AGENDA

Garden Grove Sanitary District
Board of Directors

Tuesday, May 24, 2022

6:30 PM

Community Meeting Center, 11300 Stanford Avenue, Garden Grove, California 92840

COVID-19 Information: Members of the public can address the City Council during the public comment portion of the meeting in person or via e-mail. If you plan to attend the meeting in person, masks or face coverings are required to be worn if you are not vaccinated. If you feel ill or are showing symptoms of COVID-19, please consider submitting comments by e-mail. Instructions are available on the City's website at https://ggcity.org/city-council/meetings-participation

Meeting Assistance: Any person requiring auxiliary aids and services, due to a disability, to address the City Council, should contact the City Clerk's Office 72 hours prior to the meeting to arrange for accommodations. Phone: (714) 741-5040.

Agenda Item Descriptions: Are intended to give a brief, general description of the item. The City Council may take legislative action deemed appropriate with respect to the item and is not limited to the recommended action indicated in staff reports or the agenda.

Documents/Writings: Any revised or additional documents/writings related to an item on the agenda distributed to all or a majority of the Council Members within 72 hours of a meeting, are made available for public inspection at the same time (1) in the City Clerk's Office at 11222 Acacia Parkway, Garden Grove, CA 92840, during normal business hours; (2) on the City's website as an attachment to the City Council meeting agenda; and (3) at the Council Chamber at the time of the meeting.

Public Comments: Members of the public who attend the meeting in-person and would like to address the City Council are requested to complete a pink speaker card indicating their name and address, and identifying the subject matter they wish to address. This card should be given to the City Clerk before the meeting begins. General comments are made during "Oral Communications" and should be limited to matters under consideration and/or what the City Council has jurisdiction over. Persons wishing to address the City Council regarding a Public Hearing matter will be called to the podium at the time the matter is being considered.

Manner of Addressing the City Council: After being called by the Mayor, you may approach the podium, it is requested that you state your name for the record, and proceed to address the City Council. All remarks and questions should be addressed to the City Council as a whole and not to

individual Council Members or staff members. Any person making impertinent, slanderous, or profane remarks or who becomes boisterous while addressing the City Council shall be called to order by the Mayor.If such conduct continues, the Mayor may order the person barred from addressing the City Council any further during that meeting.

Time Limitation: When any group of persons wishes to address the City Council on the same subject matter, the Mayor may request a spokesperson be chosen to represent the group, so as to avoid unnecessary repetition.At the City Council's discretion, a limit on the total amount of time for public comments during Oral Communications and/or a further limit on the time allotted to each speaker during Oral Communications may be set.

PLEASE SILENCE YOUR CELL PHONES DURING THE MEETING.

AGENDA

Open Session

6:30 PM

ROLL CALL: MEMBER BRIETIGAM, MEMBER BUI, MEMBER JONES, MEMBER KLOPFENSTEIN, MEMBER K. NGUYEN, VICE PRESIDENT D. NGUYEN, PRESIDENT O'NEILL

1. ORAL COMMUNICATIONS (to be held simultaneously with other legislative bodies)

2. CONSENT ITEMS

   (Consent Items will be acted on simultaneously with one motion unless separate discussion and/or action is requested by a Sanitary District Member.)

   2.a. Approval of Amendment No.1 to an Agreement with Gannett Fleming, Inc. for professional engineering services, civil engineering design, and construction management and inspection for the Sewer System Rehabilitation Plan Phase 1, Sewer Main Lining and Spot Repair Project Nos. 3 & 4. (Cost: $85,553) (*Action Item*)

3. ITEMS FOR CONSIDERATION

   3.a. Award of contracts to DUDEK and JIG Consultants for on-call construction management and inspection services for various sewer and water projects. (Cost: $500,000 each contract) (*Joint Action Item with the City Council*)

4. MATTERS FROM THE PRESIDENT, BOARD MEMBERS AND GENERAL MANAGER

5. ADJOURNMENT

   The next Regular Sanitary District Meeting is Tuesday, June 28, 2022, at 5:30 p.m. in the Community Meeting Center, 11300 Stanford Avenue, Garden Grove, California, 92840.

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	William E. Murray
Dept.:	General Manager	Dept.:	Public Works
Subject:	Approval of Amendment No.1 to an Agreement with Gannett Fleming, Inc. for professional engineering services, civil engineering design, and construction management and inspection for the Sewer System Rehabilitation Plan Phase 1, Sewer Main Lining and Spot Repair Project Nos. 3 & 4. (Cost: $85,553) (*Action Item*)	Date:	5/24/2022

OBJECTIVE

To request Sanitary District Board approval of Amendment No. 1 to an agreement with Gannett Fleming, Inc. to provide professional engineering services including civil engineering design and construction management/inspection for the Sewer System Rehabilitation Plan Phase 1, Sewer Main Lining and Spot Repair Project Nos. 3 & 4.

BACKGROUND

The Sewer System Rehabilitation Plan (SSRP) Phase 1 study was completed in July 2017. The study identified a list of replacement and lining projects with spot repairs. The Sewer System Rehabilitation Plan Phase 1, Sewer Main Lining Project Nos. 3 & 4 are two of the proposed projects. These projects are in a residential area bounded by Dale Street, Brookhurst Street, Trask Avenue, and Lampson Avenue. The overall length of both projects is approximately 22,813 linear feet. The work includes, but is not limited to, lining of 8-inch and 10-inch VCP pipe, spot repairs, moving and replacing sections of existing sewer mains, restoring existing sewer laterals after repair/lining, root removal, and repair of intruding laterals and manhole channels.

DISCUSSION

The Sanitary District's Operation and Maintenance Program identified four sewer

main reaches and 30 sewer laterals that needed emergency sewer repairs. The District has requested that the consultant perform additional service to provide feasibility evaluation, construction management, and inspection services for the emergency sewer repair work.

Based on the amended scope of work, the total compensation amount of the agreement is increased from $301,049 to $386,602, which reflects an increase in compensation of $85,050 for Amendment No. 1 to cover the additional services to be provided by the consultant.

FINANCIAL IMPACT

There is no impact to the General Fund. This cost and will be financed with Sewer Funds in the amount of $85,553.

RECOMMENDATION

It is recommended that the Sanitary District Board:

- Approve Amendment No. 1 to the existing agreement with Gannett Fleming, Inc. to provide professional engineering services including civil engineering design and construction management/inspection for the Sewer System Rehabilitation Plan Phase 1 Sewer Main Lining and Spot Repair Project Nos. 3 & 4, in the amount of $85,553; and

- Authorize the General Manager to execute the Amendment No. 1 to the professional services agreement on behalf of the Sanitary District and make minor modifications as appropriate.

By: Liyan Jin, Associate Engineer

ATTACHMENTS:

Description	Upload Date	Type	File Name
Contract Amendment No. 1	5/13/2022	Agreement	Contract_Amendment_No.1-_GF_(Revised)_05_13_2022.pdf

AMENDMENT 1 TO
GANNETT FLEMING
PROFESSIONAL ENGINEERING DESIGN AND CONSTRUCTION MANAGEMENT/INSPECTION SERVICES FOR THE SEWER SYSTEM REHABILITATION PLAN PHASE 1 SEWER MAIN LINING AND SPOT REPAIR PROJECT NO.3 & 4

THIS AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT between the GARDEN GROVE SANITARY DISTRICT and GANNETT FLEMING, INC., is made and entered into, to be effective the 24th day of May, 2022, as follows:

RECITALS

WHEREAS, the Garden Grove Sanitary District ("District") has employed Gannett Fleming, Inc. ("Consultant") to perform Civil Engineering Design, Construction Management, and Inspection Services for Sewer System Rehabilitation Plan Phase 1, Sewer Main Lining and Spot Repair Project No. 3 & 4 pursuant to that agreement dated August 25, 2020 (the "Agreement"); and

WHEREAS, the District has requested that Consultant to perform additional services identified in the attached proposal (Additional Construction Management and Inspection hours needed due to emergency sewer line repair work added to the contract); and

WHEREAS, the District and Consultant have agreed to the proposal and to increase compensation to cover the additional services.

AMENDMENT

NOW, THEREFORE, in consideration of the promises and mutual covenants contained herein, the Scope of Work is hereby amended pursuant to Attachment 1, incorporated herein by reference. Based on the amended Scope of Work, the total compensation amount of the Agreement is increased to a not to exceed amount of $386,602, which reflects an increase in compensation of $85,553 for Amendment 1 to cover the additional services to be provided by Consultant.

All provisions of the Agreement not affected herein shall remain in full force and effect.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the parties hereto have executed this Amendment to the Civil Engineering Design, Construction Management, and Inspection Services for Sewer System Rehabilitation Plan Phase 1, Sewer Main Lining and Spot Repair Project No. 3 & 4 Agreement at Garden Grove, California.

CITY of GARDEN GROVE

By: _____
General Manager

ATTEST:

By: _____
District Secretary

Approved as to form:

Date: _____

_____
Garden Grove Sanitary District
General Counsel

Gannett Fleming, Inc.

By: _____
Its: _____

Date: _____

By: _____
Its: _____

GANNETT FLEMING

Irvine Spectrum
20 Pacifica
Suite 430
Irvine, CA 92618
P 949.317.1461 | **F** 760.682.3230

gannettfleming.com

May 3, 2022

Ms. Liyan Jin, P.E.
City of Garden Grove
Public Works Department, Water Services Division
13802 Newhope Street
Garden Grove, CA 92843

Re: Sewer System Rehabilitation Plan Phase I
Sewer Main Lining and Spot Repair Projects 3 & 4
Change Order #1 Request

Dear Ms. Jin,

As discussed at our Weekly Progress Meeting on April 11, 2022, Gannett Fleming is requesting a change order to Purchase Order P200410. A change order is warranted due to the additional work added over the duration of the contract. Based on the work remaining, the current projected substantial completion date for the project is June 10, 2022, with a final acceptance date of June 17, 2022. For the work added to the contract, Gannett Fleming performed tasks normally associated with the design phase of the project. Examples of these tasks are review of Pre-CCTV for added segments, providing recommendations for possible rehabilitation/replacement options and review of current project specifications to ensure recommended work is covered and within scope. This would allow the City of Garden Grove to allow Gannett Fleming to transfer the unused $20,397 designated for Design Extra Monies under the original purchase order to the Construction Management phase of the contract. This would lower the overall change order request significantly.

The following table shows the hours and associated dollar amounts for Gannett Fleming to complete the construction management and inspection for the project:

	WORK HOURS BY CLASSIFICATION				FEES		
NO.	DESCRIPTION	Mike Trail	Bill Fernandez	TOTAL HOURS	LABOR	Expenses (DIRECT COSTS)	TOTAL COST
	RATE	$ 175	$ 175				
5.0	CONSTRUCTION MANAGEMENT						
5.1	Construction Manager	108		108	$ 18,900		$ 18,900
5.2	Construction Inspector		486	486	$ 85,050	$ 2,000	$ 87,050
				Subtotal			$ 105,950
				Design Extra Monies Not Used			$ (20,397)
				Change Order Amount			$ 85,553

The new substantial completion date is 49 workdays (Memorial Day not included) past the original date. The final acceptance date is projected to add five more workdays to complete punch list items and project close out. This will add a total of 54 workdays. The average number of hours our inspector has worked each day is nine hours. The average number of hours used for the daily management of the contract is two hours. As reflected in the table above, Gannett Fleming respectfully requests a change order in the amount of $85,553. Should the substantial completion date slip even further due to weather, or contractor's schedule, we reserve the right to request additional monies to cover the construction management and inspection costs through the completion of the contract.

Should you have any question, please contact me directly at 301.458.1555, or by email at mtrail@gfnet.com.

Sincerely,

Michael Trail, CCM
Construction Manager

Cc: Jerry Pascoe, Gannett Fleming, Inc.
Carolina Cubides, Gannett Fleming, Inc.
Jennifer Saldivar, Gannett Fleming, Inc.

City of Garden Grove

INTER-DEPARTMENT MEMORANDUM

To:	Scott C. Stiles	From:	William E. Murray
Dept.:	General Manager/City Manager	Dept.:	Public Works
Subject:	Award of contracts to DUDEK and JIG Consultants for on-call construction management and inspection services for various sewer and water projects. (Cost: $500,000 each contract) (*Joint Action Item with the City Council*)	Date:	5/24/2022

OBJECTIVE

To recommend the Sanitary District Board and the City Council approve two contracts to 1) DUDEK and 2) JIG Consultants to provide on-call part time construction management services and full time inspection services for various water and sewer capital improvement projects and development and tenant improvement projects.

BACKGROUND

The City of Garden Grove and Garden Grove Sanitary District Board anticipate steadily awarding the construction of various water and sewer capital improvement projects in the upcoming years. The variety of projects include sewer main replacement to address insufficient capacity and poor pipe condition, water main replacement to increase fire flow and water facility rehabilitation due for upgrades. On-call construction management and inspection services will make resources available to carry out these projects to completion when City/District Staff are not available. These services will also support in-house inspectors during inspection of new developments and tenant improvement projects. Service requests will be made as needed and can be used for the entire construction phase of a project or short term. The workload varies over time, so there may be periods where there is less or no work. The selected firms will be flexible but available to provide support when needed.

DISCUSSION

Staff requested proposals from four (4) firms to provide construction management and inspection services. All four (4) solicited consultants submitted proposals. A panel of three (3) members rated the submitted proposals on the basis of qualifications without considering cost. The two (2) firms that were rated highest have been selected to provide construction management and inspection services. Based on evaluation results, DUDEK rated highest in qualifications and JIG Consultants second highest in its ability to provide construction management and inspection services for various project in an as-needed basis. The following is a summary of the ratings with the highest total being the most qualified:

	DUDEK	JIG Consultants	ARDURRA	GANNETT FLEMING
	San Juan Capistrano, CA	Orange, CA	Newport Beach, CA	Irvine, CA
Rater A	170	166.5	159	150.5
Rater B	179.25	181.63	178.25	178.25
Rater C	174	174.5	173.5	173.5
Totals	**523.25**	**522.63**	**510.75**	**502.25**

FINANCIAL IMPACT

There is no impact to the General Fund. Compensation for the services will be funded from the capital budget of the specific project. All projects are included in the 2022-2023 Capital Improvement Budget, financed with Sewer and Water Funds, in the not-to-exceed amount of $500,000 for each firm.

RECOMMENDATION

It is recommended that the Sanitary District Board and the City Council:

- Award a contract for on-call professional construction management and inspection services to DUDEK in the amount of $500,000;
- Award a contract for on-call professional construction management and inspection services to JIG Consultants in the amount of $500,000; and
- Authorize the General Manager/City Manager to execute the agreements on behalf of the District/City and make minor modifications as appropriate.

By: Jessica Polidori, Associate Engineer

ATTACHMENTS:

Description	Upload Date	Type	File Name

Consultant Agreement - Dudek	5/17/2022	Agreement	2020_STANDARD_AGREEMENT_(CITYGGSD)_DUDEK.pdf
Dudek Proposal	5/17/2022	Exhibit	Proposal_DUDEK.pdf
Consultant Agreement - JIG	5/17/2022	Agreement	2020_STANDARD_AGREEMENT_(CITYGGSD)_JIG_Consultants_Signed.pdf
JIG Proposal	5/17/2022	Exhibit	Exhibit_A_JIG_Consultants_Proposal.pdf

CONSULTANT AGREEMENT

THIS AGREEMENT is made this **24** day of **May** 2022, by the CITY OF GARDEN GROVE, a municipal corporation, ("CITY") and the GARDEN GROVE SANITARY DISTRICT BOARD, a California special district ("DISTRICT"), and DUDEK, a California Corporation ("CONSULTANT").

RECITALS

The following recitals are a substantive part of this Agreement:

1. This Agreement is entered into pursuant to the City and Board authorization dated **May 24, 2022**.

2. CITY and DISTRICT desires to utilize the services of CONSULTANT to provide **On-Call Construction Management and Inspection Services for Various Water and Sewer Improvement Projects**

3. CONSULTANT is qualified by virtue of experience, training, education and expertise to accomplish services.

AGREEMENT

THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. **Term of Agreement:** This Agreement shall cover services rendered from date of this Agreement until the services are completed, compensation reaches the not to exceed amount, or sooner terminated per Section 3.5

2. **Services to be Provided:** The services to be performed by CONSULTANT shall consist of the services as further specified in CONSULTANT'S proposal attached hereto as **Exhibit A** and incorporated herein by reference. CONSULTANT agrees that is provision of Services under this agreement shall be within accepted accordance with customary and usual practices in CONSULTANT'S profession. By executing this Agreement, CONSULTANT warrants that it has carefully considered how the work should be performed and fully understands the facilities, difficulties, and restrictions attending performance of the work under this agreement.

3. **Compensation.** CONSULTANT shall be compensated as follows:

   3.1 Amount. Compensation under this Agreement shall be per fee schedule included in the Proposal.

   3.2 Not to Exceed. Compensation under this Agreement shall not exceed **$500,000**.

3.3 Payment. For work under this Agreement, payment shall be made per monthly invoice. For extra work not a part of this Agreement, a written authorization by CITY/DISTRICT will be required.

3.4 Records of Expenses. CONSULTANT shall keep complete and accurate records of payroll costs, travel and incidental expenses. These records will be made available at reasonable times to CITY/DISTRICT.

3.5 Termination. DISTRICT and CONSULTANT shall each have the right to terminate this Agreement, without cause, by giving thirty-(30) days written notice of termination to the other party. If CITY/DISTRICT terminates the project, then the provisions of paragraph 3 shall apply to that portion of the work completed.

4. **Insurance Requirements**

4.1 Commencement of Work CONSULTANT shall not commence work under this Agreement until all certificates and endorsements have been received and approved by the CITY/DISTRICT. All insurance required by this Agreement shall require the carrier or agent to notify the CITY/DISTRICT of any material change, cancellation, or termination at least thirty (30) days in advance.

4.2 Workers Compensation Insurance For the duration of this Agreement, CONSULTANT and all subcontractors shall maintain Workers Compensation Insurance in the amount and type required by law, if applicable. The insurer shall waive its rights of subrogation against the CITY/DISTRICT, its officers, officials, agents, employees, and volunteers.

4.3 Insurance Amounts CONSULTANT shall maintain the following insurance for the duration of this Agreement:

a) Commercial general liability in the amount of $1,000,000 per occurrence; (claims made and modified occurrence policies are not acceptable); Insurance companies must be admitted and licensed in California and have a Best's Guide Rating of A-, Class VII or better, as approved by the CITY/DISTRICT;

b) Automobile liability in the amount of $1,000,000 per occurrence; (claims made and modified occurrence policies are not acceptable) Insurance companies must be admitted and licensed in California and have a Best's Guide Rating of A-, Class VII or better, as approved by the CITY/DISTRICT.

c) Professional liability in the amount of $1,000,000 per occurrence; Insurance companies must be acceptable to CITY/DISTRICT and have an AM Best's Guide Rating of A-, Class VII or better, as approved by the CITY/DISTRICT. If the policy is written on a

"claims made" basis, the policy shall be continued in full force and effect at all times during the term of the agreement, and for a period of three (3) years from the date of the completion of services provided. In the event of termination, cancellation, or material change in the policy, professional/consultant shall obtain continuing insurance coverage for the prior acts or omissions of professional/consultant during the course of performing services under the term of the agreement. The coverage shall be evidenced by either a new policy evidencing no gap in coverage, or by obtaining separate extended "tail" coverage with the present or new carrier.

An Additional Insured Endorsement, **ongoing and completed operations,** for the policy under section 4.3 (a) shall designate CITY/DISTRICT, its officers, officials, employees, agents, and volunteers as additional insureds for liability arising out of work or operations performed by or on behalf of the CONSULTANT. CONSULTANT shall provide to CITY/DISTRICT proof of insurance and endorsement forms that conform to CITY/DISTRICT's requirements, as approved by the CITY/DISTRICT.

An Additional Insured Endorsement for the policy under section 4.3 (b) shall designate CITY/DISTRICT, its officers, officials, employees, agents, and volunteers as additional insureds for automobiles owned, lease, hired, or borrowed by CONSULTANT. CONSULTANT shall provide to CITY/DISTRICT proof of insurance and endorsement forms that conform to CITY/DISTRICT's requirements, as approved by the CITY/DISTRICT.

For any claims related to this Agreement, CONSULTANT's insurance coverage shall be primary insurance as respects to CITY/DISTRICT, its officers, officials, employees, agents, and volunteers. Any insurance or self-insurance maintained by the CITY/DISTRICT, its officers, officials, employees, agents, or volunteers shall be excess of the CONSULTANT's insurance and shall not contribute with it.

If CONSULTANT maintains higher insurance limits than the minimums shown above, CONSULTANT shall provide coverage for the higher insurance limits otherwise maintained by the CONSULTANT.

5. **Non-Liability of Officials and Employees of the DISTRICT.** No official or employee of DISTRICT shall be personally liable to CONSULTANT in the event of any default or breach by CITY/DISTRICT, or for any amount, which may become due to CONSULTANT.

6. **Non-Discrimination.** CONSULTANT covenants there shall be no discrimination against any person or group due to race, color, creed, religion, sex, marital status, age, handicap, national origin or ancestry, in any activity pursuant to this Agreement.

7. **Independent Contractor.** It is understood and agreed that CONSULTANT, including CONSULTANT's employees, shall act and be independent contractor(s) and not agent(s) or employee(s) of CITY/DISTRICT, and that no relationship of employer-employee exists between the parties. CONSULTANT's assigned personnel shall not obtain or be entitled to any rights or benefits that accrue to, or are payable to, CITY/DISTRICT employees, and CONSULTANT shall so inform each employee organization and each employee who is hired or retained under this Agreement. CITY/DISTRICT is not required to make any deductions or withholdings from the compensation payable to CONSULTANT under the provisions of this Agreement, and is not required to issue W-2 Forms for income and employment tax purposes for any of CONSULTANT's assigned personnel. CONSULTANT hereby expressly assumes all responsibility and liability for the payment of wages and benefits to its assigned personnel, and all related reporting and withholding obligations. CONSULTANT hereby agrees to indemnify and hold CITY/DISTRICT harmless from any and all claims or liabilities that DISTRICT may incur arising from any contention by any third party, including, but not limited to, any employee of CONSULTANT or any federal or state agency or other entity, that an employer-employee relationship exists by reason of this Agreement, including, without limitation, claims that CITY/DISTRICT is responsible for retirement or other benefits allegedly accruing to CONSULTANT's assigned personnel.

8. **Compliance With Law.** CONSULTANT shall comply with all applicable laws, ordinances, codes and regulations of the federal, state and local government. CONSULTANT shall comply with, and shall be responsible for causing all contractors and subcontractors performing any of the work pursuant to this Agreement, if any, to comply with, all applicable federal and state labor standards, including, to the extent applicable, the prevailing wage requirements promulgated by the Director of Industrial Relations of the State of California Department of Labor. The CITY/DISTRICT makes no warranty or representation concerning whether any of the work performed pursuant to this Agreement constitutes public works subject to the prevailing wage requirements.

9. **Disclosure of Documents.** All documents or other information developed or received by CONSULTANT are confidential and shall not be disclosed without authorization by CITY/DISTRICT, unless disclosure is required by law.

10. **Ownership of Work Product.** All documents or other information developed or received by CONSULTANT shall be the property of CITY/DISTRICT. CONSULTANT shall provide DISTRICT with copies of these items upon demand or upon termination of this Agreement.

11. **Conflict of Interest and Reporting.** CONSULTANT shall at all times avoid conflict of interest or appearance of conflict of interest in performance of this Agreement.

12. **Notices.** All notices shall be personally delivered or mailed to the below listed addresses, or to such other addresses as may be designated by written notice. These addresses shall be used for delivery of service of process.

(a) Address of CONSULTANT is as follows:

DUDEK
George Litzinger
27372 Calle Arroyo
San Juan Capistrano, CA 92675

(b) Address of DISTRICT is as follows (with a copy to):

Engineering:	General Counsel
Garden Grove Sanitary Dist.	Garden Grove Sanitary District
P.O. Box 3070	P.O. Box 3070
Garden Grove, CA 92840	Garden Grove, CA 92840

(c) Address of CITY is as follows (with a copy to):

Water Services	City Attorney
City of Garden Grove	City of Garden Grove
P.O. Box 3070	P.O. Box 3070
Garden Grove, CA 92840	Garden Grove, CA 92840

13. **CONSULTANT'S Proposal.** This Agreement shall include CONSULTANT'S proposal, Exhibit "A" hereto, which shall be incorporated herein. In the event of any inconsistency between the terms of the proposal and this Agreement, this Agreement shall govern.

14. **Licenses, Permits and Fees.** At its sole expense, CONSULTANT shall obtain a **Garden Grove Business License**, all permits and licenses as may be required by this Agreement.

15. **Familiarity With Work.** By executing this Agreement, CONSULTANT warrants that: (1) it has investigated the work to be performed; (2) it has investigated the site of the work and is aware of all conditions there; and (3) it understands the facilities, difficulties and restrictions of the work under this Agreement. Should CONSULTANT discover any latent or unknown conditions materially differing from those inherent in the work or as represented by CITY/DISTRICT, it shall immediately inform CITY/DISTRICT of this and shall not proceed, except at CONSULTANT's risk, until written instructions are received from CITY/DISTRICT.

16. **Time of Essence.** Time is of the essence in the performance of this Agreement.

17. **Limitations Upon Subcontracting and Assignment.** The experience, knowledge, capability and reputation of CONSULTANT, its principals and employees were a substantial inducement for CITY/DISTRICT to enter into this Agreement. CONSULTANT shall not contract with any other entity to perform the services required without written approval of the CITY/DISTRICT. This

Agreement may not be assigned voluntarily or by operation of law, without the prior written approval of CITY/DISTRICT. If CONSULTANT is permitted to subcontract any part of this Agreement, CONSULTANT shall be responsible to CITY/DISTRICT for the acts and omissions of its subcontractor as it is for persons directly employed. Nothing contained in this Agreement shall create any contractual relationship between any subcontractor and CITY/DISTRICT. All persons engaged in the work will be considered employees of CONSULTANT. CITY/DISTRICT will deal directly with and will make all payments to CONSULTANT.

18. **Authority to Execute.** The persons executing this Agreement on behalf of the parties warrant that they are duly authorized to execute this Agreement and that by executing this Agreement, the parties are formally bound.

19. **Indemnification.** To the fullest extent permitted by law, CONSULTANT agrees to protect, defend, and hold harmless CITY/DISTRICT and its elective or appointive boards, officers, agents, and employees from any and all claims, liabilities, expenses, or damages of any nature, including attorneys' fees, for injury or death of any person, or damages of any nature, including interference with use of property, arising out of, or in any way connected with the negligence, recklessness and/or intentional wrongful conduct of CONSULTANT, CONSULTANT'S agents, officers, employees, subcontractors, or independent contractors hired by CONSULTANT in the performance of the Agreement. The only exception to CONSULTANT'S responsibility to protect, defend, and hold harmless CITY/DISTRICT, is due to the negligence, recklessness and/or wrongful conduct of CITY/DISTRICT, or any of its elective or appointive boards, officers, agents, or employees.

This hold harmless agreement shall apply to all liability regardless of whether any insurance policies are applicable. The policy limits do not act as a limitation upon the amount of indemnification to be provided by CONSULTANT. Notwithstanding the foregoing, with respect to any professional liability claim or lawsuit, this indemnity does not include providing the primary defense of City, provided, however, Consultant shall be responsible for City's defense costs to the extent such costs are incurred as a result of Consultant's negligence, recklessness or willful misconduct.

20. **Modification.** This Agreement constitutes the entire agreement between the parties and supersedes any previous agreements, oral or written. This Agreement may be modified only by subsequent mutual written agreement executed by CITY/DISTRICT and CONSULTANT.

21. **Waiver.** All waivers of the provisions of this Agreement must be in writing by the appropriate authorities of the CITY/DISTRICT and CONSULTANT.

22. **California Law.** This Agreement shall be construed in accordance with the laws of the State of California. Any action commenced about this Agreement shall be filed in the central branch of the Orange County Superior Court.

23. **Interpretation.** This Agreement shall be interpreted as though prepared by both parties

24. **Preservation of Agreement.** Should any provision of this Agreement be found invalid or unenforceable, the decision shall affect only the provision interpreted, and all remaining provisions shall remain enforceable.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS THEREOF, these parties hereto have caused this Agreement to be executed as of the date set forth opposite the respective signatures.

"CITY/DISTRICT"
CITY OF GARDEN GROVE
GARDEN GROVE SANITARY DIST.

Dated: , 2022

By: _____
City Manager/General Manager

ATTEST

_____
Secretary

Dated: _____ , 2022

"CONSULTANT"
DUDEK

By: _____
Title: _____

Dated: _____ , 2022

APPROVED AS TO FORM:

_____

If CONSULTANT/CONTRACTOR is a corporation, a Corporate Resolution and/or Corporate Seal is required. If a partnership, Statement of Partnership must be submitted to CITY/DISTRICT

General Counsel

Dated: _____ , 2022

EXHIBIT A

Cover Letter

April 14, 2022

Ms. Jessica Polidori
Utilities Engineer
City of Garden Grove
13802 Newhope Street
Garden Grove, California 92843

Subject: Proposal to Provide On-Call Construction Management and Inspection Services for Various Water and Sewer Improvements Projects

Dear Ms. Polidori,

Dudek appreciates the opportunity to submit this proposal to provide On-Call Construction Management and Inspection Services for the City of Garden Grove (City). We currently have several as-needed contracts with neighboring cities, including Anaheim and Huntington Beach, with the opportunity to share resources and potential cost savings in managing the City's projects. We have managed and inspected numerous water, sewer, water facility, and developer projects in Orange County over the years and are very familiar with the area, utility companies and potential stakeholders. Several of our construction management and inspection staff reside in Orange County and have worked for cities in the area. They are familiar with the local contractors and geographic areas.

In addition, our construction managers and inspectors can tap our other divisions that provide an array of environmental, civil engineering, water quality and hazardous waste services should they need the support during construction.

City's Project's and Approach to On-Call Services

We have reviewed the sewer and water projects listed in the RFP and are currently providing construction management and inspection services on very similar projects throughout Southern California. Our approach is to provide proactive construction management and inspection services that deliver projects on-time and within budget. The issues today with material shortages and rising prices present challenges on every current construction project; we will address this issue head-on with the contractors at the start of each project. Getting agreements and letters of understanding on these issues with the contractor at the start of the project minimizes delays and change orders down the road.

We have extensive experience working on as-needed contracts with many counties, cities, water districts, wastewater agencies, and special districts. The key is to be flexible and maintain a staff that can respond to the client's needs at a moment's notice. We routinely receive requests where the agency needs assistance to cover vacations, night work or unexpected project schedules and our team is ready to answer the call. We expand the City's ability to tackle projects with highly skilled staff and expedite the projects to completion. We provide seamless integration into your agency's processes and train our professionals to first, understand how the City processes work, and second, apply our expertise within that structure. The result is maximized efficiency without

sacrificing valuable time and energy. Our method of integration has led to more than 160 successful municipal as-needed contracts, several of which have extended past 15 years.

Delivery of Services

Delivery of services for our staff will work primarily out of our Orange County and San Marcos offices.

Corporate Headquarters	**San Marcos Office (CM HQ)**	**Orange County Office**
605 Third Street	1645 S. Rancho Santa Fe Rd.	27372 Calle Arroyo
Encinitas, CA 92024	San Marcos, CA 92078	San Juan Capistrano, CA 92675

Joe Monaco, President, is authorized to bind the firm. Mr. Monaco designates George Litzinger, Project Principal, as primary contact during proposal evaluation and negotiation. Mr. Litzinger may be reached at 619.980.7048 or glitzinger@dudek.com.

Sincerely,

George Liztinger, PE
Project Principal

Joe Monaco, AICP
President

**This proposal to remain valid for 90 days from April 14, 2022.*

Table of Contents

SECTIONS

TABLES

FIGURE

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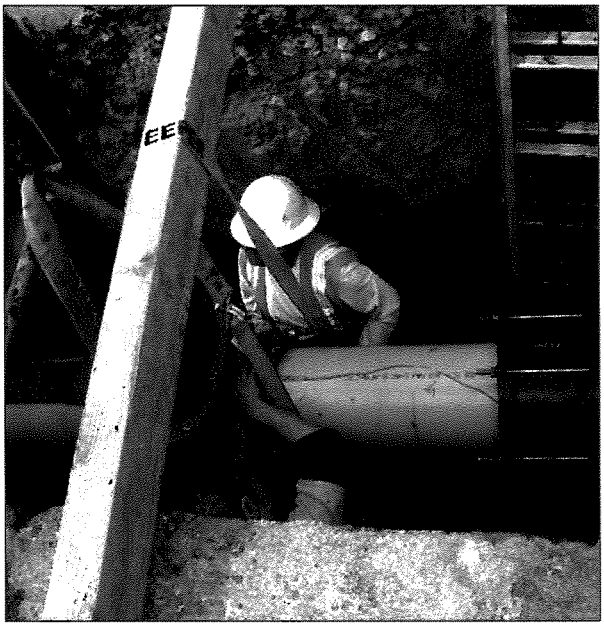
1. Understanding / Approach

1.1 Understanding the City's Objectives

Dudek understands the City is seeking a consultant to provide construction management, inspection, and related services for various CIP and developer projects, including sewer and water projects. We have the staff and experience to manage and inspect the following projects and have managed several similar projects in the past. Several of our staff members live near the City and are currently working on similar projects.



List of Potential Projects

1. **Sewer System Rehabilitation Phase I - Sewer Main Replacement Project 4**
   a. Replacement of approximately 5,100 feet of 6-inch VCP sewer main (with 8-inch VCP)
   b. Spot repairs
   c. Project is approximately 160 working days
2. **Sewer Improvement Project – Lampson Ave and Lamplighter**
   a. Installation of approximately 1,400 feet of 10-inch VCP sewer main
   b. Project is approximately 100 days
3. **Water Improvements Project for Partridge ~ West Project**
   a. Installation of 1,600 feet of 12-inch PVC pipeline
   b. Installation of 600 feet of 8-inch PVC water mains and
   c. Abandonment of approximately 2,000 feet of 6/8-inch AC water mains
   d. Project is approximately 45 working days
4. **Water Improvement Project for Orangewood Avenue and Dale Street**
   a. Installation of approximately 1,600 feet of 12-inch PVC pipeline and
   b. Installation of 6,000 feet of 8-inch PVC pipeline
   c. Project is approximately 100 working days

With this proposal, Dudek presents an array of construction management and inspection services and expertise—a toolkit for the City to initiate and complete these important projects. Our team offers a broad range of expertise under an experienced project manager. The Dudek team approach is to provide the City with construction management and inspection services that facilitate projects that are completed on time, within budget, and to the City's standards. Dudek places a great emphasis on establishing cooperative and professional working relationships to realize this mutual goal.

1.2 Construction Management Philosophy

Our philosophy is that obtaining quality construction is a combined responsibility of the construction contractor and the construction team. Our mutual goal must be a quality product conforming to the contract requirements. A cooperative and professional working relationship must be established to realize this common goal. The plan specifications establish the standards the construction inspector will use to monitor the project's progress. Quality assurance (QA) is the process by which the construction manager (CM) and inspector delivers the end product, using plan specifications, the contract, conditions of approval, and permits. The process starts well before construction and includes reviews of the plans and specifications for bidding and constructability.

The key to success for the City's construction projects is to develop a clear understanding of the project and issues that will be encountered during construction. The CM's role is to understand and interpret each project's plans, specifications, and permits to ensure compliance. They must be able to anticipate and have knowledge of the challenges the contractor will face and have the ability to proactively discuss and resolve them with the contractor, engineers, property owners, and the public-at-large to avoid negatively impacting the project schedule and budget.

Communications in Writing

Paperwork is critically important in construction management. All communication will be provided to effected personnel in writing. Our inspectors maintain daily logs, complete incident reports, and photograph elements of a project. CMs will provide monthly progress pay estimates, contract change orders, labor and equipment records, personnel records, and other general correspondence that will ensure the effectiveness of your projects. We have found this philosophy helps alleviate any miscommunication or forgotten responsibilities.

Approach to Resolving Key Issues

Our proposed staff has provided, and is currently providing, construction management, resident engineering, and inspection services to various agencies throughout the Orange County, as described in our project experience section. Based on our experience, there are four essential issues that must be addressed and are the foundation of all successful projects. As a firm, we train and expect our staff to identify and proactively address these issues throughout the project.

Establish the CM or Inspector as the single point of contact between the owner and the contractor. Establishing the CM as point of contact at project start allows them to effectively administer the contract, maintain proactive communication with all stakeholders, promptly resolve issues when they arise, properly document the project, conserve the project budget and contingency, and deal resolutely with the contractor. All correspondence between the owner, agency, and/or contractor must go first through the CM, helping to avoid misunderstandings and misdirection.

Maintain strict adherence to the contract documents. We have found most unnecessary disputes/claims are ultimately the result of allowing the contractor to stray from the contract requirements during the course of the project. Once this has occurred, it is nearly impossible to regain control of the contractor, so it is critical that the inspector maintains strict adherence to the contract documents in handling all issues with the contractor. The inspector must be firm and fair in all dealings with the contractor throughout the project.

Respond to issues in a timely manner. The key to avoiding controllable schedule delays is timely response to submittals, RFIs, and other contractor inquiries. It is essential to deal with these issues expeditiously, which requires the CM to pre-review all submittal/requests for information/change orders for the design engineer or owner and encourage their prompt review of these items as well. Coordination meetings and conference calls will

be scheduled to discuss and resolve all issues as quickly as possible, rather than waiting to resolve these items at a later date.

Produce high quality deliverables. The most important role we perform on the project is quality assurance of the work during construction. We aim to avoid leaving any lingering long-term maintenance issues for the owner due to lack of or improper inspection. Future costs can result when a project is not constructed and inspected properly, so it is essential the right personnel be assigned to the project. Dudek will provide the proper, qualified personnel who have a long record of successfully inspecting the particular work types built on each project. We have an exceptional mix of CMs, resident engineers, and inspectors with specialties in civil, mechanical, structural, and electrical disciplines on sewer lift stations, water lines, wells, reservoirs, and roadway rehabilitation projects. Our proposed staff have a history of successfully completing high quality projects in Orange County and the surrounding area. Our staff will be responsible for documenting, testing, and coordinating material testing/special inspection to verify all work is constructed in accordance with the contract documents; if work does not meet these standards it will be rejected and reworked until it is acceptable.

Allocation of Resources & Budget

The Dudek team is composed of a wide range of experienced, local talent who can meet any of the City's needs. George Litzinger, a firm principal who leads Dudek's Construction Management Division, will be assigned as the City's main administrative contact. Mr. Litzinger will be supported by the team of CMs, inspectors, special inspectors, and administrative staff. Mr. Litzinger will maintain open and effective lines of communication with the City regarding a project's status. Prior to initiating contract management services in support of each task order request, Mr. Litzinger and his team will develop a project procedures plan based on five elements per the City's requirements: (1) Team; (2) Budget; (3) Schedule; (4) Lines of communication; (5) QA/QC. Each element will be part of the management approach and will be used for allocation of staff resources, establishment of budget and schedule milestones, and assessment of progress during the course of work.

1.3 Our Commitment to City of Garden Grove

Dudek is dedicated to responsive and accurate project services. This dedication assures the City of detailed scope development for each assigned task, with a corresponding negotiated fee that is cost-effective and without excessive change order requests. Our detailed scope facilitates definition of the required project schedule, and that schedule assures dedication of the appropriate staff and ongoing communication between the Dudek team and City project managers. Even under the most demanding schedule constraints, Dudek will continue to achieve City project goals and objectives.

Dudek has a staff of over 700 individuals with a vast array of service offerings. As such, our assigned Project Manager, George Litzinger, P.E., has the right people and staffing availability to bring resources to bear on any task assignment. With the staffing that we have presently, we have a sufficient labor force to complete any assignment requested by the City. Our Project Manager works closely with your Project Manager and staff to identify assignments in advance and bring the appropriate staffing resources to your project within a moment's notice. We have maintained many as-needed and extension-of-staff contracts, with many of those clients retaining our services for over 15 years. The longevity of our relationships with similar clients to the City illustrates our dedication and commitment to our client's objectives – ***a commitment that we have provided in the past and that we will continue to bring to your projects as well.***

1.4 Construction Services Technical Approach

The Dudek team approach is to provide the City with construction management and inspection services to facilitate a project that is completed per code, on time, within budget, and to the City's standards. We will listen to the City closely to develop a complete understanding of the goals and needs by attending all pre-construction meetings from the outset.

We believe to develop a team that works together seamlessly, roles and task assignments must be clearly defined. Although not all inclusive, responsibilities for the CM and inspectors are detailed as follows:

Construction Manager Responsibilities

The CM will be responsible for overall QA and coordination of the project and will work closely with the City, contractor, and inspectors to resolve day-to-day construction issues. The CM will also ensure project issues are identified and resolved quickly. Project issues will be organized on a critical action item report, which will detail administrative, design, construction, environmental, and coordination issues that arise. Each action item will be assigned to project personnel with a target date to complete or resolve. The report will be updated at the weekly construction management staff and contractor progress meetings and will be included in the monthly progress report. The CM will be responsible for tracking change orders and reviewing submittals and RFIs. He will also be responsible for directly managing the inspection and testing on the project.

The CM will meet the City's representative to discuss the plan for the upcoming work on what may affect the public or traffic. She or he will also be available to meet with community groups to develop methods to inform the public, agencies, community groups, and contractors in the area regarding the work schedule. There are a number of issues that the community will be watching closely on construction projects: work hours, storm water control, noise control, dust control, and environmental measures, to name a few.

We will make sure the project is complete and acceptable prior to scheduling a final punch list workthrough with the City. The CM will review and recommend final payment and release retention once all outstanding items are completed to the satisfaction of the City. At the completion of the project, we will review and certify the as-builts, draft final change orders, and prepare a final construction summary report for the project.

Inspector Responsibilities

The inspectors assigned to the City will be on site daily during working hours and whenever work is performed outside of normal working hours. They will be available by cell phone whenever not at the site to answer any questions and resolve issues. The inspector will be the key point of contact for the contractor's project manager and superintendent during the course of the work. The inspector will not direct the contractor's work but will facilitate the contractor's efforts by anticipating issues that might affect the progress of the work.

Dudek employs a state-of-the-art photo documentation system using commercial-standard photo management software. Upon beginning each day's fieldwork, our personnel will download the day's images from each digital camera to the computer network located in the field office. Using these images, the construction inspector will review completed work with the City's plans and specifications.

The inspector will examine the site daily, manage subconsultants, and conduct weekly progress meetings with the contractor. One of the key activities is the weekly progress meeting with the contractor. This is where old and new business issues are discussed, such as action items developed, progress to date is reviewed in detail, a contractor's three week look-ahead schedule is developed, and items from the City or other consultants

discussed. A description of these meetings and the inspector's role are provided on the following pages. If work is non-conforming per the specifications, the inspector will issue a written Notice of Non-Compliance report for any work installed by the contractor that does not comply with the project plans and specifications. This will require a written response from the contractor and the issue will be tracked weekly until it is resolved to our satisfaction. The inspector will also prepare a list of items for correction and redline as-built plans as needed.

The inspector will assist with a submittal review meeting and with expediting the submittal turnaround process. He or she will conduct a submittal review meeting with the contractor for designated critical submittals to insure they are returned for prompt material procurement.

Inspection Forms / Checklist

Documentation is critically important in construction and all communication will be provided to effected personnel in writing. Our inspectors maintain daily logs, complete incident reports, and photograph elements of a project. We assist the City with progress pay estimates, contract change orders, labor and equipment records, personnel records, and other general correspondence that will ensure the effectiveness of the projects.

Storm Water (SWPPP) Inspection and Compliance

The inspector will inspect the contractor's SWPPP installation, erosion, tracking, potential discharges every day for compliance with the NDPES, permits and approved project SWPPP plan. The contractor will be notified immediately in writing of any corrections that need to be made. The inspector will stay up to date on all required reports and inspect the contractor's SWPPP reports to ensure they are up to date and accurate.

Traffic Control

The inspector will review traffic control plans and follow the requirements as stipulated by the City's traffic engineer and according to the latest California MUTCD and Work Area Traffic Control Handbook requirements.

Progress Payment

The Dudek team realizes the importance of an accurate timely review of the progress for each month. The on-site inspector will field measure pay quantities in accordance with Greenbook standards. We will meet with the contractor and discuss the status of pay quantities, schedule of values (if there are any lump sum bid items) and review the contractor's as-builts at the end of the month. The on-site construction inspector will then make a recommendation to the City for the amount of the monthly progress payment application.

Project Management and QA/QC

The construction management team and contract manager will establish and implement a QA/QC Plan organized as follows:

1. Organization and Responsibility
2. Execution and Schedule
3. Procedural Requirements
4. Requirements for Subconsultants
5. Project Quality Management Audits

The CM is committed to supporting construction of your projects on behalf of the City. Regular meetings with the contractor and the use of a three-week schedule for field work should prevent any delays due to inspection needs. Dudek's approach to quality assurance and quality control is directed toward ensuring the quality of the final

product meets the design drawings and specifications while increasing management's awareness and confidence in the details of the entire fabrication and construction process.

Dudek will employ proven methods for the project-specific quality assurance and quality control program for the City's projects. This program will largely consist of existing corporate procedures and standards from the company's Total Quality Program, tailored to match the unique requirements as indicated in the City's overall QA/QC Plan. Our approach includes a mixture of senior staff review, constructability evaluation and operability/maintainability evaluations throughout the process. The focus on achieving a consistent high-quality product is carried through the review of contractor's procedures, submittal review, shop and field inspections, as well as field and laboratory testing to ensure that quality materials and equipment are delivered and constructed to the project specifications and drawings.

Quality Assurance Inspection Services

Inspectors will provide technical inspection at each job site where the contractor is performing work to ensure compliance with the contract documents. They will coordinate material deliveries, inspect materials as they arrive on site, and verify that all materials and equipment are properly stored. Inspectors will prepare daily reports as required by the project scope of work and the City's standards. Inspection staff will note and document deviations in the work. The City's project manager and the contractor will be notified when deviations are observed.

Developer Inspections

Dudek currently provides inspection of developer projects for several agencies. We understand the importance of keeping detailed notes regarding times, dates and the work inspected. Costs associated with our inspections are typically charged to developers or subtracted from deposits or through reimbursable agreements. Accurate records are critical to avoiding disputes.

2. Dudek's Commitment to the City

2.1 Firm Overview

Founded in 1980, Dudek is a California-focused construction management, engineering, and environmental firm with more than 700 planners, scientists, facilitators, and support staff statewide. We assist municipalities on projects that improve California's communities, infrastructure, and natural environment. From planning, design, and permitting through construction, we move projects through the complexities of regulatory compliance, budgetary and schedule constraints, and conflicting stakeholder interests.

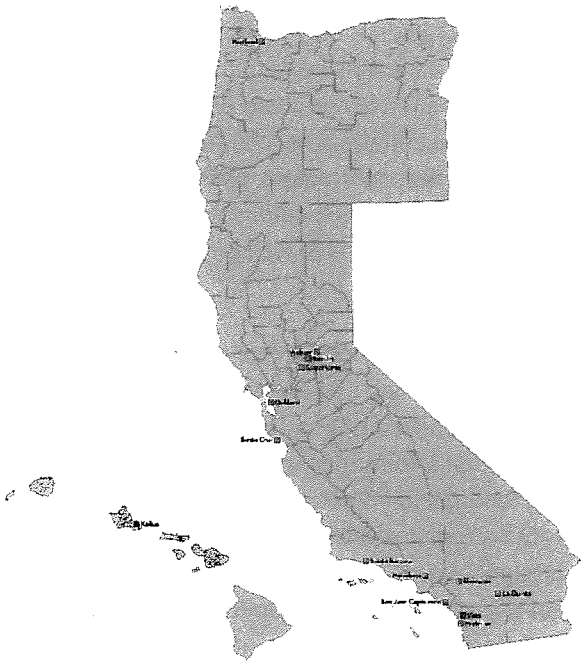


Figure 1. Dudek Office Locations

Depth and Variety of Staff

As a midsized firm, we provide the personal service of project managers who stay with your project from start to finish, combined with the breadth and depth of capabilities characteristic of larger firms to meet your project's requirements. Our project managers are empowered to be problem solvers, with the ability to make decisions in a timely fashion to maintain project momentum. We are proud of our low employee turnover; our staff's long tenure means the project manager you see at the bidding stage will likely be with you at project completion. Our in-house team includes the following professionals:

- CEQA/NEPA specialists
- AICP-certified land-use planners
- CDFW- and USFWS-certified biologists
- Registered professional archaeologists
- Registered landscape architects
- Certified arborists and foresters
- Noise and air quality specialists
- LEED-accredited professionals
- Certified GIS professionals
- Certified hydrogeologists
- Licensed geologists
- Licensed professional engineers
- Licensed contractors

Staff Availability and Continuity

Dudek offers the City a team with accessible, committed staff who are ready to begin work immediately. Internally, Dudek focuses on hiring and retaining the most qualified construction management and inspection staff. We take care of our professionals. As a result, we have low staff turnover and career longevity. We can deliver a team that will stay dedicated to the City's project assignments and committed to responding to project needs or changes promptly. Dudek will not provide a parade of ever-changing construction managers and inspectors; ***we will commit our approved staff to the City and will not provide a different inspector every month.***

2.2 Construction Management and Inspection Services

Dudek's construction management professionals specialize in public infrastructure projects and developer inspection services. Our project managers, inspectors, and resident engineers blend technical knowledge with a commitment to implementing timely solutions. Our team has managed hundreds of complex construction projects, coordinating with regulatory agencies, contractors, consulting firms, and municipalities. We focus on communication and attention to detail, leading to well-built construction efforts.

Our project managers focus on continuous communication among all parties, and keep stakeholders apprised of project status. We understand that information exchange, construction documentation, and immediate dispute resolution are important factors in efficient project management. Our construction management and inspection team interpret each project's plans, specifications, and permits to facilitate compliance, and work to build a collaborative, trusting relationship. We quickly and proactively find solutions to construction challenges to avoid project delays.

Our construction managers are responsible for overall quality assurance (QA) and project coordination. Construction managers work closely with the client, contractor, and inspectors to resolve day-to-day construction issues. We facilitate contractor efforts by anticipating issues that might affect work progress, and our inspectors are on site daily during and outside working hours, as necessary.

Dudek's Construction Management Division has a staff with many years' experience in all types of civil infrastructure and building projects. But, ***our overall expertise and the majority of our work is water and wastewater facilities***, including pipelines, pump stations, treatment plants, conveyance, and storage.

Dudek's Construction Management Division staff includes:

- Licensed Professional Civil Engineers
- DSA inspectors
- NASSCO-certified inspectors
- ACI-certified inspectors
- ICBO inspectors
- CMAA-certified construction managers

3. Recent Relevant Experience

Water Projects

Recycled & Potable Water System Pipeline, Pump Station and Reservoir Expansion

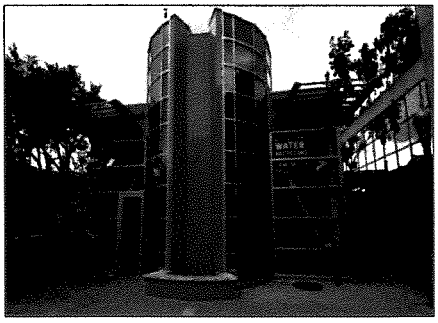
Client: City of San Clemente, 910 Calle Negocio, San Clemente, California 92673
Client Reference: Amir Ilkhanipour, 949.361.6130, ilkhanipoura@san-clemente.org
Project Dates: December 2013-September 2015 Project Cost: $12 million
Key Staff: George Litzinger, PM/Marius Jaskula, RE/Jason Linsdau, CM/Chad Costello, Inspector/ Garrett White, Inspector

The City of San Clemente expanded its recycled water system by constructing multiple projects in three concurrent phases – Water Reclamation Plant Expansion and Pump Station (Project1), Cordillera and Recycled Water Reservoirs and Pipeline Schedule III & IV (Project 2), and Pipeline Schedule I & II (Project 3). The treatment and effluent pumping system were expanded, almost 10 miles of recycled water transmission mains (6-inch to 20-inch PVC and ductile iron) were constructed, and an existing reservoir converted and new small reservoir constructed. These projects were funded from several Federal and State grants and an SRF loan. The project was bid as three separate construction contracts.

Dudek provided corrosion protection engineering services and inspection on Project 1 (the City provided construction management on this project). Dudek also provided resident engineering, inspection, and specialty inspection on Projects 2 and 3, and handled required coordination with all stakeholders involved on the projects, including several City Departments and its consultants for required special inspection, geotechnical engineering, environmental, engineering, traffic control plans, County Department of Health, and all utilities.

Water Recycling Demonstration Project

Client: City of Anaheim, 200 S Anaheim Blvd., Anaheim, California 92805
Client Reference: Bill Moorhead, Project Manager, 714.765.4165
Project Dates: November 2010-January 2014 Project Cost: $11 million
Key Staff: George Litzinger, PM/Marius Jaskula, RE/Jason Linsdau, CM/Garrett White, Inspector



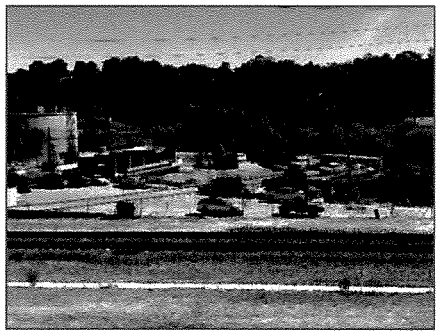
Dudek provided construction management and inspection services for the Water Recycling Demonstration Project, which serves as a demonstration project showcasing the viability of recycled water and the value of conserving limited potable water supplies. The project consisted of a 100,000 gallon per day (gpd) capacity water reclamation facility (WRF) at the north side of City Hall. The project was designed and constructed in phases to reduce the initial cost. The first phase of the project consisted of a 50,000 gpd water recycling facility that could be expanded to 100,000 gpd in the future.

The first phase provides recycled water for toilet and urinal flushing in Anaheim West Tower and landscape irrigation around City Hall. In subsequent phases, the project could be expanded to serve Pearson Park, George

Washington Park, Colony Square, Anaheim High School, and some of the existing or future developments. At build out, the water recycling plant will produce a new drought-proof water supply of 110-acre-feet or 35 million gallons per year. The raw wastewater is conveyed through a force main from the Lemon Street trunk sewer at the intersection with Oak Street. The building footprint is approximately 32 ft. by 68 ft., with a building height of about 19 feet above ground. The facility will also include a buried storage tank with a capacity of approximately 27,000 gallons. Additional offsite storage tanks would be required for future phases.

Potable & Recycled Pipeline Replacements at I-5 and Oso Creek

Client: Moulton Niguel Water District, 26880 Aliso Viejo Pkwy., Laguna Niguel, California 92656
Client Reference: Todd Dmytryshyn, 949.425.3525, tdmytryshyn@mnwd.com
Project Dates: May 2019-September 2020 Project Cost: $11 million
Key Staff: George Litzinger, PM/Chad Costello, CM/Marius Jaskula, Tunnel Engineer/ Garrett White, Inspector



Dudek provided comprehensive construction management and inspection services for this project to construct a potable and recycled water pipeline undercrossing the California Interstate (I-5) freeway and the Oso Creek.

The new undercrossing consists of a 72-inch steel casing constructed via trenchless microtunneling method. The two pipelines were installed within the 72-inch steel casing: a 20-inch fusible polyvinyl chloride (FPVC) potable water pipeline encased in a 30-inch FPVC pipe, and a 30-inch FPVC recycled water pipeline encased in a 36-inch FPVC pipe. A second microtunneling undercrossing was constructed on the east side of I-5 beneath Oso Creek within the Mission Viejo Country Club (MVCC) to connect the new 20-inch potable water pipeline to an existing 12-inch potable water pipeline towards the south. The second undercrossing consists of a 30-inch steel casing via microtunneling method. A 12- inch FPVC potable water pipeline was installed within the 30-inch steel casing. Open trench pipeline installation was conducted from the microtunneling jacking and receiving shafts to connect the new pipelines to the respective existing potable water and recycled water mains.

CM Services for Potable Water Storage Reservoir(s) at Calipatria State Prison

Client: California Department of Corrections and Rehabilitation
Client Reference: Kim Ismail, 916.323.2445, kim.ismail@cdcr.ca.gov
Project Dates: November 2016-October 2019 Project Cost: $6 million
Key Staff: George Litzinger, PM/Ryan Ruiz, CM/Bill Gallegos, Inspector

The California Department of Corrections and Rehabilitation (CDCR) contracted with Dudek to provide construction management services to assist staff with the construction of various potable water storage reservoirs at the Calipatria State Prison. The project also included additional storage facilities on site that were cathodically protected and that were tied into existing prison facilities. The project involved the following facilities:

- New 1.25 MG potable water storage reservoir
- Renovation of the existing 2.06 MG potable water storage reservoir
- Disinfection facilities
- Tie-in to existing suction lines and booster pump station with various isolation valves
- New 12' wide road

Construction Management and Inspection for Mangular Blending Facility

Client: City of Corona, Department of Water and Power
Client Reference: Vernon Weisman, 951.739.4912, vernon.weisman@coronaca.gov
Project Dates: June 2020-December 2021 Project Cost: $10 million
Key Staff: George Litzinger, PM/Marius Jaskula, RE

Dudek provided construction management, inspection, and environmental services for the City of Corona, Department of Water and Power's new pumping, blending, chemical feed, and piping facilities at the Mangular Blending Facility. The facility enables the City to blend treated and untreated groundwater to achieve desired water quality targets.

The City uses 2 blending cells in the 905 Zone potable water distribution system to enable the use of ground water from the Temescal Groundwater Basin and stores it at the Mangular and Garretson Tanks. The existing storage facilities consisted of a buried rectangular hopper-bottom reinforced concrete water tank with an at-grade roof and an overflow elevation of 905' above mean sea level (MSL). The tank receives water with elevated nitrate concentrations from City-owned wells 11, 12, 14, 15, and 27, via a well collector line at flow rates ranging from 1,000 gpm to 3,800 gpm. Project features:

- Demolishing existing pump station and facilities
- Constructing sitework, including walls, paving, concrete, fences, gates, grading, landscaping, and miscellaneous site improvements
- Constructing new potable water pumps
- Constructing potable water transmission piping in Mangular Avenue to connect with potable water distribution system in Potomac Drive
- Constructing chemical storage and injection equipment
- Constructing a CMU block building to house mechanical and electrical equipment
- Constructing plumbing, HVAC and lighting improvements
- Constructing electrical infrastructure to enable SCE to provide a new power service
- Constructing emergency power and fuel tank, and control devices

Phase 3 Expansion Project, Product Water Pipeline, Santa Ana River HDD Crossing

Client: Chino Basin Desalter Authority
Client Reference: Tom O'Neill, General Manager, 909.218.3729, toneill@chinodesalter.org
Project Dates: October 2018–May 2019 Project Cost: $2,350,000
Key Staff: Jason Linsdau, CM / Marius Jaskula, Resident Engineer / Garrett White, Inspector

Dudek provided construction management and inspection services on this project, which consisted of the horizontal direction boring of 800 LF of 30-inch HDPE crossing under the Santa Ana River in the City of Norco. The crossing allowed the Chino Desalter Authority to complete the connection of their delivery system to provide product water to their member agencies. 300 LF of 30-inch welded steel piping and appurtenances were also installed as part of this project. The project was completed during historic rainfall with many environmental constraints requiring the HDD work to be performed seven (7) days/week for 14 days to complete the project on time. The project was successfully completed on time and on budget.

Sewer Projects

City of Huntington Beach As-Needed CM and Inspection Services

Client: City of Huntington Beach, 2000 Main Street, Huntington Beach, California 92648
Client Reference: Andy Ferrigno, PE, Senior Civil Eng., 714.536.5291, aferrigno@surfcity-hb.org
Key Staff: George Litzinger, PM/Jason Linsdau, CM/Garrett White, Inspector/ Al Olea, Inspector/ John Przybyszewski, Inspector

Since 2008, Dudek has been providing construction management and inspection services on several of the City's water and wastewater projects. We have provided two in-house inspectors who provide inspection on a wide variety of projects. Dudek's services are typically a full turnkey CM team – construction manager, inspector, and special inspectors – providing typical services such as administration, daily and special inspections, manage schedules, change orders, document control, progress payments, submittal review, RFI review, cost estimates, as-built drawings and O&M manuals, start up and project closeout, and warranty period support.


Warner Ave Gravity Sewer

A list of recent construction management and inspection of projects for the City include:

Warner Avenue Gravity Sewer and Pump Station (Construction Value: $11 million)
Dudek provided construction management and inspection services. The project consists of the installation of over 3,000 LF of 12- and 15-inch PVC gravity sewer pipe, construction of a new sewer lift station, demolition of four (4) existing pump stations and 12 manholes, and a new SS 8-inch F.M. crossing and existing bridge. A portion of the project includes installing the sewer in Pacific Coast Highway (PCH) with limited work hours. The project also included an extensive sewer by-pass system comprised of over 1,000 LF of 12" HDPE pipe, submersible pumps, and generators.

Lift Station No. 26 and Force Main Replacement
Dudek provided construction management and inspection services for the City of Huntington Beach's Lift Station No. 26 and force main replacement. The project consisted of the slurry fill demolition of an existing sewage lift station and construction of a new cast-in-place lift station vault, 1,000 linear feet of 6-inch PVC force main, slurry fill abandonment of 1,000 linear feet of old 6-inch force main, installation of a new water service, cathodic protection, and abandonment of manholes and vaults. The project also involved major underground dry utility relocations. The project was completed on schedule.

Yorktown 30" Transmission Line (Construction Value: $2.5 million)
The project involved the installation of impressed current cathodic protection system and replacement multiple pipe sections, inline and interconnect valves, air vacuum valves and blow offs on 18,000 LF of the City's 30-inch transmission main located in Yorktown Avenue (originally constructed in 1964). The project was broken down into four (4) separate phase sections isolating the 30-inch transmission main to maintain water distribution throughout the City. The shutdowns for tie-ins to interconnect pipelines to replace valve and connection piping were completed in 4 and 8-hours maximum as to not effect customers.

Current Supplemental Inspection Staff Projects Provided by Dudek Staff

- Utility inspection and coordination per City's encroachment permits issued to various utility companies
- Trinidad Pump Station/Forcemain
- Well #5 Modifications
- Sewer Slip Lining Project
- Angler/Palisade Tree Petition
- Zone 8 Residential Overlay

Jimmy Durante/Via De La Valle Street & Drainage Project

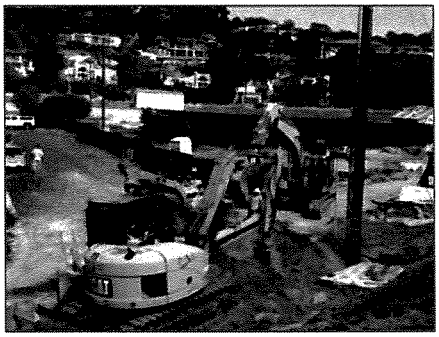
Client:	City of Del Mar, 1050 Camino del Mar, Del Mar, California 92014
Client Reference:	Joe Bride, Deputy Public Works Dir., 858-755-3294, jbride@delmar.ca.us
Project Dates:	June 2015-July 2017 Project Cost: $5 million
Key Staff:	Jason Linsdau, PM/Bradley Voorhees, Inspector/Garrett White, Inspector

Dudek provided construction management, inspection, and special inspection on this project. As part of a multi-year project, street, sidewalk, waterline, sewer and drainage improvements along a southeast portion in the City of Del Mar, this multi-phase project included the construction of about 1,000 feet of RCP storm drains, 5,000 feet of new curbs and gutters, 32,000 square feet of sidewalks, five retaining walls, 5,000 feet of water and recycled water line replacement, 30 water service reconnections, 1,000 LF of sanitary sewer line replacement and 500,000 square feet of pavement rehabilitation with extensive traffic control and public outreach effort.

The project also included over 2,000 LF of slip lining of existing 20" steel water line with FPVC 900 with grout filling of the annular space with lightweight grout.

Sewer Pipelines & Arterial Paving (SWAP) Project

Client:	City of Del Mar, 1050 Camino del Mar, Del Mar, California 92014
Client Reference:	Joe Bride, Deputy Public Works Dir., 858-755-3294, jbride@delmar.ca.us
Project Dates:	October 2015-March 2017 Project Cost: $11 million
Key Staff:	Jason Linsdau, CM/Marius Jaskula, RE/Garrett White, Inspector/Bill Reeves, Inspector

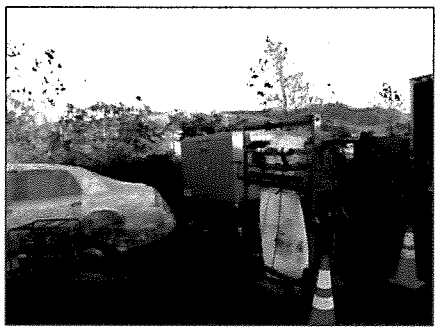


Dudek provided construction management, inspection, and special inspection for multiple projects performed at the same time. All work needed to be completed prior to the opening of the World Famous Del Mar Fair.

- *Slip Lining:* Project included slip lining 1,200 LF of existing 30" sewer forcemain with FPVC pipe.
- *Street and Sidewalk Improvement Project:* Project consisted of roadway improvements including over 4,750 LF of curb & gutter; 24,000 SF of PCC sidewalk; 250,000 SF of Type II slurry seal; 20 pedestrian ramps; 140,000 SF of grinding and asphalt overlay; full-depth roadway reconstruction and construction of multiple retaining walls; signing and striping and grading; retaining walls along Via de le Valle, Camino Del Mar, and along Highway 101 in the city of Del Mar. including installation of the Rapid Flashing Beacons for pedestrian crossings.
- *Sewer Force Main Project:* Project consisted of installation, pre-acceptance and post-acceptance testing of over one (1) mile of 10" diameter DR18 PVC sewer force main, temporary sewer bypassing of the existing pump station and installation of the sewer force main on Via De La Valle Blvd, Camino Del Mar and Coast Hwy 101, including two (2) bridge crossings over NCTD ROW and environmentally sensitive Dog Beach in the city of Del Mar by the Cured in place pipe method installed within new ductile Iron Pipe.
- *Recycled Water Main Retrofit Project:* Project consisted of installation, pre-acceptance and post-acceptance testing of over one (1) mile of 8" diameter, five 6" diameter lateral line into the city of Encinitas, construction of fill stations and an additional 2,000 LF of recycled water main extension.

Annual Sewer Rehabilitation Program

Client:	City of San Juan Capistrano, 32400 Paseo Adelanto, San Juan Capistrano 92675
Client Reference:	Mike Marquis, 949.443.6326, mmarquis@sanjuancapistrano.org
Project Dates:	2014-October 2015 Project Cost: $2 million
Key Staff:	George Litzinger, PM/Jason Linsdau, CM/Ryan Ruiz, Inspector/Garrett White, Inspector/ Bradley Voorhees, Inspector



Dudek provided construction management and inspection services for the rehabilitation of approximately 9,000 LF of small diameter sanitary sewer at various locations throughout Historic San Juan Capistrano, including relining of 5,000lf of 21" large diameter trunk sewer, located within the Orange County Flood Control Districts environmentally sensitive Trabuco Creek channel, by means of Cured in Place pipe. Large diameter Bypassing was maintained during all phases of construction while performing work on the trunk sewer. Dudek performed review of pre-lining CCTV to determine if the sanitary sewer was acceptable to receive the CIPP liner. The Dudek Inspection team performed all inspections per NASSCO PACP and ITCP requirements. The scope of work also included rehabilitation of large diameter 36"-48" storm drain pipe by utilizing Cured in Place Pipe (CIPP) trenchless method of rehabilitation. The project also included rehabilitation of 15 manholes with spray on calcium aluminate and pressure grouting of the manholes to eliminate infiltration and inflow into the manhole. The Dudek team tested CIPP samples to determine if the installed product was in conformance with contract specifications. Post CIPP installation CCTV was also reviewed to determine if the installed liner was acceptable and to determine the severity of CIPP liner features.

Coast Highway 101 Sewer Pump Station & Sewer Forcemain Improvements

Client:	City of Encinitas, 505 S Vulcan Ave, Encinitas, California 92024
Client Reference:	Kip Hefener, 760.633.2775
Project Dates:	July-December 2016 Project Cost: $3 million
Key Staff	George Litzinger, PM/ Garrett White, Inspector/ Paul Buckley, Inspector

Dudek provided construction management, inspection, special inspection, and HDD inspection services for this project that included installation of 1200 linear feet of two 4-inch DR 11 HDPE carrier pipes within a single 14-inch DR 11 HDPE casing pipe using horizontal directional drilling construction methods. Work was performed within the environmentally sensitive San Elijo Lagoon Conservancy and within the NCTD ROW. The project also included slip lining of the existing wet well, rehabilitation of electrical systems and removal of the existing force main on the Coast Highway 101 bridge. The proposed project involved the rehabilitation of the pump station wet well by slip-lining the existing structure, rehabilitation of the pump station electrical systems, installation of two new redundant 4-inch forcemains using horizontal directional drilling construction methods, installation of new discharge valve vault, and removal of the existing 4-inch forcemain on the Coast Highway 101 bridge per the project plans and specifications.

The path of the new forcemain was designed to avoid crossing Coast Highway 101 Bridge by extending approximately 550 to 600 feet east from the CPS site under the San Elijo Lagoon and North County Transit District (NCTD) railroad ballasts to Dublin Drive. The new forcemains are constructed of jointless, corrosion-

resistant high-density polyethylene (HPDE) material installed within a 14-inch diameter, HDPE casing. The new forcemain was installed a minimum of 15 to 25 feet below the San Elijo Lagoon inlet/outlet and 50 feet below the NCTD railroad ballasts, which is deep enough to avoid impacts to any potential future dredging of the San Elijo Lagoon and the San Diego Association of Governments (SANDAG) Double Track Project. To ensure the bridge abutment pilings located at the southeast corner of the Coast Highway 10 I Bridge were avoided, the alignment of the new forcemain was located a minimum of 20 feet away from the end of the nearest piling.

V1: West Vista Way Sewer Project CM and Inspection Services

Client: City of Vista, 200 Civic Center Dr., Vista, California 92081
Client Reference: Alfred Pedroza, 760.643.5409
Project Dates: August 2018-September 2020 Project Cost: $11 million
Key Staff: George Litzinger, PM/Marius Jaskula, CM/Garrett White, Inspector

Dudek provided construction management and inspection services for this project that involved deep open trenching for the replacement and upsizing of sewer mains from 8-inch up to 15-inch along with a micro-tunneled section across Emerald Drive. Several businesses along the alignment on Vista Way were impacted, which required extensive public relations and strict adherence to traffic control and working hours. The project was constructed mostly during nighttime to minimize any impacts to businesses and traffic. The construction management team worked closely with the contractor and City to ensure the work was done in phases to maintain sewer service and minimize impacts to businesses and traffic along the very busy W. Vista Way throughout the project. The sewer main work included:

- 1,230 linear feet (LF) of open cut 15-inch diameter PVC sewer main
- 730 LF of open cut 12-inch diameter PVC sewer main
- 620 LF of open cut 10-inch diameter PVC sewer main
- 885 LF of open cut 8-inch diameter PVC sewer main
- 660 LF of tunneled 15-inch diameter sewer main in a 48-inch diameter casing at the intersection of West Vista Way and Emerald Drive
- 20 new sewer manholes

Goleta Sanitary District Wastewater Treatment Plant Upgrade

Client: Goleta Sanitary District, One William Moffett Place, Goleta, CA 93117
Client Reference: Robert Hildago, 805.967.4519, rhidalgo@goletasanitary.org
Project Dates: April 2010-April 2014 Project Budget: $30 million
Key Staff: George Litzinger, PM /Garrett White, Al Olea, Ryan Ruiz, Bill Gallegos, Inspectors

Dudek provided construction management and inspection services for a $30 million upgrade to the District's wastewater treatment plant that services the cities of Goleta and Santa Barbara. It was the first major upgrade of the plant since 1985. Dudek provided a constructability review of the project's plans and specifications and evaluated the project for value engineering opportunities. Project improvements included a new biofilter and secondary clarifiers, new sludge tanks and flow equalization tank, and upgraded employee facilities.

Resin Treatment Plant Pump Station Project

Client: City of Corona Water & Power
Client Reference: Vernon Weisman, 951.739.4912, vernon.weisman@coronaca.gov
Project Dates: October 2015-June 2018 Project Cost: $12 million
Relevant Staff: George Litzinger, PM/ Marius Jaskula, CM/Ryan Ruiz, Inspector

Dudek provided construction management and inspection services for this project that removed nitrates and percolates from the local groundwater supply allowing blending with potable water. The initial design of the plant is 1,600 GPM expandable to 6,000 GPM.

Project Features:

- Concrete masonry unit water treatment plant building with architectural features
- Ion exchange vessels with resins, process piping, filters, valves, fittings, flow meters, and associated mechanical equipment and improvements
- Process piping / miscellaneous yard piping
- Piping connections to water supply transmission main and treated water transmission main
- Backwash water discharge piping and regenerate discharge to SARI brine line
- Salt delivery and storage system, briner, and associated mechanical equipment and piping
- Chemical storage and delivery system, including containment area, chemical storage tanks, metering pumps, piping, transfer pumps, and all supporting equipment and improvements
- Electrical, lighting, and instrumentation system including installation of City-furnished motor control center, switchgear, and SCADA equipment
- SCADA programming and system integration
- Compressed air scouring system
- Site improvements to include grading, drainage, asphalt concrete pavement, concrete flatwork, tubular steel fences and gates

Avenue 48 WWTP Expansion and Entertainment District Pump Station

Client: City of Coachella, 1515 Sixth Street, Coachella, California 92236
Project Budget: $25 million
Relevant Staff: George Litzinger, PM/ Bill Gallegos, CM

Dudek provided construction management and inspection of this 18-month, $25 million treatment plant expansion, which was funded by the State of California Revolving Fund Program. Dudek designed and performed a constructability review for this project and managed the bid process on behalf of the City. Dudek's CQA coordinated every aspect of the construction process with the contractor and provided inspection of all civil, structural, mechanical, and electrical/ instrumentation work. The project was very successful as the change orders amount was less than $150,000, which is less than 1% of the construction bid amount. The low change order amount was directly attributable to a solid design and a clear concise set of contract documents provided by a constructability review team that understands minimizing change orders.

Table 1. Dudek Wastewater Treatment Plant Construction Management Experience

Wastewater Treatment Plant Project Experience	Secure Financing	Rate Studies	Program Management	Environmental (CEQA/NEPA)	Public Outreach	CRWQCB-Coordination	Bidding/Award	Construction Management	Inspection	Operations	VE/Constructability Review	Treatment Plant Size (MGD)	Construction Value ($ Millions)
Goleta Sanitary District– WWTP Expansion				◆		◆		◆	◆		◆	10.0	30
City of Anaheim–Membrane					◆	◆		◆	◆	◆		1.0	10
City of Coachella–Expansion	◆	◆	◆	◆	◆	◆	◆	◆	◆		◆	4.0	30
City of Imperial–Expansion (Design-Build)			◆		◆	◆	◆	◆	◆		◆	3.0	25
City of Westmorland–New	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	2.0	6
Encina Joint Powers Authority–Expansion					◆		◆	◆	◆		◆	25.0	10
Heber Public Utilities–New	◆	◆		◆	◆	◆	◆	◆	◆	◆	◆	4.0	8
City of Brawley–Expansion	◆							◆	◆		◆	10.0	20
Ramona MWD–San Vicente–Expansion						◆		◆	◆			5.0	10
Ramona MWD–Santa Maria–Expansion						◆		◆	◆			2.0	5
Elsinore MWD–Horsethief–New								◆	◆			2.0	5
City of Santa Maria–Expansion						◆		◆	◆			4.0	2
City of California City–Expansion						◆		◆	◆			2.0	5
Valley Center MWD–Expansion								◆	◆		◆	2.0	5
4S Ranch–New								◆				2.0	10
Whispering Palms CSD–Phases I through IV	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	2.0	20
Fairbanks Ranch CSD–Expansion	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	1.0	5
Rancho Santa Fe CSD–Expansion		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	3.0	10
City of Oceanside–San Luis Rey–Expansion								◆	◆			15.0	10
Lee Lake Water District–Expansion		◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	5.0	15
Leucadia County Water District–Expansion		◆	◆	◆	◆	◆	◆	◆	◆			8.0	20
City of San Diego–Clean Water Program							◆	◆	◆			100.0	100
El Centro WWTP–Expansion			◆		◆	◆		◆	◆			4.0	5

Table 2. Dudek Team Pump/Lift Station Project Experience since 2000

Client	Project	Value ($M)	Year Completed	Type	Pump Control	Level Control	Odor Control	Size	Staff	Electrical Controls Inspection	FM Replacement	Back-Up Generator	Wet Well Liner Type
City of Carlsbad	Home Plant Lift Station and FM Replacement	$2.5	2014	Submersible	Soft Start	Bubbler	Bio-filter	800 GPM	Marius, Jason	Rockwell	Yes	Yes	T-Lock
City of Carlsbad	Terramar Lift Station and FM Replacement	$1.0	2013	Submersible	Soft Start	Pressure Transducer	No	600 GPM	Marius, Jason Garrett	Rockwell	Yes	Yes	T-Lock
City of Fontana	Barbee, Locust and Southridge (3)	$1.4	2014	Submersible	Soft Start	Pressure Transducer	No	150 GPM	Ryan, Bill	No	No	No	T-Lock
City of Huntington Beach	Lift Station 'C'	$9.0	2014	Submersible	Soft Start	Pressure Transducer	Yes	1,200 GPM	George, Eric, John P.	Rockwell	Yes	Yes	T-Lock
City of Huntington Beach	Lift Station No. 26 and FM Replacement	$3.0	2009	Wet/Dry Vertical Pumps	Soft Start	Ultrasonic Transducer	No	500 GPM	Jason	Rockwell	Yes	No	Polyurethane
City of Huntington Beach	Lift Station No. 25 and No. 28 (2)	$5.0	2007	Wet/Dry Vertical Pumps	Soft Start	Pressure Transducer	Carbon Scrubber	700 GPM	Garrett	Rockwell	No	No	Polyurethane
County of San Diego	Galloway Pump Station	$7.5	2008	Wet/Dry Vertical Pumps	VFD	Bubbler	No	1,500 GPM	Jason	Rockwell	Yes	Yes	T-Lock
Rubidoux Community Services District	Regional Lift Stations and Juan Diaz Lift Station (3)	$13.0	2009	Submersible	Soft Start	Pressure Transducer	Bio-filter	2,500 GPM	Garrett	Rockwell	Yes	Yes	T-Lock
City of Anaheim	WRDP Pump Station	$1.0	2013	Submersible	VFD	Pressure Transducer	No	150 GPM	Marius, Garrett, Jason	Marius	Yes	No	T-Lock
City of Coachella	Entertainment District Pump Station	$5.0	2006	Wet/Dry Long Shaft Vertical	VFD	Bubbler	No	1,500 GPM	Bill	Rockwell	Yes	Yes	T-Lock
City of El Centro	Main and East Side Lift Stations (2)	$2.0	2008	Submersible	Soft Start	Bubbler	No	900 GPM	Garrett, Bill	Rockwell	No	No	Polyurethane
Olivenhain Municipal Water District	Del Dios Joint Facility Pump Station	$8.0	2003	Submersible	VFD	Pressure Transducer	Carbon Scrubber	1,100 GPM	Marius	Marius	No	Yes	T-Lock
Olivenhain Municipal Water District	Rancho Cielo Midpoint Pump Station	$3.8	2006	Wet/Dry Horizontal Pumps	Soft Start	Ultrasonic Transducer	Carbon Scrubber	1,100 GPM	Marius	Marius	No	Yes	T-Lock

Table 2. Dudek Team Pump/Lift Station Project Experience since 2000

Client	Project	Value ($M)	Year Completed	Type	Pump Control	Level Control	Odor Control	Size	Staff	Electrical Controls Inspection	FM Replacement	Back-Up Generator	Wet Well Liner Type
Olivenhain Municipal Water District	4S Neighborhood Pump Station	$3.1	2004	Wet/Dry Horizontal Pumps	Soft Start	Pressure Transducer	Carbon Scrubber	1,600 GPM	Marius	Marius	No	Yes	Polyurethane
Olivenhain Municipal Water District	Santaluz Pump Station	$1.5	2005	Submersible	Soft Start	Pressure Transducer	No	150 GPM	Marius	Marius	Yes	No	T-Lock
City of Corona	Ahmanson Lift Station Upgrade	$3.0	2017	Submersible	Soft Start	Pressure Transducer	Yes	200 GPM	Marius	Marius	No	Yes	T-Lock
City of Corona	Resin Treatment Plant Pump Station	$10.0	2018	Wet/Dry Horizontal Pumps	Soft Start	Pressure Transducer	No	900 GPM	Marius	Marius	No	Yes	N/A
City of Encinitas	Coast Highway 101 Sewer Pump Station	$3.5	2019	Wet/Dry Horizontal Pumps	Soft Start	Pressure Transducer	Yes	250 GPM	Jason	Garrett	No	Yes	T-Lock
	24 Lift Stations (0 Spills, 0 Fines)	$82.8M											

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4. Project Team

The Dudek team is led by George Litzinger, PE, as Principal in Charge and CM Services Manager. Mr. Litzinger has over 35 years of construction management experience (*all with Dudek*) managing municipal infrastructure projects throughout Southern California. He efficiently assembles the appropriate team for each task assignment and assures that the proper resources are made available to successfully complete each service task.

Mr. Litzinger will work closely with your Project Manager and staff to identify assignments in advance and bring the appropriate staffing resources to your project within a moment's notice. Mr. Litzinger will assign the appropriate service manager and project support staff based on the City's project service needs. Each staff member is assigned for the duration of the contract and will not be reassigned or changed without the written consent of the City.

Figure 2, Organizational Chart presents our proposed team for this contract and outlines lines of communication. **Table 3** provides a brief overview of each staff member's education, licenses, and relevant experience. Full resumes are provided in **Appendix A.**

Dudek's team is supported by an array of in-house resources, including project managers, civil engineers, hydrogeologists, geologists, permitting specialists, grant funding specialists, biologists, environmental planners, and GIS technicians.

Figure 2. Dudek Team Organization

PROJECT MANAGEMENT

Project Manager
George Litzinger, PE

PROJECT TEAM

Construction Managers
Marius Jaskula, PE, CCM
Jason Linsdau, CCM
Ryan Ruiz, PE
Chad Costello
Bill Gallegos
Jim Escutia, CCM

Public Works Inspectors
Garrett White, QSP
John Griffin
Bradley Voorhees
Bruce Nolan
Al Olea
John Przybyszewski
Sheldon Boren
Tom Ramirez

Welding Inspector
Bill Reeves, CSI

Electrical Inspection/ Instrumentation Controls
Rockwell Construction Services, LLC

Geotechnical/Soils Testing
Atlas Technical Consultants (if required)

ACI Concrete Inspection/ Testing
Atlas Technical Consultants (if required)

Table 3. Project Team Qualifications

Name, Education and Licenses	Qualifications	Recent Related Projects/ Completion Date
Project Management		
George Litzinger, PE BS, Civil Engineering, 1985 Professional Civil Engineer CA No. 47544 CA Contractor Class "A" License No. 731744 Landscape License C-27	George Litzinger has 35 years' experience, leadership, and supervision in engineering and construction. As the CM Division Manager, he is responsible for all of Dudek's construction projects and programs covering both large and small projects up to $100 million. Mr. Litzinger has managed a variety of projects including water treatment plants, reservoirs, pipelines, golf courses, small dams, subdivisions, streets and roads, drainage projects, sewage treatment plants, fire stations and a variety of public buildings. In addition, Mr. Litzinger oversees over 25 as-needed CM and inspection services contracts for cities and municipalities throughout Southern California.	• Oversees over 30 current as-needed CM & Inspection contracts • Potable & Recycled Pipeline Replacements at I-5 and Oso Creek (MNWD)/ 2020 • V1: West Vista Way Sewer Project CM and Inspection Services (Vista) / 2020 • Water Recycling Demonstration Project (Anaheim) / 2014
Construction Managers		
Marius Jaskula, PE, CCM Bachelor of Science in Civil Engineering Professional Engineer, CA, Civil #C61060 CMCI Certified Construction Manager, ID #A1588 U.S.A.C.E. Construction Quality Management Certification	Mr. Jaskula has 23 years of experience in construction management, contract administration, and quality assurance on civil public works infrastructure projects. Projects have included sewer and water treatment plants; sewer, water and storm water pump/lift stations; reservoirs; Caltrans structures; roadway construction; large earthwork projects; and water, sewer and drainage pipeline projects with tunneling. Positions held have been the following: Construction Manager for U.S. Government (Navy), Construction Manager/ Resident Engineer for a municipality and engineering consulting firms, and QC Manager and Superintendent for a general contractor.	• Sewer Pipelines & Arterial Paving (SWAP) Project (Del Mar)/ 2017 • V1: West Vista Way Sewer Project CM and Inspection Services (Vista) / 2020 • Potable & Recycled Pipeline Replacements at I-5 and Oso Creek (MNWD) / 2020 • Ion Exchange Treatment Plant Project (Corona) / 2018
Jason Linsdau, CCM BS Civil Engineering CMCI Certified Construction Manager, No. 5042 Cured-in-Place Pipe (ITCP) Inspection Certification Pipeline Assessment Certification (PACP) Manhole Assessment and Certification (MACP)	Jason Linsdau has more than 20 years' experience in engineering and construction. As a construction manager/resident engineer, he manages construction projects ranging between $1.5 million and $25 million. Mr. Linsdau has worked on a variety of projects for public agencies and municipalities, including parks, fire stations, administration buildings, reservoirs, pipelines, pump stations, treatment plants, golf courses, dams, roads, and drainage projects.	• PM/CM overseeing as-needed CM and Inspection contract for City of Huntington Beach (various water/sewer projects) / Ongoing • PM/CM overseeing as-needed CM and Inspection contract for City of San Marcos (over 30 CIP projects)/ Ongoing • Sewer Pipelines & Arterial Paving (SWAP) Project (Del Mar)/ 2017
Ryan Ruiz, PE BS, Structural Engineering Professional Civil Engineer No. C86394 Certified CESSWI Qualified SWPPP Practitioner (QSP) Cured-in-Place Pipe (ITCP) Inspection Cert. Pipeline Assessment Certification (PACP) Manhole Assessment and Certification (MACP)	Mr. Ruiz has experience as an inspector, office engineer and field engineer. Projects have included wastewater treatment facilities, pump stations, tanks, large and small diameter sewer and water pipelines, and roadwork. Mr. Ruiz's duties typically include reviewing contractor's schedules, progress payment requests, RFI's and submittals, contractor proposed change orders, and inspection of the work. Mr. Ruiz has also participated in design revisions, safety, and negotiations on change orders.	• Regional Treatment Plant Miscellaneous Improvement Project (SOCWA) / Ongoing • Potable Water Reservoir Project, California Department of Corrections and Rehabilitation / 2019 • Alhondra Sewer Main Rehabilitation Project (Compton) / 2016 • Sewer Main Rehabilitation Project (Culver City) / 2018

Name, Education and Licenses	Qualifications	Recent Related Projects/ Completion Date
Bill Gallegos MS Structural Engineering BS Civil Engineering US Army Corps of Engineers Vicksburg Educational and Experimental Center (various 80-hours courses – see resume)	Bill Gallegos has over 35 years of construction management and inspection experience for a wide variety of public works projects. For the past 17 years, Mr. Gallegos has provided construction management and resident engineering services on a variety of public works projects for Dudek, including acting as Interim Public Works Director for the City of Coachella. Prior to joining Dudek, Mr. Gallegos worked over 20 years for the U.S. Army Corps of Engineers.	• Water Pipeline Extension for Medium Security Detention Facility (Imperial) / 2018 • New 18" Water Line (Goleta)/ 2017 • Entertainment District Avenue 52 Sewage Pump Station (Coachella) / 2014
Chad Costello American Concrete Institute 8-hour seminar American Shotcrete Institute 8-hour seminar	Chad Costello has more than 20 years' of construction experience, the past 10 of which have focused on reservoir and public works projects. He began his career working for a local pre-stressing tank contractor working only on concrete reservoir construction projects and worked his way up to superintendent in a very short time. He then began working as a construction manager, resident engineer and construction inspector of a wide range of reservoir, pipeline, building and public works projects for Dudek.	• As-Needed Contract - Miscellaneous Pipelines/ Storm Drain Projects (San Clemente) / Ongoing • Recycled Water System Expansion, (San Clemente) / 2015 • Conifer Tank Replacement, Triunfo Sanitation District, Ventura / 2013
Jim Escutia, CCM BS, Construction Engineering Management Certified Construction Manager (CCM) #10871 OSHA 10-Hour Confined Space Safety and Training Certification	Jim Escutia has over 12 years' experience in construction management of public work infrastructure projects. He worked as construction manager and contract administrator for the City of Huntington Beach for 7 years, overseeing various types of projects, including sewer lining and lift station, roadway rehabilitation, traffic signal, park, and public building renovation projects. He now works as a construction manager, resident engineer and construction inspector on a wide range of public works and developer projects for Dudek.	• Contract Adminitrator, Public Works for City of Huntington Beach. Various Projects included: Arterial and Residential Paving, Sewer Lift Station, Sewer Lining, and Traffic Signal Modifications
Inspectors		
Garrett White, QSP ACI Concrete Field Testing Technician Grade I ACI Concrete Repair Basics Qualified SWPPP Practitioner (QSP) #23394 OSHA 10-Hour Confined Space Safety and Training Certification NASSCO certified Trainer Cured-in-Place Pipe (ITCP) Inspection Certification Pipeline Assessment Cert. (PACP) Manhole Assessment and Certification (MACP)	Garrett White has over 24 years' experience in the construction industry, with an emphasis in the construction of water, wastewater, and storm drain facilities for public agencies. He has been involved with the construction of large- and small-diameter pipelines, treatment plants; pump stations for potable and non-potable distribution systems, horizontal directional drilling (HDD), with an emphasis in trenchless technologies. For the past 9 years, Mr. White has been responsible for providing field inspection services and construction management for various cities and water districts on capital improvement and developer projects.	• Potable & Recycled Pipeline Replacements at I-5 and Oso Creek (MNWD)/ 2020 • V1: West Vista Way Sewer Project CM and Inspection Services (Vista) / 2020 • Water Recycling Demonstration Project (Anaheim) / 2014 • Sewer Pipelines & Arterial Paving (SWAP) Project (Del Mar)/ 2017 • Warner Ave. Gravity Sewer (Huntington Beach) / 2015
Al Olea	Al Olea has more than 23 years' experience as a construction project manager, inspector, and supervisor for residential, commercial, and public works projects. He has completed inspection of a variety of public works projects, including roadways, pipelines, pump stations, treatment plant projects, and administration buildings. His construction background includes scheduling and supervising up to 150 employees, cost estimating, preparing construction proposals, obtaining building permits, and managing construction sites.	• Providing as-needed Inspection for on-call contract for City of Huntington Beach (various water/sewer projects) / Ongoing

Name, Education and Licenses	Qualifications	Recent Related Projects/ Completion Date
John Przybyszewski	John Przybyszewski has over 37 years' experience in construction management, park, and golf course construction, and country club management, including capital improvements and remodels, project management and quality control, maintenance and irrigation programs, grading, plan review, documentation and contract administration, bid evaluation, regulatory compliance, budget design and administration, owner/designer liaison.	• Providing as-needed Inspection for on-call contract for City of Huntington Beach (various water/sewer projects) / Ongoing
John Griffin Supervisor Development Certification APWA Cert.Public Infrastructure Inspector (CPII) Qualified Storm Water Practitioner (QSP) IMSA Work Zone Safety	John Griffin has 35 years of experience in the public works sector working with the City of Huntington Beach, 22 in Inspection and Project Management for the Engineering Division, and 13 with the Maintenance Division. Various job duties have included contract administration, project management, inspection and assurance with plans and specifications of a wide variety of public works infrastructure projects.	• Contract Administrator for City of Huntington Beach on a variety of CIP projects / 2012-2017 • Senior Public Works Construction Inspector, City of Huntington Beach on various CIP projects / 2000-2012
Brad Voorhees Water Technology Education Program DHS Water Distribution Grade 4 CWEA Wastewater Collection Grade 4 DHS Water Treatment Grade 2 ATSSA Traffic Control Supervisor	Brad Voorhees has over 32 years of experience in construction supervision and inspection of municipal projects specializing in water, wastewater and recycled water projects. Mr. Voorhees served in a supervising capacity for the City of Poway for over 30 years overseeing planning, construction and inspection of various water and sewer projects. Duties included development review, plan check, safety compliance, inspection, and supervision of over 20 employees.	• As-Needed Inspector City of Del Mar: Jimmy Durante Bridge Water Line Replacement, 2018 Storm Drain, Sewer and Paving Project / 2016-Ongoing • Annual Sewer Rehabilitation Project (San Juan Cap) /2015
Tom Ramirez	Mr. Ramirez has over 35 years of experience in construction providing construction management and field inspection services on both public works and private development projects. Experience includes water, sewer, storm drain, and pipeline construction; wastewater treatment plants; roadway construction; bridge retrofits; and new construction, repairs and remodels of public buildings and residential developments.	• Railroad Canyon Water Reclamation Facility Yard Piping Modifications Project (EVMWD) / 2020 • Lead Inspector, City of San Marcos for various projects: street widening, signals, storm drains, utilities, surface improvements / 2013-2015
Sheldon Boren Certified Nuclear Gauge Operator Radiation Safety Officer ACI Concrete Field Testing Technician, Grade 1	Sheldon Boren has over 28 years of experience. Mr. Boren has been involved in complex earthwork projects, including various pipeline projects, the construction of buttress fills to support landfills, the installation of geotextiles for subgrade stabilization, the placement of rock fills and site dewatering. His background includes the evaluation of large-scale excavations for reservoirs and water treatment facilities.	• Vista Verde Reservoir Replacement, Phase II (Escondido) • Major Plant Rehabilitation, Encina Wastewater Facility / 2015 • FY 2017 Street Repair and Maintenance Program (San Marcos) / 2017
Special Inspector - Weld		
Bill Reeves – *Welding Inspection* AWS Certified Welding Inspector Certified ICC Structural Welding Certified ICC Structural Steel and Bolting Certified ICC Fireproofing OSHA Certified Safety Technician	William Reeves has more than 26 years' experience in the construction industry inspecting a wide variety of public works projects. Prior to being an inspector, Mr. Reeves owned and operated a steel fabrication business for 19 years, and has been a certified welding inspector for 15 years. He is responsible for observation and inspection of water pipeline facilities including structural steel and welding for conformance with the approved design drawings, specifications to applicable welding codes and standards, AWS D1.1, D1.3, D1.4, D1.5, API, ASME, FEMA, DSA, AWWA, OSHPD.	• Special Inspector New 18" Water Line (Goleta)/ 2017 • Special Inspector New 20" Steel Water Line (Goleta)/ 2018 • Special Inspector 16" Steel Water Line (RMWD)/ 2015

Subconsultants

Electrical Inspection / Instrumentation Controls

Rockwell Construction Services, LLC (RCS)

Rockwell Construction Services (RCS) provides electrical project review, inspection and general construction management assistance specializing in the water/wastewater industry. RCS's goal is to identify and correct problems before they happen by working closely with the construction team from review of the contract documents pre-bid, through final Operation/Maintenance Manuals and As-Built Drawings at the conclusion of a project. The founders of the firm, Rock Swanson and Jim Hudson, combined offer over 65 years of experience in the industry as electrical contractors on a multitude of projects for various public agencies throughout Southern California.

RCS is a trusted partner with whom Dudek has a successful, long-term relationship.

Materials Testing/Laboratory Services (Option)

Atlas Technical Consultants

Atlas Technical Consultants, LLC is a professional services firm in operation since 1959 providing geotechnical engineering, construction material testing and special inspection, infrastructure design and modeling services, environmental compliance and permitting, as well as program, project, and construction management services. Atlas employs more than 3,000 people in over 140 offices, including licensed geotechnical and professional engineers, engineering geologists, certified inspectors and testing technicians, environmental engineers, geophysicists, and the appropriate support personnel. Atlas' inspectors and technicians are multi-carded by various local and national agencies, including the International Code Council (ICC), American Welding Society (AWS), and American Concrete Institute (ACI), to minimize the assignment of multiple field staff. Atlas also has staff members with various certifications, including Caltrans, HAZWOPER, HAZMAT, USACE EM 385-1-1, and OSHA certification. Atlas is proficient regarding local, state, and federal codes, standards, requirements, and close out procedures.

Dudek has worked with Atlas on a variety of projects over the last 10 years.

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Appendix A

Resumes

George Litzinger, PE

Principal/Project Manager

George Litzinger has more than 35 years' experience, leadership, and supervision in engineering and construction. As the Construction Management Division Manager, he is responsible for all of Dudek's construction projects and programs covering both large and small projects up to $100 million. His duties typically include: management of construction staff and providing support in contract administration, management and cost control, scheduling, contract bidding/award, constructability reviews, field engineering, project coordination, claims management, and estimating. Mr. Litzinger has managed a variety of projects for both the private and public sectors including water/sewage treatment plants, reservoirs, pump stations, pipelines, parks and golf courses, small dams, subdivisions, streets and roads, drainage projects, fire stations and a variety of public buildings.

Education

United States International University, San Diego
BS, Civil Engineering, 1985

Certifications

Professional Civil Engineer CA No. 47544

California Contractor Engineering Class "A" License No. 731744

Landscape License C-27

Professional Affiliations

Construction Management Association of America

American Society of Civil Engineers

Building Industry Association

Construction Industry Federation

Relevant Project Experience

Railroad Canyon WRF Yard Piping Modifications Project, Elsinore Valley Municipal Water District, Lake Elsinore, California. Mr. Litzinger was the project manager for Dudek on this project that involved construction and modification of the Railroad Canyon Water Reclamation Facility's (RRCWRF) aeration basins. The RRCWRF is a wastewater reclamation facility designed to treat 1.3 mgd average daily flow. The basins were modified with new piping, pumps, electrical and baffles to retain the sewage for the purpose of creating an "Anoxic Zone" to denitrify the sewage prior to reuse.

Recycled Water Pipeline CM and Inspection, San Elijo Joint Powers Authority. Mr. Litzinger was project principal overseeing the construction management and inspection of this recycled water pipeline within the City of Solana Beach. The project was part of a larger Sewer, Water, Arterial, Paving (SWAP) Project, which had a tight schedule requiring completion of all construction in less than six (6) months and involved various stakeholders: City of Del Mar, San Diego Fairgrounds, SEJPA, City of Solana Beach, and Santa Fe Irrigation District.

Goleta Sanitary District (District) WWTP Expansion. Mr. Litzinger and the Dudek CM Team provided construction management and inspection services for a $50 million upgrade to the District's wastewater treatment plant that services the cities of Goleta and Santa Barbara. Dudek also provided closeout phase services on this project.

Avenue 48 Wastewater Treatment Plant Expansion, City of Coachella. Dudek provided construction management and inspection of this 18-month, $30-million treatment plant expansion, which was funded by the State of California's Revolving Fund Program. Mr. Litzinger and his construction management team performed a constructability review for this project as well as managed the bid process on behalf of the City. Dudek's construction QA (CQA) experts coordinated every aspect of the construction process with the contractor and provided inspection of all civil, structural, mechanical, and electrical/instrumentation work.

CM for Potable Water Storage Reservoir(s) at Calipatria State Prison, California Department of Corrections and Rehabilitation, Calipatria, California. Mr. Litzinger was the project principal on this project, providing construction

management services for the construction of various potable water storage reservoirs at the Calipatria State Prison. The project also included additional storage facilities on site that were cathodically protected and tied into existing prison facilities. The project involved the following facilities:

- New 1.25 MG potable water storage reservoir
- Renovation of the existing 2.06 MG potable water storage reservoir
- Disinfection facilities
- Tie-in to existing suction lines and booster pump station with various isolation valves
- New 12' wide road

Water Recycling Demonstration Project, City of Anaheim, Anaheim, California. Mr. Litzinger was the project principal for Dudek on this project. Dudek provided construction management, inspection and initial operation services on this project. The project consisted of constructing a new state of the art 50,000 gpd treatment facility within 2,000 SF building constructed adjacent to City Hall that incorporated several treatment methods: membrane bioreactor, ozone and UV disinfection to treat raw sewage into title 22 recycled water for toilet and irrigation use throughout the City. The project also included the construction of new lift station and force main.

Ramona Municipal Water District Construction Management Services. Over a 6-year period, Mr. Litzinger provided construction management services for over $30 million worth of Ramona Municipal Water District Capital Improvement Projects. These projects upgraded and expanded the District's water system and increased capacity to higher elevations. Projects included:

- *San Vicente Storage Reservoir:* 200-acre-foot earth-filled small dam
- *Mt. Woodson Reservoir:* rehabilitation of 10 mg open reservoir involving several lining systems
- *San Vicente Treatment Plant:* 150,000 gpd expansion
- *Dye Road Booster Pump Station:* installation of new 75 hp booster pump station
- *Dye Road Pipelines:* 4 miles of 12- to 20-inch ductile iron, steel and PVC pipelines.

Olivenhain Pipelines Phase II ($25 Million), San Diego County Water Authority. Mr. Litzinger was the project manager for the San Diego County Water Authority's Olivenhain Pipelines Phase II project. This pipeline project included 11,288 feet of 78-inch buried welded-steel pipe and 11,500 feet of 48-inch buried welded-steel pipe. Specifications consisted of:

- Isolation valve and blowoff pipeline appurtenances
- Graded and improved access roads
- Aqueduct connections to Pipelines 4 and 5
- Construction of three tunnels under the existing aqueducts
- Removal and reconstruction of an existing 30-inch outfall sewer
- Environmental mitigation requirements and protection of sensitive biological habitat.

Imperial Water Treatment Plant Expansion, City of Imperial. Mr. Litzinger was project manager for the City of Imperial's $15 million water treatment plant upgrade and expansion. The project doubled the City's treatment capacity to 7 mgd and was constructed by a design build construction team. The project was one of the first of its kind using an Engineer, Procure, Construct (EPC) contract with a guaranteed maximum price. The project was completed on time, within budget, and free of litigation. Constructed facilities included:

- Seven mgd water treatment plant and associated appurtenances
- One 50 hp pump station
- Rehabilitation of two steel water storage tanks
- 24-inch PVC pipeline
- SCADA system upgrade.

Poway and Olive Street Pump Stations, Ramona Municipal Water District. Mr. Litzinger was responsible for construction management services for the Poway Pump Station and Olive Street Pump Station for the Ramona Municipal Water District. Construction management and inspection were provided for all aspects of construction, including grading, concrete, masonry, electrical, and instrumentation work. The Olive Street Pump Station is a new station that provides system pressure throughout the Ramona community. The station contains two new 40 hp and two new 20 hp vertical-turbine pumps. The Poway Pump Station is a high-pressure water booster station. This station included the installation of two new 900 hp vertical-turbine pumps into a building that was retrofitted to accept the new pumps. The pump station transfers water up a 400-foot grade to an open reservoir that serves the town of Ramona.

Rancho Cielo Recycled Water Distribution System, San Diego, California. Mr. Litzinger worked as a project engineer for the design of a large water reclamation distribution system. The design consisted of a 70-acre-foot reservoir, three 1,000 gpm pump stations and 75,000 feet of 10-inch distribution pipe. His tasks on this project involved the preparation of detailed drawings for the pump station and pressure-reducing stations and the design, layout, sizing, and alignment of the distribution lines. He also prepared the hydrological calculations for two open reservoir spillways and the required calculations for the project's irrigation demands.

Towncenter/Portico Industrial Development, City of Calexcio, California. The City of Calexico contracted Dudek to provide as-needed construction management services for the construction of street improvements, storm drain, and water and sewer facilities for Cole Road, Sunset Boulevard, Robinson Avenue, Pump Station No. 10, and traffic signalization on Cole Road. Mr. Litzinger was principal in charge of Dudek's construction management staff that worked closely and coordinated with the city's staff, the contractor's construction staking and surveying consultant, and the funding administrative representatives from the U.S. Economic Development Administration/U.S. Department of Commerce and its requirements.

Dogwood/Interstate 8 Freeway Ramp Widening and Signalization Project, City of El Centro, California. Mr. Litzinger was the project manager for the widening of four ramps, new signalization, landscaping, and new road sections. This was a Caltrans project administered by the City. As such, Mr. Litzinger coordinated with Caltrans District 11 personnel as needed and ensured that all project documentation was in accordance with the Caltrans Local Assistance Procedures Manual.

Dogwood Avenue Improvements Project State Street to Interstate 8, City of El Centro, California. Mr. Litzinger was the project manager on the City's Dogwood Avenue Improvement Project. Mr. Litzinger coordinated with Caltrans District 11 personnel as needed and oversaw that all project documentation in accordance with the Caltrans Local Assistance Procedures Manual. The project is funded by the American Recovery and Reinvestment Act (ARRA) and Prop 1B. The project includes removal of the existing road and replacement with new base, geofabric, geogrid, and asphalt. In addition, all curb returns will be removed and replaced to comply with ADA requirements.

Street Rehabilitation Projects, City of Coachella, California. As project manager, Mr. Litzinger was responsible for overall project success. Dudek provided construction management and inspection services for rehabilitating approximately 4 miles of streets within the City. Projects included removal of pavement, utility coordination, curb, gutter, repaving, cross gutters, and traffic control. Dudek provided regularly scheduled progress meetings to keep all involved parties up to date on project issues and to identify potential problems or design conflicts in advance of the scheduled work.

Rancho Santa Fe Road Widening, City of Carlsbad, California. Mr. Litzinger was principal project manager and was responsible for providing construction management and inspection services on behalf of the City of Carlsbad. The project involved realignment and widening of approximately 2 miles of Rancho Santa Fe Road from 2 lanes to 6 lanes in Carlsbad, California. The project also involved the replacement of the Rancho Santa Fe Road Bridge at San Marcos Creek. Ongoing coordination between the City of Carlsbad, the City of San Marcos, and other private development projects was needed to minimize impacts to residents and commuters during construction of the projects in the area. In addition, Dudek biologists provided biological monitoring services during the construction.

Marius Jaskula, PE, CCM

Construction Manager

Marius Jaskula has over 25 years' experience in construction management, contract administration, and quality assurance on civil public works infrastructure projects. Projects have included sewer; water and storm water pump/lift stations; reservoirs; sewer and water treatment facilities; Caltrans structures; roadway construction; large earthwork projects; and water, sewer and drainage pipeline projects with tunneling. Positions held have been the following: Construction Manager for U.S. Government (Navy), Construction Manager/Resident Engineer for a municipality and engineering consulting firms, and a Quality Control Manager and Superintendent for a general contractor.

Education

University of Illinois at Chicago
BS, Civil Engineering, 1997

Certifications

Professional Engineer, State of California, Civil #C61060

CMCI Certified Construction Manager, ID #A1588

U.S.A.C.E. Construction Quality Management Certification

Project Experience

V1: West Vista Way Sewer Project, City of Vista, California. Currently Construction Manager and Resident Engineer for this project, which involves deep open trenching for the replacement and upsizing of sewer mains from 8-inch up to 15-inch along with a micro-tunneled section across Emerald Drive.

Wells 32 and 33 Equipping, City of Corona, Department of Water and Power, California. Construction Manager and Resident Engineer for $1.3 million City project to develop and equip recently constructed groundwater wells. Well 33 anticipates a sustainable yield of up to 1,500 gpm with moderate levels of nitrates and perchorates which will be treated at the Ion Exchange Treatment Plant (see below project). Well 33 to be placed in service with a 200-hp deep vertical turbine well pump driven by a variable frequnce drive. Wells equipping consists well heads for both wells, associated mechanical piping and equipment, valves, flow meters, and a reinforced concrete masonry wellhouse. Project site improvements include miscellaneous yard piping, connections to water supply and transmission mains, sewer and water services, grading, drainage, asphalt concrete pavement, concrete flatwork, steel fences and gates. Plant electrical, and instrumentation system entails the installation of City-furnished motor control center, switchgear, emergency generator and SCADA equipment.

Ion Exchange Treatment Plant Project, City of Corona, Department of Water and Power, California. Construction Manager and Resident Engineer for $7.5 million City project to construct a new resin treatment ion exchange water treatment plant. Plant design flows initially set at 1600 GPM with the ability to expand to 6000 GPM as local water supplies are developed. The 9300 SF treatment plant building footprint incorporates a chemical room and process room, thirty-foot high masonry walls with architectural features and a steel truss roofing system. Ion exchange treatment process consists of seven steel vessels loaded with resin for nitrate and perchlorate removal, process piping, filters, valves, flow meters, compressed air scouring system and associated mechanical equipment. Chemical treatment includes salt delivery and storage system, briner, chemical storage including containment walls, drain and delivery systems, chemical storage tanks, metering pumps, piping, and transfer pumps. Project site improvements include miscellaneous yard piping, connections to water supply and transmission mains, backwash water discharge and regenerate discharge drain piping, grading, drainage, asphalt concrete pavement, concrete flatwork, tubular steel fences and gates. Plant electrical, and instrumentation system entailed the installation of City-furnished motor control center, switchgear, and SCADA equipment.

Bradt Reservoir Floating Cover Project, South Coast Water District, California. Construction Manager for $2.3 million district project to replace the existing failing geomebrane floating cover. Project consists of replacing the 6.3 acre cover with a new wieght tentioned chlorosulfonated polyethelyne (CSPE) geomembrane cover including access hatches, vents and a rainwater pump removal system. Supporting site work includes Hypalon liner repairs, replacement of inlet and outlet slide gates, replacement of drain and outlet valves, electrical work, SCADA modificaitons, chemical system modifications and drain piping installation.

Home Plant Lift Station and Forcemain Replacement Project, City of Carlsbad, California. Construction Manager and Resident Engineer for $2.8 million city project to replace the failing existing station and increase emergency storage capacity. The HLPS consists of a submersible lift station with a PVC lined wet well, three 25HP submersible pumps, bubbler level control, odor control bed, new emergency generator, emergency storage structure, influent sewer piping and manholes, flow meter and valve/camlock vaults, new controls and electrical panel located in the new control building, new site fencing, new and restored landscaping, recycled irrigation and asphalt paving. The station is fed by an 18-inch influent sewer and pumps into a 8-inch force main which ultimately outlets into the Vista/Carlsbad interceptor sewer. Forcemain improvements included 1,900 LF of 8-inch HDPE open cut piping and 400 LF of 8-inch HDPE HDD tunneling.

Terramar Lift Station and Forcemain Replacement Project, City of Carlsbad, California. Construction Manager and Resident Engineer for $1 million city project to replace the failing existing station. Project involved replacing the existing lift station with a 30-foot deep pre-cast 6-foot diameter wet well with two submersible pumps and new valve vault. Location of PS and vault was in the road and behind the sidewalk of a major thoroughfare through the City. Forcemain improvements included the installation of a new 400 LF 6-inch PVC open cut piping and 200 LF of 8-inch CIPP lining of exsisting gravity sewer under the NCTD tracks. Pump motor controls, SDG&E service panel and mobile emergency generator were installed in a block enclosure with steel canopy cover. The existing lift station was taken out of service and continuously bypassed for approximately 3 months until the new lift station and force main were put in service.

Recycled Water System Expansion, City of San Clemente, California. Resident Engineer for $8.2 million multi-phase City project to install 10 miles of recycled water pipelines (6-inch to 20-inch PVC and DI), HOA service conversion connections, Bella Collina Towne & Golf Course Metering Station and new Pressure Reducing Station. The project also included a new 200,000 gallon DN tank. He managed all aspects of construction and providing daily inspection services. The project required coordination with multiple agencies (City of San Clemente, South Coast Water Districts, 10+ HOA's and Caltrans). The project also involved the expansion of the City's Water Reclamation Plant from 2,200,000 gallons per day to 5,000,000 per day and new effluent pump station.

Water Recycling Demonstration Project, City of Anaheim, California. Resident Engineer for this $6.5 million city project serving as a demonstration facility showcasing the viability of recycled water and the value of conserving limited potable water supplies. The project consisted of a 50,000 gallon per day (gpd) capacity (100,000 gpd at buildout) Membrane Bio Reactor (MBR) water reclamation facility at the north side of the City Hall. The project included an influent pump station with sewer diversion structure, force main, and a recycled water distribution system to surrounding landscaped areas and to the dual plumbed water system at Anahiem West Tower. The treatment facility is housed in a beautiful 2000 s.f. building with a 25-foot tall waterfall feature and floor to ceiling window wall glazing allowing for outside viewing of the interior treatment plant workings.

Twin Oaks Reservoir Tank No. 2, Phase 3, San Marcos, California. Construction manager for the third phase of a $21 Million Vallecitos Water District multiple award winning project to construct a 40 MG pre-stressed concrete reservoir. The reservoir is the largest in the world of its type. Project consisted of backfilling of the 40 foot high, 432 foot diameter tank with 120,000 CY of earthwork. 48 inch RCP drainage and 24 inch steel overflow header piping was installed on site. The top of the tank was earth covered and the entire site was landscaped. Final components included electrical improvements, instrumentation and controls, and paved access roadways. Project was completed with net change orders of 0% of the contract value.

Buena Vista Force Main Replacement-Phases 1 & 2, Oceanside, California. Construction manager for a $5.4 million project. Phase 1 entailed microtunneling under the 78 highway and El Camino North Shopping Center. 1200 feet of 45 inch tunnel casing was installed successfully on line and grade. 28 inch HDPE was welded and pulled back into casing for force main piping. Project was completed on time with change orders accounting for less than 1% of the contract value. Phase 2 included installation of 8000 feet of 24 inch C-905 force main piping primarily in main arterial El Camino Real. A 250 foot jack and bore was performed under the NCTD tracks. Project issues included unforeseen utility conflicts and changed conditions that were resolved expeditiously without claims utilizing close coordination with the City, utility agencies, project designer and Contractor.

Unit Z Pump Station, San Diego, California. Construction Manager for a $3.2 Million Olivenhain Water District project to construct a new potable water pump station. The pump station is equipped with three 200 HP vertical pumps with 3675 GPM capacity each. Electrical components include pump control and SCADA systems. An 1100 SF pump station masonry building and extensive site work with 24 inch CML welded steel suction and discharge piping. Project issues included adjacent community residences and extensive coordination with District operations staff during construction and start up. Project was completed on time and without claims.

4S II Reservoir, San Diego, California. Construction Manager for a $4.1 Million Olivenhain Municipal Water District project to construct a new 4.0 MG potable water Reservoir. The steel reservoir was constructed with an aluminum dome roof with a diameter of 156 feet and a height of 34 feet. The project also included a communication building, inlet/outlet piping, valve vaults with electronically controlled valving and extensive site work. Project was completed on time and without claims.

Connamera Pump Station, San Diego, California. Construction Manager for a $2.2 Million Olivenhain Municipal Water District project to construct a new potable water pump station. The pump station is equipped with two 250 HP vertical pumps with 4250 GPM capacity each. Electrical components include pump control and SCADA systems. A 1000 SF pump station masonry building and extensive site work with 18 inch CML welded steel suction and discharge piping. Project issues included adjacent community residences and extensive coordination with District operations staff during construction and start up. Project was completed on time and without claims.

North and Northside Reservoirs Rehabilitation Project, Rainbow, California. Resident Engineer for a $5.0 Million Rainbow Municipal Water District project to rehabilitate two potable water reservoirs – 8 MG (1.5 acres) and 23 MG (3.1 acres). Both reservoirs were constructed with new concrete anchor curbs, piping, inlet and outlet structures, geomembrane liners, and geomembrane floating covers with vents, hatches, rainwater removal pumps and associated appurtenances. The project site work included 18 inch and 24 inch PVC C-905 and CML&C steel piping, valves and vaults, CIPP relining for drainage and potable pipelines. Surface improvements include concrete sidewalk, paving, fencing and concrete pads for booster pumps. Electrical work included pump control panels and controls for SCADA connectivity. Project issues included adjacent community residences and extensive coordination with District operations staff during construction and start up.

Cypress Street Reservoir and Water Treatment, Lomita, California. Resident Engineer for the final phases of construction, and the start-up and testing of a $9.0 Million City project to construct a new 5.0 MG post-tensioned concrete reservoir, pump station, emergency generator, 1500 GPM well pump/piping, and a MIOX treatment facility to treat the well water to remove iron, manganese and color. Project site work included extensive piping, a pump station building, an oxidant treatment building, filter vessel, aqueous ammonia systems and wash water tank. Electrical work included pump/equipment control panels and various controls for SCADA and plant operation. Project issues: adjacent community residences and extensive coordination during start-up and testing.

Jason Linsdau, CCM

Construction Manager

Jason Linsdau has more than 19 years' supervision and leadership experience in engineering and construction. As a construction manager/resident engineer, he manages construction projects ranging between $1.5 million and $25 million. His responsibilities include project management, contract administration, cost control, scheduling, constructability reviews, field engineering, project coordination, claims management, and estimating. Mr. Linsdau has worked on a variety of projects for public agencies and municipalities, including parks, fire stations, administration buildings, reservoirs, pipelines, pump stations, treatment plants, golf courses, dams, roads, and drainage projects.

Education

San Diego State University
Civil and Environmental Engineering

Certifications

CMCI Certified Construction Manager, ID #5042

Cured-in-Place Pipe (ITCP) Inspection Certification Program

Pipeline Assessment Certification Program (PACP)

Manhole Assessment and Certification Program (MACP)

AGC Advanced SWPPP Training 8-Hour Course

Project Experience

Sewer Main Lining Rehabilitation Project (Phase II and III) and Lining of Abandoned 10" Braddock Force Main, City of Culver City, California. Mr. Linsdau was the construction manager for the rehabilitation of 92,000 LF of sewer mains, 90 full wrap lining of lateral connections and 30 manholes that were located in busy urban areas as well as backyard easements. The project also involved the CIPP lining of 4,600 LF of a 10-inch force main and two force main tie-ins into the 60-inch WLAS sewer interceptor. Over 20 open trench point repairs were also completed during the project. This was a challenging citywide project requiring coordination with multiple agencies (City of Los Angeles, Army Corp. and Golden State Water Company), thousands of residents, and large corporations (Sony Studios, Culver Movie Studios and NFL Network). Dudek inspected traffic control and site SWPPP as well.

Home Plant Lift Station and Force Main Replacement Project, City of Carlsbad, California.. Mr. Linsdau provided construction management and inspection services to construct a new submersible lift station with a PVC-lined wet well, bubbler level control, odor control bed, new emergency generator, emergency storage structure, influent sewer piping and manholes, flow meter and valve/camlock vaults, new controls and electrical panel located in the control building, new site fencing, new and restored landscaping, recycled irrigation, asphalt paving, and 1,900 LF of 8-inch HDPE force main.

Terramar Lift Station and Force Main Replacement, City of Carlsbad, California. Mr. Linsdau provided construction management and inspection services to construct a new pre-cast 6' diameter wet well with two submersible pumps and new valve vault. The project was constructed in the road and behind the sidewalk of a major thoroughfare through the City. Two of the 4-inch submersible pumps were controlled by an ultrasonic level control system. The project included the installation of a new 400 LF 6-inch PVC force main and a mobile emergency generator. The existing lift station was taken out of service and continuously bypassed for approximately three months until the new lift station and force main were put in service. The project also included the CIPP lining of approximately 200 LF of 8-inch gravity sewer line.

Water Reclamation Plant No. 4 and No. 7 Headworks Improvements, Coachella Valley Water District, Indio, California. Mr. Linsdau, as a subconsultant to Psomas, provided construction management services on the

construction of a new pump station, screen building, grit building, and various pumps and vaults of new headworks facilities constructed at two separate reclamation plants.

Water Recycling Demonstration Project, City of Anaheim, California. Mr. Linsdau was the construction manager for Dudek on this project. In addition to these duties, he reviewed submittals and RFIs, negotiated change orders, oversaw claims management, and reviewed the project schedules. Dudek provided construction management, inspection and initial operation services on this project. The project consisted of constructing a new state-of-the-art 50,000 gpd treatment facility within a 2,000 SF building constructed adjacent to City Hall that incorporated several treatment methods: membrane bioreactor, ozone, and UV disinfection to treat raw sewage into Title 22 recycled water for toilet and irrigation use throughout the city. The project also included the construction of new lift station and force main. Contract value: $8 million.

Yorktown 30" Transmission Main Corrosion Rehabilitation, City of Huntington Beach, California. Mr. Linsdau provided construction management as part of Dudek's as-needed contract with the city. He reviewed submittals and RFIs, negotiated change orders, oversaw claims management, and reviewed the project schedules. This project included the corrosion rehabilitation of 18,000 LF of 30-inch CMLC pipeline, installation of over sixteen 30-inch butterfly valves, multiple air and vacuum valves, blow assemblies, blind flange replacements, access manholes, aged interconnection, inline valves, replacement of 25 interconnections to existing PVC and AC distribution lines between 6-inches to 20-inches and high-lining private and commercial services, traffic control, asphalt paving, and replacement of sidewalk.

Lift Station 26 and Force Main Replacement, City of Huntington Beach, California. Mr. Linsdau was the construction manager on this project. In addition to these duties, he reviewed submittals and RFIs, negotiated change orders, oversaw claims management, and reviewed the project schedules. This project involved replacement of an existing lift station with new below-grade cast-in-place structure with two dry pit submersible pumps and 1,000 LF of new PVC force main.The project was particularly challenging since it was constructed below sea level in the Bolsa Chica Wetlands, 15' from high-end homes. The construction methods included a major dewatering operation below sea level (200,000 gallons per day), 'press-in' shoring method, instrumentation and controls hardware and software. Mr. Linsdau was also responsible for the implanting de-silting operations and testing plan approved by the Regional Water Quality Control Board (RWQCB) as well as weekly reporting directly to the RWQCB. No correction notices or fines were ever levied by RWQCB on this project. Contract value $1.5 million.

Avenue 54 Wastewater Treatment Plant Expansion, City Coachella, California. Mr. Linsdau was the construction manager for Dudek on this project. In addition to these duties, he reviewed submittals and RFIs, negotiated change orders, oversaw claims management, and reviewed the project schedules. Dudek provided design and construction management and inspection services on this project. The project consisted of constructing new headworks, oxidation ditches, clarifiers, and chlorine contact basins to expand the existing plant's treatment capacity from 2.4 mgd to 4.5 mgd. This project was funded by the U.S. Department of Agriculture (USDA). Contract value: $23 million.

Galloway Pump Station and Force Main, County of San Diego, California. Mr. Linsdau was responsible for the inspection, testing, and startup of the project. The project consisted of the demolition of existing systems and new construction of a concrete PVC coated wet well, a hydraulic sewage grinder, two vertical 1,500 gpm sewage pumps with variable-speed drive control, discharge piping and valves in the dry well, a diesel engine generator, and electrical switchgear and PLC for the existing station. The project also included the installation of 5,600 LF of 10-inch-diameter ductile iron force main and pre-cast manholes. Contract value: $4 million.

Olivenhain Dam, San Diego County Water Authority, San Diego, California. As project engineer, Mr. Linsdau reviewed mechanical, instrumentation, structural, and electrical submittals as well as RFIs. He performed engineering calculations and field inspections of dam foundation, monitoring instrumentation and mechanical

equipment. The Olivenhain Dam project consisted of 318 feet in height and 2,500 feet in length of roller compacted concrete (RCC), making it the highest RCC dam in the United States. The project involved a 300-foot cast-in-place inlet/outlet tower, tunneling, extensive blasting, cast-in-place and cement mortar structures, large-diameter valves, large-diameter welded steel pipe, instrumentation, controls, and electrical.

Avenue 54 Wastewater Treatment Plant Expansion and Administration Building, City Coachella, California. Mr. Linsdau was the construction manager for Dudek on this project. In addition to these duties, he reviewed submittals and RFIs, drafted change orders, oversaw claims management, and reviewed the project schedule. Dudek provided design and construction management and inspection services on this project. The project consisted of a 10,000-square-foot, single-story, wood frame administration building.

Olivenhain Pump Station and Olivenhain 8 Flow Control Facility, San Diego County Water Authority, San Diego, California. Mr. Linsdau was a project engineer for the San Diego County Water Authority's Olivenhain Pump Station project. This project included the construction of a two-story 18,000-square-foot masonry pump station building with a structural steel roof. The project included large-diameter pipelines, metering, and flow-control facilities. Mr. Linsdau reviewed submittals, RFIs, and cost proposals. He performed engineering calculations, negotiated change orders, and field inspection. Contract value: $20 million.

Chip Seal and Seal Coat Projects, City of San Marcos, California. Construction manager for the Citywide chip seal and slurry seal street rehabilitation project. The project consisted of resurfacing over 130 residential streets and City parking lots with a 1.2 M SF of 5/16-inch chip seal (Type Pass CR scrub seal) and 4.3 M of Type 2 slurry seal and 1.2M of Type 1 slurry seal. The project also included permitting and coordination with Caltrans and NCTD RXR. Mr. Linsdau coordinated the work with two contractors (separate chip and slurry seal contractors), utilities and performed public outreach working daily with the businesses and residents, and inspected traffic control and ensured business/resident access were maintained throughout the project.

Barham Drive Improvement and Barham Drive Wall Replacement Projects, City of San Marcos, California. Mr. Linsdau is the construction manager improvements and widen Barham Drive between Woodland Parkway and Mission Road, including improvement to other minor streets. These improvements included storm drain facilities, roadways, curb, gutter, sidewalk, irrigation, traffic striping, traffic signals, signing, and other appurtenant work. Construction involved grading, drainage, multiple retaining walls, roadway, underground utilities which included a 20B conversion underground all of the old overhead utilities. A separate 2,100-liner-foot masonry sound wall project was also constructed in conjunction with this project, which Dudek also provided construction management services.

Rancho Santa Fe Road Widening Phases 1 and 2, Carlsbad, California. As resident engineer, Mr. Linsdau was responsible for overall project management, public affairs, and resolving day-to-day construction issues. He also inspected the project on a daily basis, reviewed submittals and construction schedules, and negotiated contract change orders.

Both projects for the City of Carlsbad involved the realignment and widening of a 2.2-mile section of Rancho Santa Fe Road. The project goal was to increase roadway safety and minimize construction impacts. Construction involved installation of curb and gutter, sidewalks, 12,000 feet of storm drains (RCP, 18- to 72-inch diameter), 3,000 feet of sewer line (gravity and force main, 8- to 24-inch diameter), 20,000 feet of waterline (PVC, welded steel, and ductile iron, 8- to 36 inch diameter), 3,000 feet of joint utility trench, street lights, five new intersections and traffic signal systems, and 2.2 miles of asphalt concrete pavement. Construction included two new 400-foot cast-in-place bridges over San Marcos Creek. Coordination with the following municipalities was necessary: City of San Marcos, Leucadia Waste Water District, Olivenhain Municipal Water District, and Vallecitos Water District.

Ryan Ruiz, PE

Construction Manager

Mr. Ruiz has experience as a construction manager, inspector, office engineer and field engineer. Projects have included wastewater treatment facilities, above ground tank reservoirs, pump stations, police stations, wetlands, and park and street improvements. Mr. Ruiz's duties typically include reviewing contractor's schedules, progress payment applications, RFI's and submittals, design revisions, negotiating change orders, project safety, managing meeting agendas and minutes, and inspection of overall project work.

Education

University of California, San Diego
BS, Structural Engineering

Certifications

Professional Civil Engineer No. C86394

Certified Erosion, Sediment and Storm Water Inspector (CESSWI)

Certificate of Completion for Approved Training for Qualified SWPPP Practitioner (QSP)

NASSCO Certifications

Cured-in-Place Pipe (ITCP) Inspection Certification Program

Pipeline Assessment Certification Program (PACP)

Manhole Assessment and Certification Program (MACP)

Project Experience

Potable Water Reservoir Project, California Department of Corrections and Rehabilitation ($4.1M). Mr. Ruiz worked as the Construction Manager for this project. This project was to construct an above ground potable water reservoir providing up to 1.25 million gallons of storage capacity. The new reservoir provides emergency water supplies to the State Prison Institution. Both new and existing reservoirs were fitted with a water circulation device to reduce stagnant water and be protected from corrosion. The new reservoir is mechanically and digitally monitored by the existing pump house, equipped with ladders and accessed by a new asphalt road. The existing 2.06 million gallon above ground potable water reservoir is constructed of steel and was restored due to corrosion. The reservoir was repaired and fitted with cathodic protection and a water circulation device.

Regional Treatment Plant Miscellaneous Improvement Project, South Orange County Water Authority (SOCWA) ($4.1M). Mr. Ruiz is currently working as the Construction Manager for this project. Responsible for project meetings regarding safety, weekly progress, schedule, RFI's, submittals, change orders, progress payments and quality assurance. Responsible for payment application review and progress payment procedure for SOCWA, properly documenting and filing all project files on Procore server, inspecting Contractor and Subcontractor's work complies with approved plans and specifications. The project consists of upgrading and renovating the Energy Building, Administration Building, Primary Gallery and Fan Room, Digester Pump Room, Headworks Building, Primary Sedimentation Basins, Secondary Sedimentation Basins, Mixed Liquor Distribution Channel, Polymer Room and roadways. Implement various electrical improvements, install VFD panels, and install and program polymer PLC system. Implement mechanical improvements to the DAF Recirculation system and upgrade the existing HVAC system.

Temple Hills Drive Pedestrian Improvements, City of Laguna Beach ($1M). Mr. Ruiz worked as the Construction Manager for the City of Laguna Beach. Project work includes demolition of existing pavement, asphalt berms, asphalt driveways, concrete driveways, concrete paver driveways, interfering portions of landscaping, relocation of miscellaneous items (mailboxes, street lights, low height walls) and the construction of a PCC rolled curb and gutter, sidewalk, AC paving, low height retaining curbs, landscape restoration, utility adjustments, full depth AC to

replace AC removals , slurry seal and striping improvements, speed table installation, vehicle speed sign installation, striping and pavement markings in the City of Laguna Beach.

Coast Highway Intersections Improvements, City of Laguna Beach ($0.7M). Mr. Ruiz worked as the Construction Manager for the City of Laguna Beach. Project work includes traffic signal infrastructure and hardware, signing and striping modifications along the project corridor, and Coast Highway civil design improvements including installation of ADA ramps and landings, curbs, gutters, street restoration, traffic signal loops, traffic poles, and brick pavers per City, CALTRANS and ADA requirements and project specifications.

Thermal Headwork Station Project, Coachella Valley Water District ($24M). Mr. Ruiz inspected work including restoration of existing Wet Well, construction of a new Pump Station, Screen Building, Grit Building, and various pumps and vaults as well as monitoring proper BMP's, and backfill and compaction operations. Mr. Ruiz was responsible for daily inspection reports and documenting photos of the various activities ongoing on site. Mr. Ruiz inspected all work by the contractor and subcontractors to ensure work was completed per approved plans and specifications.

Newhall Ranch Advance Riparian Mitigation Project ($2M). Mr. Ruiz was the Project Engineer and QSP for the Newhall Ranch advance wetlands and mitigation project. Mr. Ruiz's duties included regular and ongoing maintenance of all flood, drainage, wet wells, and water quality protection structures. Perform daily engineering reports of grading cut/fill operations of 154,000 CY of earthwork, monitoring proper BMP and SWPPP implementation and documentation, coordination with contractor, project biologist and owner regarding design deficiencies and plan changes, and ensuring final planting, irrigation, and grade, were installed per plan and specification at both Mayo and Potrero sites, totaling 84.2 acres.

Wastewater Treatment Plant Upgrade, Goleta Sanitary District ($30M). Mr. Ruiz worked as a Field and Office Engineer on the City of Goleta's new wastewater treatment plant upgrade. Mr. Ruiz performed daily field surveillance of field construction operations to assure compliance with contract documents. Responsible for a daily engineer's report that documents daily observations of field operations. Assure labor wage compliance with state and federal regulations of all contractor and subcontractor workers. Responsible for response to contractor request for information, reviewing submittals, reviewing change orders for merit, preparing construction cost estimates, negotiating change order proposals, preparing change orders for the construction manager, verifying dimensions in the field, recommending solutions for construction and design deficiencies and assist the construction manager in various engineering tasks.

Water Reclamation Plant No. 4 and No. 7 Headworks Improvements Project, Coachella Valley Water District ($24M). Mr. Ruiz was the project inspector for the construction of a new Pump Station, Screen Building, Grit Building, and various pumps and vaults as well as monitoring proper BMP's, and backfill and compaction operations at the WRP 4 site in Thermal, CA. Mr. Ruiz was responsible for daily inspection reports and documenting photos of the various activities ongoing on site. Mr. Ruiz inspected all work by the contractor and subcontractors to ensure work was completed per approved plans and specifications.

Casmalia Water Tank Replacement Project ($0.5M). Mr. Ruiz worked as the Field and Office Engineer for the Casmalia Community Service District's galvanized welded steel tank replacement project. Assure that all work complies with the contract documents. Observes, for compliance, soil excavation and compaction, pipeline installation and testing, temporary tank switch-over, steel tank demolition and reconstruction, foundation reinforced ring-wall construction and procedures, grind and pave operations, the relocation and plugging of other water lines, and tie-in of existing pipelines to new pipelines. Assure compliance of all aspects of water tank construction and coating. Coordinates work with contractor, subcontractors and (CCSD) Casmalia Community Service District. Track quantities and quality of materials. Responsible for daily observation of work and

documenting engineer's report, coordinating field changes, inspection of field welding, construction of appurtenances, and coordination with (CCSD) Casmalia Community Service District representatives concerning construction issues. Schedule appropriate testing for tank and pipes, including radiation testing, holiday testing, vacuum testing, sponge testing, bac-t testing, and volatile organic compounds (VOC) testing.

Carlsbad Desalination Pipeline Project ($1B). Mr. Ruiz worked as a Field Engineer and Consultant City Inspector for the City of San Marcos. Mr. Ruiz inspected all work by the contractor within the city to ensure plan and specifications were correctly met. Responsible for ensuring quality assurance and safety was implemented during over 2,640 feet of 55" water pipeline installation throughout the city of San Marcos. Responsibilities included project restoration of ADA sidewalks and ramp ways, catch basins and curbs, property damage, dealing with resident inquiries as needed, and proper traffic control operations. Responsible for a daily engineer's report that documents daily observations of field operations.

City of Fontana, Sanitary Sewer Pump Station Replacement Project ($1M). Mr. Ruiz was the project inspector for this project which includes demolishing and constructing three different lift stations for the city of Fontana. Responsibilities include all inspections and assurance of work to be done per plan and specification, including the MCC room, pump room, generator and equipment pads, wet wells, AC pavement installation, sewer system, manholes, and all control diagrams pertaining to the lift station operations. Coordinate with contractor and city representatives to ensure proper work and safety procedures.

City of Compton, Alhondra Sewer Main Rehabilitation Project ($2.5M). Mr. Ruiz provided inspection for 40,000 LF of CIPP for Compton's sewer main relining project. Mr. Ruiz's duties included quality assurance inspection of the pre and post CCTV, lining installation inspection, SWPPP implementation, manhole rehabilitation and installation, traffic control inspection and open trench point repairs.

City of Culver City, Sewer Main Rehabilitation Project (Phase 2) ($4M). Mr. Ruiz provided inspections for 90,000 linear feet of cured in place pipe (CIPP) for the City-wide sewer main relining project. Mr. Ruiz's duties included quality assurance inspection of the pre and post CCTV, lining installation inspection; SWPPP and traffic control inspection and open trench point repairs.

Chad Costello

Construction Manager

Chad Costello has more than 20 years of construction experience, the past 10 of which have focused on reservoir and public works projects. He began his career working for a local pre-stressing tank contractor working only on concrete reservoir construction projects and worked his way up to superintendent in a very short time. Chad has constructed tanks ranging in size from 0.5 to 40 million gallons and has performed work throughout Southern California. He has also prepared and presented multiple jobsite pre-stressing demonstrations for private and public clients and design professionals.

Education

American Concrete Institute
8-hour seminar

American Shotcrete Institute
8-hour seminar

Professional Affiliations

American Shotcrete Institute

Mr. Costello left the construction side of pre-stressed tank construction after working on 18 pre-stressed reservoirs. He then began working as a construction manager, resident engineer and construction inspector of a wide range of reservoir, pipeline, building and public works projects for Dudek. With his unparalleled experience, working hands on with these broad types of construction, Mr. Costello is a great asset to any agency able to use his talents.

Project Experience

San Clemente Pier Structural and Plumbing Rehabilitation Project, City of San Clemente, California. Mr. Costello is currently the construction manager and inspector for a structural and plumbing rehabilitation project of the City's Ocean Pier. He provided RFI and submittal reviews, contract administration, and public relations services. He also inspected every aspect of the project, coordinating the special inspection and geotechnical/laboratory services.

Miscellaneous Pipelines/Storms Drain Projects, City of San Clemente, California. Mr. Costello was the construction manager and inspector for several large- and small-diameter water pipeline and storm drain projects. He provided RFI and submittal reviews, contract administration, and public relations services on these projects.

El Portal Beach Access Stairs Project, City of San Clemente, California. Mr. Costello was the construction manager and inspector for the construction of a major beach stair access project for the City. The project involved constructing caissons, cast-in-place columns, slope stabilization and timber decking down a steep slope. He provided RFI and submittal reviews, contract administration, and public relations services. He also inspected every aspect of the project, coordinating the special inspection and geotechnical/laboratory services.

Ole Hanson Beach Club Rehabilitation, City of San Clemente, California. Mr. Costello was the construction manager and inspector for this historic 6,000 SF building rehabilitation project. He managed all aspects of construction and provided daily site and building inspection services. The project also included the removal and installation of a new chemical delivery control system for the two large public pool facilities as part of this project.

Conifer Tank Replacement, Triunfo Sanitation District, Ventura, California. Mr. Costello was the construction manager and inspector on the 2.1 MG Conifer Tank Construction Project. He provided RFI and submittal reviews,

contract administration, and public relations services. He also inspected every aspect of the project, coordinating the special inspection and geotechnical/laboratory services.

Recycled Water System Expansion, City of San Clemente, California. Mr. Costello was the resident engineer and inspector on 10 miles of recycled water pipelines that also includes a 200,000 gallon DN tank. He managed all aspects of construction and provided daily inspection services. He also handled all resident inquiries and coordinating the city's public relations representative. The project also involved the construction of metering and pressure reducing facilities.

Various Pre-stressed Concrete Tanks, Southern California. As a DYK employee, Mr. Costello has worked on pre-stressed concrete water tank construction. He was Superintendent for the following projects:

- City of Vacaville, Vacaville, California, 5 MG Tank
- City of Fullerton, Fullerton, California, 5 MG Tank
- City of Ontario, Ontario, California, 6.0 MG Tank.

Otay Water District, Spring Valley, California. Mr. Costello was project Superintendent for two 10 MG 640-1 & 2 Reservoirs.

Yucaipa Valley Water District, Yucaipa, California. Mr. Costello was project Superintendent for a 4.0 MG concrete tank.

Rancho California Water District, Temecula, California. Mr. Costello was project Superintendent for its 3.5 MG concrete tank.

Irvine Ranch Water District, Irvine, California. Mr. Costello was project Superintendent for the 3.5 MG and 2.2 MG pre-stressed concrete tanks.

City of San Juan Capistrano, San Juan Capistrano, California. Mr. Costello was project Superintendent for the 6 MG pre-stressed concrete tank.

San Diego County Water Authority, San Diego, California. Mr. Costello was project Superintendent for two 7.5 MG pre-stressed concrete tank.

Twin Oaks Reservoir, Vallecitos Water District, San Marcos, California. Mr. Costello was Superintendent for this 40 MG, circular pre-stressed concrete tank which is one of the largest pre-stressed tanks currently in operation. The project involved a large excavation of earthworks to burry the 50 ft tall, .25 mile circumference tank. Bank retention, shotcrete and pre-stressed tendons were all a part of this project.

City of Brentwood, Brentwood, California. Mr. Costello was project Superintendent for a 4.0 MG concrete tank.

City of Brentwood, Brentwood, California / Shea Homes California, Livermore, California. Mr. Costello was project Superintendent for its 4.0 MG concrete tank.

City of Mountain View, Mountain View, California. Mr. Costello was project Superintendent for an 8.0 MG concrete tank.

William Gallegos

Construction Manager

William Gallegos has over 35 years of construction experience managing and inspecting a wide variety of public works projects. Mr. Gallegos' experience also includes managing all phases of project development, including planning, design, construction, and operational start-up of the completed facilities. For the past 15 years, Mr. Gallegos has provided construction management and resident engineering services on a variety of public works projects for Dudek, including acting as Interim Public Works Director for the City of Coachella.

Education

California Polytechnic State University
MS Structural Engineering

California Polytechnic State University
BS Civil Engineering

Certifications

US Army Corps of Engineers

Vicksburg Educational and Experimental Center

80-Hour Courses:

- *Soil Design and Construction*
- *Quality Assurance and Quality Control*
- *Levee Design and Construction*
- *Cost Estimating*
- *Concrete Design and Construction*
- *Contract Specification Writing*
- *Channel Design and Construction*
- *A and E Contracting*
- *Asphalt Design and Construction*
- *Construction Contracting*
- *Contract Administration*
- *Vertical Construction*
- *Contract Law*
- *Claims and Modifications*
- *Construction Engineering*
- *Contract Negotiations*

Project Experience

Interim Public Works Director, City of Coachella, California. Mr. Gallegos provided interim public works director services for a one-year period while the City recruited for a permanent director. His duties during the one-year term included:

- Preparation of grant and loan packages
- Assigning staff duties and work hours
- Preparing consultant RFPs along with selection
- Updating and revising City standards
- Preparing estimates
- Plan checking services
- Preparation of staff reports and presentation for City Council

Projects included a variety of public works projects such as parks, road improvements, sidewalks, building renovations, landscaping enhancements, and general maintenance.

Newport Road Widening Antelope to Menifee, City of Menifee, California ($3 million). Construction Manager for this project that included removal and construction of landscaped median, sidewalk, curb and gutter. Reconstruct existing pavement by cement treating base material, utilizing cold central plant recycling, and installing rubberized asphalt pavement. Install new traffic signals, modify existing traffic signals, install striping and loops. Install new irrigation conduits and appurtenances, relocate existing irrigation appurtenances, and restore parkway landscaping. Install and remove traffic control components which include temporary asphalt, custom signs, temporary traffic signal detection cameras, paint.

Dogwood/Interstate 8 Freeway Ramp Widening and Signalization Project, City of El Centro, California ($2 million). Mr. Gallegos was the construction manager for the widening of four ramps, new signalization, Landscaping, and

new road sections. This is a Caltrans project that is being administered by the City. As such, Mr. Gallegos is coordinating daily with Caltrans District 11 personnel and providing all project documentation in accordance with the Caltrans Local Assistance Procedures Manual.

Dogwood Avenue Improvements Project State Street to Interstate 8, City of El Centro, California ($1 million). Mr. Gallegos was construction manager on the City's upcoming Dogwood Avenue Improvement Project. Mr. Gallegos will coordinate daily with Caltrans District 11 personnel and providing all project documentation in accordance with the Caltrans Local Assistance Procedures Manual. The project is funded by the American Recovery and Reinvestment Act (ARRA) and Prop 1B. The project includes removal of the existing road and replacement with new base, geofabric, geogrid, and asphalt. In addition, all curb returns will be removed and replaced to comply with ADA requirements.

Rancho Santa Fe Road North Phase I, City of Carlsbad, California ($30 million). Construction manager for realignment and widening of approximately 9,000 ft. of roadway and construction of four to six lanes of asphalt pavement and raised concrete curb medians with earthwork and drainage facilities necessary to support the city's prime arterial standards. The project included waterline, sewer, and related facilities construction and relocation.

Street Rehabilitation Program Phases 1 thru 6, City of Coachella, California ($2 million). Construction manager for this project. Project consisted of various street segments structural road section replacement, paving, curb and gutter and sidewalk throughout the City.

Van De Graff Ave and Cole Blvd, City of Calexico, California ($1 million). Construction manager for oavement replacement, curb and gutter, raised median, electrical services, and traffic signals.

Water Pipeline Extension for Medium Security Detention Facility, County of Imperial, California. Mr. Gallegos provided construction management services during installation of over 5,000 LF of 12" C- 900 PVC waterline. The project was a joint venture between the City of El Centro and the County of Imperial to provide fire flow and additional capacity serving the County's new medium-security detention center and sheriff station. The project traversed several farm fields, subdivisions, a school, and existing roadways to "loop" the water system providing sufficient pressure and capacity to the facility. A key aspect was the constant coordination with detention facility and sheriff station personnel to allow access and temporary water service during construction.

New 18" Water Line, Goleta Water District, California. Inspector for installation of new waterlines located in Hollister Avenue and Cremona Drive. The new waterlines serve The Village at Los Carneros development and consist of new 18" PVC water pipelines along with new services, valves, and tie-ins to existing facilities. He also provided inspection services during installation of new 54" steel pipe, valves to upgrade the water system to increase capacity to the new 18" PVC waterline. Most of the project was constructed at night because the streets are heavily used during the day. Mr. Gallegos monitored all aspects of construction, including traffic control, paving, and scheduling shut-downs.

Wastewater Treatment Plant Upgrade Project, Goleta Sanitary District, California. Construction Manager for a $30 million upgrade to the District's existing treatment plant project. The project consisted of: upgrades to the existing treatment plant headworks, which include replacing the existing bar screens and grit separator and grit washer; addition of screenings washers and compactors; replacement of the headworks odor reduction tower; conversion of Solids Stabilization Basin 3 into a primary effluent equalization basin; addition of a primary effluent equalization basin pumping station; addition of a new trickling filter and associated recirculation pumping station; addition of aeration basins and aeration system including a Blower Building; addition of secondary sedimentation tanks; modifications to the existing secondary effluent pumping station and recycled water pumping system; waste activated sludge thickening; digested sludge dewatering; a Solids Handling Building; miscellaneous yard piping; electrical duct bank; electrical systems; controls and instrumentation; a Locker and Shower Building; and

other miscellaneous improvements to upgrade and facilitate the existing treatment plant process and operation to provide full secondary treatment.

Avenue 54 Wastewater Treatment Plant Expansion, City of Coachella, California. Construction manager for a $30 million expansion of the existing treatment plant from a capacity of 2.4 mgd to a capacity of 5.4 mgd and construction of two miles of 54-inch and 45-inch main sewer lines.

Entertainment District Avenue 52 Sewage Pump Station, City of Coachella California. Construction manager for a $10 million pump station and sewer project consisting of a new 16-inch force main, a new 12-inch water line, 30-inch gravity sewer, a new pump station building, structural appurtenances, and site work, installing new pumps, motors, piping, valves, fittings and appurtenances, a new diesel engine generator, and a new electrical system.

Avenue 48 Reservoir and Booster Pump Station 5 MG, City of Coachella, California. Mr. Gallegos was construction manager for this $5 million project which consisted of a new water well and 5 MG steel tank as well as two (2) miles of 24-inch ductile iron pipe and appurtenances.

Main Reservoir Mainline Replacement, City of Coachella, California ($3 million). Construction Manager to replace two (2) miles 18-inch ductile iron pipe and appurtenances from the reservoir under Coachella main canal and I-10 to Avenue 48 Entertainment District.

Regional Wastewater Facilities Replacement Force Mains and Gravity Sewer, Rubidoux Community Services District, California ($8 million). Construction manager for installation of two (2) miles of 24-inch HDP pipe, 1000 feet of direction boring, pump station, and appurtenances.

Wastewater Treatment Plant Improvements, City of El Centro, California ($5 million). Construction manager for this project which consisted of piping, VFD's, pump replacements, belt presses, new electrical, repairs to digesters, disinfection ultra violet, polymer, and two pump stations and piping.

Pump station Improvement East Side and Main Pump Station, City of El Centro, California ($3 million). Mr. Gallegos served as construction manager for this project. The project consisted of replacing the wet well and site improvement for the Main Lift Station and replacement of submersible pumps, piping, controls, pump room improvements and start-up of the Eastside Lift Station.

Town Center/Portico Industrial Development, City of Calexico, California ($5 million). Mr. Gallegos was construction manager. The project included road, signals, curb and gutter, sidewalk, pump station, sewer main and laterals, main water line and services, electrical services, and phone.

Baseline Avenue Street Improvements and Double-Box Concrete Reinforced Storm Drain, City of Fontana, California. Project manager for the design and the construction management of this project. The project consisted of constructing a 12 ft. x 12 ft. double concrete-reinforced box 4 feet below grade. Reconstruction of a one lane each way major arterial to a three lane each way with curb and gutter, sidewalk, and six new traffic signals. Special coordination and scheduling with two major developers of two strip malls and three residential housing tracts and Caltrans had to be achieved. Mr. Gallegos was responsible for all RFIs, change orders, redesign of construction and design deficiencies, all material testing, quality control coordination of all surveying, inspectors, pay estimates, City Manager briefings, haul routes, traffic control, detours, public awareness, stormwater pollution plans, and emergency response agencies coordination.

Jim Escutia, CCM

Construction Manager

Jim Escutia has over 12 years' experience in construction management of public work infrastructure projects. He worked as construction manager and contract administrator for the City of Huntington Beach for 7 years, overseeing various types of projects, including sewer lining and lift station, roadway rehabilitation, traffic signal, park, and public building renovation projects. He now works as a construction manager, resident engineer and construction inspector on a wide range of public works and developer projects for Dudek.

Education

BS, Construction Engineering Management

Certifications

Certified Construction Manager (CCM) #10871

OSHA 10-Hour Confined Space Safety and Training Certification

Professional Affiliations

CMAA

ASCE

Project Experience

Contract Administrator, Public Works, City of Huntington Beach, California.
Mr. Escutia served as contract administrator for the City for over 7 years. He directed a variety of construction projects managing the construction budget, negotiations, project operations and ensuring the quality adherence with construction standards. Attended meetings to discuss project details with contractors, owners and other project stakeholders. Simultaneously administered multiple small to large scale projects and controlled yearly project budgets averaging 17 million. Reviewed capital improvement projects for constructability. Projects included:

- *Sewer Lift Station:* The project consisted of abandoning and demolition of an existing sewer lift station, and construction and installation of a new 1,000 gpm submersible sewage lift station and force main. The project also included installation of a new gravity sewer, storm drain, watermain and site restoration.
- *Arterial Paving:* The projects included rehabilitation of existing six lane asphalt roadways with raised medians, sidewalks, landscaping; and traffic signal modifications. Several rehabilitation methods were used including Full Depth Reclamation which consisted of stabilizing the roadway with a 13-inch cement treated subgrade.
- *Residential Paving:* the project consisted of slurry seal and asphalt concrete rehabilitation. This included pre-walks of the projects to verify estimated quantities, roadway mark-outs to identify asphalt removals areas and monitoring traffic control. Public outreach efforts included communicating with the residents, local businesses, area schools as well as emergency services.
- *Sewer Lining:* This project involved construction oversite of the contractor installing 10,000 liner feet of 8-inch and10-inch cured-in-place sewer cleaning, pre-lining, lining and post-lining video. Point repairs and manhole rehabilitations were also undertaken as part of this project.
- *Traffic Signal Modifications:* the projects consisted of modifying existing traffic signals, installing interconnect fiber and adding ADA compliant ramps. Various forms of state and federal funding reimbursements were part of the projects.
- *Access Ramp installations:* Project elements consisted of constructing new sidewalks and ADA compliant ramps to enhance accessibility and safety. Responsibilities included pre-construction meetings, reviewing construction activities and other administrative tasks.

Garrett White, QSP

Construction Inspector

Garrett White has over 25 years' experience in the rapidly changing construction industry, with an emphasis in the construction of water, wastewater, and storm drain facilities for public agencies. He has been involved with the construction of large- and small-diameter pipelines, treatment plants, pump stations for potable and non-potable distribution systems, and horizontal directional drilling (HDD) with an emphasis in trenchless technologies. For the past 15 years, Mr. White has been responsible for providing field inspection services and construction management for various cities and water districts on capital improvement and developer projects. As a field engineer, he is responsible for project coordination, issuing field orders, verifying adherence to submitted schedules, quality control and assurance, maintaining adherence to water pollutions prevention practices, project documentation, and review of as-built records.

Education

Palomar College Courses

Public Works Inspection I

Water Distribution I

Water Treatment I

Certifications

ACI Concrete Field Testing Technician Grade I

ACI Concrete Repair Basics

Qualified SWPPP Practitioner (QSP) #23394

OSHA 10-Hour Confined Space Safety and Training Certification

NASSCO Certifications:

NASSCO certified Trainer

Cured-in-Place Pipe (ITCP) Inspection Certification Program

Pipeline Assessment Certification Program (PACP)

Manhole Assessment and Certification Program (MACP)

Project Experience

V1: West Vista Way Sewer Phase 1, City of Vista, California. Mr. White provided full-time construction and storm water inspections, coordination of geotechnical inspections and adherence to the contract documents for the 18-month duration of this project. The work generally consisted of installation of 4,250 LF of deep cut sewer, micro tunnel boring, bypass pumping, and pavement restoration. The new sewer pipe ranged from 8 inches to 15 inches in diameter and was installed at an average depth of 27 feet below surface level. This project also consisted of bypassing existing sewer flows, in excess of 3.1 MGD, from several multi-family housing units, restaurants, and commercial businesses, while performing positive locate of 15 deep cut sewer laterals, and installation of over 21 new concrete manhole lined and coated and tested. All work was performed while maintaining service to all affected customers. The final portion of the project consisted of over 80,000 sq. ft. of pavement restoration.

Chino Product Water Pipeline HDD Crossing of the Santa Ana River, Chino Basin Desalter Authority, Norco, California. Mr. White provided construction inspection for approximately 1,500 LF of new 30-inch diameter CML&C welded steel water pipeline installed by the open cut method and installation of butt fusion welded 36-inch DR9 HDPE pipeline and appurtenances, including 800 LF crossing beneath the Santa Ana River installed by trenchless horizontal direction drilling (HDD). This project was completed on time and on budget during historic rainfall. One obstacle was the environmental constraints requiring the HDD work to be performed on a 7-days/week basis for 14-days to complete the project on time.

20-Inch Effluent Pipeline, Ramona Municipal Water District, California. The work for this project consisted of: construction of approximately 20,000 LF of 20-inch diameter HDPE IPS DR-17 butt fusion welded pipe, connections to the existing yard piping for the secondary effluent clarifiers at the Santa Maria Treatment plant to

Pond Site #1; installation of approximately 1,000 LF of 20-inch IPS DR-17 HDPE within a 30-inch diameter steel casing via trenchless jack and bore method at five separate locations; installation of blow off assemblies, combination air valve assemblies, pre-cast maintenance structures and construction of a new flow meter vault at the Santa Marie WWTP. All work was performed within an environmentally sensitive wetland habitat. Mr. White performed construction inspection and storm water inspections throughout the duration of this project, ensuring strict adherence to the contract documents, NPDES and SWPPP requirements as required in the Conditions of the General Permit (GCP) and the Environmental Impact Report. During this project, Mr. White coordinated weekly with the project biologist, the construction manager, and the District engineer to ensure all environmental mitigation measures and controls were inspected and maintained, preventing runoff or affecting the habitat.

Vista Hacienda Trunk Sewer Rehabilitation – Design Build, City of Vista, California. Mr. White served as the on-site Inspector of Record for the design build (DB) project that consisted of engineering, design services, inspection, and CIPP lining of 4,562 LF of the City of Vista's 36-inch ductile iron Hacienda Drive Trunk Sewer. Mr. White inspected and reviewed all CCTV and laser profile inspection performed on the trunk sewer, including pre-construction inspection per NASSCO MACP, followed up with recommendation for rehabilitation including onsite inspections during preparation and rehabilitation of 13 manholes along the alignment. Mr. White provided on-site inspection while flow from the trunk sewer was bypassed to a parallel 27-inch VCP sewer. Mr. White then assisted the engineering team in condition assessment.

Construction Inspection Services for As Needed Contract, City of Encinitas, California. Mr. White provided Construction Inspection and management for multiple small projects for the city of Encinitas, including:

- Lone Jack Emergancy Storm Drain Repair
- Bonita Drive Sidewalk Improvements
- Annual Strom Drain Rehabilitation and Repair
- Leucadia Blvd. Flooding Issues, Sump Areas Phase II
- Eolus Ave Sewer Improvements

Rancho Santa Fe Road Rehabilitation, City San Marcos, California. Mr. White provided construction inspection services for this project. This work consisted of over 650,000 sq. ft. of cold milling and rubberized pavement resurfacing and rehabilitation along South Rancho Santa Fe Road. Work included the removal and replacement of structural pavement sections to a depth of over two (2) feet, temporary traffic control, cold milling of pavement, placement of conventional hot mix asphalt, placement of rubberized hot mix asphalt, thermoplastic striping, raised pavement marker placement, temporary video detection systems, installation of video loop detection systems and inspection of traffic control on a daily basis.

Sewer Water and Arterial Paving (SWAP) Capitol Project, City of Del Mar, California. Mr. White served as the lead inspector in charge of several Level I Inspectors for multiple projects performed at the same time. All work for the multiple projects needed to be completed prior to the yearly opening of the World Famous Del Mar Fair. Total project cost of $5 million.

- *Street and Sidewalk Improvement Project:* consisted of roadway improvements with over 4,750 LF of curb & gutter, 24,000 sq. ft. of PCC sidewalk, 250,000 sq. ft. of Type II slurry seal, 20 pedestrian ramps, 140,000 sq. ft. of grinding and asphalt overlay, Full depth roadway reconstruction and construction of multiple retaining walls, signing and striping and grading, retaining walls along Via De La Valle, Camino Del Mar, and along Highway 101 in the City of Del Mar. Included installation of the rapid flashing beacons for pedestrian crossings.
- *Sewer Force Main Project:* consisted of installation, pre-acceptance and post-acceptance testing of over one (1) mile of 10-inch diameter DR18 PVC sewer force main, temporary sewer bypassing of the existing

pump station and installation of the sewer force main on Via De La Valle Blvd., Camino Del Mar and Coast Hwy 101, including two (2) bridge crossings over NCTD ROW and environmentally sensitive Dog Beach in the City of Del Mar by the cured-in-place pipe method installed within new ductile iron pipe.

- *Recycled Water Main Retrofit Project:* consisted of installation, pre-acceptance and post-acceptance testing of over one (1) mile of 8-inch diameter, and five (5) 6-inch diameter lateral lines into the City of Encinitas, construction of fill stations, and an additional 2,000 LF of recycled water main extension.

Coast Highway Pump Station Rehabilitation, City of Encinitas, California.. The project included installation of 1,200 LF of two 4-inch DR 11 HDPE carrier pipes within a single 14-inch DR 11 HDPE casing pipe using horizontal directional drilling construction methods. Work was performed within the environmentally sensitive San Elijo Lagoon Conservancy and within the NCTD ROW. The project also included slip lining of the existing wet well, rehabilitation of electrical systems, and removal of the existing force main on the Coast Highway 101 Bridge. Mr. White served as the onsite QSP for this project. Construction value: $1.3 million

Annual Sewer Rehabilitation Program Phase 1 & Phase 2, City of San Juan Capistrano, California. Mr. White served as the Construction Inspector for Phase 1 and as the Construction Manager on Phase 2 for the City of San Juan Capistrano for this project that consisted of installation of 8,000 LF of small diameter CIPP and over 5,000 LF of large diameter (21-inch) CIPP. As the construction manager, Mr. White prepared and issued change orders and field orders for modifications to the contract documents. Mr. White also served as the QSP for this project.

Recycled Water Expansion Projects 18201C & D, City of San Clemente, California. Mr. White was the inspector on these projects for the City of San Clemente. The City expanded its recycled water system by constructing multiple projects in three concurrent phases – Water Reclamation Plant Expansion and Pump Station (Project1), Cordillera and Recycled Water Reservoirs and Pipeline Schedule III & IV (Project 2), and Pipeline Schedule I & II (Project 3). The treatment and effluent pumping system are being expanded, almost 10 miles of recycled water transmission mains (6-inch to 20-inch PVC and ductile iron) are being constructed, and an existing reservoir converted and new small reservoir constructed.

Home Plant Lift Station and Force Main Replacement, City of Carlsbad, California. Mr. White provided inspection services for this project. The purpose of the Home Plant Lift Station (HPLS) and Force Main (FM) Replacement project is to reduce several operation and maintenance issues with the existing system. The existing HPLS is an 800 GPM wet/dry well type lift station with 3 VFD controlled 20 HP pumps (2 duty & 1 standby). The station is fed by an 18-inch influent sewer and pumps into a 10-inch force main which ultimately outlets into the Vista/Carlsbad interceptor sewer. The new HLPS will consist of a submersible lift station with a PVC lined wet well, bubbler level control, odor control bed, new emergency generator, emergency storage structure, influent sewer piping and manholes, flow meter and valve/camlock vaults, new controls and electrical panel located in the control building, new site fencing, new and restored landscaping, recycled irrigation, asphalt paving and 1,900 LF of 8-inch HDPE force main.

Terramar Lift Station and Force Main Replacement, City of Carlsbad, California. Mr. White served as inspector on this project for the City of Carlsbad. The project involved replacing the existing lift station with pre-cast 6' diameter wet well with two submersible pumps and new valve vault. The project was constructed in the road and behind the sidewalk of major thoroughfare through the City. Two of the 4" submersible pumps were controlled by an ultrasonic level control system. The project included the installation of a new 400 LF 6" PVC force main and a mobile emergency generator. The existing lift station was taken out of service and continuously bypassed for approximately 3 months until the new lift station and force main were put in service. The project also included the CIPP lining of approximately 200 LF of 8" gravity sewer line. Dudek provided construction management, inspection (including the instrumentation and electrical components), and start up services to successfully complete this project on time and on budget.

John Griffin, QSP, CPII

Construction Inspector

John Griffin has over 35 years of experience providing project management, construction management, and inspection services in the public works sector. He worked with the City of Huntington Beach for most of that time, spending 22 years in the Engineering Division, and 13 years with the Maintenance Division. His job duties with the city included contract administration, project management, inspection, and quality assurance of project plans and specifications for a wide variety of public works infrastructure projects. Projects have included sewer, water, lift stations, well sites, bridges, storm drains, grading, slope repairs, structures, utilities, and transportation. Mr. Griffin has extensive knowledge working with Federal, State, and local funding sources and adhering to strict guidelines. He has a proven track record of effectively working with the public, agency staff, consultants, developers, contractors, and utility agencies.

Education

California State University, Fullerton
Supervisor Development Certificate

Certifications

APWA Certified Public Infrastructure Inspector (CPII)

Qualified Storm Water Practitioner (QSP)

IMSA Work Zone Safety

Professional Affiliations

APWA, AWWA, CMMA

Mr. Griffin joined Dudek in 2019 after retiring from the City of Huntington Beach and currently provides construction inspection services on a variety of public works projects for various agencies throughout Southern California.

Project Experience

With Dudek

Marine Safety Building Seismic Retrofit, City of San Clemente, California ($1.3 Million). Mr. Griffin provided on-site Owner's representative services during retrofitting of an existing building for the City that consisted of the following work:

- New sheet pile bulkhead
- Concrete cutoff walls
- Armor mat slope protection
- Concrete piles
- Concrete beam repairs
- Roof framing repairs
- Wood deck/guard rail repairs
- Building siding repairs
- Parking lot improvements
- Interior room renovations

Annual Slurry Seal Projects, City of Laguna Beach, California ($1 Million). Mr. Griffin provided on-site inspection services for two of the City's annual slurry seal contracts (2020 and 2021). Each year the City slurries approximately 200,000 SF of streets within the City as part of its annual program. Mr. Griffin worked with the contractor and residents daily to coordinate road closures and access to residents. The City received no complaints during either contract.

Previous Experience

Contract Administrator, City of Huntington Beach, California. Mr. Griffin served for six years as Contract Administrator for a variety of public works capital improvement projects and maintenance service contracts. Duties include writing City, State and Federal funded contracts; monitoring of construction projects for adherence to Federal and State labor laws; reading and interpreting blueprints, plans and specifications, and manuals; writing detailed reports; and maintaining accurate records. Tasks also included maintaining a well-articulated system for monitoring the progress of projects and programs as well as troubleshooting, analyzing and resolving problems associated with construction contracts.

Senior Public Works Construction Inspector, City of Huntington Beach, California. Mr. Griffin served as senior inspector for the City for over 12 years performing advanced journey-level inspection and contract administration of various types of municipal infrastructures, including the construction and rehabilitation of streets, water facilities, sewers, lift and pump stations, traffic signals, street lighting, beach facilities, parks, landscaping, irrigation systems, median construction, alleys, buildings and bridges. Responsible for the training and oversight of lower level inspection staff. Assured all Federal, State and Local policies, laws and regulations were met as well as all OSHA standards and safety practices were followed.

Public Works Construction Inspector, City of Huntington Beach, California. After serving 15 years in the Maintenance Division for the City, Mr. Griffin moved to the Engineering Division where he was tasked with performing inspections under the guidance and supervision of Senior Level Inspectors and Project Managers. Projects included asphalt paving, curbs, gutters, sidewalks, sewer mains and laterals, water facilities, hydrants, pump stations, and storm drains in the public right-of-way. Duties included traffic control, field contract administration, maintaining detailed records of all contract activities, bid item quantities, time and materials and work progress on a daily basis, reviewing soil reports for compliance with compaction of grading and trench backfill requirements, ensuring quality control and testing coordination for compliance with City and outside agency requirements, and reviewing "as built" records and drawings.

Bradley Voorhees

Construction Inspector

Bradley Voorhees has over 32 years of experience in construction supervision and inspection of municipal projects specializing in water, wastewater and recycled water projects. Mr. Voorhees served in a supervising capacity for the City of Poway for over 30 years overseeing planning, construction and inspection of various water and sewer projects. Duties included development review, plan check, safety compliance, inspection, and training and supervision of over 20 employees.

Education
Palomar College San Marcos
Water Technology Education Program
Certifications
DHS Water Distribution Grade 4
CWEA Wastewater Collection Grade 4
DHS Water Treatment Grade 2
ATSSA Traffic Control Supervisor

Project Experience

With Dudek

As-Needed Inspector, City of Del Mar, California. Since 2016, Mr. Voorhees has provided inspection services for a variety of CIP projects for the City. As the inspector, Mr. Voorhees was responsible for the day-to-day quality assurance inspection of the work, inspecting traffic control and public outreach. To date, projects have included:

- *29th Street Access Sidewalk Repairs*
- *2016/2017 Paving Projects*
- *Jimmy Durante Bridge Water Line Replacement*
- *Jimmy Durante Blvd. Roundabout Project-*
- *Camino Del Mar Multi-use Pathways Project*
- *Jimmy Durante Bluff Failure*
- *2018 Storm Drain, Sewer and Paving Project*

North Shore Community Park, Desert Recreation District, Indio, California. Mr. Voorhees served as inspector for this $3.5 million park that includes the following park elements: mass grading, soccer fields, basketball court, skate park, restroom building (by Romtec), water feature, walking paths, exercise equipment mounds, irrigation, planting, landscape, Musco lighting, and road improvements.

Annual Sewer Rehabilitation Project, City of San Juan Capistrano, California. Mr. Voorhees provided inspection services for the rehabilitation of approximately 9,000 LF of small diameter sanitary sewer at various locations throughout Historic San Juan Capistrano, including relining of 5,000 LF of 21" large diameter trunk sewer, located within the Orange County Flood Control Districts environmentally sensitive Trabuco Creek channel, by means of Cured in Place Pipe (CIPP). Large diameter bypassing was maintained during all phases of construction while performing work on the trunk sewer. The Dudek Inspection team performed all inspections per NASSCO PACP and ITCP requirements. The scope of work also included rehabilitation of large diameter 36"-48" storm drain pipe by utilizing Cured in Place Pipe (CIPP) trenchless method of rehabilitation. The project also included rehabilitation of 15 manholes with spray on calcium aluminate and pressure grouting of the manholes to eliminate infiltration and inflow into the manhole.

As-Needed Inspector Sewer and Water Projects, Ramona Municipal Water District, California. Since 2017, Mr. Voorhees has provided inspection services for a variety of CIP and developer projects for the Ramona Municipal Water District. As the inspector, Mr. Voorhees was responsible for the day-to-day quality assurance inspection of the work, inspecting traffic control and public outreach. To date, projects have included:

- *Rangeland Road Waterline*
- *Santa Maria Sewer and Water Replacement*
- *Mussey Grade Valve Replacement*
- *Tombill Waterline Replacement*

Previous Experience

Water Collection Supervisor, City of Poway, California. Mr. Voorhees served as water collection supervisor for the City overseeing operations and maintenance of wastewater collection and recycled water systems. Facilities in included 170 miles of sewer collection system, 11,000 laterals, 5 lift stations, 12 miles of force main, and 10 miles of recycled water systems. Evaluated and inspected the work in progress of crews involved in installation of new and repair of existing sewer mains, laterals and manholes. Oversaw CCTV inspection and Hydro flushing of existing sewer system. Responded and resolved citizen inquires or complaints. Developed certified traffic control plans Oversaw pavement maintenance program for City facilities. Performed future development review and plan checks. Developed and inspected capital improvement projects. Maintained budgets, oversaw OHSA compliance and developed specifications for new equipment.

Supervisor Utility Operations, City of Poway, Poway, California. Mr. Voorhees oversaw operations and maintenance of water, wastewater and recycled water systems. Facilities included 210 miles of water system, 14,000 laterals, 4,000 fire hydrants, 170 miles of sewer collection system, 11,000 laterals, 5 lift stations, 12 miles of force main, and 10 miles of recycled water systems. Evaluated and inspected the work in progress of crews involved in installation of new and repairs of existing water, sewer and recycled water systems. Responded and resolved customer inquiries or complaints. Develop certified traffic control plans. Oversaw backflow prevention program. Developed and inspected pavement maintenance program for City facilities. Performed future development review and plan checks. Developed and inspected capital improvement projects. Maintained budgets and oversaw OHSA compliance.

Water/Wastewater Utility Supervisor, City of Poway, California. Operations and Maintenance of water and wastewater systems. Evaluated and trained 6-8 employees on procedure and safety. Installed new water lines, sewer lines and laterals. Provided new construction inspections.

Al Olea

Construction Inspector

Al Olea has more than 21 years' experience as a construction project manager, inspector, and supervisor for residential, commercial, and public works projects. He has completed inspection of a variety of public works projects, including roadways, pipelines, pump stations, treatment plant projects, and administration buildings. His construction background includes scheduling and supervising up to 150 employees, cost estimating, preparing construction proposals, obtaining building permits, and managing construction sites.

Education

California State Polytechnic University, Pomona

BA Business Management

Certifications

Hazmat Certified CFR-49

ICBO-Certified Building Inspector

Project Experience

As-Needed Inspection Services, City of Huntington Beach, California. Mr. Olea is currently providing inspection services on a variety of utility projects for the City. As utility companies pull encroachment permits, Mr. Olea inspects the work in City right-of-way for compliance with permit requirements. Inspection includes traffic control, safety, backfill, compaction, and return of ROW to existing conditions.

Dogwood/Interstate 8 Freeway Ramp Widening and Signalization Project, City of El Centro, California. Mr. Olea is currently providing roadway inspection services on the City's Dogwood Road expansion project that includes widening of four ramps, grading, curb, gutter, sidewalk, new signalization, landscaping, and new road sections. This is a Caltrans project that is being administered by the City. As such, Mr. Olea is coordinating daily with Caltrans District 11 personnel and providing all project documentation in accordance with the Caltrans Local Assistance Procedures Manual. This project is expected to be completed in September 2010

Valencia Library Remodel City of Fontana, California. Mr. Olea performed full-time quality control and quality assurance inspection for this 20,000-square-foot remodel. Responsibilities included the coordination of third party material testing and inspections for both asbestos removal and mold mitigation. The building's interior was completely demolished and the interior was rebuilt for the City of Fontana's Community Service Group.

Mr. Olea coordinated on a daily basis with the general contractor to schedule the work and monitor numerous subcontractors. He coordinated changes and modified issues in the field with the architect to keep the project on track and within budget. The original building was built in the 1960s and presented many challenges and unforeseen conditions that required numerous field changes.

Street Rehabilitation Phases 1 and 2, City of Coachella. Mr. Olea provided inspection services for pavement rehabilitation and reconstruction at multiple locations throughout the City. Rehabilitation methods included overlay, heater remix, and removal and replacement of existing curb and gutter, sidewalks, cross gutters, and driveways. Mr. Olea was also responsible for coordinating the work with the public during driveway and street closures, as well as monitoring all contractors' traffic control.

Senior Community Center, City of Fontana, California. Mr. Olea performed full-time quality control and quality assurance inspection for this 43,000-square-foot facility starting with the on-site grading, over-excavation and re-

compaction of the building pad, through to completion of the project. Quality assurance oversight and coordination also included upgrading and tie-in to the City water and sewer systems. Responsibilities included the coordination of third-party material testing and inspections, as well as daily coordination with the general contractor and numerous subcontractors. He also coordinated numerous RFIs and submittals, as well as tracked change orders and processed monthly payment requests. In addition, Mr. Olea provided daily field reports and kept a daily photo journal.

Administration Building and Laboratory, City of Coachella, California. Mr. Olea provided daily field inspection of the city's administration and laboratory building located at the city's treatment plant. The 10,000-square-foot building was made out of masonry block, concrete, and structural steel. Responsibilities included inspection of all construction including water, sewer, storm drain and electrical underground installations. A portion of the building contained an intricate testing laboratory with a series of shelves, counters, sinks, cabinets, and special flooring to resist chemical spills. The remainder of the building contained offices and a laboratory for the plant's books and documents.

Wastewater Treatment Expansion, City of Coachella, California. As lead inspector for the City's $24 million expansion project, Mr. Olea inspected all structural concrete and steel elements for the various structures, the installation of underground piping, and the mechanical and electrical components. Structures inspected by Mr. Olea included the administration building, headworks/influent lift station, oxidation ditches, clarifiers, and a chlorine contact basin. He worked closely with the contractor's superintendent, coordinating every aspect of this project. Several critical tie-ins required coordination with the operators of the plant to ensure minimal disruption of sewer service to the public. Mr. Olea was responsible for documenting all field aspects of construction, including daily reports and the manpower, equipment, and materials used on the project.

City of Coachella Pump Station and Pipeline Project, Coachella, California. As an Inspector for the pump station and pipeline project, Mr. Olea's duties included inspecting all structural, electrical, mechanical, pipelines and plumbing, as well as installation of base, asphalt, and petromat overlay and landscape installation. He was the lead inspector for this $8 million project, which was taken over by the contractor's bonding company because the contractor defaulted on the original contract. Mr. Olea was instrumental in evaluating the value of work remaining after the default, as well as putting together the work program to complete thework for the take-over contractor. He also inspected the installation of the large-diameter pipelines connecting the pump station to the city's backbone system, as well as monitoring the start-up of the 10 mgd pump station.

Previous Experience

Prior to working as an inspector for Dudek, Mr. Olea worked for APEX Construction, where he was responsible for oversight and management of all Target, Black Angus, and Chevron retrofit projects throughout the United States. His responsibilities included supervising and scheduling work forces, obtaining all building permits, and close-out procedures for the projects.

Mr. Olea has also worked as a laborer on several roadway, utility underground, asphalt and concrete paving and structural concrete projects, providing him with hands-on experience on a variety of types of construction.

John Przybyszewski

Construction Inspector

John Przybyszewski has over 37 years' experience in construction management, park, and golf course construction, and country club management, including capital improvements and remodels, project management and quality control, maintenance and irrigation programs, grading, plan review, documentation and contract administration, bid evaluation, regulatory compliance, budget design and administration, owner/designer liaison.

Education

University Of Massachusetts
AA Turfgrass Management

Certifications

South Coast Air Quality Management District Fugitive Dust Control Certificate

Professional Affiliations

Southern California Turfgrass Council

Pesticide Applicators' Professional Association

Golf Course Superintendents' Association of America

Golf Course Superintendents' Association of Southern California (former Director)

Project Experience

As-Needed Inspection Services, City of Huntington Beach, California. Mr. Przybyszewski is currently providing inspection support on a variety of CIP projects for the City. Projects completed include: Trinidad Pump Station, Well #5, Sewer Slip Lining, Angler/Palisade Tree Partition, and Zone 8 Residential Overlay.

Warner Ave. Sewer Pump Station, Gravity and Forcemain Pipeline Project, City of Huntington Beach, California (Construction Value: $11 million). Mr. Przybyszewski is currently providing construction management and daily inspection during installation of two new sewer pump stations and over a mile of gravity and forcemain PVC sewer pipelines for the City of Huntington Beach. The project is being construction in the City's public streets and right-of-way, including sections in Pacific Coast Highway (PCH). John coordinates daily with Caltrans for traffic control requirements on PCH, and with the surrounding residents. Project details are as follows:

- 16" PVC gravity – 2,000 Ln. Ft.
- 12" PVC forcemain – 1,000 Ln. Ft.
- New Lift Station C – 1,200 GPM with dry well, wet well, and valve vault
- Demolition of four (4) existing lift stations

Recycled Water System Expansion, City of San Clemente, California (Construction Value: $10 million). Mr. Przybyszewski provided construction management services that included the observation and daily inspection for the installation of the San Clemente Recycled Water System Expansion Project, consisting of the installation of:

- 30,040 Ln. Ft. Class 200 PVC AWWA C900 pipelines of various diameters 6', 8", 12"
- 5,965 Ln. Ft. Class 350 D.I. pipeline of various diameters 6", 16", 20"
- 2,030 Ln. Ft. Fusible 16" PVC C905 Slip lining in host 20" pipe installing services
- 75 - 2" Water Services
- Cathodic Protection System
- Pressure Reducing Station

Big League Dreams Sports Complex, City of West Covina, California. As Project Manager, Mr. Przybyszewski performed as owner's representative, interfacing with site improvement contractors during construction of 6 replica baseball fields, which included Angel Stadium, Dodger Stadium, Fenway Park, Tiger Stadium, Wrigley Stadium, and Yankee Stadium. The $34 million project also included construction of 23,000 square feet covered special use pavilion, two children's playgrounds, nine station batting cage, two sports theme full service restaurants, 3,000 sq. ft. maintenance building, and installation of the irrigation system and site landscape material.

Rustic Canyon Golf Course Moorpark, California. As project manager, managed construction of 18-hole championship Gil Hanse Design golf course, with $8.1 million budget and 60 personnel, including bid review, supervision of plans, building sites, grading, roads, paving, utilities, documentation and permits. Served as liaison with owner, course and landscape architects, engineering firm, and irrigation designer. Negotiated contracts with qualified contractors. Reviewed all construction drawings, specifications, costs and provide design recommendations for course, clubhouse, cart storage and maintenance buildings. Supervised quality control and regulatory compliance, marketing and advertising.

The Crossings at Carlsbad, Carlsbad, California. As resident engineer, performed as owner's representative, interfacing with golf course and site improvement contractors during construction of a 18-hole Championship Greg Nash design golf course with $30 million budget for the City.

Western Golf Properties, Scottsdale, Arizona. As construction manager, performed as owner's representative, interfacing with golf course contractor during construction of 18-hole Tom Fazio course with $14 million budget at Shady Canyon in Irvine, CA, two 18-hole courses at Rancho La Sierra in Riverside, CA, and an 18-hole Pete Dye Design course with $8.6 million construction budget at Ocean Trails in Rancho Palos Verdes, CA, involving accelerating construction schedule in preparation for a celebrity golf tournament.

Domani Golf Management, Inc., La Quinta, California. Mr. Przybyszewski established Domani Golf Management, Inc. and is presently subcontracting golf course construction management services to Heinbuch Golf, LLC.

Mission Viejo Country Club, Mission Viejo, California. In his role as Project Manager, performed as owner's representative, interfacing with golf course and site improvement contractors during the restoration construction of the Robert Trent Jones Sr. designed Mission Viejo Country Club. The $6 million restoration project consisted of teeing area, all greenside and fairway sand bunker restoration, installation of complete golf course irrigation system as well as relocation and construction of the 1 ac. irrigation lake with new pump station equipment and building, and installation of 32,000 Ln. Ft. of fairway drainage and 8,800 Ln. Ft. of deep slope groundwater drainage.

Silver Rock Resort, La Quinta. As project manager, performed as owner's representative, interfacing with golf course and site improvement contractors during construction of 18-hole championship Arnold Palmer golf course and 10,000 sq.ft. golf course maintenance building. Managed site improvements for temporary clubhouse and Greg Nash 9-hole addition.

Palm Desert Country Club, Palm Desert, California. As Vice President/General Manager, managed $3 million annual budget and supervision of 30 personnel of country club with Billy Bell-designed golf course, including restoration and rejuvenation of course, and interior/exterior remodeling of clubhouse. Also aided Superintendent by performing troubleshooting on agronomic problems and designing maintenance programs for course and golf carts.

Neil Sheldon Boren

Construction Inspector

Neil Boren has over 28 years of experience in the geotechnical industry. Mr. Boren has been involved in complex earthwork projects, including various pipeline projects, the construction of buttress fills to support landfills, the installation of geotextiles for subgrade stabilization, the placement of rock fills and site dewatering. His background includes the evaluation of large-scale excavations for reservoirs and water treatment facilities. In addition to earthwork procedures, Mr. Boren has performed inspections for foundation construction and pavement installation. As a senior soil and concrete technician, he has provided supervision and training for field and laboratory staff.

Certifications

Certified Nuclear Gauge Operator

Radiation Safety Officer

ACI Concrete Field Testing Technician, Grade 1

Project Experience

Mr. Boren has provided services for various municipal projects throughout Southern California, including:

- Vista Verde Reservoir Replacement, Phase II, City of Escondido
- Vista Water Treatment Plant Chemical Storage Facility, City of Escondido
- FY 2015 Major Plant Rehabilitation, Encina Wastewater Facility
- Borden Road Bridge, City of San Marcos
- Improvements to Poinsettia Ave. & La Mirada Dr., City of San Marcos
- Sunset Park, City of San Marcos
- Mission Sports Park, City of San Marcos
- Walnut Grove Pedestrian Bridge, City of San Marcos
- Southwest Sewer Replacement Project, City of Escondido
- FY 2017 Street Repair and Maintenance Program, City of San Marcos
- Reed Reservoir, City of Escondido
- Barham Drive Improvements, City of San Marcos
- Tulip Street Improvements, City of Escondido
- Alexander Waterline, Phase II, City of San Marcos
- Lift Station No. 2, Rainbow Municipal Water District

Tom Ramirez

Construction Inspector

Mr. Ramirez has over 35 years of experience in construction providing construction management and field inspection services on public works and private development projects. Experience includes water, sewer, storm drain, and pipeline construction; wastewater treatment plants; roadway construction; bridge retrofits; and new construction, repairs and remodels of public buildings and residential developments. Experience includes preconstruction, constructability and plan reviews; survey staking; SWPPP; and traffic control, including:

Construction management and field inspection

- State and local highways: drainage and structural section, general infrastructure improvements and bridge seismic retrofit.
- Public Works: street structural sections, signals, sewer, storm drains, waterlines. Facility improvements pump stations, waste water treatment plants, onsite surface and subsurface improvements. Traffic control and SWPPP monitoring. Preconstruction, constructability and plan reviews.

Project Experience

Railroad Canyon Water Reclamation Facility Yard Piping Modifications Project, Elsinore Valley Municipal Water District, California. Mr. Ramirez served as project manager/lead inspector for the District on this project that included the remodel of two (2) aeration basins with HDPE Baffle curtains, concrete support structures, and submersible mixer pumps. Yard piping included 2,750 LF of 12" RW pipe C-900 pipe with appurtenances, 150 LF 14" DR piping, HDPE liner and concrete stairs for two (2) RW holding ponds, 3 outlet structures, 1,440 LF of 4" W3 wash down piping with wharf hydrants, wire perimeter fence with gates around the RW ponds, and control room upgrades. Approx. $3 mil.

Police Station Rehabilitation Project, City of Hemet, California. Mr. Ramirez served as project manager/lead inspector for this project. The project included: demolition, asbestos and lead remediation, office space, restroom and jail facilities reconstruction/remodel, epoxy/stain floors and walls, framing, drywall, tile, Armortex bullet proof walls, concrete walks and stairs. Approx. $3 mil.

Central City Park, City of Fontana, California. Mr. Ramirez was project manager/lead Inspector for this new park project. The new park includes three (3) lighted soccer/football fields with artificial turf, concession and restroom building, storage building, 20,000 SF underground stormwater chamber system, playground, A Horseshoe Club, a community garden, picnic area, and two (2) parking lots. Approx. $9.3 mil.

Assistant Resident Engineer for Bridge Retrofit Projects, District #8 Caltrans. Bridge retrofit projects in San Bernardino County. Included: infill walls, abutment extensions, cable restrainers, column casings, traffic control and surface improvements.

- City Creek, two bridges
- Cajon pass I-15/215 interchange, five bridges
- Lytle Creek, one bridge
- Hwy 18, viaduct retrofit
- Hwy 38, two bridges

- Hwy 138, railroad over crossing

Lead Inspector, City of San Marcos, California. Mr. Ramirez was lead inspector on various City CIP projects including: street widening, signals, storm drains, utilities and surface improvements. The Creekside Marketplace project included grading and parking lot improvements, utilities, storm drains, curbs, sidewalks, planters, 25' BTH palm trees, asphalt and striping. Approx. $6.5 Mil

Lead Inspector, Valley Sanitary District, Indio, California. Mr. Ramirez served as lead inspector for several project for the District, including:

- *Shadow Hills Service Area Phase 1* – included: 1,400LF Horizontal Directional Drill of 54" HDPE carrier pipe of 4 HDPE service pipes, 36" RCP, 21" RCP, 60" MH's, 16" HDPE reclaim water, 2-HDPE manholes, surface repairs of Curb and gutter, asphalt concrete, sidewalk and ribbon gutter. Approx. $6.2 Mil
- *Permit "as needed" inspection for development improvements.*
- *Shadow Hills Service Area Phase Two and Three* – included: 36" PVC, 27" PVC, Precast Manholes, surface repairs of curb and gutter, asphalt concrete, sidewalk and street reconstruction. Approx. $6.0 mil
- *Avenue 48 Sewer Reconstruction and Water Line Reconstruction* – This work was in partnership with the City of Indio which included: street reconstruction and widening, 18" PVC sewer, 27" sewer, manholes and laterals, 18" DIP water line connections and appurtenances. Approx. $5.5 mil.
- *Pavement reconstruction project, Monroe Street. Avenue 49 to Interstate 10 and Monroe Street Interceptor Sewer* – Responsibilities included: Installation of 24" C905-DR25 PVC (60 LF), 18" C905-DR25 PVC (2014 LF), 18" SDR35 PVC (2734 LF), 8" SDR35 PVC (440 LF), laterals, manhole tie-ins, manhole frame and covers, surface restoration. Approx. $6.8 mil.

Street Rehabilitation Programs, Phases 2 and 3, City of Coachella, California. Mr. Ramirez was lead inspector. The project included: removal and replacement of damaged curb and gutter, sidewalk, driveways, cross gutters, spandrels and street grinding, replacement of asphalt concrete with AR4000 base course and AHRM Surface course. Approx. $6 mil.

Lead Inspector, Coachella Sanitary District, California. Mr. Ramirez served as lead inspector for several project for the District, including:

- *Entertainment District Ave 52 Sewage Pump Station* – included: 16" sewage force main, 12" DIP water line, 36" gravity sewer, manholes and sewage pump station. Approx. $5.72 mil.
- *Entertainment District, Ave 54 Waste Water Treatment Plant Expansion Project* – Improvements included: headwork's and influent pump station, oxidation ditches, chlorine contact basins for oxidation ditches, clarifiers, sludge drying beds, bio solids stockpile area, raw affluent sewage and waste affluent sewage (RAS/WAS), ductile iron and PVC pipelines and pump room, generator building, electrical building, administration building, landscaping, parking lot and misc. surface improvements. Approx. Cost. $20 mil.

Pavement Reconstruction Project, La Paz Drive, Tamarisk Road Realignment and Paving, and AFG Plant Storm Drain Improvements, City of Victorville, California. Mr. Ramirez was lead inspector for this project that included removal and replacement of a 14' x 23' elliptical RCP storm drain, full street section reconstruction, 2x5x60 box culvert, vertical realignment and paving of existing street, striping, and parkway grading. Approx. $1.7 mil.

Lead Inspector, City of Poway, California. Mr. Ramirez provided as-needed inspection services to the City's Development Services Dept. Projects included: New development and residential, grading, blasting, rock retaining walls, utilities, water, street structural section, storm drain facilities, water retention systems, parking lots, SWPPP monitoring, directional boring for AT&T conduits in residential streets, traffic control monitoring, and installation of monitoring wells.

William Reeves

Construction Inspector

William Reeves has more than 26 years' experience in the construction industry inspecting a wide variety of public works projects. Prior to being an inspector, Mr. Reeves owned and operated a steel fabrication business for 19 years, and has been a certified welding inspector for 15 years. He is responsible for observation and inspection of water pipeline facilities including structural steel and welding for conformance with the approved design drawings, specifications to applicable welding codes and standards, AWS D1.1, D1.3, D1.4, D1.5, API, ASME, FEMA, DSA, AWWA, and OSHPD. Mr. Reeves is also experienced in quality control inspection for conformance to applicable codes, safety management, scheduling, purchasing, documentation, reporting, and site supervision of construction personnel for a variety of water projects.

Education

NASSAU Community College, New York Drafting & Technical Drawing

S.U.N.Y. at Morrisville, New York B.S. Biology

Riverside Community College, Welding Inspection Technology

Certifications

AWS Certified Welding Inspector: AWS CWI

Certified ICC Structural Welding

Certified ICC Structural Steel and Bolting

Certified ICC Fireproofing

City of San Diego Steel and Welding

OSHA Certified Safety Technician - OSHA 30 hour Training, MSHA & First-Aid/CPR

Project Experience

Inspector, Goleta Water District. Mr. Reeves was the lead inspector for a 20" steel water line for the District. He inspected all pipe installation, including all appurtenances, VACs, thrust blocks, excavation, trenching, tie-ins, valves, and concrete vaults.

Inspector, Ramona Municipal Water District. Mr. Reeves is currently the inspector for a 16" steel water line and all appurtenances, including welding, air VACs, blow-offs, thrust blocks, valves, and concrete blocks.

Special Inspector, AWS CWI, Structural Steel and Welding. Various in-plant and on-site QA/QC inspection. Responsible for the observation and inspection of structural steel welding and bolting for conformance with the approved design drawings, specifications to applicable welding codes and standards, AWS D1.1, D1.3, D1.4, D1.5, API, ASME, FEMA, DSA, AWWA, OSHPD. Furnish inspection reports to the Building Official, Contractor, Engineer and Architect of record. Piping, bridges, dams, hospitals, schools, public works.

Quality Control Manager, ARB Inc. Responsible for the observation, inspection, examination and reporting of structural steel erection and welding per AWS D1.1 and pipe welding per ASME B31.3. Structural design, welding procedures, welder qualification testing. Furnish inspection and quality reports.

Special Inspector, AWS CWI, Structural Steel and Welding, Fireproofing. Various in-plant and on-site QA/QC inspection. Responsible for the observation and inspection of structural steel and welding/bolting for conformance with the approved design drawings, specifications to applicable welding codes and standards, AWS D1.1, D1.3, D1.4, D1.5, API, ASME, FEMA, DSA, AWWA, OSHPD. Furnish inspection reports to the Building Official, Contractor, Engineer and Architect of record.

Inland Empire Energy Center, Romoland, California. Quality Control Manager/Inspector, Safety Technician responsible for the observation, inspection, and reporting of structural steel erection and welding per AWS D1.1,

AWS D1.3. Inspection of welding structural aluminum and welding of aluminum electrical buss ducts and supports per AWS D1.2. Structural design, write welding procedures, welder qualification testing. Furnish inspection and safety reports.

Agate Inc, Phoenix Arizona. Project Superintendent, oversee the erection and construction of Pre-Engineered Metal Buildings at Panoche Energy Center, Fresno, CA. Duties: Quality Control Inspection for conformance to applicable codes, Safety Manager, scheduling, purchasing, documentation, reporting, supervise site construction personal.

Various In-Plant and Site QA/QC Inspection. Special Inspector, AWS CWI, Structural Steel and Welding. Responsible for the observation and inspection of structural steel and welding work, piping, bridges, dams, hospitals, schools, public works. Inspected for conformance with the approved design drawings, specifications and applicable welding and building codes, AWS D1.1, D1.2, D1.3, D1.4, D1.5, API, AWWA, ASME, DSA, OSHPD. Furnish inspection reports to the Building Official, Contractor, Engineer and Architect of Record.

AB Iron Design. Owner and operator of steel fabricating and welding business. Duties: estimating, design, sales, accounting, fabricating, welding, erection, safety, quality control. Misc iron and structural steel.

In-Plant and Field Inspection Projects Mr. Reeves has worked on:

- UCLA Medical Center, Santa Monica, CA
- HUGHES Corporation., El Segundo, CA
- Los Angeles Southwest College, LA, CA
- Riverside County Hospital, Moreno Valley, CA
- El Monte Adult Education Building, El Monte CA
- Los Angeles Unified School District, LA, CA
- Parkview Community Hospital, Riverside, CA
- Fallbrook Hospital, Fallbrook, CA
- San Francisco Civic Center Complex, SF, CA
- Sutter Medical Center, Castro Valley, CA
- CALTRANS-Arroyo Seco Bridge, Pasadena, CA
- St. John's Hospital, Santa Monica, CA
- Physicians Hospital, Murrieta, CA
- CALTRANS 15 Freeway San Diego Expansion, SD, CA

CONSULTANT AGREEMENT

THIS AGREEMENT is made this **24** day of **May** 2022, by the CITY OF GARDEN GROVE, a municipal corporation, ("CITY") and the GARDEN GROVE SANITARY DISTRICT BOARD, a California special district ("DISTRICT"), and JIG Consultants, a California Corporation ("CONSULTANT").

RECITALS

The following recitals are a substantive part of this Agreement:

1. This Agreement is entered into pursuant to the City and Board authorization dated **May 24, 2022**.

2. CITY and DISTRICT desires to utilize the services of CONSULTANT to provide **On-Call Construction Management and Inspection Services for Various Water and Sewer Improvement Projects**

3. CONSULTANT is qualified by virtue of experience, training, education and expertise to accomplish services.

AGREEMENT

THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. **Term of Agreement:** This Agreement shall cover services rendered from date of this Agreement until the services are completed, compensation reaches the not to exceed amount, or sooner terminated per Section 3.5

2. **Services to be Provided:** The services to be performed by CONSULTANT shall consist of the services as further specified in CONSULTANT'S proposal attached hereto as **Exhibit A** and incorporated herein by reference. CONSULTANT agrees that is provision of Services under this agreement shall be within accepted accordance with customary and usual practices in CONSULTANT'S profession. By executing this Agreement, CONSULTANT warrants that it has carefully considered how the work should be performed and fully understands the facilities, difficulties, and restrictions attending performance of the work under this agreement.

3. **Compensation.** CONSULTANT shall be compensated as follows:

   3.1 Amount. Compensation under this Agreement shall be per fee schedule included in the Proposal.

   3.2 Not to Exceed. Compensation under this Agreement shall not exceed **$500,000**.

3.3 Payment. For work under this Agreement, payment shall be made per monthly invoice. For extra work not a part of this Agreement, a written authorization by CITY/DISTRICT will be required.

3.4 Records of Expenses. CONSULTANT shall keep complete and accurate records of payroll costs, travel and incidental expenses. These records will be made available at reasonable times to CITY/DISTRICT.

3.5 Termination. DISTRICT and CONSULTANT shall each have the right to terminate this Agreement, without cause, by giving thirty-(30) days written notice of termination to the other party. If CITY/DISTRICT terminates the project, then the provisions of paragraph 3 shall apply to that portion of the work completed.

4. **Insurance Requirements**

4.1 Commencement of Work CONSULTANT shall not commence work under this Agreement until all certificates and endorsements have been received and approved by the CITY/DISTRICT. All insurance required by this Agreement shall require the carrier or agent to notify the CITY/DISTRICT of any material change, cancellation, or termination at least thirty (30) days in advance.

4.2 Workers Compensation Insurance For the duration of this Agreement, CONSULTANT and all subcontractors shall maintain Workers Compensation Insurance in the amount and type required by law, if applicable. The insurer shall waive its rights of subrogation against the CITY/DISTRICT, its officers, officials, agents, employees, and volunteers.

4.3 Insurance Amounts CONSULTANT shall maintain the following insurance for the duration of this Agreement:

a) Commercial general liability in the amount of $1,000,000 per occurrence; (claims made and modified occurrence policies are not acceptable); Insurance companies must be admitted and licensed in California and have a Best's Guide Rating of A-, Class VII or better, as approved by the CITY/DISTRICT;

b) Automobile liability in the amount of $1,000,000 per occurrence; (claims made and modified occurrence policies are not acceptable) Insurance companies must be admitted and licensed in California and have a Best's Guide Rating of A-, Class VII or better, as approved by the CITY/DISTRICT.

c) Professional liability in the amount of $1,000,000 per occurrence; Insurance companies must be acceptable to CITY/DISTRICT and have an AM Best's Guide Rating of A-, Class VII or better, as approved by the CITY/DISTRICT. If the policy is written on a

"claims made" basis, the policy shall be continued in full force and effect at all times during the term of the agreement, and for a period of three (3) years from the date of the completion of services provided. In the event of termination, cancellation, or material change in the policy, professional/consultant shall obtain continuing insurance coverage for the prior acts or omissions of professional/consultant during the course of performing services under the term of the agreement. The coverage shall be evidenced by either a new policy evidencing no gap in coverage, or by obtaining separate extended "tail" coverage with the present or new carrier.

An Additional Insured Endorsement, **ongoing and completed operations,** for the policy under section 4.3 (a) shall designate CITY/DISTRICT, its officers, officials, employees, agents, and volunteers as additional insureds for liability arising out of work or operations performed by or on behalf of the CONSULTANT. CONSULTANT shall provide to CITY/DISTRICT proof of insurance and endorsement forms that conform to CITY/DISTRICT's requirements, as approved by the CITY/DISTRICT.

An Additional Insured Endorsement for the policy under section 4.3 (b) shall designate CITY/DISTRICT, its officers, officials, employees, agents, and volunteers as additional insureds for automobiles owned, lease, hired, or borrowed by CONSULTANT. CONSULTANT shall provide to CITY/DISTRICT proof of insurance and endorsement forms that conform to CITY/DISTRICT's requirements, as approved by the CITY/DISTRICT.

For any claims related to this Agreement, CONSULTANT's insurance coverage shall be primary insurance as respects to CITY/DISTRICT, its officers, officials, employees, agents, and volunteers. Any insurance or self-insurance maintained by the CITY/DISTRICT, its officers, officials, employees, agents, or volunteers shall be excess of the CONSULTANT's insurance and shall not contribute with it.

If CONSULTANT maintains higher insurance limits than the minimums shown above, CONSULTANT shall provide coverage for the higher insurance limits otherwise maintained by the CONSULTANT.

5. **Non-Liability of Officials and Employees of the DISTRICT.** No official or employee of DISTRICT shall be personally liable to CONSULTANT in the event of any default or breach by CITY/DISTRICT, or for any amount, which may become due to CONSULTANT.

6. **Non-Discrimination.** CONSULTANT covenants there shall be no discrimination against any person or group due to race, color, creed, religion, sex, marital status, age, handicap, national origin or ancestry, in any activity pursuant to this Agreement.

7. **Independent Contractor.** It is understood and agreed that CONSULTANT, including CONSULTANT's employees, shall act and be independent contractor(s) and not agent(s) or employee(s) of CITY/DISTRICT, and that no relationship of employer-employee exists between the parties. CONSULTANT's assigned personnel shall not obtain or be entitled to any rights or benefits that accrue to, or are payable to, CITY/DISTRICT employees, and CONSULTANT shall so inform each employee organization and each employee who is hired or retained under this Agreement. CITY/DISTRICT is not required to make any deductions or withholdings from the compensation payable to CONSULTANT under the provisions of this Agreement, and is not required to issue W-2 Forms for income and employment tax purposes for any of CONSULTANT's assigned personnel. CONSULTANT hereby expressly assumes all responsibility and liability for the payment of wages and benefits to its assigned personnel, and all related reporting and withholding obligations. CONSULTANT hereby agrees to indemnify and hold CITY/DISTRICT harmless from any and all claims or liabilities that DISTRICT may incur arising from any contention by any third party, including, but not limited to, any employee of CONSULTANT or any federal or state agency or other entity, that an employer-employee relationship exists by reason of this Agreement, including, without limitation, claims that CITY/DISTRICT is responsible for retirement or other benefits allegedly accruing to CONSULTANT's assigned personnel.

8. **Compliance With Law.** CONSULTANT shall comply with all applicable laws, ordinances, codes and regulations of the federal, state and local government. CONSULTANT shall comply with, and shall be responsible for causing all contractors and subcontractors performing any of the work pursuant to this Agreement, if any, to comply with, all applicable federal and state labor standards, including, to the extent applicable, the prevailing wage requirements promulgated by the Director of Industrial Relations of the State of California Department of Labor. The CITY/DISTRICT makes no warranty or representation concerning whether any of the work performed pursuant to this Agreement constitutes public works subject to the prevailing wage requirements.

9. **Disclosure of Documents.** All documents or other information developed or received by CONSULTANT are confidential and shall not be disclosed without authorization by CITY/DISTRICT, unless disclosure is required by law.

10. **Ownership of Work Product.** All documents or other information developed or received by CONSULTANT shall be the property of CITY/DISTRICT. CONSULTANT shall provide DISTRICT with copies of these items upon demand or upon termination of this Agreement.

11. **Conflict of Interest and Reporting.** CONSULTANT shall at all times avoid conflict of interest or appearance of conflict of interest in performance of this Agreement.

12. **Notices.** All notices shall be personally delivered or mailed to the below listed addresses, or to such other addresses as may be designated by written notice. These addresses shall be used for delivery of service of process.

(a) Address of CONSULTANT is as follows:

JIG Consultants
Joseph Gutierrez
318 West Katella Avenue, Suite A
Orange, CA 92867

(b) Address of DISTRICT is as follows (with a copy to):

Engineering:	General Counsel
Garden Grove Sanitary Dist.	Garden Grove Sanitary District
P.O. Box 3070	P.O. Box 3070
Garden Grove, CA 92840	Garden Grove, CA 92840

(c) Address of CITY is as follows (with a copy to):

Water Services	City Attorney
City of Garden Grove	City of Garden Grove
P.O. Box 3070	P.O. Box 3070
Garden Grove, CA 92840	Garden Grove, CA 92840

13. **CONSULTANT'S Proposal.** This Agreement shall include CONSULTANT'S proposal, Exhibit "A" hereto, which shall be incorporated herein. In the event of any inconsistency between the terms of the proposal and this Agreement, this Agreement shall govern.

14. **Licenses, Permits and Fees.** At its sole expense, CONSULTANT shall obtain a **Garden Grove Business License**, all permits and licenses as may be required by this Agreement.

15. **Familiarity With Work.** By executing this Agreement, CONSULTANT warrants that: (1) it has investigated the work to be performed; (2) it has investigated the site of the work and is aware of all conditions there; and (3) it understands the facilities, difficulties and restrictions of the work under this Agreement. Should CONSULTANT discover any latent or unknown conditions materially differing from those inherent in the work or as represented by CITY/DISTRICT, it shall immediately inform CITY/DISTRICT of this and shall not proceed, except at CONSULTANT's risk, until written instructions are received from CITY/DISTRICT.

16. **Time of Essence.** Time is of the essence in the performance of this Agreement.

17. **Limitations Upon Subcontracting and Assignment.** The experience, knowledge, capability and reputation of CONSULTANT, its principals and employees were a substantial inducement for CITY/DISTRICT to enter into this Agreement. CONSULTANT shall not contract with any other entity to perform the services required without written approval of the CITY/DISTRICT. This

Agreement may not be assigned voluntarily or by operation of law, without the prior written approval of CITY/DISTRICT. If CONSULTANT is permitted to subcontract any part of this Agreement, CONSULTANT shall be responsible to CITY/DISTRICT for the acts and omissions of its subcontractor as it is for persons directly employed. Nothing contained in this Agreement shall create any contractual relationship between any subcontractor and CITY/DISTRICT. All persons engaged in the work will be considered employees of CONSULTANT. CITY/DISTRICT will deal directly with and will make all payments to CONSULTANT.

18. **Authority to Execute.** The persons executing this Agreement on behalf of the parties warrant that they are duly authorized to execute this Agreement and that by executing this Agreement, the parties are formally bound.

19. **Indemnification.** To the fullest extent permitted by law, CONSULTANT agrees to protect, defend, and hold harmless CITY/DISTRICT and its elective or appointive boards, officers, agents, and employees from any and all claims, liabilities, expenses, or damages of any nature, including attorneys' fees, for injury or death of any person, or damages of any nature, including interference with use of property, arising out of, or in any way connected with the negligence, recklessness and/or intentional wrongful conduct of CONSULTANT, CONSULTANT'S agents, officers, employees, subcontractors, or independent contractors hired by CONSULTANT in the performance of the Agreement. The only exception to CONSULTANT'S responsibility to protect, defend, and hold harmless CITY/DISTRICT, is due to the negligence, recklessness and/or wrongful conduct of CITY/DISTRICT, or any of its elective or appointive boards, officers, agents, or employees.

    This hold harmless agreement shall apply to all liability regardless of whether any insurance policies are applicable. The policy limits do not act as a limitation upon the amount of indemnification to be provided by CONSULTANT.

20. **Modification.** This Agreement constitutes the entire agreement between the parties and supersedes any previous agreements, oral or written. This Agreement may be modified only by subsequent mutual written agreement executed by CITY/DISTRICT and CONSULTANT.

21. **Waiver.** All waivers of the provisions of this Agreement must be in writing by the appropriate authorities of the CITY/DISTRICT and CONSULTANT.

22. **California Law.** This Agreement shall be construed in accordance with the laws of the State of California. Any action commenced about this Agreement shall be filed in the central branch of the Orange County Superior Court.

23. **Interpretation.** This Agreement shall be interpreted as though prepared by both parties

24. **Preservation of Agreement.** Should any provision of this Agreement be found invalid or unenforceable, the decision shall affect only the provision interpreted, and all remaining provisions shall remain enforceable.

[SIGNATURES ON FOLLOWING PAGE]

IN WITNESS THEREOF, these parties hereto have caused this Agreement to be executed as of the date set forth opposite the respective signatures.

"CITY/DISTRICT"
CITY OF GARDEN GROVE
GARDEN GROVE SANITARY DIST.

Dated: , 2022

By: _____
City Manager/General Manager

ATTEST

_____
Secretary

Dated: _____ , 2022

"CONSULTANT"
JIG Consultants

By: _____
Title: President

Dated: May 17 , 2022

APPROVED AS TO FORM:

_____
General Counsel

Dated: _____ , 2022

If CONSULTANT/CONTRACTOR is a corporation, a Corporate Resolution and/or Corporate Seal is required. If a partnership, Statement of Partnership must be submitted to CITY/DISTRICT

EXHIBIT A

JIG CONSULTANTS

April 14, 2022

Jessica Polidori
Associate Engineer
City of Garden Grove
13802 Newhope Street
Garden Grove, CA 92843

Subject: **Proposal for On-Call Construction Management and Inspection Services For Various Water and Sewer Improvements Projects**

Dear Jessica:

On behalf of JIG Consultants (JIG), we are pleased to submit our proposal for On-Call Construction Management and Inspection Services for Various Water and Sewer Improvements Projects. JIG appreciates the opportunity to further strengthen our working relationship with the City of Garden Grove (City). We are committed to dedicating experienced staff to serve as an extension of the City's inspection staff in order to achieve success on your projects. Our in-house project team holds more than 150 years of combined experience in construction management and inspection services.

JIG is committed to providing competent, reliable, and knowledgeable construction managers and inspectors to support the City. Included in this proposal is JIG's approach presenting our understanding of your project needs.

- ***Summary of Construction Management and Inspection Duties*** – The approach includes a listing of typical construction management and inspection tasks, description of each duty, benefits to the City, and required deliverables.
- ***In-House Staff Flexibility and Availability*** – JIG will make a construction manager and/or inspector available at any given time. Back-up staff will be available in the event of emergencies and/or when a second inspector is required. For short term assignment, part-time construction managers and inspectors will be available to the City.

  The proposal includes a listing of our team's availability as of the date of this proposal. The information provided is based on our current workload.
- ***Previous City CM and Inspection Experience*** – Our team recently completed three construction management and inspection services assignments, all of which were performed by the same project team members listed on this proposal. These projects vary in complexity and are listed on this proposal complete with the Contractor's name and contract amount. The three projects are also described in further detail in Section 2 of the proposal.

JIG invites the City to review our qualifications and related experience. JIG takes no exceptions to the terms of the Consultant Agreement included in the Request for Proposal. This proposal is valid up to 90 days from the date shown above.

Should you have any questions concerning our proposal, please do not hesitate to contact us.

Respectfully Submitted,
JIG CONSULTANTS

Joseph Gutierrez, PE, PMP
Principal-in-Charge / Construction Manager

Enc.

318 West Katella Ave, Suite A
Orange, CA 92867

Office (714) 978-4031
Fax (714) 908.4654
www.jigconsultants.com

TABLE OF CONTENTS

PROJECT UNDERSTANDING

In an effort to supplement City of Garden Grove (City) inspectors, this proposal is to provide construction management and inspection services on an on-call basis for various water and wastewater capital improvements projects, rehabilitation and replacement projects, and customer development projects.

The City anticipates a steady stream of construction projects in the upcoming years. JIG Consultants (JIG) is prepared to supplement and function as an extension to City staff on an as-needed basis. It is our understanding the schedule for construction will dictate the workload. As such, the workload will vary over time with periods of no inspection and others where two inspectors may be necessary. JIG will remain flexible to cover the changing workload requirements and will make every effort to minimize impacts to the capital improvement project budgets. Projects anticipated under this endeavor are sewer main improvements, water main improvements, water facility improvements, and development projects.

The following projects are scheduled in the short term and could potentially require supplementary construction management and inspection support:

- Sewer System Rehabilitation Phase I – Sewer Main Replacement Project (160 working days)

  Replacement of approximately 5,100 feet of 6-inch VCP sewer with 8-inch VCP sewer
  Miscellaneous spot repairs

- Sewer Improvements Project – Lampson Avenue and Lamplighter (100 working days)

  Construction of approximately 1,400 feet of 10-inch VCP sewer main

- Water Improvements Project for Partridge / West Project (45 working days)

  Construction of approximately 1,600 feet of 12-inch PVC waterline
  Construction of approximately 600 feet of 8-inch PVC waterline
  Abandonment of approximately 2,000 feet of 6/8-inch asbestos cement waterline

- Water Improvement Project for Orangewood Avenue and Dale Street (100 working days)

  Construction of approximately 1,600 feet of 12-inch PVC waterline
  Construction of approximately 6,000 feet of 8-inch PVC waterline

SCOPE OF SERVICES

JIG Consultants' (JIG) goal is to provide value-added services that yield innovative yet practical solutions to promote cost-effective and timely delivery, while protecting and enhancing the value of your infrastructure. The Principal-in-Charge, Joseph Gutierrez, will coordinate with in-house and City staff to ensure technical viability, monitor schedules/budgets, and assure the entire project team integrates seamlessly to deliver the best possible product. Our staff has the proven ability to partner with municipal clients to assess priorities in order to keep your project on schedule and under budget.

CONSTRUCTION MANAGEMENT APPROACH

JIG's involvement during construction will provide the City with the vehicle to ensure the requirements of the contract documents are met. Further, our involvement will partner City staff with experts in dealing with Contractors and administering the project in an organized and efficient manner.

The following table itemizes construction management and inspection tasks of a typical project. The tables provide a detailed description of each task with benefits listed as well as deliverables.

CITY OF GARDEN GROVE ON-CALL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES			
TASK ITEM	**DESCRIPTION**	**BENEFITS**	**DELIVERABLE**
Pre-Construction Meeting	Attend pre-construction meeting to discuss project specifics.	Introduction to project team members and discuss construction communication and execution	Meeting Agenda and Minutes
Shop Drawings / Submittals	Log, track, and review submittal comments received from Design Engineer for conformance to contract documents.	Allows timely approval of all submittals needed to maintain the schedule	Submittals and Approval Log
	Prepare list of expected submittals and compare to Contractor's list.	Itemizes all required submittals and communicates expectations to Contractor	List of Submittals
	Review vendor and lab reports, certifications, and material test inspections	Correlates reports with the intentions and requirements of the Contract Documents	-
	Verify Contractor has submitted certified payroll to DIR website.	Adheres to DIR requirements for prevailing wages	Certified Payroll Documents
Consultations and Meetings	Review Design Engineer Responses to RFI's and Include in Project Log.	Clarifies intent of construction plans / Documents directives which may result in potential changes to Scope of Work	RFI Responses and Log
	Attend project update meetings to discuss the schedule, change orders, new issues, submittal status, requests for information (RFI), safety, deficiencies, etc.	Promotes effective communications among all stakeholders, with an official record	Meeting Agenda and Minutes
Schedules	Review Contractor's 3-week look ahead schedule and construction schedule	Ensures adherence to schedule and planned completion date	-
Change Orders	Review CO's proposed by the Contractor. Recommend needed CO's	Ensures that only necessary CO's are issued, eliminating unnecessary costs; ensures CO's are written to comply with the applicable contract administration requirements	Change Orders and a CCO Log
	Prepare independent cost opinions of costs for changes.	Verifies Contractor's CO requests are accurate for costs.	-
	Document Force Account Work	Provides a basis and record for T&M work.	T&M Tickets
	Document disputed work.	Tracks Contractor's time and materials for disputed work for negotiations.	Disputed Work Time and Material Summary
	Review all time extension requests from the Contractor	Verifies Contractor's CO requests are accurate for time extensions.	-
Construction Inspection	Observe, document, and determine the acceptability of the construction work.	Ensures the requirements of the contract documents are being met.	-
	Prepare Daily Inspection Reports	Documents site and weather conditions, measures taken by the Contractor, labor, equipment and materials used, quantity of work performed, and major incidents/safety violations.	Daily Inspection Report

	Photograph work for conditions, disputed work, and extra work.	Provides a visual record and description of work for use on potential conflicts, and progress payments.	Photo Log
	Report unsafe working conditions.	Maintain conformance to OSHA regulations.	-
	Coordinate, observe, and document all required testing.	Ensures all testing per the contract documents are completed	-
	After completion of the work, prepare a work completion punch list to identify items that need attention prior to final acceptance.	Confirms work compliance	Punch List
	Prepare Bi-Weekly Statement of Working Days	Provides a summary of completed work.	Bi-Weekly Statement of Working Days
Materials Testing (City Consultant)	Coordinate, observe, and document material testing for concrete, backfill and pavement.	Ensures soils and testing per contract documents are completed	Testing Completion Documents and Checklist
Construction Surveying (City Consultant)	Establish survey control points. Coordinate with Contractor and City for staking of proposed improvements.	Confirms layout of proposed work in reference to project benchmark	-
Pay Requests	Assist in review of Contractor's payment requests, verify completed quantities.	Ensures Contractor is paid only for completed, accepted work	Certified payment requests
Project Close-Out	After verifying the work is acceptable, Inspector will submit to City a written recommendation of final acceptance	Confirms work completion according to the Contract Documents	Close-Out Documents and Flash Drive
As-Builts	Review Contractor's redline drawings, incorporate into the final "As-Built" redline plans.	Confirms that Contractor is updating his as-built set throughout construction.	"As-Built" redline plans (Hard Copy and Digital)

In-House Staff Flexibility and Availability

JIG will have the project team ready to serve the City following the general approach listed below.

- JIG will make one of the construction managers and/or inspectors available on any given day. Upon receiving a task order request, the Construction Manager will immediately meet with City staff to discuss the project specifics, level of involvement, and duration. The Construction Manager and Inspector will be ready to mobilize and start the work as early as the following week.
- Once a construction manager and inspector are assigned to a project, they will be committed throughout the project duration and will not be replaced without City approval.
- In the unlikely event that a Construction Manager or Inspector is not available, JIG will assign a replacement to cover on a temporary basis until the assigned Construction Manager or Inspector is available full time. Further, the Principal-in-Charge can also serve as the temporary construction manager and inspector as he has the background and knowledge to serve under these capacities.
- For short term assignments, we will assign part-time construction management and inspection staff. These individuals are just as qualified as those presented but operate under a part-time employment contract with JIG. In essence, when there is no work, these individuals either look for work elsewhere or remain retired.

As of the date of this proposal, our current staff availability is presented in Section 4.

Previous City of Garden Grove CM and Inspection Experience

JIG recently completed three construction management and inspection services assignments for the City of Garden Grove, all of which were performed by the same project team members listed on this proposal.

- West Haven Reservoir Rehabilitation Project
  City Project Manager: Rebecca Li, PE
  JIG Contract Amount: $238,600
  Contractor: Pacific Hydrotech Corporation
  Project Construction Contract: $4,464,635
- Magnolia Reservoir and Booster Pump Station Rehabilitation Project
  City Project Manager: Rebecca Li, PE
  JIG Contract Amount: $352,900
  Contractor: Pacific Hydrotech Corporation
  Project Construction Contract: $3,204,880
- Orangewood Sewer Replacement Project
  City Project Managers: Myung Chun, PE
  JIG Contract Amount: $83,000
  Contractor: Mladen Buntich Construction Company
  Project Construction Contract: $708,835

See Section 2 for additional information on the above City projects.

RELEVANT PROJECT EXPERIENCE

Provided on the following pages are JIG qualifications for services similar to those required for this project. Each project description includes a client reference whom we encourage the City to contact.

West Haven Reservoirs Rehabilitation

City of Garden Grove

CLIENT REFERENCE

City of Garden Grove
Rebecca Li, PE
Assistant City Engineer
13802 Newhope Street
Garden Grove, CA 92840
(714) 741-5562

TEAM INVOLVEMENT

Joseph Gutierrez, PE
Construction Manager

Omar Abutaleb, PE
Construction Inspector

COMPLETION YEAR

2019

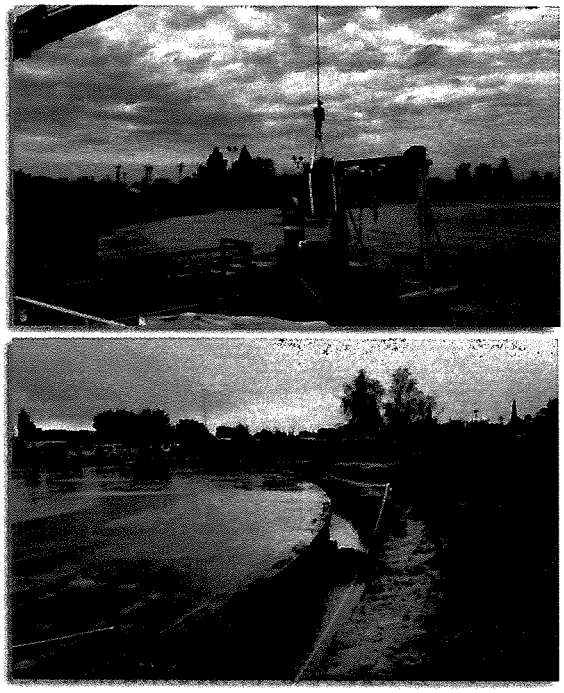
CONSTRUCTION COST

$ 4.4M

CONTRACTOR

Pacific Hydrotech Corporation

The West Haven Reservoirs Rehabilitation Project was for various repair work on two buried pre-stressed concrete 10 million-gallon reservoirs located at West Haven Park. The repair work consisted of crack repair, spall repair, joint repair, construction of seismic curb, roof waterproofing, rust spot repair, and the addition of a fall protection system for the reservoirs. Site improvements included replacing two 16-inch butterfly valves, flap gates, installation of electrical conduits for future intrusion alarms, removal and replacement of PCC and AC concrete pavement within the West Haven Pump Station site, construction of a steel picket perimeter fence on the west and north sides of the park, curb cut and driveway approach improvements, construction of concrete pads for park benches, furnishing and installation of park benches, and restoration of turf and irrigation facilities disturbed during construction.



The project was constructed in two phases. The first phase included all work associated with the West Haven East Reservoir. The second phase included all work associated with the West Haven West Reservoir. With two interconnected reservoirs, there was a special emphasis on isolation, draining, and cleaning of one reservoir while keeping the second reservoir in operation.

JIG provided construction management and full-time inspection services for the West Haven Reservoirs Rehabilitation Project. JIG assigned a professional engineer to be the project inspector.

Magnolia Reservoir and Booster Pump Station Rehabilitation

City of Garden Grove

CLIENT REFERENCE

City of Garden Grove
Rebecca Li, PE
Assistant City Engineer
13802 Newhope Street
Garden Grove, CA 92840
(714) 741-5562

TEAM INVOLVEMENT

Joseph Gutierrez, PE
Construction Manager

Jeff Wilson
Construction Inspector

COMPLETION YEAR

2022

CONSTRUCTION COST

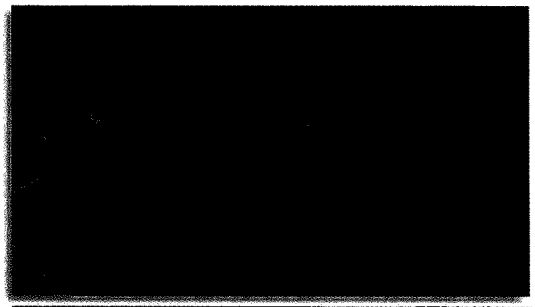
$ 3.2M

CONTRACTOR

Pacific Hydrotech Corporation

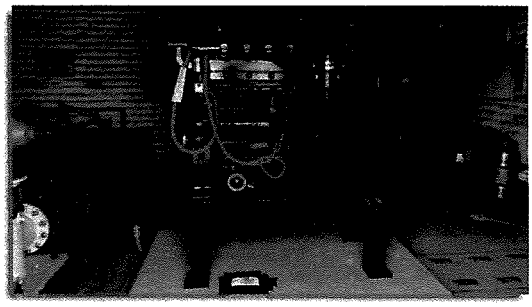
The Magnolia Reservoir and Booster Pump Station Rehabilitation Project was for various repair work on one buried pre-stressed concrete 5-million gallon reservoir and booster pump station, located at Magnolia Park. The reservoir rehabilitation work consisted of :

- crack repair,
- spall repair,
- joint repair,
- rust spot repair,
- column crack repair,
- construction of seismic curb,
- cleaning of grease debris on reservoir walls,
- air vent and access hatch repairs
- roof slab waterproofing, and
- removal and reconstruction of roof slab/wall joint sealant.



The booster pump station rehabilitation work included:

- removal and replacement of natural gas engine complete with lubrication, gas line, cooling, radiator, and exhaust assemblies,
- removal and replacement of vertical turbine pump with right angle gear drive
- reconstruction of pump discharge assembly
- upgrades to building roof, HVAC, and doors
- upgrades to Murphy Control Panel, and
- slab concrete repairs.



Miscellaneous site improvements consisted of:

- resurfacing and renewing tennis court accessories,
- upgrades to reservoir sump pump and drainage vault,
- upgrades to drainage vault including flap gate,
- upgrades to site lighting and conduits,
- construction of additional slab around booster station,
- construction of additional sidewalks, fences, bollards, gates, and
- extension of existing asphalt concrete parking lot.

JIG provided construction management and full-time inspection services for a project duration of six months.

Large Potable Water Valves Replacement Redondo Avenue and Kilroy Airport Way, Phase 1

Long Beach Water Department

CLIENT REFERENCE

Long Beach Water Department
Carolina Avendano
Engineering Associate
1800 East Wardlow Road
Long Beach, CA 90807
(562) 570-2334

TEAM INVOLVEMENT

Joseph Gutierrez, PE
Construction Manager

Omar Abutaleb, PE
Construction Inspector

Donald Romine
Construction Inspector

COMPLETION YEAR

2020

CONSTRUCTION COST

$ 1,534,000

CONTRACTOR

Teichert Utilities Group

JIG provided construction management and inspection services for the removal of four large gate valves at the intersection of Redondo Avenue and Kilroy Airport Way. The project replaced one 42-inch gate valve, one 30-inch gate valve, and one 24-inch gate valve (with butterfly valves of the same size) in the public right-of-way. The project also replaced one 42-inch butterfly valve with an electric actuator inside the Long Beach Groundwater Treatment Plant. This project was high-profile and a critical improvement to Long Beach Water Department's potable water treatment and distribution system. These large valves are key components of the Groundwater Treatment Plant main discharge to the Alamitos storage reservoirs. Construction was carefully coordinated not only with public works but also with the Groundwater Treatment Plant operators.

The project required full-time inspection for a 6-month period, development of Groundwater Treatment Plant shut-down to isolate the large valves, and 214 continuous hours of inspection to minimize downtime of the plant.

Large Potable Water Valve Replacement – Bellflower and Stearns

Long Beach Water Department

CLIENT REFERENCE

Long Beach Water Dept.
Carolina Avendano
Engineering Associate
1800 East Wardlow Road
Long Beach, CA 90807
(562) 570-2334

TEAM INVOLVEMENT

Joseph Gutierrez, PE
Resident Engineer

Donald Romine
Construction Inspector

COMPLETION YEAR

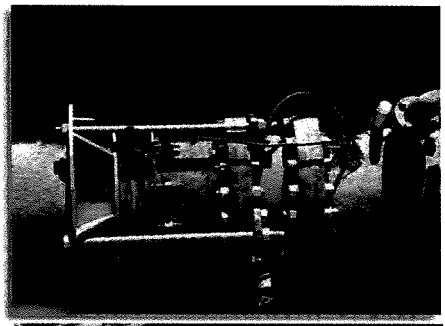
2018

CONSTRUCTION COST

$333,600

CONTRACTOR

Doreck Construction



JIG provided construction management and full-time inspection for the Large Potable Water Valve Replacement at the intersection of Bellflower Boulevard and Stearns Street. The project included removal of an existing 30-inch gate valve with bypass valve and replacement with a 30-inch butterfly valve, construction of cement mortar lined and coated steel pipe and butt-straps, construction of one chlorination assembly, installation of one blow-off assembly, and associated piping, fittings, and accessories. To isolate the existing gate valve, two temporary line stops were installed on the existing 30-inch SCC pipe.

Other project components included installation and maintenance of a temporary bypass to the MVP Restaurant, a complicated 8-phase traffic control and mitigation plan, trenching, excavation, backfill, compaction, chlorination, dechlorination, hydrostatic testing, bacteriological testing, pavement restoration, and site cleanup.

The intersection of Bellflower Boulevard and Stearns Street was a difficult area for construction with heavy traffic volumes. The area was comprised of high-volume retail businesses and is one block north of California State University Long Beach. The Resident Engineer spearheaded all communications between the Contractor, City staff, and the community. The Resident Engineer was available 24/7 to the public.

Dryden Street Water Main Replacement

Elsinore Valley Municipal Water District

JIG performed construction management and inspection services for the Dryden Street Water Main Replacement Project, which included construction of 800 lineal feet of 8-inch PVC waterline on Dryden Street in the City of Lake Elsinore, connections to the existing system in two locations, construction of fire hydrants, and pavement restoration.

The project construction plans were prepared using GIS information without a topographic survey. JIG's involvement included establishing controls, confirming the horizontal and vertical alignment of the pipeline, and construction staking. JIG worked with the Contractor for field adjustments on site and to resolve issues experienced during hydrostatic testing of the pipeline.

Orangewood Avenue Sewer Improvement Project

Garden Grove Sanitary District

CLIENT REFERENCE

Garden Grove Sanitation District
Rebecca Li, PE
Senior Civil Engineer
13802 Newhope Street
Garden Grove, CA 92840
(714) 741-5562

TEAM INVOLVEMENT

Joseph Gutierrez, PE
Construction Manager

Donald Romine
Construction Inspector

Juan Torres
Construction Inspector

COMPLETION YEAR

2019

CONSTRUCTION COST

$708,000

CONTRACTOR

Mladen Buntich Construction

At the request of a high-volume customer located at 7351 Orangewood Avenue (House Foods), Garden Grove Sanitary District (District) upsized approximately 850 feet of existing 10-inch VCP sewer to a 15-inch VCP sewer, on Orangewood Avenue to the Western Avenue intersection, where it discharged into an existing Orange County Sanitation District (OCSD) manhole. The OCSD manhole is located on the southeasterly quadrant of the Orangewood/Western Avenue intersection.

The Orangewood Avenue Sewer Improvements consisted of the following:

- Installation of 10-inch and 15-inch extra strength VCP sewer pipe
- Abandonment of approximately 760 feet of existing VCP sewer
- Removal and disposal of approximately 60 feet of existing VCP sewer
- Removal of three existing manholes
- Construction of one 48-inch diameter lined manhole and four 60-inch diameter lined manholes
- Connection to and modifications to an existing OCSD manhole
- Reconnection and reconstruction of existing sewer lateral connections
- Groundwater dewatering (depth to groundwater estimated at 12 feet below ground surface)
- Maintaining existing sewer flows during construction
- Reconstruction of a 20-foot segment of existing waterline near the intersection
- Traffic control
- Trench pavement restoration and resurfacing
- Traffic striping, installation of raised pavement markers, and replacement of traffic loops

JIG provided full time construction management and inspection services for the Orangewood Avenue Sewer Improvement Project. Traffic control was coordinated with the Cities of Garden Grove and Stanton. Duties included review of shop drawings, responses to requests for information, conformance to contract documents, observation of construction activities, processing of monthly payment applications, and negotiations with the Contractor for force accounts.

Sanitary Sewer Rehabilitation and Replacement Program - 1

Long Beach Water Department

CLIENT REFERENCE

Long Beach Water Department
Valeri Karakanov, PE
Senior Engineer
1800 East Wardlow Road
Long Beach, CA 90807

(562) 570-2346

TEAM INVOLVEMENT

Joseph Gutierrez, PE
Resident Engineer

Donald Romine
Construction Inspector

COMPLETION YEAR

2018

CONSTRUCTION COST

$575,000

CONTRACTOR

NuLine Technologies

JIG performed construction management and inspection services for the first of several sanitary sewer rehabilitation and replacement projects for Long Beach Water Department. The Sanitary Sewer Rehabilitation Replacement Program 1 consisted of point repairs of several existing sewers, point lining repairs of existing sewers, top hat of existing services, and installation of cured-in-place pipe (CIPP) within existing sewer mains.

The work for the project shall include, but not be limited to, the following:

- Utility potholing;
- Temporary bypass facilities and sewage spill prevention plan;
- Root ball removals;
- Cleaning of existing sewer piping;
- Point repair of existing 8-inch sewer pipe for a total of 156 lineal feet;
- Lining point repair of existing 8-inch sewers for a total of 29 lineal feet;
- Installation of CIPP lining for 8-inch, 10-inch and 12-inch pipe for a total of 7,065 lineal feet;
- Re-establishment of existing sewer service laterals (point repairs and lining);
- "Top Hat" repairs at 22 locations;
- Repair of intruding laterals;
- Post installation pipeline testing;
- Pre- and post-construction CCTV inspection;

Construction management and inspection services were provided to coordinate with review of shop drawings, responses to requests for information, ensure conformance to contract documents, and observe construction activities. The construction manager and inspector assisted in public communication with customers and businesses that were affected by the construction. In certain areas, construction was scheduled at night to reduce disruption to customers.

South Long Beach Sewer Improvement Project

Long Beach Water Department

CLIENT REFERENCE

Long Beach Water Department
Jinny Huang, PE
Manager of Engineering
1800 East Wardlow Road
Long Beach, CA 90807
(562) 570-2346

TEAM INVOLVEMENT

Joseph Gutierrez, PE
Resident Engineer

Juan Torres
Construction Inspector

COMPLETION YEAR

2017

CONSTRUCTION COST

$968,980

CONTRACTOR

Sancon Technologies, Inc.

JIG provided construction management and inspection services for the South Long Beach Sewer Improvement Project. The construction manager and inspector served as an extension of the Long Beach Water Department inspection staff.

The project included the following:

- Replacing 200 lineal feet of existing 8-inch sewer;
- Point repairs of existing 8-inch sewer at ten various locations;
- Shelf repair on 9 manholes;
- Rehabilitation of 2 manholes (Sancon Epoxy);
- Segment lining point repairs of existing 8-inch sewer at 17 various locations;
- 17,200 lineal feet of cured-in-place pipe lining of existing 8-inch, 10-inch and 12-inch sewers.
- Reconnection of existing laterals after point repairs and lining work;
- Construction of "top-hat" lateral repair

Construction management duties included review of shop drawings, responses to requests for information, administer progress status meetings, ensure conformance to contract documents, preparation of field orders, negotiation and processing of change orders, review and processing of progress billing reports.

JIG provided full-time inspection for a 4-month period. Inspector duties included construction observation, adherence to OSHA regulations, assistance with public notifications, concrete mix inspection and testing, preparation of daily inspection reports, and documented through daily photographs.

Construction Inspection / Staff Augment Services
Miscellaneous Capital Improvement Projects

Lake Arrowhead Community Services District

CLIENT REFERENCE

Lake Arrowhead Community Services District
Aida Hercules-Dodaro, PE
District Engineer (Retired)
27307 State Highway 189
Blue Jay, CA 92317
(909) 744-7096

TEAM INVOLVEMENT

Joseph Gutierrez, PE
Principal-in-Charge

COMPLETION YEAR

2020

CONSTRUCTION COST

CIP Project # 193
$ 351,000

CIP Project # 196
$ 424,000

CIP Project #212
$ 177,000

CONTRACTOR

CIP Project # 193
TK Construction

CIP Project # 196
Mike Prlich and Sons / Sancon Technologies, Inc.

CIP Project # 212
Trinity Construction

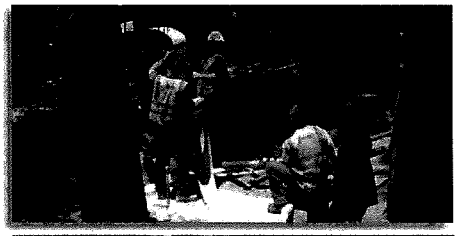
JIG provided staff augment service for Lake Arrowhead Community Services Department to perform full-time construction inspection of miscellaneous capital improvement projects in 2020. The projects are as follows:

CIP Project #193 - Burnt Mill Water Line Replacement

Installation of 617 lf of 10" PVC C-900 water main with restrainers on every joint. Project included hot tapping of existing 12" CMLC water main and installation of two 10" gate valves. The project was mostly in Highway 189 and under Caltrans jurisdiction.

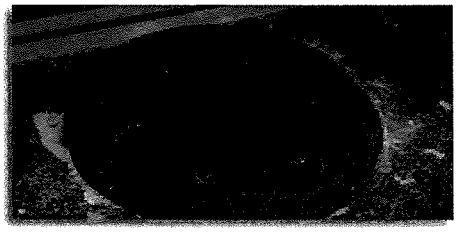
CIP Project #196 – Palisades Sewer Rehabilitation/Replacement Phase 3

Removal of 1,560 lf of 6" sewer main and replacement with 8" PVC SDR-35 pipe while connecting all existing sewer laterals and keeping the existing sewer main active as construction was in progress. The project also included CIPP lining of 350 lf existing sewer pipe, rehabilitation of five existing manholes and installation of three new 48" diameter manholes. The project was performed on very narrow and curvy roads and within easements between backyards. Coordinated with utility companies and residents to get this project completed with minimal extra costs for the District.



CIP Project #212 – Manhole Inflow Reduction Project

Removal and replacement of 174 sewer manholes and 17 cleanouts and raising facilities to grade. The project was performed within San Bernardino and Caltrans right-of-way.



Third and Forest Pipeline Project

City of Laguna Beach – Water Quality Department

CLIENT REFERENCE

City of Laguna Beach
David Shissler, PE
Director of Water Quality
505 Forrest Avenue
Laguna Beach, CA 92651
(949) 497-0328

TEAM INVOLVEMENT

Joseph Gutierrez, PE
Construction Manager

Donald Romine
Construction Inspector

Juan Torres
Construction Inspector

COMPLETION YEAR

2016

CONSTRUCTION COST

$2.7 Million

CONTRACTOR

Mike Prlich and Sons

JIG was contracted by the City of Laguna Beach for construction management and inspection duties for this high-profile project in the downtown area of the city. which included the following construction work:

- Abandonment of approximately 1,600 lineal feet of 18-inch trunk sewer on Loma Terrace including four manholes;
- Abandonment of approximately 1,350 lineal feet of 15-inch inverted siphon on Mermaid Street including two manholes;
- Removal of approximately 750 lineal feet of 8-inch sewer on Third Street including four manholes;
- Construction of approximately 1,280 lineal feet of 18-inch sewer in the Lumber Yard Parking Lot and Third Street/Forest Avenue, from the existing Laguna SOCWA Lift Station to Mermaid Street, including ten new manholes;
- Jacking and boring of a 24-inch steel casing under the Third Street hill;
- Construction of 160 lineal feet of 18-inch sewer on Third Street, southeast of Mermaid Street, including two new manholes; and
- Construction of miscellaneous 6-inch sewer for reconnection to existing manholes near City Hall and Loma Place.
- Cured-in-place lining of existing 18-inch VCP sewer.
- Rehabilitation of existing 20-foot deep sewer manhole.

The Construction Manager was involved with public relations and provided assistance with development of the project website, project hotline, and newspaper project advertisements. The Construction Manager made several presentations to city council for updates on construction progress. The Construction Manager coordinated with the police department, fire department, community services, public works department, City Senior Center, Caltrans, and Laguna Beach County Water District.

Collier Avenue and Pasadena Street Manhole Rehabilitation

Elsinore Valley Municipal Water District

The Collier Avenue and Pasadena Street Manhole Rehabilitation and Replacement Project rehabilitated 14 existing manholes and replaced one existing 48-inch manhole with a 60-inch manhole. Manhole work included replacement of cones, grade rings, frames and lids. Manhole interiors were blasted with high-pressure water, removed debris, concrete work on manhole shafts, shelf and channel. The manhole interiors were then lined with epoxy primer and polyurethane compound.

Work included traffic control, sewer bypass, and water pollution prevention/control. All work was completed during normal working hours. Some areas required acquisition of a Caltrans encroachment permit.

Construction management and full-time inspection was provided during construction to coordinate with review of shop drawings, responses to requests for information, ensure conformance to contract documents, and maintain quality control through NACE certified inspection of manhole interior coating, The Construction Manager assisted the District with Contractor change order and field order requests.

Cornerstone Church Sewer Extension

Elsinore Valley Municipal Water District

JIG performed construction management and inspection services for the Cornerstone Church Sewer Extension Project, which included construction of 1,800 lineal feet of 8-inch sewer pipelines, including 8 lined manholes. The project extended the existing sewer collection system to serve the Cornerstone Church located on Monte Vista Drive in the City of Wildomar.

JIG committed a public relations officer (Alliance) to oversee communication with the public using a website, project hotline, passing flyers, and administering a town hall meeting.

Subsurface conditions of cohesionless sand presented difficulties during excavation and trenching. JIG coordinated with the City of Wildomar inspector, EVMWD Senior Engineer and Engineering Manager, and the Contractor to develop an approach to minimize sloughing of material into the trench and to protect the existing adjacent pavement. JIG worked with EVMWD staff to curtail added expenditures resulting from the unknown site conditions.

PROJECT ORGANIZATION CHART

The Organization Chart to the right identifies JIG's proposed key personnel and their respective project responsibilities. As demonstrated below, each of our team members are highly qualified in their duties and offers the experience required to execute this project on an as-needed basis.

PROJECT TEAM

The following are brief descriptions of each JIG team member's qualifications.

Joseph Gutierrez, PE – Principal-in-Charge / Construction Manager

Mr. Gutierrez possesses over 30 years of experience in planning, design and construction of water and wastewater facilities for various municipalities as well as the private sector. As President, he bears responsibility for all products and services performed by JIG Consultants. Throughout his career, he served as Senior Project Manager for the design and construction of pipelines, pumping facilities, storage reservoirs, and sewer facilities in the Southern California region. Mr. Gutierrez also serves as Construction Manager, Resident Engineer, and part-time inspector for a variety of construction projects related to water and wastewater improvements.

Mr. Gutierrez is a fully certified Project Management Professional (PMP), knowledgeable in every facet of business and project management per the Project Management Body of Knowledge, advocated by the Project Management Institute (PMI).

Mr. Gutierrez served as Construction Manager for three successfully completed City projects: West Haven Reservoir Rehabilitation Project, Magnolia Reservoir and Booster Pump Station Rehabilitation Project, and Orangewood Sewer Improvement Project.

Omar Abutaleb, PE – Construction Manager

Mr. Abutaleb has over 25 years of experience in a wide variety of engineering and construction projects. His diversity of knowledge and expertise was attained through years of service with both public agencies and private sector companies. While engaged at these agencies or firms, Mr. Abutaleb managed the development of numerous PS&E packages for various transportation projects including streets, water and sewer lines, storm drain lines and their structures, traffic signals, signing and striping, street lighting and traffic handling plans. During his employment with the City of Glendale, he coordinated the improvements for the Glendale Train Station, the Civic Auditorium Parking Structure and the Maryland Avenue Parking Structure. He has extensive project management and construction management experience in the building of large, complex, multi-phase developments having recently successfully completed work for the Kingdom of Saudi Arabia's new Student Housing, encompassing the construction of 22 four-level concrete apartment buildings (88,000 square meters of Building Area) at the King Abdullah University of Science and Technology (KAUST.)

Mr. Abutaleb has an excellent knowledge of the Standard Specifications for Public Works Construction "The Green Book", and the Caltrans Standard Plans and Specification making him an indispensable resource on all Capital Improvement Projects. Mr. Abutaleb's degree in engineering and construction knowledge and experience is exceeded only by his professionalism and communication skills in dealing with people at all levels of responsibility and all ethnic and cultural backgrounds.

Mr. Abutaleb was Resident Engineer for a 6-month period performing management and full-time inspection duties for the West Haven Reservoir Rehabilitation Project.

Juan Torres – Construction Inspector

Mr. Torres has more than 30 years of experience as a construction inspector and quality assurance/quality control (QA/QC) monitor for a variety of construction projects to verify conformance with project plans and specifications.

As a QA/QC monitor, Mr. Torres has worked on a variety of public works projects involving mass grading activities, trench backfilling, pipeline and pavement installation, slope stabilization, foundation preparation and installation, oriented-drilling, and field instrumentation for construction and post-construction monitoring. He has also performed both construction supervision and QA/QC functions for several public works, landfills and contaminated material remediation projects including fill control, clay liner and clay caps testing, and concrete and rebar inspection.

Mr. Torres served as a full-time inspector for a 4-month period for the City's Orangewood Sewer Improvement Project.

Donald Romine – Construction Inspector

Mr. Romine has over 30 years of experience in the construction inspection of water and wastewater facilities. This experience encompasses pipelines, reservoirs, pump stations, wells, street improvements, and other public works projects. He has been responsible for QA/QC monitoring of construction activities, preparing daily construction inspection reports and documentation, verifying compliance with plans and specifications, ensuring testing protocol is satisfactorily conducted, review of progress payment applications, tracking material quantities, maintaining record drawings, conducting final inspections, and generating final punch list.

Jeff Wilson – Construction Inspector

Mr. Wilson has more than 30 years of experience as a construction manager and inspector focused on water, environmental, and geotechnical engineering construction projects. His work history includes employment experience with numerous engineering and construction companies. For a three year period, he served in the operations and maintenance department for Mesa Consolidated Water District servicing natural gas engines, pumps, and reservoirs. He also served as a Construction Manager for Advanced Construction Technologies.

Mr. Wilson has taken on a full range of responsibilities in construction including management, inspection, field testing and coordination with clients and other project stakeholders. He is well versed and experienced with concrete construction, masonry construction, soils inspection, welding, servicing and operations of mechanical equipment, and pipeline construction.

Mr. Wilson served as a full-time construction inspector for a 6-month period for the Magnolia Reservoir and Booster Pump Station Rehabilitation Project.

Joseph Gutierrez, PE

Principal-in-Charge / Construction Manager

REGISTRATION

CA/Professional Engineer/Civil/#55604

AZ/Professional Engineer/Civil/#37808

EDUCATION

1991/BS/Civil Engineering/University of California, Irvine

Mr. Gutierrez possesses over 30 years of experience in planning, design and construction of water and wastewater facilities for various municipalities as well as the private sector. As President, he bears responsibility for all products and services performed by JIG Consultants. Throughout his career, he served as Senior Project Manager for the design and construction of pipelines, pumping facilities, storage reservoirs, and sewer facilities in the Southern California region. Mr. Gutierrez also serves as Construction Manager, Resident Engineer, and part-time inspector for a variety of construction projects related to water and wastewater improvements.

Mr. Gutierrez is a fully certified Project Management Professional (PMP), knowledgeable in every facet of business and project management per the Project Management Body of Knowledge, advocated by the Project Management Institute (PMI).

Projects

City of Garden Grove Projects

CM and Inspection Services for Magnolia Reservoir and Booster Pump Station Rehabilitation, City of Garden Grove, CA: Construction Manager for the rehabilitation of one 5 MG prestressed buried concrete reservoirs located at Magnolia Park in the City of Garden Grove. Project duties included coordination with project stake holders (City, Design Engineer, Contractor, Parks Department, etc), reviewing shop drawings and responding to RFI's, administering progress status meetings, reviewing progress pay applications, and negotiations for T&M work. Project construction included structural rehabilitation inside and outside of reservoir, construction of an interior seismic curb, waterproofing the exterior top slab, replacing existing vertical turbine pump, and replacing the existing natural gas engine.

CM and Inspection Services for West Haven Reservoirs Rehabilitation, City of Garden Grove, CA: Construction Manager for the rehabilitation of two 10 MG prestressed buried concrete reservoirs located in West Haven Park in the City of Garden Grove. Project duties included coordination with project stakeholders (City, Design Engineer, Contractor, Parks Department, Walton Intermediate School, etc), reviewing shop drawings and responding to RFI's, administering progress status meetings, reviewing progress pay applications, and negotiations for T&M work. Project construction included structural rehabilitation inside and outside of the two tanks, construction of a seismic curb in the interior, and waterproofing of the exterior top slab. Participated in strategic meetings to discuss isolation of each reservoir and cleanup of grease buildup inside the west reservoir.

CM and Inspection Services for Orangewood Avenue Sewer Improvement Project, Garden Grove Sanitary District, Garden Grove, CA: Construction Manager for construction of 850 feet of 15-inch vcp sewer and five manholes on Orangewood Avenue, near the intersection of Western Street.

Water Improvement Projects

CM and Inspection Services for Dryden Street Water Main, Elsinore Valley Municipal Water District, Wildomar, CA: Construction Manager for construction of 800 lineal feet of 8-inch PVC waterline on Dryden Street in the City of Lake Elsinore. The project included construction of the waterline, connection to the existing system in two locations, construction of fire hydrants, and pavement restoration.

CM and Inspection Services for Large Potable Water Valve Replacement at Redondo Avenue and Kilroy Airport Way, Phase 2, Long Beach Water Department, CA: Construction Manager/Resident Engineer for removal of four large gate valves at the intersection of Redondo Avenue and Kilroy Airport Way. The project replaced two 30-inch gate valves, and two 24-inch gate valves (with butterfly valves of the same

Omar M. Abutaleb, PE

Construction Manager

REGISTRATION

CA/Professional Engineer/Traffic/#1659

EDUCATION

1988/Civil Engineering/California State University Los Angeles

AFFILIATIONS

American Society of Civil Engineers

Institute of Transportation Engineers

Mr. Abutaleb has over 25 years of experience in a wide variety of engineering and construction projects. His diversity of knowledge and expertise was attained through years of service with both public agencies and private sector companies. Mr. Abutaleb managed the development of numerous PS&E packages for various transportation projects including streets, water and sewer lines, storm drain lines and their structures, traffic signals, signing and striping, street lighting and traffic handling plans. He has extensive project management and construction management experience in the building of large, complex, multi-phase developments having recently successfully completed work for the Kingdom of Saudi Arabia's new Student Housing, encompassing the construction of 22 four-level concrete apartment buildings (88,000 square meters of Building Area) at the King Abdullah University of Science and Technology (KAUST.)

Projects

CM and Inspection Services for West Haven Reservoirs Rehabilitation, City of Garden Grove, CA: Served as Resident Engineer and Construction Inspector for the rehabilitation of two 10 MG prestressed buried concrete reservoirs located in West Haven Park in the City of Garden Grove. Project duties included coordination with construction manager, daily inspection and documentation for conformance to plans and specifications, attendance at progress meetings, and review of progress pay applications. Project construction included structural rehabilitation inside and outside of the two tanks, construction of a seismic curb in the interior, and waterproofing of the exterior top slab. Participated in strategic meetings to discuss isolation of each reservoir and cleanup of grease buildup inside the west reservoir.

CM and Inspection Services for Large Potable Water Valve Replacement at Redondo Avenue and Kilroy Airport Way, Phase 1, Long Beach Water Department, CA: Alternate Construction Inspector for removal of four large gate valves at the intersection of Redondo Avenue and Kilroy Airport Way. The project replaced one 42-inch gate valve, one 30-inch gate valve, and one 24-inch gate valve (with butterfly valves of the same size) in the public right-of-way. The project also replaced one 42-inch butterfly valve with an electric actuator inside the Long Beach Groundwater Treatment Plant.

Inspection Services for North Bay Intake Pump Station, Lake Arrowhead Community Services District, Lake Arrowhead, CA: Provided full-time construction inspection to observe construction progress, monitored conformance with the construction plans and specifications, provided assistance with design deviations, and acted as the District representative on site. The project included demolition of existing facilities including pump station, vaults, pumps, valves, and electrical equipment; construction of on-shore pump station structure with stone veneer, access hatch with vertical turbine pumps and motors, piping, valves, and surge tank; construction of electrical building extension including conduits, wiring, manual transfer switch, switchgear, VFD's and instrumentation; and construction of in-lake pump station including submersible pumps, check and isolation valves, and electrical conduits.

Orange County Great Park, City of Irvine, CA: Provided project management and construction management services to the City of Irvine for the development and construction of the City's 1.1 Billion, 1,437-acre Orange County Great Parks project. Responsibilities stretch from project conception/inception to completion and turnover to the City and include: preparation of the engineering design RFPs for infrastructure, lighting, signal and roadway design; preparation of construction bid packages, bid review and contractor selection; and management of the design and construction contracts, implementation and construction management oversite of the construction work.

Omar M. Abutaleb,
PE (Continued)

King Abdullah University of Science and Technology, Thuwal, Saudi Arabia: Responsibility was in pre-planning review for construction, review of related submittals and coordination of technical queries (TQ or RFI) in accordance with the approved project plans and specifications. Responsible for construction management of the earthwork, site civil and all utilities for the project. Responsibilities included the coordination of over 300,000 cubic meters of earthwork, 1,500 meters of reinforced concrete culvert box to the red sea, 400 meters of force main pipe, 2,200 meters of storm drain pipe and associated structures, 5,700 meters of water/fire pipe and 1,700 meters of chilled water pipe.

Project Manager and Resident Engineer - Wildwood Canyon Retention Basins, City of Yucaipa, CA: Managed the construction of three retention basins at a live creek at the bottom of the mountains in the City of Yucaipa. The project included clearing and grubbing of the creek area and export of 250,000 cubic yard of dirt. The project included massive grading of approximately 500,000 cubic yards to construct the basins. In addition; a spillway channel around the basins was constructed with soil cement banks and various uses of concrete and grouted rip rap. The project also included the construction of culvert box, 72-inch storm drain line, sewer line, water line and various street and parking lot improvements.

Contract and Construction Manager – Glendale Traffic Management Center, City of Glendale, CA: Managed the implementation of the Glendale Traffic Management Center (TMC). Oversaw consultant's PS&E and administered the construction contract. Developed the "Engineer's Estimate" and processed the project through various city departments to secure funding. The project included installation of 2-1/2 miles of the city's back bone fiber optic (144SMFO) cable and associated conduits and vaults, installation of several CCTV cameras and changeable message signs along San Fernando Road to serve as an alternate route to the I-5 Freeway.

Construction Manager and Resident Engineer - Interstate 5 Freeway Ramp Improvements at Colorado Street, City of Glendale CA: Managed the realignment of I-5 Freeway off-ramp at Colorado Street. Oversaw the consultant PS&E and administered the construction contract. Developed the "Engineer's Estimate" and negotiated contract change orders with the contractor. The project consisted of 1,800 lineal feet of concrete lane widening, relocating sewer and water lines, installations of storm drain lines and associated manholes and structures, installation of traffic signal and street lighting system. The project also included construction traffic handling and close coordination with Caltrans.

Contract and Construction Manager - Traffic Signal Modifications Downtown Glendale, City of Glendale, CA: Responsible for the development of the PS&E package and contract administration for traffic signal modifications and interconnect system in the Glendale downtown area along Brand Boulevard, Central Avenue and Glendale Avenue. Phase I included the modifications of twenty traffic signals and Phase II included modifications of thirty-seven traffic signals. Total of 57 traffic signals within the downtown Glendale area.

Juan Torres

Construction Inspector

CERTIFICATIONS

40-Hour OSHA Trained, 29 CFR 1910.120 (e)(2)/8 CCR 5192

Radiation Safety and Use of Nuclear Gages.

Training and Certification for Mechanics, 1982

GSI Certified Inspector-Construction QA/QC for Geosynthetics, Compacted Clay and GCL Liner Installation

TRI/GSI Short Course on Construction QA/QC for Geosynthetics, Compacted Clay and GCL Liner Installation

Mr. Torres has more than 30 years of experience as a construction inspector and quality assurance/quality control (QA/QC) monitor for a variety of construction projects to verify conformance with project plans and specifications.

As a QA/QC monitor, Mr. Torres has worked on a variety of public works projects involving mass grading activities, trench backfilling, pipeline and pavement installation, slope stabilization, foundation preparation and installation, oriented-drilling, and field instrumentation for construction and post-construction monitoring. He has also performed both construction supervision and QA/QC functions for several public works, landfills and contaminated material remediation projects including fill control, clay liner and clay caps testing, and concrete and rebar inspection.

Projects

CM and Inspection Services for Orangewood Avenue, City of Garden Grove Garden, Grove, CA: Construction Inspector for the upsizing of approximately 850 feet of existing 10-inch VCP sewer to a 15-in VCP sewer, on Orangewood Avenue to the Western Avenue intersection, where it discharged into an existing Orange County Sanitation District (OCSD) manhole.

CM and Inspection Services for Sanitary Sewer Rehabilitation and Replacement Program 1, Long Beach Water Department, CA: Construction Inspector for this City-wide sewer rehabilitation project for Long Beach Water Department. The project included removal and replacement of 150 lf of 8-inch sewer, CIPP lining of 7,300 lf of 8-inch through 12-inch sewers, spot repairs, manhole cleaning and CCTV, lateral intrusions repair, and installation of top-hats at 20 locations.

CM and Inspection Services for South Long Beach Sewer Improvement Project, Long Beach Water Department, CA: Construction Inspector for rehabilitation of 17,500 lineal feet of sewer pipelines. The work included CCTV inspections, cleaning and lining of 8-inch, 10-inch and 12-inch sewers, point repairs, removing and replacing sections of 8-inch sewer, restoring existing laterals after repair/lining, root removal, installation of "top hat" repairs, and repair of intruding laterals, manhole channels and manhole rehabilitations.

CM and Inspection Services for Cornerstone Church Sewer Extension, Elsinore Valley Municipal Water District, Wildomar, CA: Construction Inspector for construction of 1,800 lineal feet of 8-inch sewer pipelines including 8 manholes. The project extended the existing sewer collection system to serve the Cornerstone Church located on Monte Vista Drive in the City of Wildomar.

CM and Inspection Services for Third and Forest Sewer Pipeline, City of Laguna Beach, CA: Construction Inspector for a large diameter sewer relocation project near the City Hall. The project involved abandonment of 1,600 lineal feet of 24-inch trunk sewer, 1,350 lineal feet of 15-inch inverted siphon, and removal of 750 lineal feet of 8-inch sewer. The replacement sewer followed an alignment in front of the City Hall and consisted of 1,280 lineal feet of trunk sewer with an additional 360 lineal feet of 12-inch sewers.

Water Pipeline Replacement Project, Yorba Linda Water District, Yorba Linda, CA: QC Monitor during observations and testing needed to assure proper compaction of subgrade soils and placement and compaction of aggregate base, asphalt concrete in general accordance with the latest version of Greenbook and project's specifications.

Donald Romine

Construction Inspector

EDUCATION

Confined Space Awareness Course

Trenching and Excavation Training, CAL/OSHA

First Aid and CPR

CERTIFICATIONS

2008/Construction Safety and Health, US Department of Labor, OSHA

Donald Romine has over 30 years of experience in the construction inspection of water and wastewater facilities. This experience encompasses pipelines, reservoirs, pump stations, wells, street improvements, and other public works projects. He has been responsible for QA/QC monitoring of construction activities, preparing daily construction inspection reports and documentation, verifying compliance with plans and specifications, ensuring testing protocol is satisfactorily conducted, review of progress payment applications, tracking material quantities, maintaining record drawings, conducting final inspections, and generating final punch list.

Projects

Water Improvement Projects

CM and Inspection Services for Large Potable Water Valve Replacement at Redondo Avenue and Kilroy Airport Way, Phase 1, Long Beach Water Department, Long Beach, CA: Alternate Construction Inspector for removal of four large gate valves at the intersection of Redondo Avenue and Kilroy Airport Way. The project replaced one 42-inch gate valve, one 30-inch gate valve, and one 24-inch gate valve (with butterfly valves of the same size) in the public right-of-way. The project also replaced one 42-inch butterfly valve with an electric actuator inside the Long Beach Groundwater Treatment Plant. This project was high-profile and a critical improvement to Long Beach Water Department's potable water treatment and distribution system. These large valves are key components of the Groundwater Treatment Plant main discharge to the Alamitos storage reservoirs. Construction was carefully coordinated not only with public works but also with the Groundwater Treatment Plant operators.

Upper River Well Field and Water Supply Pipeline, West Conveyance Pipeline, Mojave Water Agency, Victorville and Hesperia, CA: Provided construction management and construction inspection services for this $8 million pipeline project which involved 32,250 LF of 18-inch and 42-inch cml&c steel pipeline. Served as a Senior Construction Inspector. Mr. Romine's duties included material testing, ensuring quality control, providing community relations, monitoring site safety, coordinating survey, and removal of hazardous materials. Coordinated activities and schedules with utility companies, contractors, and with City departments. Attended weekly and monthly progress meetings, organized meeting minutes, change orders, schedules, progress payments, RFI's and reviews submittals. Compiled information and prepared daily reports and digital photos.

District 4 Phase I Water Main Replacement, City of Pomona, CA: Provided construction inspection services within this small, ½ square mile, residential community adjacent to downtown Pomona. Mr. Romine was responsible for construction inspection and documentation of this $1.9 million project which included the installation of approximately 6,306 lineal feet of new 6-inch and 12-inch ductile iron water main line with associated new valves, hydrants, appurtenances and meter services. The project also included the subsequent or simultaneous abandonment and/or removal of the existing cast iron or steel water main line pipe. After replacement of the water line, new street improvements including removal and replacement of related concrete pavement, curb and gutter, sidewalks, driveways, cross gutters and curb ramps were installed. The existing asphalt pavement roadway within the pipeline replacement area was then cold milled and replaced with new HMAC and ARHM asphalt concrete.

District 2 and 3, Phase I Water Main Replacement, City of Pomona, CA: Provided construction inspection services for a diverse residential and commercial area within downtown Pomona. Mr. Romine was responsible for construction inspection and documentation of this $3.8 million project which involved removal and installation of 17,000 lineal feet of 4-inch and 8-inch ductile iron water main, repaving of

Donald Romine
(Continued)

existing streets with new HMAC & ARHM; and replacement of concrete pavement, curb, gutter, sidewalks, driveways, cross gutters, curb ramps and catch basins.

Product Pipeline Project, Santa Ana Watershed Project Authority, Riverside County, CA: Provided construction inspection services for the construction of 48,000 lineal feet of 24-inch and 30-inch diameter cml&c welded steel water line which transports desalted water product from San Bernardino County to the Jurupa Community Services District.

CFD No. 1 Water Facilities, Jurupa Community Services District, Riverside County, CA: Served as Senior Construction Inspector for the Jurupa Community Services District on this 47,000 lineal feet of 16-inch to 30-inch diameter waterline project which also included a 300-hp, 6,000 gpm booster station, two 750-hp, 5,400 gpm water wells, and a 6 MG welded steel water storage reservoir. His duties encompassed: administering the contract; inspecting the work; conducting weekly progress meetings; coordinating with various agencies and utility companies; monitoring the schedule; verifying quantities and assuring quality control; maintaining traffic control, site safety, and public relations; processing submittals, weekly statements of working days, change orders, progress payments, and punch lists; and documenting the work via daily reports and digital photography.

Wastewater Improvement Projects

CM and Inspection Services for Collier Avenue and Pasadena Street Manhole Rehabilitation and Replacement, Elsinore Valley Municipal Water District, CA: Construction Inspector for rehabilitation of 14 existing manholes in the City of Lake Elsinore. Rehabilitation efforts included removing and replacing the existing cones to meet District Standards, repair of manhole shelves, interior surface preparation, and lining with polyurethane.

CM and Inspection Services for Sanitary Sewer Rehabilitation and Replacement Program 1, Long Beach Water Department, CA: Construction Inspector for this City-wide sewer rehabilitation project for Long Beach Water Department. The project included removal and replacement of 150 lf of 8-inch sewer, CIPP lining of 7,300 lf of 8-inch through 12-inch sewers, spot repairs, manhole cleaning and CCTV, lateral intrusions repair, and installation of top-hats at 20 locations.

Hamner Avenue Waterline, Trunk Sewer and Wastewater Metering Station, Jurupa Community Services District, Riverside County, CA: Mr. Romine served as Senior Construction Inspector for Jurupa Community Services District for the construction of 13,000 lineal feet of 16-inch diameter water line as well as 12,000 lineal feet of 8-inch to 21-inch diameter trunk sewer and associated water metering station.

Wineville Avenue Waterline, Trunk Sewer and Wastewater Metering Station, Jurupa Community Services District, Riverside County, CA: Mr. Romine served as Senior Construction Inspector for Jurupa Community Services District for the construction of 5,300 lineal feet of 18-inch diameter water line as well as 9,500 lineal feet of 12-inch to 24-inch diameter trunk sewer and associated water metering station.

Jeff W. Wilson

Construction Inspector

EDUCATION

1987/Mechanics/Universal Technical Institute, Arizona

Water Math and Treatment Courses/Santiago Canyon College

1986/Diamond Bar High School

CERTIFICATIONS

40-Hour OSHA Trained, 29 CFR 1910.120 (e)(2)/8 CCR 5192

Radiation Safety and Use of Nuclear Gages

Department of Health Services Distribution D3

Department of Health Services Treatment Plant T2

Mr. Wilson has more than 30 years of experience as a construction manager and inspector focused on water, environmental, and geotechnical engineering construction projects. His work history includes employment experience with numerous engineering and construction companies. For a three-year period, he served in the operations and maintenance department for Mesa Consolidated Water District servicing natural gas engines, pumps, and reservoirs. He also served as a Construction Manager for Advanced Construction Technologies.

Mr. Wilson has taken on a full range of responsibilities in construction including management, inspection, field testing and coordination with clients and other project stakeholders. He is well versed and experienced with concrete construction, masonry construction, soils inspection, welding, servicing and operations of mechanical equipment, and pipeline construction.

Projects

CM and Inspection Services for Magnolia Reservoir and Booster Pump Station Rehabilitation, City of Garden Grove, CA: Served as Construction Inspector for the rehabilitation of a 5 MG prestressed buried concrete reservoirs located in Magnolia Park in the City of Garden Grove. Project duties included coordination with construction manager, daily inspection and documentation for conformance to plans and specifications, attendance to progress meetings, and review of progress pay applications. Project construction included structural rehabilitation inside and outside of the tank, construction of a seismic curb in the interior, and waterproofing of the exterior top slab. Construction also included the removal and replacement of a natural gas engine, right angle gear drive, and vertical turbine pump.

CM and Inspection Services for Large Potable Water Valve Replacement at Redondo Avenue and Kilroy Airport Way, Phase 2, Long Beach Water Department, CA: Alternate Construction Inspector for removal of four large gate valves at the intersection of Redondo Avenue and Kilroy Airport Way. The project replaced two 30-inch gate valves, and two 24-inch gate valves (with butterfly valves of the same size) in the public right-of-way. Construction was separated in two stages to minimize disruption to LBWD influent transmission main to the Alamitos Reservoir site and the Groundwater Treatment Plant.

Northrup N12 Groundwater Cleanup and Injection Wells, Orange County Water District, Anaheim, CA

Operations and Maintenance for Reservoirs and Natural Gas Engines, Mesa Consolidated Water District, Costa Mesa, CA

Trampas Dam Reservoir Transfer Pipelines, Santa Margarita Water District, Rancho Mission Viejo, CA

16-inch Domestic, Recycled, and Fire Line, City of Beaumont, CA

Parallel 60-inch Concrete Storm Drain Pipelines, City of Walnut, CA

Environmental Plume Cleanup for Shell and Chevron Treatment Plant, City of El Toro, CA

100-Acres of HDPE Liner Improvements, Waste Management

Trampas Dam Reconstruction – Soils and Geotechnical Inspections, Santa Margarita Water District, Rancho Mission Viejo, CA

Well Points and Treatment Plant for Contaminated Groundwater and Soils, City of Corona, CA

Redline and Purple Line Metro Rail Degassing Hydrogen Sulfide, Metro Rail, Los Angeles, CA

Section 4 – Statement of Availability

JIG is committed to serving the City and our project team is capable of providing construction management and inspection services in an efficient and expeditious manner. The following is a listing of our in-house team's availability as of the date of this proposal.

Project Team Member	***Position***	***Availability***
Joseph Gutierrez	Principal / Construction Manager	50%
Omar Abutaleb	Construction Manager	25%
Juan Torres	Construction Inspector	90%
Donald Romine	Construction Inspector	100%
Jeff Wilson	Construction Inspector	50%

Section 5 – Rate Schedule

The following hourly rates will be used for this proposal and will remain effective until December 31, 2022. Rates will increase at 3% for each 12-month period after the aforementioned effective date.

JIG Consultants

Administrative Assistant	$ 75.00 / hr.
Construction Inspectors	$ 145.00 / hr.
Construction Managers	$ 185.00 / hr.
Principal-in-Charge	$ 185.00 / hr.

Reimbursables:

1. Standard computer and technology costs are incorporated into these hourly rates as well as direct labor, overhead, fringe benefits and fee.
2. Mileage and parking expenses incurred by the construction inspectors are included into the hourly rates shown above. All others will be invoiced at 2022 mileage rates.
3. Prints, plots, messenger service, subsistence, air travel, and other direct expenses will be charged at cost plus 10%.