, and federal regulations that govern illicit storm water discharge. Since 1999 United Storm Water has aided government agencies nationwide in reaching their trash Total Maximum Daily Load (TMDL) limits. Cleaning thousands of storm drain conveyance systems every year, and designing, fabricating and installing a myriad of custom made structural BMPs yearly, United Storm Water is considered experts in their field.

Description of Work

United Storm Water, Inc. (United), shall render to the Gateway Water Management Authority the services set forth in the specifications for Municipal Storm Sewer Catch Basin Cleaning. United will provide all labor, equipment and materials needed for inspecting and cleaning unmodified catch basins as well as catch basins containing Connector Pipe Screens (CPS) and/or Automatic Retractable Screens (ARS). United will enter into contracts with individual municipalities wishing to accept United's pricing and terms. The total number of catch basins, if all cities contracted, is estimated between 14,000 and 18,000. The term of the agreement will be for (3) years from the date of acceptance.

Services include traffic control, catch basin cleaning (includes BMP cleaning) and documentation. United shall inspect and clear all debris a minimum of one time between May 1 and September 30 of each year. In addition, United shall perform one inspection of all catch basins during the months of October, January and April. United will immediately clean any catch basin sump found to have blocked screens or to be 25% full of debris (ref Questions and Answers dated 10/25/17). Documentation will include before and after photos of cleaning from the same vantage points in an amount not less than (5) of each condition. Disposal of the extracted waste will be the responsibility of the Contracting Agency or per request as extra work.



General Approach

United Storm Water operates out of an 8-acre fleet yard that is centrally located in the City of Industry and has all the manpower and resources in place for providing reliable services as required by this RFP without the use of subcontractors. We will employ a project management system for ensuring safe, legal, and accurate results for this contract. Individual contracts will be assigned to United's Project Management team.

United will provide confined space entry equipment that will be utilized as required for all inspection and cleaning services. Confined space entry equipment will include at a minimum an air monitor, air blower (if existing ventilation is insufficient), parachute harness, safety harness, and a tripod man lift hoisting device for lifting employees out of the space. A Confined Space Entry Permit will be completed for each site.

Catch basin cleaning will be performed utilizing Residential Vactron Trucks. Prior to beginning cleaning the work area in the streets will be coned off and/or construction signs will be posted per the approved traffic plan. Before leaving each cleaning site the service staff will sweep at least two feet around the catch basins. All extracted debris will be offloaded at the Contracting Agency's provided stockpile location.

There will be a Field Supervisor assigned to this project who will oversee all inspection and cleaning operations. The Field Supervisor will ensure compliance with all applicable laws (federal, state, and local), ordinances and regulations, and will coordinate with United's Project Manager to ensure that all customer needs are satisfied, and will approve or reject the work performed and methods used. All work will be performed in a timely manner per a schedule and route that has been pre-approved by the Contracting Agency.

All work will be performed in a manner that abides by all CAL/OSHA, OSHA, and City safety codes, policies, and procedures as well as all local, state, and federal environmental and storm water regulations, and current Caltrans traffic control guidelines will be adhered to. The appropriate safety equipment and procedures will be utilized for the protection of all service staff, customer staff, and the public. No discharges of any material will be allowed to enter the storm water conveyance system and United's service staff will be equipped with appropriate spill kits in the event of any accidental release or spill. Should an accidental non-permitted discharge occur United will immediately contain and clean the release and will notify the Contracting Agency.

During inspection and cleaning operations if chemicals or hazardous waste are found the Contracting Agency will be notified immediately, and a determination will be made by the Contracting Agency on a case-by-case basis on how the situation will be addressed. United Storm Water is hazardous substance removal certified and has all of the licenses and certifications in place to handle any type of hazardous waste incident.

Cost Summary

Catch basin cleaning rates include considerations for permits, mobilization, traffic control, and documentation of inspection/cleaning services (excludes disposal). Per the RFP prevailing wage rates do not apply for labor, and all fees associated with transportation and disposal of the extracted waste will be negotiated with the Contracting Agency separately. Should the Department of Industrial Relations determine that prevailing wage rates apply for this project a change order will be issued to compensate United at an additional rate of \$43/hr for all personnel and operated equipment. United's is open to negotiating pricing.



UNITED STORM WATER, Inc.
Protecting Our Water Resources

Contacts

Please contact Terry Flury (626/ 419-3521; terry@unitedstormwater.com) should you require any additional information or to schedule an interview as part of the competitive bid process.

Thank you for your consideration of our proposal!

Sincerely,

Eduardo Perry Jr.
President

STATEMENT OF QUALIFICATIONS— UNITED STORM WATER, INC.

Bidder Information

- **Legal Name:** United Storm Water, Inc.
- **Address:** 14000 E. Valley Blvd., City of Industry, CA 91746
- **Year Founded:** 1999 (18 years)
- **Legal Form of Company:** S-Corporation
- **California Contractor License No.:** 768583, Class A (HAZ, C-21, C-27, C-31, C-42)
- **Tax Identification No.:** 95-4742126
- **Contact Regarding Proposal:** Terry Flury, Sales Manager, Cell 626/ 419-3521

General Requirements:

- **Subsidiaries:** N/A
- **Parent Company:** N/A
- **Company Owners:** Eduardo Perry Jr., Daniel Perry, Lydia Perry, Dora Pina
- **Senior Management Team:**
 - Eduardo Perry Jr. President
 - Daniel Perry Executive Vice President
 - Lydia Perry Vice President of Marketing & Sales
 - Terry Flury Sales Manager

Staffing

United Storm Water has all the manpower and resources in place for providing reliable services as required by this RFP without the use of subcontractors. All our employees are on-call 24-hours and our field staff is comprised of 35 Drivers, 50 Supervisors and Technicians, and 10 Project Managers. Designated Hazmat responders are assigned Emergency Response Utility vehicles that are in their possession 24-hours per day to facilitate the rapid response times that our customers rely on.

Key Personnel

We will employ a project management system for ensuring safe, legal, and accurate results for this contract. Key personnel to be assigned to the work have been identified and their capabilities and proposed responsibilities are indicated below:

Project Managers

Individual contracts will be assigned to United's Project Managers (Terry Flury, Ramon Menjivar and Justin Welham) who will have full responsibility for the projects and will coordinate with the Contracting Agency, and all other project team members to fulfill service requests. The Project Managers will be on-call 24-hours.

Contract Coordinator

Dana De Guzman, Contract Coordinator for United Storm Water, will oversee all scheduling and administrative support staff. Mr. De Guzman will coordinate with United's Project Manager and field staff to ensure that projects are completed as scheduled. He will be responsible for preparing packets for field crews (work sheets, maps, manifests, work orders), directing crews to ensure that services are being performed as planned, and he will ensure that reports are completed accurately and on time.

Service Staff

Our highly experienced, professional service staff are trained and medically monitored in accordance with O.S.H.A. Title 29 CFR 1910.120 to conduct tasks involving the handling of or exposure to hazardous materials, substances, or waste including:

- 40-Hour HAZWOPER Training (8-Hour Refresher Annually)
- Traffic Control Training Per Caltrans Chapter 8 Standards
- Confined Space Entry & Rescue Training (8-Hour Refresher Annually)

- DOT HM-126F, HM-180 & HM-181 (8-Hour Refresher Annually)
- CPR, First Aid & Bloodborne Pathogens Training (8-Hour Refresher Annually)
- Medical Surveillance Program
- O.M.V. & D.O.T. Drug & Driving Record Programs
- LiveScan (Required by Transportation Security Administration)

Resumes for Project Managers

Resumes for the Project Managers to be assigned to this project are provided below:

Terry Flury

Sales Manager, United Storm Water, Inc.

Experience Since 1994

40-Hour OSHA HAZWOPER Certification (8-Hour Refresher Annually)
 40-Hour Hazardous Materials and Safety in the Workplace Training Program
 30-Hour OSHA Training in Construction Safety & Health
 CPR, First Aid & Bloodborne Pathogens Training (8-Hour Refresher Annually)
 Completion of e-RAILSAFE System Program & Background Check
 Caltrans Traffic Control Training
 Confined Space Entry Training (8-Hour Refresher Annually)
 DOT Certification (8-Hour Refresher Annually)
 Excavation & Trenching for Competent Person

Management Experience

Mr. Flury was the Storm Water Manager for 8 years at a California storm water company before coming over to United Storm Water, Inc. Mr. Flury is a pioneer in the storm water BMP industry. Having designed one of the first automatic retractable screens (ARS) in California, he has developed two more ARS devices that also have been certified and approved by the Los Angeles County Public Works Engineering Division. Mr. Flury's current responsibilities within United Storm Water include those of Storm Water Sales Manager. In this position he oversees all sales representatives, contracts and projects that apply to the Storm Water Division. He is skilled in reading, interpreting and providing technical drawings, is detail oriented, and has strong oral and communication skills and the ability to work independently. Mr. Flury is also results-oriented with the ability to coordinate multiple projects and teams simultaneously, coupled with the skill to effectively manage staff of all levels and diverse backgrounds.

Recently Completed Projects

1. Miscellaneous Out-of-State Pilot Studies (2014 to Present)—Served as Project Manager for the installation of automatic retractable screens, connector pipe screens, and filter inserts within various cities throughout the USA.
2. Machado Lake Trash TMDL Project (2014 to 2015)—Served as Project Manager for the installation of (173) Connector Pipe Screens, (809) Automatic Retractable Screens, and the installation of over (5,400) "No Parking" sign posts within six cities that discharge into the Machado Lake watershed (cities of Torrance, Carson, Palos Verdes Estates, Lomita, Rolling Hills Estates, and Rancho Palos Verdes).
3. OCTA Measure M2 Program (2012-Present)—Serves as Project Manager for installation of storm drain BMPs (automatic retractable screens, connector pipe screens, DrainPac) for interested cities.
4. San Francisco Estuary Partnership (2012-Present)—Serves as Project Manager for installation of storm drain BMPs (automatic retractable screens, connector pipe screens, DrainPac) for interested cities.

Ramon Menjivar
Senior Project Manager

Experience Since 1999

40-Hour OSHA HAZWOPER Certification (8-Hour Refresher Annually)
CPR, First Aid & Bloodborne Pathogens Training (8-Hour Refresher Annually)
Completion of e-RAILSAFE System Program & Background Check
Caltrans Traffic Control Training
Confined Space Entry Certification (8-Hour Refresher Annually)
DOT Certification (8-Hour Refresher Annually)

Management Experience

With experience at United Storm Water since 1999, Mr. Menjivar entered his position as Senior Project Manager after advancing from six years of field experience as a Technician, and two years of experience as Fabrication and Installation Manager. Mr. Menjivar's management experience includes the organization of road closure permits, projects involving hazardous material remediation, supervising tank removal and tank cleaning projects, pump house cleaning, sewer and storm drain cleaning, and development and installation of United fabricated structural Best Management Practice (BMP) devices. Mr. Menjivar is also noted for demonstrating leadership through professionalism, job ownership, commitment, teamwork, ethical behavior, and well-rounded project experience.

Related Projects Completed

1. Los Angeles County Department of Public Works (2012 to Present)— Serves as Project Manager for inspecting and cleaning 6,800 storm drains approximately 8 times per year, and BMP replacement as needed. This contract includes the management of all extracted storm drain waste, reporting of the weight and volume of waste extracted from each drain, providing the customer with a database, waste profiling, and disposal.
2. State of California Department of Transportation (Caltrans), Los Angeles District 7 (2012 to 2014, 2016 to 2017)—Services are performed throughout the year for cleaning 8,500 storm drains on a scheduled basis, yearly cleaning of trouble storm drain lines, and yearly/as needed maintenance of 52 pump stations existing on highways in Los Angeles County. The cleaning frequency of storm drains per this contract is court ordered to be performed at the end of the dry season and before the wet season (within 75 working days). This contract includes the management of approximately 1,200 tons of hazardous storm drain waste, documentation of the weight and volume of waste extracted from each drain compiled in a report to depict trends over the life of the contract, waste profiling, and disposal. During cleaning operations United Storm Water planned and activated over 300 freeway static lane closures.
3. OCTA Measure M2 Program (2012-Present)—Serves as Project Manager for installation of storm drain BMPs (automatic retractable screens, connector pipe screens, DrainPac) for interested cities.
4. City of Long Beach (2005-Present)—Serves as Project Manager for inspecting and cleaning 3,800 storm drains once a year, performing pump house inspection and maintenance, providing both trouble drain and emergency response services, and installing DrainPacs™ Storm Drain Filter Inserts, Automatic Retractable Screen Covers, and Connector Pipe Screens. This contract includes the management of all extracted storm drain waste, reporting of the weight and volume of waste extracted from each drain, providing the customer with a Microsoft Access database, waste profiling, and disposal.

Justin Welham
Sales Representative/Project Manager

Experience Since 2000

40-Hour OSHA HAZWOPER Certification (8-Hour Refresher Annually)
40-Hour Hazardous Materials and Safety in the Workplace Training Program

30-Hour OSHA Training in Construction Safety & Health
24-Hour SWPPP Certification
CPR, First Aid & Bloodborne Pathogens Training (8-Hour Refresher Annually)
Completion of e-RAILSAFE System Program & Background Check
Caltrans Traffic Control Training
Confined Space Entry & Rescue Training (8-Hour Refresher Annually)
Excavation & Trenching for Competent Person
DOT Certification (8-Hour Refresher Annually)

Management Experience

Mr. Welham joined United in 2008 after eight years of owning his own business in the storm water industry. In this position he developed and expanded a storm drain maintenance company from the ground up to over 100 clients serviced. He managed labor force in completing a variety of jobs in a timely and efficient manner. Performed all facets of running a business, including: human resources, payroll, accounting, A/P, A/R, proposals, marketing, regulation compliance, insurance requirements and job costing. Mr. Welham's current responsibilities within United Storm Water include those of Sales Representative/Project Manager. In this position he performs job walks, provides quotes and plans projects, oversees contracts, and coordinates with his customers to ensure their satisfaction. He is skilled in reading and interpreting technical drawings, is detail oriented, and has strong oral and communication skills and the ability to work independently. Mr. Welham is also results-oriented with the ability to coordinate multiple projects and teams simultaneously, coupled with the skill to effectively manage staff of all levels and diverse backgrounds.

Related Projects Completed

1. City of Agoura Hills (2014, 2016, 2017)---Managed and coordinated the retrofit of a total of approximately (600) catch basins throughout the City. The projects included catch basin cleaning, and fabrication and installation of DrainPac Filter Inserts and Connector Pipe Screens.
2. City of Carson (2016 to 2017)---Managed and coordinated the retrofit of approximately (1,500) catch basins throughout the City. The project included catch basin cleaning, and fabrication and installation of Wing-Gate Automatic Retractable Screens and Connector Pipe Screens.
3. Metropolitan Water District (2014 to Present)—Manages and coordinates the removal and disposal of approximately 5,100 tons of dewatered sludge yearly.
4. City of Perris (2010 to Present)—Manages and coordinates all service requests as contracted for storm drain maintenance. Includes CCTV inspection of storm drain lines, and general cleaning and maintenance of storm drain pipes (140,000 linear feet), (360) storm drain catch basins and filters, (25) CDS units, and installation of BMP devices.

References

City of Long Beach

Address: 1651 San Francisco Avenue, Long Beach, CA 90813

Contact Person: Art Cox

Contact Phone No.: 562/ 570-6384

Email: arthur_cox@longbeach.gov

Start Date: 2006

Completion Date: Ongoing

Description of Work: Storm drain conveyance system maintenance including catch basin cleaning, as-needed emergency response storm drain pipe cleaning, and pump station cleaning

City of Perris

Address: 101 North D Street, Perris, CA 92570

Contact Person: Michael Morales

Contact Phone No.: 951/ 956-2120

Email: mmoreles@cityofperris.org

Start Date: 2008

Completion Date: Ongoing

Description of Work: Includes CCTV inspection of storm drain lines, and general cleaning and maintenance of storm drain pipes (130,000 linear feet), (1500) storm drain catch basins and filters, (25) CDS units, and installation of BMP devices.

City of Tustin

Address: 300 Centennial Way, Tustin, CA 92780

Contact Person: Alex Waite

Contact Phone No.: 714/573-3151

Email: awaite@tustinca.com

Start Date: 2003

Completion Date: Ongoing

Description of Work: City wide catch basin cleaning and installation of storm drain BMPs (Automatic Retractable Screens, Connector Pipe Screens, DrainPac)

Department of Transportation (Caltrans)

Address: 100 South Spring Street, Los Angeles, CA 90012

Contact Person: Roger Castillo

Contact Phone Number: 213/ 620-6318

Email: roger_e_castillo@dot.gov

Start Date: 5/1/13

Completion Date: 3/14/15

Description of Work: Services are performed throughout the year for cleaning 8,500 storm drains on a scheduled basis (hazardous waste), yearly cleaning of trouble storm drain pipes, and yearly maintenance of 52 pump stations existing on highways in Los Angeles County

Minimum Qualifications

United was the original firm who was contracted to design and implement what was at the time the largest storm water remediation project in Los Angeles County, and has been developing specialized services in storm water management for southern California cities as the industry continues to evolve. United has successfully performed storm water management services and installed BMP products for government agencies within Los Angeles County since 1999, including installation of thousands of ARS and CPS units as a subcontractor for the original Gateway Catch Basin Retrofit project. United's familiarity with the Contracting Agency's storm drain systems ensures that client expectations will be met and/or exceeded.

Experience & Technical Competence**Capabilities of Organization**

United Storm Water has been in business for 18 years and has the established experience of its sister company, United Pumping Service, having 47 years of experience in hazardous waste removal and transportation, and in solving remedial action problems for clients. As a result, United brings an outstanding level of technical experience, physical resources, and practical know-how to each job. Additionally, as new regulations are imposed United responds quickly to provide the services that clients require to remain in compliance.

United Storm Water is a Class A general engineering contractor with the proper licenses, permits, qualifications, and approvals to perform the scope of work required by this RFP as well as hazardous substance removal, remedial actions, and demolition.

- Date Incorporated: 1999
- Federal Tax ID Number: 95-4742126

- California Contractor's Board License Number: 768583
 - A – General Engineering
 - HAZ - Hazardous Substance Removal and Remedial Actions Contractor
 - C21 – Building Moving/Demolition Contractor
 - C27 – Landscaping Contractor
 - C31 – Construction Zone Traffic Control Contractor
 - C42 – Sanitation System Contractor

- Hazardous Waste Transporter Registration Number: 4034
- EPA Identification Number: CAR000064931
- United States DOT Number: 1637075
- US DOT Hazardous Materials Certificate of Registration Number: 062006 551 081OP
- California Highway Patrol - Hazardous Materials Transportation License Control Number: 176579
- California Department of Motor Vehicles Motor Carrier Permit Number: 0203159
- SCAQMD Rule 1166 Contaminated Soil Mitigation Plan Company Number: 466283
- OSHA Trench and/or Excavation Permit Number: 2017-906094

All of United's employees are on-call 24-hours and our field staff is comprised of 35 Drivers, 50 Supervisors and Technicians, and 10 Project Managers. United owns and operates a wide variety of equipment required for storm drain cleaning, structural BMP maintenance, sludge dewatering, traffic control, and excavation.

Cleaning thousands of storm drain conveyance systems every year (catch basins and storm drain pipes), and fabricating and installing a myriad of custom made structural BMPs United Storm Water is considered experts in their field. Over the past 18 years United Storm Water has installed thousands of DrainPac™ Storm Drain Filter Inserts, Automatic Retractable Screen Covers, and Connector Pipe Screens for private and government entities alike. We are recognized by our clients for providing high quality services due to our vast resources and experienced staff.

Performance Record

United Storm Water has an excellent performance record and has completed all contracts as agreed, and to the satisfaction of its clients:

- Has Respondent ever failed to enter into a contract or services agreement once selected? No
- Has Respondent ever withdrawn a proposal as a result of an error? No
- Has Respondent ever been terminated or failed to complete a contract? No
- Has Respondent ever been debarred by any municipal, county, state, federal or local agency? No
- Has Respondent ever been involved in litigation, arbitration or mediation for violating a state or federal antitrust law by bid or proposal rigging, collusion, or restrictive competition between bidders or proposers, or been convicted of violating any other federal or state law related to bidding or professional services Performance? No
- Has Respondent ever falsified information or submitted to deceptive or fraudulent statements in connection with a contract? No
- Has Respondent ever willfully disregarded applicable rules, laws or regulations? No

Resources

United Storm Water and United Pumping Service share the same 8-acre property in the City of Industry that houses a large corporate office and fleet yard. Together we have effectively planned, managed, and delivered the professional, reliable, and innovative services that our customers deserve for over a decade.

United owns and operates a wide variety of equipment required for storm drain cleaning, structural BMP maintenance, sludge dewatering, traffic control, and excavation including yet not limited to the following:

Quantity	Equipment Type
3	Heavy Industrial Vactor Jettors
1	Heavy Industrial Vactor Jetter—Water Recycling Configuration
9	Heavy Industrial Vactors
14	Residential Industrial Vactrons
4	Portable Jettors
1	Rodder Truck
11	End Dump & Roll-Off Trucks
700	Roll-Off & Dewatering Bins
21	Vacuum Trucks
24	Stakebed Trucks
6	Dry Vans
3	Drop Deck & Flatbed Trailers
20	Portable Liquid Storage Tanks (2,000 gal to 10,000 gal capacity)
12	Various Washing Equipment/Pressure Washers
3	Hydrotech High Pressure Heated Wash Units
8	Forklifts (4,000 lb to 12,000 lb capacity)
1	Kabota 4-WD Tractor Front End Loader
1	950B Cat Loader
1	446 Cat Backhoe
2	853 Bobcat Loader
1	John Deere 555 Crawler Loader
1	Minnie Excavator
10	Wilden M-8 to M-15 Pumps
4	Six Person Air Purification Panels
12	Flood Lights w/Generators
12	Arrow Boards, Trailer Mounted w/Generators
3000	Reflective Traffic Cones, Caltrans Approved
250	Delineators, Caltrans Approved
150	Barricades, Caltrans Approved Warning Lights Types A, B, and C
200	Associated Construction, Safety, and Directional Signs
1	Bio-Hazard Trailer
1	Emergency Command Center
1	Emergency Response Center
5	Emergency Response Utility Vehicles
multiple	Other Specialized Equipment
multiple	24-Hour Access to any Rental Equipment in the Market Place

Insurance Coverage

United Storm Water currently holds sufficient insurance coverage to perform the scope of work. A summary of our bonding and insurance capacities are indicated below. Certificate of Liability Insurance naming the Contracting Agency as additional insured will be provided upon request.

Bonding Agent: The Liberty Company
 Bonding Company: Sierra Summit/Philadelphia Indemnity Company
 Bonding Capacity: \$11,000,000
 Insurance Agent: Bolton & Company
 Insurance Company: Greenwich Insurance Company

Added Value

The Contracting Agency may request United Storm Water to perform extra services not covered in the RFP at a cost that is mutually agreed upon by both parties in writing. Such services may include yet are not limited to the following:

- As needed repair or replacement of existing BMPs that are installed within the Contracting Agency's City
- Catch basin retrofit for installing trash excluder devices such as Wing-Gate Automatic Retractable Screen Covers, Connector Pipe Screens, and/or DrainPac Storm Drain Filter Inserts
- Cleaning (scheduled or emergency response) of any storm water conveyance system that is not defined in the scope of work of this RFP
- Catch basin stenciling
- Trash quantification
- Closed circuit television (CCTV) pipeline inspection

GATEWAY AUTHORITY
MUNICIPAL STORM SEWER CATCH BASIN CLEANING
CATCH BASIN CLEANING PROPOSAL FORM

Company Name and Address: United Storm Water, Inc.
14000 E. Valley Blvd.
Industry, CA 91746

Company: United Storm Water, Inc.

Proposal pricing shall be based on a per catch basin costs and shall include the following work to be performed:

Each Company shall inspect and clear all debris in catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract a minimum of one time between May 1 and September 30 of each year. In addition, the Company shall perform one inspection of all catch basins within the jurisdiction of the Contracting Agencies with which the Company has entered into a contract during the months of October, January, and April. The Company shall immediately clean any catch basin sumps found to have a blocked screened inlet, screened outlet, or be at least forty percent (40%) full of trash and debris. The Company shall not perform repair, maintenance or other work that would require a Contractor's License or the payment of prevailing wages. The Company shall report to the appropriate Contracting Agency any damaged catch basin screens and missing stenciling requirements. The Company shall report evidence of rodents and/or vectors breeding/living in the storm drain system to the appropriate Contracting Agencies within twenty-four (24) hours of discovery.

The Company shall take a photo documenting the before and after conditions of all debris cleaning, from the same vantage points, in an amount not less than five (5) of each condition. All photos shall be at least 4 megapixel (MP) in quality, in peg (.jpg) format, and submitted with the invoice to the appropriate Contracting Agency.

Proposal prices shall be guaranteed.

	Unit Price	# of CB	Extended Price
ARS Catch Basin ...	\$ <u>30.00</u> each	1000	\$ <u>30,000.00</u>
CPS Catch Basin ...	\$ <u>30.00</u> each	5000	\$ <u>150,000.00</u>
ARS & CPS Catch Basin ...	\$ <u>30.00</u> each	4000	\$ <u>120,000.00</u>
Non-retrofitted Catch Basin ...	\$ <u>30.00</u> each	3338	\$ <u>100,140.00</u>
	TOTAL		\$ <u>400,140.00</u>



Authorized Signature

10/30/17

Date

16401 Paramount Boulevard
 Paramount, CA 90723
 562.663.6850 phone
 562-634-8216 fax

www.gatewaywater.org



*Los Angeles Gateway Region
 Integrated Regional Water Management
 Joint Powers Authority*

ANNOUNCEMENT OF OPPORTUNITY TO ACCESS PROPOSAL PRICING FOR
CATCH BASIN CLEANING

To: Director of Public Works
 From: Grace J. Kast, Executive Officer
 GWMA
 Subject: Municipal Storm Sewer Catch Basin Cleaning
 Date: November 9, 2017

The Gateway Water Management Authority “GWMA” is a coalition of municipalities and water agencies responsible for the regional water planning needs of 2 million people in the Gateway Region of Southeast Los Angeles County. While current membership is 29 voting members comprised of cities and water agencies, the interests, activities and services of the GWMA expand to the entire region regardless of membership.

Earlier this year, the GWMA Board directed staff to prepare and issue a Request for Proposal for catch basin cleaning. The Board felt it was necessary and prudent to solicit competitive pricing on behalf of the entire region’s cities for retrofitted and non-retrofitted catch basin cleaning. GWMA’s role is limited to conducting the competitive proposal process with the Board accepting the proposers that meet the requirements. **GWMA is not the contracting agency.** But rather, it is presenting the results of the Request for Proposal process to all Gateway Region cities wishing to take advantage of the competitive pricing. In the event the city wishes to avail themselves of this process, each city is free to contact and/or to enter into contracts with any of the three proposers (see below).

For purposes of the Catch Basin Cleaning proposal process and in order to take advantage of the pricing, eligibility is limited to the following Gateway regional cities:

Artesia, Bell, Bell Gardens, Bellflower, Cerritos, Commerce, Compton, Cudahy, Downey, Hawaiian Gardens, Huntington Park, La Mirada, Lakewood, Long Beach, Lynwood, Maywood, Montebello, Norwalk, Paramount, Pico Rivera, Santa Fe Springs, Signal Hill, South Gate, Vernon, and Whittier.

Christopher Cash (Paramount), Board Chair • Adriana Figueroa (Norwalk), Vice-Chair • Kelli Tunnicliff (Signal Hill), Secretary/Treasurer
 Proudly serving Gateway cities and agencies in Southeastern Los Angeles County

Members: Artesia · Avalon · Bell · Bell Gardens · Bellflower · Central Basin Municipal Water District · Cerritos · Commerce · Cudahy · Downey · Hawaiian Gardens · Huntington Park · La Mirada · Maywood · Lakewood · Long Beach · Long Beach Water Department · Lynwood · Montebello · Norwalk · Paramount · Pico Rivera · Pico Water District · Santa Fe Springs · Signal Hill · South Gate · Vernon · Water Replenishment District of Southern California · Whittier

With Technical Support From The Sanitation Districts Of Los Angeles County

16401 Paramount Boulevard
Paramount, CA 90723
562.663.6850 phone
562-634-8216 fax



www.gatewaywater.org

*Los Angeles Gateway Region
Integrated Regional Water Management
Joint Powers Authority*

To that end, the Board presents the following proposals. All three proposers meet the proposal requirements as set forth in the documents enclosed herein:

Ron's Maintenance, Inc.
P.O. Box 4562
Downey, CA 90241
Phone: 562-861-2430
Fax: 562-861-2418
Email: ronsmaintenance@aol.com

Catch Basin Cleaning Prices:

ARS Catch Basins	\$16.00 per cleaning
CPS Catch Basin	\$16.00 per cleaning
ARS & CPS Catch Basin	\$16.00 per cleaning
Non-retrofitted Catch Basins	\$13.00 per cleaning

Christopher Cash (Paramount), Board Chair • Adriana Figueroa (Norwalk), Vice-Chair • Kelli Tunnicliff (Signal Hill), Secretary/Treasurer
Proudly serving Gateway cities and agencies in Southeastern Los Angeles County

Members: Artesia · Avalon · Bell · Bell Gardens · Bellflower · Central Basin Municipal Water District · Cerritos · Commerce · Cudahy · Downey · Hawaiian Gardens · Huntington Park · La Mirada · Maywood · Lakewood · Long Beach · Long Beach Water Department · Lynwood · Montebello · Norwalk · Paramount · Pico Rivera · Pico Water District · Santa Fe Springs · Signal Hill · South Gate · Vernon · Water Replenishment District of Southern California · Whittier

With Technical Support From The Sanitation Districts Of Los Angeles County

16401 Paramount Boulevard
Paramount, CA 90723
562.663.6850 phone
562-634-8216 fax

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United Storm Water, Inc.
14000 E. Valley Blvd.
City of Industry, CA 91746
Phone: 626-961-9326
Fax: 626-961-3166
Email: terry@unitedstormwater.com

Catch Basin Cleaning Prices:

ARS Catch Basins	\$30.00 per cleaning
CPS Catch Basin	\$30.00 per cleaning
ARS & CPS Catch Basin	\$30.00 per cleaning
Non-retrofitted Catch Basins	\$30.00 per cleaning

Nationwide Environmental Services
11914 Front Street
Norwalk, CA 90650
Phone: 562-860-0604
Fax: 562-868-5726
Email: ani@nes-sweeping.com

Catch Basin Cleaning Prices:

ARS Catch Basins	\$36.00 per cleaning
CPS Catch Basin	\$36.00 per cleaning
ARS & CPS Catch Basin	\$36.00 per cleaning
Non-retrofitted Catch Basins	\$36.00 per cleaning

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In the list of documents below which can be found on our website, you will find a staff report to the GWMA Board dated November 9, 2017, which describes the proposal process. In addition, the documents pertaining to the proposal process, including the description of work to be included in the pricing, can also be found on our website. If your city wishes to utilize the competitive pricing from GWMA's RFP process, please contact the proposer directly to enter into a contract with your city.

We hope that you will find this type of service to our region's cities helpful. If you have any questions, or need more information, please do not hesitate to contact Bibi Weiss at bibiweiss.gateway@gmail.com.

All Documents listed below can be found and downloaded from www.gatewaywater.org "Request for Proposal – Municipal Storm Sewer Catch Basin Cleaning".

- Staff Letter to GWMA Board regarding the proposal process
- Proposal analysis
- Request for Proposal
- Description of Work
- Instructions to Proposals
- Q & A
- Proposal from each responsive proposer (3 proposers)

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