

PROFESSIONAL SERVICES CONTRACT BETWEEN  
THE CITY OF HUNTINGTON BEACH AND  
ARCADIS, U.S., INC.  
FOR  
ON CALL CONSTRUCTION MANAGEMENT AND ENGINEERING SERVICES

THIS AGREEMENT ("Agreement") is made and entered into by and between the City of Huntington Beach, a municipal corporation of the State of California, hereinafter referred to as "CITY," and ARCADIS, U.S., INC., hereinafter referred to as "CONSULTANT."

WHEREAS, CITY desires to engage the services of a consultant to provide On-Call Construction Management and Engineering Services; and

Pursuant to documentation on file in the office of the City Clerk, the provisions of the Huntington Beach Municipal Code, Chapter 3.03, relating to procurement of professional service contracts have been complied with; and

CONSULTANT has been selected to perform these services,

NOW, THEREFORE, it is agreed by CITY and CONSULTANT as follows:

1. SCOPE OF SERVICES

CONSULTANT shall provide all services as described in **Exhibit "A,"** which is attached hereto and incorporated into this Agreement by this reference. These services shall sometimes hereinafter be referred to as the "PROJECT."

CONSULTANT hereby designates Richard Farr who shall represent it and be its sole contact and agent in all consultations with CITY during the performance of this Agreement.

2. CITY STAFF ASSISTANCE

CITY shall assign a staff coordinator to work directly with CONSULTANT in the performance of this Agreement.

3. TERM; TIME OF PERFORMANCE

Time is of the essence of this Agreement. The services of CONSULTANT are to commence on \_\_\_\_\_, 20\_\_\_\_ (the "Commencement Date"). This Agreement shall automatically terminate three (3) years from the Commencement Date, unless extended or sooner terminated as provided herein. All tasks specified in **Exhibit "A"** shall be completed no later than (3) three years from the Commencement Date. The time for performance of the tasks identified in **Exhibit "A"** are generally to be shown in **Exhibit "A."** This schedule may be amended to benefit the PROJECT if mutually agreed to in writing by CITY and CONSULTANT.

In the event the Commencement Date precedes the Effective Date, CONSULTANT shall be bound by all terms and conditions as provided herein.

4. COMPENSATION

In consideration of the performance of the services described herein, CITY agrees to pay CONSULTANT on a time and materials basis at the rates specified in **Exhibit "B,"** which is attached hereto and incorporated by reference into this Agreement, a fee, including all costs and expenses, not to exceed Two Million Dollars (\$2,000,000.00).

5. EXTRA WORK

In the event CITY requires additional services not included in **Exhibit "A"** or changes in the scope of services described in **Exhibit "A,"** CONSULTANT will undertake such work only after receiving written authorization from CITY. Additional compensation for such extra work shall be allowed only if the prior written approval of CITY is obtained.

6. METHOD OF PAYMENT

CONSULTANT shall be paid pursuant to the terms of **Exhibit "B."**

7. DISPOSITION OF PLANS, ESTIMATES AND OTHER DOCUMENTS

CONSULTANT agrees that title to all materials prepared hereunder, including, without limitation, all original drawings, designs, reports, both field and office notices, calculations, computer code, language, data or programs, maps, memoranda, letters and other documents, shall belong to CITY, and CONSULTANT shall turn these materials over to CITY upon expiration or termination of this Agreement or upon PROJECT completion, whichever shall occur first. These materials may be used by CITY as it sees fit.

8. HOLD HARMLESS

A. CONSULTANT hereby agrees to protect, defend, indemnify and hold harmless CITY, its officers, elected or appointed officials, employees, agents and volunteers from and against any and all claims, damages, losses, expenses, judgments, demands and defense costs (including, without limitation, costs and fees of litigation of every nature or liability of any kind or nature) arising out of or in connection with CONSULTANT's (or CONSULTANT's subcontractors, if any) negligent (or alleged negligent) performance of this Agreement or its failure to comply with any of its obligations contained in this Agreement by CONSULTANT, its officers, agents or employees except such loss or damage which was caused by the sole negligence or willful misconduct of CITY. CONSULTANT will conduct all defense at its sole cost and expense and CITY shall approve selection of CONSULTANT's counsel. This indemnity shall apply to all claims and liability regardless of whether any insurance policies are applicable. The policy limits do not act as limitation upon the amount of indemnification to be provided by CONSULTANT.

B. To the extent that CONSULTANT performs "Design Professional Services" within the meaning of Civil Code Section 2782.8, then the following Hold Harmless provision applies in place of subsection A above:

“CONSULTANT hereby agrees to protect, defend, indemnify and hold harmless CITY and its officers, elected or appointed officials, employees, agents and volunteers, from and against any and all claims, damages, losses, expenses, demands and defense costs (including, without limitation, costs and fees of litigation of every nature or liability of any kind or nature) to the extent that the claims against CONSULTANT arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of CONSULTANT. In no event shall the cost to defend charged to CONSULTANT exceed CONSULTANT’s proportionate percentage of fault. However, notwithstanding the previous sentence, in the event one or more other defendants to the claims and/or litigation is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, CONSULTANT shall meet and confer with CITY and other defendants regarding unpaid defense costs. The duty to indemnify, including the duty and the cost to defend, is limited as provided in California Civil Code Section 2782.8.

C. Regardless of whether subparagraph A or B applies, CITY shall be reimbursed by CONSULTANT for all costs and attorney’s fees incurred by CITY in enforcing this obligation. This indemnity shall apply to all claims and 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.

9. PROFESSIONAL LIABILITY INSURANCE

CONSULTANT shall obtain and furnish to CITY a professional liability insurance policy covering the work performed by it hereunder. This policy shall provide coverage for CONSULTANT’s professional liability in an amount not less than One Million Dollars (\$1,000,000.00) per occurrence and in the aggregate. The above-mentioned insurance shall not contain a self-insured retention without the express written consent of CITY; however an insurance

policy "deductible" of Ten Thousand Dollars (\$10,000.00) or less is permitted. A claims-made policy shall be acceptable if the policy further provides that:

- A. The policy retroactive date coincides with or precedes the initiation of the scope of work (including subsequent policies purchased as renewals or replacements).
- B. CONSULTANT shall notify CITY of circumstances or incidents that might give rise to future claims.

CONSULTANT will make every effort to maintain similar insurance during the required extended period of coverage following PROJECT completion. If insurance is terminated for any reason, CONSULTANT agrees to purchase an extended reporting provision of at least two (2) years to report claims arising from work performed in connection with this Agreement.

If CONSULTANT fails or refuses to produce or maintain the insurance required by this section or fails or refuses to furnish the CITY with required proof that insurance has been procured and is in force and paid for, the CITY shall have the right, at the CITY's election, to forthwith terminate this Agreement. Such termination shall not effect Consultant's right to be paid for its time and materials expended prior to notification of termination. CONSULTANT waives the right to receive compensation and agrees to indemnify the CITY for any work performed prior to approval of insurance by the CITY.

#### 10. CERTIFICATE OF INSURANCE

Prior to commencing performance of the work hereunder, CONSULTANT shall furnish to CITY a certificate of insurance subject to approval of the City Attorney evidencing the foregoing insurance coverage as required by this Agreement; the certificate shall:

- A. provide the name and policy number of each carrier and policy;
- B. state that the policy is currently in force; and

C. shall promise that such policy shall not be suspended, voided or canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice; however, ten (10) days' prior written notice in the event of cancellation for nonpayment of premium.

CONSULTANT shall maintain the foregoing insurance coverage in force until the work under this Agreement is fully completed and accepted by CITY.

The requirement for carrying the foregoing insurance coverage shall not derogate from CONSULTANT's defense, hold harmless and indemnification obligations as set forth in this Agreement. CITY or its representative shall at all times have the right to demand the original or a copy of the policy of insurance. CONSULTANT shall pay, in a prompt and timely manner, the premiums on the insurance hereinabove required.

11. INDEPENDENT CONTRACTOR

CONSULTANT is, and shall be, acting at all times in the performance of this Agreement as an independent contractor herein and not as an employee of CITY. CONSULTANT shall secure at its own cost and expense, and be responsible for any and all payment of all taxes, social security, state disability insurance compensation, unemployment compensation and other payroll deductions for CONSULTANT and its officers, agents and employees and all business licenses, if any, in connection with the PROJECT and/or the services to be performed hereunder.

12. TERMINATION OF AGREEMENT

All work required hereunder shall be performed in a good and workmanlike manner. CITY may terminate CONSULTANT's services hereunder at any time with or without cause, and whether or not the PROJECT is fully complete. Any termination of this Agreement by CITY shall be made in writing, notice of which shall be delivered to CONSULTANT as provided herein. In the

event of termination, all finished and unfinished documents, exhibits, report, and evidence shall, at the option of CITY, become its property and shall be promptly delivered to it by CONSULTANT.

13. ASSIGNMENT AND DELEGATION

This Agreement is a personal service contract and the work hereunder shall not be assigned, delegated or subcontracted by CONSULTANT to any other person or entity without the prior express written consent of CITY. If an assignment, delegation or subcontract is approved, all approved assignees, delegates and subconsultants must satisfy the insurance requirements as set forth in Sections 9 and 10 hereinabove.

14. COPYRIGHTS/PATENTS

CITY shall own all rights to any patent or copyright on any work, item or material produced as a result of this Agreement.

15. CITY EMPLOYEES AND OFFICIALS

CONSULTANT shall employ no CITY official nor any regular CITY employee in the work performed pursuant to this Agreement. No officer or employee of CITY shall have any financial interest in this Agreement in violation of the applicable provisions of the California Government Code.

16. NOTICES

Any notices, certificates, or other communications hereunder shall be given either by personal delivery to CONSULTANT's agent (as designated in Section 1 hereinabove) or to CITY as the situation shall warrant, or by enclosing the same in a sealed envelope, postage prepaid, and depositing the same in the United States Postal Service, to the addresses specified below. CITY and CONSULTANT may designate different addresses to which subsequent notices, certificates or other communications will be sent by notifying the other party via personal delivery, a reputable overnight carrier or U. S. certified mail-return receipt requested:

TO CITY:

City of Huntington Beach  
ATTN: Joe Dale  
2000 Main Street  
Huntington Beach, CA 92648

TO CONSULTANT:

Arcadis, U.S., Inc.  
ATTN: Richard Farr  
320 Commerce, Suite 200  
Irvine, CA 92602

17. CONSENT

When CITY's consent/approval is required under this Agreement, its consent/approval for one transaction or event shall not be deemed to be a consent/approval to any subsequent occurrence of the same or any other transaction or event.

18. MODIFICATION

No waiver or modification of any language in this Agreement shall be valid unless in writing and duly executed by both parties.

19. SECTION HEADINGS

The titles, captions, section, paragraph and subject headings, and descriptive phrases at the beginning of the various sections in this Agreement are merely descriptive and are included solely for convenience of reference only and are not representative of matters included or excluded from such provisions, and do not interpret, define, limit or describe, or construe the intent of the parties or affect the construction or interpretation of any provision of this Agreement.

20. INTERPRETATION OF THIS AGREEMENT

The language of all parts of this Agreement shall in all cases be construed as a whole, according to its fair meaning, and not strictly for or against any of the parties. If any provision of this Agreement is held by an arbitrator or court of competent jurisdiction to be unenforceable, void, illegal or invalid, such holding shall not invalidate or affect the remaining covenants and provisions of this Agreement. No covenant or provision shall be deemed dependent upon any other unless so expressly provided here. As used in this Agreement, the masculine or

neuter gender and singular or plural number shall be deemed to include the other whenever the context so indicates or requires. Nothing contained herein shall be construed so as to require the commission of any act contrary to law, and wherever there is any conflict between any provision contained herein and any present or future statute, law, ordinance or regulation contrary to which the parties have no right to contract, then the latter shall prevail, and the provision of this Agreement which is hereby affected shall be curtailed and limited only to the extent necessary to bring it within the requirements of the law.

21. DUPLICATE ORIGINAL

The original of this Agreement and one or more copies hereto have been prepared and signed in counterparts as duplicate originals, each of which so executed shall, irrespective of the date of its execution and delivery, be deemed an original. Each duplicate original shall be deemed an original instrument as against any party who has signed it.

22. IMMIGRATION

CONSULTANT shall be responsible for full compliance with the immigration and naturalization laws of the United States and shall, in particular, comply with the provisions of the United States Code regarding employment verification.

23. LEGAL SERVICES SUBCONTRACTING PROHIBITED

CONSULTANT and CITY agree that CITY is not liable for payment of any subcontractor work involving legal services, and that such legal services are expressly outside the scope of services contemplated hereunder. CONSULTANT understands that pursuant to *Huntington Beach City Charter* Section 309, the City Attorney is the exclusive legal counsel for CITY; and CITY shall not be liable for payment of any legal services expenses incurred by CONSULTANT.

24. ATTORNEY'S FEES

In the event suit is brought by either party to construe, interpret and/or enforce the terms and/or provisions of this Agreement or to secure the performance hereof, each party shall bear its own attorney's fees, such that the prevailing party shall not be entitled to recover its attorney's fees from the nonprevailing party.

25. SURVIVAL

Terms and conditions of this Agreement, which by their sense and context survive the expiration or termination of this Agreement, shall so survive.

26. GOVERNING LAW

This Agreement shall be governed and construed in accordance with the laws of the State of California.

27. SIGNATORIES

Each undersigned represents and warrants that its signature hereinbelow has the power, authority and right to bind their respective parties to each of the terms of this Agreement, and shall indemnify CITY fully for any injuries or damages to CITY in the event that such authority or power is not, in fact, held by the signatory or is withdrawn.

28. ENTIRETY

The parties acknowledge and agree that they are entering into this Agreement freely and voluntarily following extensive arm's length negotiation, and that each has had the opportunity to consult with legal counsel prior to executing this Agreement. The parties also acknowledge and agree that no representations, inducements, promises, agreements or warranties, oral or otherwise, have been made by that party or anyone acting on that party's behalf, which are not embodied in this Agreement, and that that party has not executed this Agreement in reliance on any representation, inducement, promise, agreement, warranty, fact or circumstance not expressly set forth in this

Agreement. This Agreement, and the attached exhibits, contain the entire agreement between the parties respecting the subject matter of this Agreement, and supersede all prior understandings and agreements whether oral or in writing between the parties respecting the subject matter hereof.

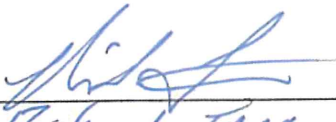
29. EFFECTIVE DATE

This Agreement shall be effective on the date of its approval by the City Council.

This Agreement shall expire when terminated as provided herein.


IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by and through their authorized officers.

CONSULTANT,  
ARCADIS, U.S., INC.

By:   
\_\_\_\_\_  
Richard Fara  
print name

ITS: (circle one) Chairman/President Vice President

AND

By:   
\_\_\_\_\_  
Kimberly Lasnicki  
print name

ITS: (circle one) Secretary/Glenn Financial Officer (Asst.)  
Secretary - Treasurer



CITY OF HUNTINGTON BEACH, a  
municipal corporation of the State of  
California

\_\_\_\_\_  
Mayor

\_\_\_\_\_  
City Clerk

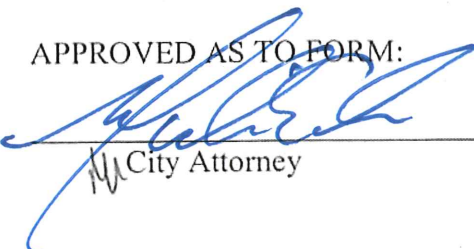
INITIATED AND APPROVED:

  
\_\_\_\_\_  
Director of Public Works

REVIEWED AND APPROVED:

  
\_\_\_\_\_  
City Manager

APPROVED AS TO FORM:

  
\_\_\_\_\_  
City Attorney

## **EXHIBIT "A"**

A. STATEMENT OF WORK: (Narrative of work to be performed)

CONSULTANT shall provide consulting services on an "as-needed" basis for projects to be determined during the term of the agreement. During the term of the agreement, CITY may elect to solicit proposals from CONSULTANT. CITY shall issue task order for each project based upon the scoped of services, work schedule, and fee proposal submitted to the CITY for its review and approval.

B. CONSULTANT'S DUTIES AND RESPONSIBILITIES:

SEE ATTACHED EXHIBIT A

C. CITY'S DUTIES AND RESPONSIBILITIES:

1. Furnish scope of work request for each project.
2. Furnish construction plans and specifications to the CONSULTANT

D. WORK PROGRAM/PROJECT SCHEDULE:

A project schedule will be developed for each project assigned by CITY.

Proposal

City of Huntington Beach

# On-Call Construction Management Services

August 2021



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3. Understanding & Methodology Section

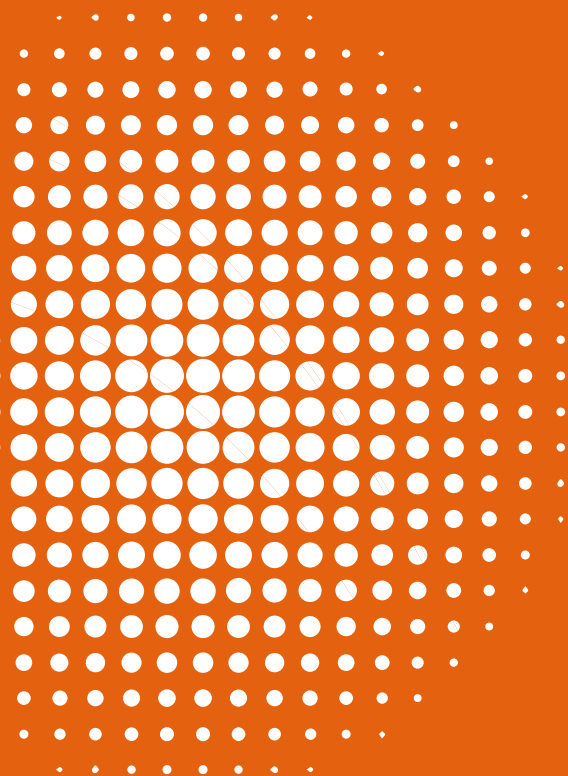
## E. Rate Sheet

*Per the RFP, Arcadis uploaded a detailed hourly rate schedule under the Cost File in PlanetBids.*

## Appendix A. Resumes



# Cover Letter



August 10, 2021  
City of Huntington Beach  
Public Works Department

Subject: On-Call Construction Management Services

Arcadis U.S., Inc.  
320 Commerce  
Suite 200  
Irvine, California 92602  
Tel 714 730 9052  
**[www.arcadis.com](http://www.arcadis.com)**

Dear City of Huntington Beach Selection Committee:

For the On-Call Construction Management Services contract, Arcadis U.S. Inc. (Arcadis) has assembled a dynamic team that will provide construction management, inspection, and labor compliance services for your Public Works and Facility capital improvement projects (CIP). We commit the personnel and resources identified to meet the City of Huntington Beach's (City's) quality, budget and schedule expectations for the tasks we are assigned.

Established in 1888, Arcadis provides consultancy, design, engineering and construction management services in infrastructure, water, environment and buildings to governmental and industry clients nationwide. For this contract, staff and services provided will support the Public Works Department's five-year Capital Improvement Program (CIP) on an as-needed basis.

We have reviewed the RFP and Five-Year CIP program and see various public works infrastructure projects. Arcadis is highly qualified to support the City with pump stations, lift stations, curb, gutter, sidewalks, pipelines, traffic signals, structures, road rehabilitation and bridge retrofits. We also see that the City anticipates consistent construction activity on City facilities, including fire stations, police department facilities and substations, community centers, beach and park restrooms, libraries, and city hall facilities. This vertical construction work will involve various new and rehabilitation of tenant improvements (TI), general office and building remodel and renovations, superstructure and subgrade structural retrofits, new building construction, security and fire system modifications, and building mechanical, electrical, and plumbing (MEP) improvements.

August 11, 2021

Arcadis staff has performed on many locally funded projects, have an in-depth knowledge of the City's procedures, and can assure you we will be responsible for all professional related construction management, inspection and labor compliance services.

Our staff has extensive experience and deep knowledge of Public Works and Facility new and tenant improvement projects. We can scale up our experienced staff quickly from a small tenant improvement task to a new or retrofitted pump station or bridge. Rick Farr and Terry Krie both worked on the Orange County Sanitation District's Bushard project in Huntington Beach, communicated effectively with the City, and built strong and positive relationships with City Public Works staff by meeting their expectations.

Mr. Krie has completed many projects with the City and understands the complexities of working effectively with multiple sister agencies and within City departments. He communicates effectively, understands your needs and will provide the services which best fits your needs.

We are excited again to assist and support the City of Huntington Beach Public Work's staff to successfully deliver your five-year CIP program. We acknowledge and have reviewed Addenda 1, Q and A Set 1, released on Jul 28, 2021.

Our project manager's office location is 320 Commerce, # 200, Irvine, CA 92602, and telephone is 760.535.8539.

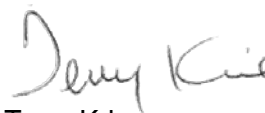
Should you have questions or need additional information regarding the proposal, please contact either of us directly at the contact information below.

Sincerely,

Arcadis U.S., Inc.



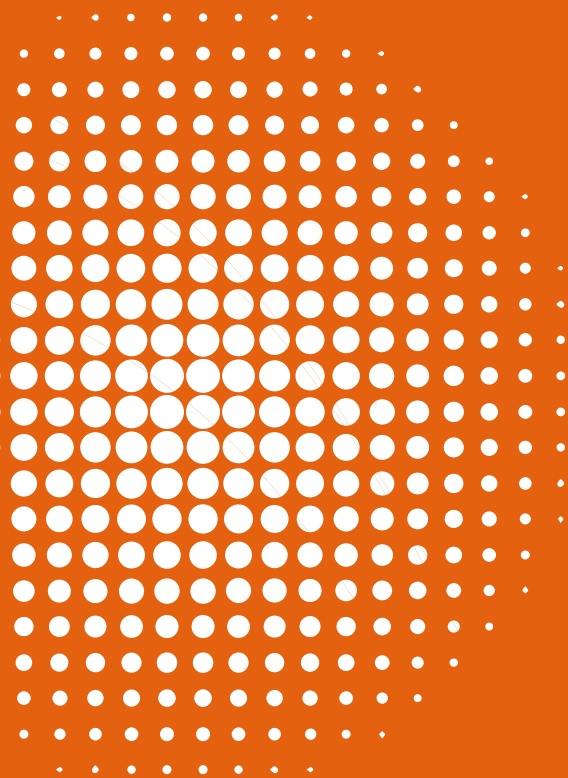
Richard Farr, CCM  
Principal-in-Charge/Area Construction Manager  
[richard.farr@arcadis.com](mailto:richard.farr@arcadis.com) | 760.535.8539



Terry Krie  
Project Manager  
[terry.krie@arcadis.com](mailto:terry.krie@arcadis.com) | 714.305.5223

B.

# Vendor Application Form



## B. Vendor Application Form

### REQUEST FOR PROPOSAL

### VENDOR APPLICATION FORM

TYPE OF APPLICANT: ☐ NEW ☒ CURRENT VENDOR

Legal Contractual Name of Corporation: Arcadis, U.S., Inc.

Contact Person for Agreement: Richard Farr

Corporate Mailing Address: 320 Commerce, Suite 200

City, State and Zip Code: Irvine, CA 92602

E-Mail Address: Richard.Farr@arcadis.com

Phone: 760.535.8539 Fax: 714.730.9345

Contact Person for Proposals: Richard Farr

Title: Vice President E-Mail Address: richard.farr@arcadis.com

Business Telephone: 760.535.8539 Business Fax: 714.730.9345

Is your business: (check one)

☐ NON PROFIT CORPORATION ☒ FOR PROFIT CORPORATION

Is your business: (check one)

☒ CORPORATION ☐ LIMITED LIABILITY PARTNERSHIP  
☐ INDIVIDUAL ☐ SOLE PROPRIETORSHIP  
☐ PARTNERSHIP ☐ UNINCORPORATED ASSOCIATION

## Names &amp; Titles of Corporate Board Members

(Also list Names &amp; Titles of persons with written authorization/resolution to sign contracts)

Names	Title	Phone
Alexander Rothchild	Chief Executive Officer	781.267.7435
Brian Kundert	Executive Vice President	510.596.9646
Darren English	Chief Financial Officer	720.344.3733
John McCarthy	President-Water Business Line	201.398.4348
Rick Farr	Vice President	760.535.8539

Federal Tax Identification Number: 57-0373224

City of Huntington Beach Business License Number: A277012  
 (If none, you must obtain a Huntington Beach Business License upon award of contract.)

City of Huntington Beach Business License Expiration Date: 5/31/2022

## SECRETARY CERTIFICATE

I, Kimberly Lasnicki, Assistant Secretary of Arcadis U.S., Inc. (the "Company"), a Corporation organized under the laws of the State of Delaware, certify that the following is a full and correct copy of a resolution adopted at a meeting of the Board of Directors of said Company, held on June 30, 2020:

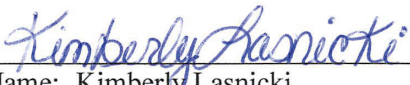
*"RESOLVED that the Chief Executive Officer is authorized and empowered to enter into proposals for fees and other contracts and obligations and that he may delegate the authority to other officers and managers of the Company in such amounts and on such other terms as he shall determine from time to time."*

**AND I DO FURTHER CERTIFY** that pursuant to the above resolution that contracts, amendments, and required documentation for **City of Huntington Beach, Public Works Department for On-Call Construction Management Services in Huntington Beach, CA** may be signed by **Rick Farr** in his capacity as **Vice President** of the Company.

**AND I DO FURTHER CERTIFY** that the above resolution has not been in any way altered, amended or repealed and is now in full force and effect.

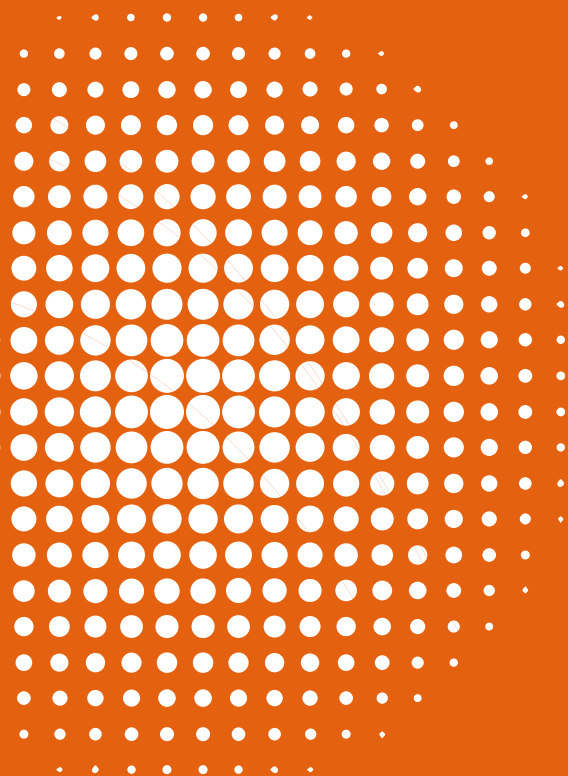
**IN WITNESS WHEREOF**, I have signed this Certificate this 27<sup>th</sup> day of July, 2021.



  
Name: Kimberly Lasnicki  
Title: Assistant Secretary  
Arcadis U.S., Inc.



# **Pre-Qualification Form (Exhibit A)**



## C. Pre-Qualification Form

### PRE-QUALIFICATION FORM

ON-CALL CONSTRUCTION MANAGEMENT CONSULTING SERVICES

SERVICE CATEGORY	PROPOSING? Y/N (circle)
A. Construction Management	<u>Yes</u> / No

RF (Initial) Consultant is willing to execute the Agreement as drafted (See **Appendix B**).

RF (Initial) Consultant is able to provide the insurance as required (See **Appendix C**).

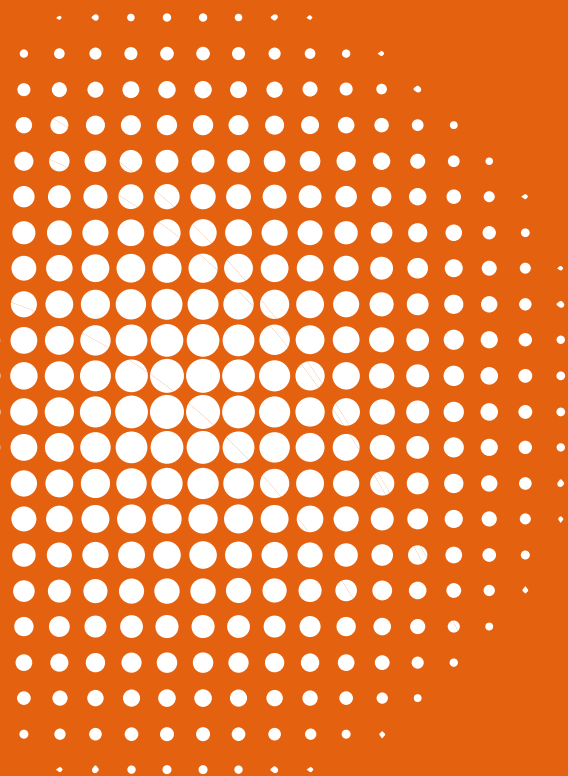
Firm Name: Arcadis, U.S., Inc.

Firm Address: 320 Commerce, Suite 200, Irvine, CA 92602

Signature:  Date: 8/10/2021

D.

## Service Category



## D. Service Category

### CONSTRUCTION MANAGEMENT

Arcadis has been a leading provider of construction, program, project management, inspection and claims management services to public sector clients throughout California for 30 years. We have managed significant projects throughout California and the U.S. ranging in scope up to \$5 billion in construction and have consistently been recognized by Engineering News Record as one of the top consulting firms in the nation and globally. Our construction management services cover the entire spectrum of activities required to construct and commission complex quality public works works and facility projects.

Our construction management team will provide coordination, planning and management necessary to control project cost, schedule, quality and prudently manage project challenges at every construction phase. Inspection staff will assure the specified project quality is constructed and delivered. Local and state regulations will be adhered to in addition to maintaining labor compliance to assure funding will be constructed with quality and obtained without conflict. Our team will also adhere to the Local Assistance Procedures Manual (LAPM) and Caltrans manuals as well as Federal Highway Administration (FHWA) requirements, when required.

### PERFORMANCE WITHIN PAST SEVEN YEARS

For the past seven years, we have extensive experience providing services described in the Scope of Work that are similar to Huntington Beach Public Works infrastructure and Facility projects. Below is a select list of applicable projects:

1. City of Huntington Beach On-Call Construction Management Services 2018-2021
2. Irvine Ranch Water District Michelson Water Recycling Plant Construction Services for Expansion
3. City of Los Angeles: Proposition "O" Clean Water Program
4. Caltrans District 11, San Diego and Imperial Counties On-Call Program and Construction Management, Scheduling and Inspection
5. East Valley Water District Booster Pump Upgrades and Getaway Pipeline-Plant 134-Construction Management and Inspection

### ON-CALL SERVICES

The Arcadis team has successfully completed as-needed assignments for major public agencies and government entities in the past and all of our company cultures support the needs of these types of clients. The Arcadis team has provided similar services to many of California's largest public agencies, including for the City of Huntington Beach. City of Los Angeles, Irvine Ranch Water District, City of San Diego, and Caltrans. We are very familiar with the nuances involved with integrating seamlessly with local agency's management and staff.

**350**  
Professionals

Arcadis Southern California

**33**  
Years

We have been providing similar type of services requested in this RFP for Southern California.

*Capabilities of developing innovative or advanced techniques, are highlighted throughout the proposal.*

## RELEVANT PROJECT EXPERIENCE | REFERENCES

### 1 City of Huntington Beach Construction Management On Call 2018, Huntington Beach, CA

Arcadis successfully completed the installation and commissioning of the relocation of the West Orange County Water Feeder No. 2, the rehabilitation of Graham Alley, the reconfiguration of Murdy Park, the removal and replacement of the Central Park restrooms, and the replacement of the Well 1A Pump Station. Arcadis has also provided master scheduling services for the current five-year CIP.

#### Start & Finish

4/2018 to 9/2021

#### Relevance

On-Call Construction Management, Inspection and Scheduling Services

#### Key Personnel

Rick Farr, Terry Krie, Joshua Koelle, Stefan Toth

#### Reference

Joseph Dale  
jdale@surfcity-hb.org  
714-536-5915

### 2 As-Needed Construction Management Services (H186997) & (H166592), San Diego, CA

Arcadis is currently providing construction management/resident engineer (CMRE) services to the City on 16 active task orders for projects totaling over \$60 million (to date) in construction. Our Arcadis CMREs work hand in hand with City staff providing construction management expertise. To date we have completed 25 task orders totaling over \$130 million in construction.

#### Start & Finish

2016 to 2024

#### Relevance

On-Call Construction Management and Inspection Services

#### Key Personnel

Richard Farr, Arthur Serata, Lauren Jentzen, Nariman Khomamizadeh

#### Reference

Yoftahe Ghiliamichael  
619-203-6905  
yghiliamichael@sandiego.gov

### 3 Santa Rosa Regional Resources Authority Reclamation Facility Water Recourse Management Services, Murrieta, CA

Arcadis is providing construction management, inspection and related activities for the Santa Rosa Regional Reclamation Facility (SRWRF) Rehabilitation Project.

#### Start & Finish

8/2018 to 8/2021

#### Relevance

Construction Management and Inspection Services

#### Key Personnel

Richard Farr, Arnold Wingler, Allen Day

#### Reference

Robert Avera  
averar@ranchowater.com

### 4 Plant 134-Booster Station Upgrades and Getaway Pipeline, East Valley Water District, Highland, CA

The project increased the plant capacity from 4 to 8 MGD and included construction of two Foothill Zone and one Canal Zone vertical turbine pumps, supplied with 100-hp and 60-hp electric motors, discharge piping, fittings, pump control valves, isolation valves, miscellaneous pressure instruments, modifications to electrical panels, and integration into District's SCADA system.

#### Start & Finish

7/2015 to 12/2016

#### Relevance

Construction Management and Inspection Services

#### Key Personnel

Terry Krie

#### Reference

Eliseo Ochoa  
909-888-8986  
eochoa@eastvalley.org

## SUMMARY OF FIRM'S QUALIFICATIONS

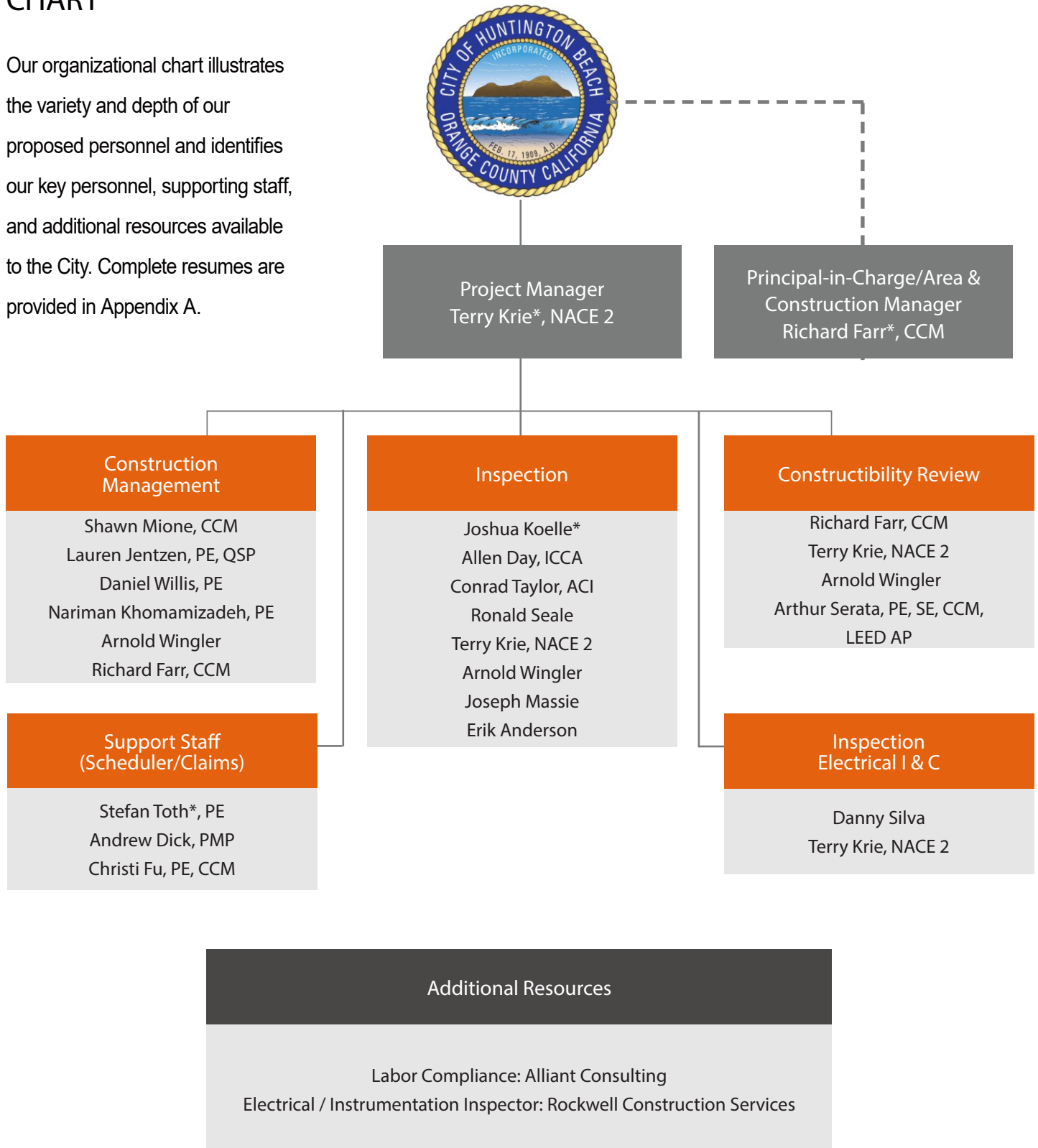
Our proposed team has extensive experience in all the required areas to successfully complete assigned tasks, similar to the On-Call Construction Management Services for the City.

Project   Client	Constructability Reviews	Electronic Document Control	Submittal Reviews and RFIs/RFCs	Schedule Review	Change Order / Claims Mgt	Construction Management	Progress Payments	Inspection Services	Record Drawings	Start-Up Assistance/Commissioning	Environmental / EIR Issues	Project Close-Out	Primavera / Microsoft Project
Construction Management On Call 2018   City of Huntington Beach	●	●			●	●	●	●	●	●	●	●	
As-Needed Construction Management Services   City of San Diego		●	●	●	●	●	●	●	●	●	●	●	●
Reclamation Facility Water Recourse Management Services   Santa Rosa Regional Resources Authority	●	●	●	●	●	●	●	●	●	●	●	●	●
On-Call Program and Construction Management, Scheduling and Inspection   Caltrans District 11	●	●	●	●	●	●	●	●	●		●	●	●
Wastewater Reclamation Project-Phase 1   Hi-Desert Water District	●	●	●	●	●	●	●	●	●	●	●	●	●
Plant 134 Booster Station Upgrades   East Valley Water District	●	●	●	●	●	●	●		●	●	●	●	●
As-Needed Contract - Engineering and Construction and Project Management Services   San Diego Unified Port District		●	●	●	●	●	●				●	●	●
Proposition O Clean Water Program   City of Los Angeles	●	●	●	●	●	●	●	●	●	●	●	●	●
Project Management Services   Escondido Union School District	●	●	●	●		●					●		●
Port of Long Beach Improvements   Port of Long Beach	●	●	●	●	●	●	●	●	●	●	●	●	●
Wilson Reservoir Replacement   City of South Pasadena		●	●	●	●	●	●		●	●	●	●	●
Perchlorate Treatment Plant   City of Pomona	●			●		●		●		●	●	●	●
Michelson Wastewater Reclamation Plant (Phase 1)   Irvine Ranch Water District	●	●	●	●	●	●	●		●	●	●	●	●
Michelson Wastewater Reclamation Plant (Phase 2)   Irvine Ranch Water District	●	●	●	●	●	●	●		●		●	●	●
Orchard Hills Reservoir   Irvine Ranch Water District		●	●	●	●	●	●	●	●	●	●	●	●
Penmar Water Quality Improvement (Phases 1 & 2)   City of Los Angeles	●	●	●	●	●	●				●	●	●	●
Construction Management and Inspection Services On Call   Eastern Municipal Water District		●	●	●	●	●	●	●	●	●	●	●	●
Construction Management and Inspection Services On Call   Los Angeles Department of Water and Power	●	●	●	●	●	●				●	●	●	●

*\* Indicates Key Personnel*

## PROJECT TEAM ORGANIZATIONAL CHART

Our organizational chart illustrates the variety and depth of our proposed personnel and identifies our key personnel, supporting staff, and additional resources available to the City. Complete resumes are provided in Appendix A.



## A CORE TEAM TO MEET YOUR PROJECT GOALS

To effectively meet your construction management and inspection needs, we have assembled a core team that has successfully delivered numerous similar projects, involving multiple construction management and inspection task orders with various municipalities. We have planned for tasks identified in the RFQ and the City's five-year CIP plan, including pump stations, lift stations, curb and gutter, sidewalks, water and sewer pipelines, structures, road rehabilitation, as well as facility construction projects including fire stations, police department facilities and substations, community centers, beach and park restrooms, libraries, and city hall facilities.



*Rick Farr with Arthur Serata on site.*

This vertical construction work will involve various TI, general office and building remodel and renovations, superstructure and subgrade structural retrofits, including new building construction, security and fire system modifications, and building MEP improvements.

### **Area/Construction Manager**

Our Area/Construction Manager Rick Farr will serve as the key client contact for the City of Huntington Beach. As a certified CCM, Rick will be responsible for services identified in the scope of services. Rick has lived in southern California for 24 years and provided construction management services for the Bushard project for OCSD in 2007 and managed multiple tasks for the City of San Diego from 2018 through 2021. Project Manager Terry Krie will work with you directly, lead the team of resources, and manage project activities, schedule and budget to make sure the project run smoothly.

### **Construction Management/Administrative**

Arcadis' construction management/administrative staff is very diverse and multi-talented, with extensive experience managing various types of projects.

We have the local capacity and expertise in-house to provide whatever support you need and the ability to reach back into our organization for specialized staff as necessary.

### **Schedulers**

Arcadis schedulers have extensive experience working with Primavera and Microsoft Project and are well skilled in project controls, cost loaded schedules and document control to mitigate claims. Our experienced schedulers produce quality schedules, follow-up on deliverables and control claims, which saves you time and money.

### **Labor Compliance**

Alliant has been providing labor compliance locally for 16 years and is currently working with Arcadis delivering flawless labor compliance support and assuring labor wage is managed. They are current with new regulation changes implemented by state and federal agencies, including the Davis-Bacon prevailing wage requirements that will be enforced on the proposed projects within the

City of Huntington Beach. Alliant provided labor compliance services for Arcadis and the City of Escondido for the HARRF project.

### **Inspectors**

Our inspectors have extensive experience on similar local public works, occupancy and facility projects. We understand the local requirements and quality expectations. With this knowledge, there is zero to minimal learning curve, which will help with expediting projects to meet schedule and budget goals. Most staff are multi-disciplined to serve a broader range of services which increase efficiency and reduces costs.



## Experience of Key Personnel

	Key Personnel			
	Rick Farr, CCM	Terry Krie, NACE 2	Stefan Toth, PE	Joshua Koelle
<b>On-Call Construction Management Tasks</b>				
<b>YEARS OF EXPERIENCE</b>	29	39	29	24
Process infrastructure, wastewater/water pump stations	●	●	●	●
Sewers/manhole and rehabilitation	●	●	●	●
Public works	●	●	●	●
Facility building construction/rehabilitation	●	●	●	●
<b>TASK</b>				
Third-party constructibility review	●	●	●	●
Review project permitting requirements	●	●	●	●
Prepare and conduct pre-construction meetings	●	●	●	●
Project coordination, prepare reports and documents	●	●	●	●
Maintained all project documents, project submittals and files	●	●	●	●
Provide weekly status reports	●	●	●	●
Review, lab, shop, mill test reports, coordinate with Engineer	●	●	●	●
Administer the construction contract	●	●	●	●
Receive, log and respond to Contractor RFI's	●	●	●	●
Coordinate and monitor all inspection activities	●	●	●	●
Maintain open door policy and meet the public's needs	●	●	●	●
Coordinate submittal review with design Engineer	●	●	●	●
Coordinate with the City Engineer	●	●	●	●
Document all claims and maintain for account records	●	●	●	●
Implement and review weekly traffic control for conformance	●	●	●	●
Coordinate and schedule construction surveying and material testing	●	●	●	●
Review and analyze cost and resource loaded schedules	●	●	●	●
Recommend, review, negotiate and process change orders	●	●	●	●
Create and maintain "as-built" project schedule	●	●	●	●
Review and negotiate progress pay request with contractor	●	●	●	●
Coordinate transition of project to maintenance	●	●	●	●
Coordinate training sessions	●	●	●	●
Conduct coordination meeting with owners and businesses	●	●	●	●
Construction Closeout: Final inspections, coordinate corrections of work, determine substantial completion, final progress payment, obtain lien release, file "notice of completion," secure guarantees, issue substantial completion, coordinate start-ups, deliver manuals and parts, collect as-built data, recommend release of retention	●	●	●	●
Provide information to the City/Client	●	●	●	●
Review and negotiate progress pay request with Contractor	●	●	●	●
Coordinate transition of project to maintenance/commissioning	●	●	●	●
Coordinate training sessions	●	●	●	●
Conduct coordination meeting with owners and businesses	●	●	●	●
Construction Closeout: Final inspections, coordinate corrections of work, determine substantial completion, final progress payment, obtain lien release, file "notice of completion," secure guarantees, issue substantial completion, coordinate start-ups, deliver manuals and parts, collect as-built data, recommend release of retention	●	●	●	●

## KEY PERSONNEL

Full project team resumes to follow in Appendix A.



**Rick Farr, CCM**  
**Principal-In-Charge/Area &  
Construction Manager/Constructibility  
Review**

- Certified Construction Manager
- 30+ years of experience
- 15+ years construction management & inspection experience
- Experience working with Huntington Beach



**Terry Krie, NACE 2**  
**Project Manager, Administrative, QA/  
Inspection, Third-Party Review, Coating,  
Electrical / Instrumentation Inspector**

- 38+ years of experience
- Experienced construction manager and inspector
- Experience working with Huntington Beach and coastal communities



**Stefan Toth, PE**  
**Scheduler**

- Professional Engineer
- 29+ years of experience
- Over two decades of experience on water, infrastructure and transit



**Joshua Koelle**  
**Inspection**

- 24+ years of experience
- Public works, heavy civil infrastructure and facility project expertise.
- Experience working with Huntington Beach

## SUBCONSULTANT QUALIFICATIONS

Our partners bring additional expertise with local agency and geographic experience as-needed, providing backup and depth of resources to support this contract.

### Alliant Consulting, Inc.

#### Labor Compliance (SBE, MBE, WBE)

Alliant Consulting (Alliant) specializes in providing State and Federal Labor Compliance monitoring and enforcement services for more than 16 years. They are current with new regulation changes implemented by state and federal agencies to monitor and enforce labor compliance with contractors accordingly. This includes all of the State and Federal Davis-Bacon prevailing wage requirements, which will be enforced on the proposed projects within the City of Huntington Beach.

### Rockwell Construction Services

#### Electrical / Instrumentation Inspector

The individuals at Rockwell Construction Services (RCS) have played a key role in the construction, start-up, commissioning and close-out on several hundred projects over the 35 plus years that they have been involved in the water/wastewater industry. Their involvement with the industry was originally as an electrical contractor. Over the past 15 years they have provided electrical, instrumentation and control construction management services as a consultant. They have provided services on many City projects.

## Approach for Addressing the Work

### Construction Management

Construction management is necessary throughout a project's pre-construction, construction and post-construction phases and a quality project is the result of good planning and execution through all phases. From constructability through closeout in the project life cycle, our Area/Construction Manager Rick Farr, CCM will assure that task budgets are maintained, deliverables are on schedule, staff meets your expectations, and that high-quality work is produced. For tasks greater than \$30,000, Arcadis will provide a proposal with an approach to the scope of work, cost estimate and project schedule. Once awarded, we will update the City monthly, or as required, to meet the project needs.

### Meeting Your Needs

Our Project Manager Terry Krie will meet with you regularly to understand the needs and expectations of current and future projects and to deliver the right resources, as-needed. For future tasks, he will present resumes for staff selected and schedule interviews when requested. Arcadis also maintains a pool of resources that have the flexibility to work on part-time or short duration projects. We know public works infrastructure and will efficiently execute the tasks identified in the CIP.

The response in this section addresses the three scopes of services (construction management, inspection and labor compliance) and the subtasks outlined in the RFQ, which demonstrates our familiarity with construction management standards, procedures and regulations.



### Construction Management

Arcadis will engage in constructability reviews to produce trouble-free construction projects. Our process will verify that the design documents make sound construction sense, have proper discipline coordination, and a contractor can bid and build the project in the time allowed. The result is cost savings through reduced change orders and improved use of time. Every phase of design benefits when the time is taken to evaluate the documents from a constructibility perspective. Arcadis will focus on consistency and completeness of the documents, general conditions, coordination of design disciplines, difficult or awkward details and construction tolerances, site restrictions, and equipment procurement times.

Arcadis will review permits and maintain status and expiration by agency, contact person, party responsible for action, and required fees. Permit requirements will be reviewed prior to construction and verified during the work. Permit requirements will be coordinated with specifications and appropriate staff will be notified of planned work.

**Key personnel, including Rick Farr, Terry Krie and Joshua Koelle, provided construction management**



**and inspection services for the 2018-2021 Huntington Beach On Call Construction Management Services for CIP projects.**

Arcadis assures permit stakeholders interests are delivered. Arcadis will produce pre-construction meeting agenda, manage the meeting and produce meeting minutes. This is a great opportunity to build a cohesive team relationship with the contractor, project team, permit stakeholders, set expectations for all parties, and elevate necessary issues with importance. Arcadis will establish control and set clear expectations early for deliverables and assure existing conditions and permit provisions are adhered to. Arcadis will coordinate construction activities with stakeholders and provide information to the City.

Documentation requirements will be established prior to the start of a construction project. Accurate written documentation of events of the project will add tremendous credibility to any testimony, opinion or evaluation of any issue that may arise. Complete records are a must when evaluating and negotiating the contractor's requests for additional time and compensation. Our professionals have been trained to guard against the adage: "If it is not written, it did not happen."

As correspondence and documents are received, they are date stamped and logged, scheduled a response date, assigned reference numbers, distributed to review staff, and tracked for progress. Project records will be maintained at the project site and our Irvine office until project completion.

Arcadis will provide detailed status reports which include an overview of the project accomplishments, issues with actions and results, planned tasks for the following period, and future objectives. We will review lab, shop and mill test reports and verify compliance with the project documents. Items of Engineer concern will be transmitted for their review and acceptance. Arcadis will communicate between contractor and consultant, payment applications, change orders, weekly statement of working days and affidavits, using Drop Box and/or the document control system that the City prefers.

**Our expedited process saves time. We will coordinate with the design engineer, inform them of necessary events, and copy them on requested correspondence, RFIs, and submittals to review. Arcadis will also coordinate with the City and other departments for start-ups, shutdowns, and tie-ins, to successfully execute the project.**

Arcadis and Alliant Consulting recognize the dilemmas that California public agencies are facing in becoming compliant with State labor laws to receive their proper funds from State bond and grant programs. Alliant Consulting will provide third party labor compliance consultant services to actively initiate and enforce labor compliance on behalf of the City when local and state funds are involved on construction projects.

Arcadis and Alliant will meet with contractors immediately after the Notice to Proceed to set clear expectations and define the deliverables.

Arcadis will administer the project in accordance with the project documents, the Standard Specifications for Public Works Construction (SSPWC), the City's procedures and standard plans. Our project team possesses full suite of administrative services to manage public works, as well as including installation of pipelines, pavement, curb and gutter.

RFIs will be logged and responded to in a timely manner to execute the work. Questions which may affect the design will be sent to the design engineer for review. Arcadis will provide contractor direction when the decision does not affect the design and cost savings. Arcadis will conduct weekly project meetings and special meetings as required. Minutes will be kept with action items and due dates and closed out after completed. Team members will be copied on the minutes and given opportunity for corrections. Safety, environmental, schedule and public outreach topics, will lead the meeting agenda ahead of technical old and new business. The previous week's work will be as-built on the two-week look ahead schedule to reflect the work as it occurred. Planned QA/QC activities to support the two-week schedule will be discussed and planned.

Our project manager will meet with the project inspection team as-needed to coordinate or as required, to coordinate planned activities, assure approved submittals precede the work, contractor QC testing is understood and implemented, and any QA testing by the City is completed per the specifications.

Arcadis will consistently communicate openly and effectively with all parties. We will develop and implement a shop drawing matrix before construction to identify responsible and interested parties to receive all submittals.

Shop drawings will be received, logged and forwarded for review of conformance to the plans and specifications. Comments will be received, collated and issues will be resolved prior to sending responses back to the contractor. We will coordinate with the design engineer, inform them of necessary events and copy them on requested correspondence/submittals to review. Arcadis will also coordinate with the City and other departments for start-ups, shutdowns and tie-ins, to successfully execute the project.

By actively monitoring the baseline schedule and monthly updates and tracking progress in the daily inspector reports and the as-built schedule, we can assist the City in avoiding claims. The monthly schedule analysis will include potential delays and provide recommended actions to maintain schedule and contract document compliance. We will establish claim documentation needs and strategize efforts to mitigate potential claims and assist with documentation, management and settlement of claims.

**Should claims service be necessary, our scheduler works seamlessly with our Contract Solution Team to manage and assist with claims.**

Traffic control devices will be checked against the approved traffic control plans and any deficiencies will be corrected immediately. Traffic routes and detours will be monitored and driven regularly to assure the patterns are effective.

Arcadis will coordinate and schedule with the City surveyor to verify construction benchmarks, provide survey control, QA spot checks, and provide survey for project layout, when requested.

Property corners and benchmarks will be located and tied off, protected by the contractor, or replaced and submitted to the City for recording.

Arcadis will coordinate testing and special inspections required for the project. These services include geotechnical testing and observation inspections, concrete/rebar placements and specimen testing, mortar cubes, bolting, welding, corrosion, and coatings. We will monitor all QC testing by the contractor and review submitted test results for conformance to the contract.

### Scheduling/Analysis

Arcadis uses Primavera and Microsoft Project scheduling software to identify added or removed activities, logic revisions, and changes in activity durations. Each change is questioned and must be justified before the payment application and update can be approved.

No change in logic will be allowed, which will impact the total float or critical path in any way detrimental to the overall project completion or cost, without City approval. The monthly report will include an analysis of potential project delays and provide recommended actions to maintain schedule and contract document compliance. Our scheduler will work with the Contractor when the project slips more than 14 days or when issues arise out of conflicts.

When cost-loading schedule activities, we can forecast the anticipated installed value of each project element across the duration of the construction effort.

This cash flow projection can be used to plan anticipated expenditures and to provide you with an additional tool to evaluate the performance of contractors. Submitted pay requests will be reviewed monthly and negotiated as required to approve installed quantities.

### High quality work products protects the City's interest.

Project cost management includes initial cost estimating and baseline budget development as the project scope and schedule are defined, followed by continued cost monitoring and control during project execution.

Arcadis will review Requests for Information (RFI) and understands that changes are necessary and that change orders may result in delays and additional cost. Change orders can arise from a variety of reasons such as unforeseen conditions, design changes, errors, or omissions, changes initiated by the owner or the contractor, and may result in adjustments to contract price and time. We deliver a proactive, collaborative approach to process the preparation, approving, and negotiating of change orders to minimize delays and keep the project moving forward.



Assembling the passenger boarding bridge for the Port Pavilion on Broadway Pier

### Documentation and compliance with strict labor laws secures proper funding from local and state funds.

Redline as-built drawings maintained by the inspector will be checked against the contractor set to verify compliance upon progress pay requests. In closeout, Contractor's drawings will be delivered to the engineer for record drawing preparation. The project team will maintain their original set to back check the Engineers work product, prior to submittal to the City.

Arcadis will provide assistance during the testing, commissioning and startup periods by working with equipment vendors to transition projects to City staff. Shut downs for tie-ins will be coordinated with City staff and applicable LOTO's will be implemented with the contractor. Arcadis will coordinate training activities with City staff and vendors and assure materials are well prepared for the attendees.

Arcadis will communicate and coordinate construction tasks with property/business owners to keep them informed of construction activities and mitigate issues of their concern. Arcadis will coordinate construction closeout activities by finalizing inspections, determine substantial completion and provide notice of substantial completion, process final payments, obtain lien releases, file "Notice of Completions", transmit guarantees to the City, coordinate commissioning and start up activities, deliver operations and maintenance manuals and spare parts, collect and turn over as-built data, and recommend release of final retention.

All project documents will be assembled and delivered the City along with a transmittal letter itemizing the documents transmitted.



## Inspection

**Our proposed Inspection and QA Lead Terry Krie understands the relationships and needs of all stakeholders. He brings an owner's perspective and will have your interests in mind. He has also worked within the City on multiple on-call tasks, pump stations, pipeline projects, permits, emergency repairs, and has always maintained a strong and trusted relationship with the City of Huntington Beach.**

Inspectors will review all contract documents, attend the pre-construction meeting, verify SWPPP is in place and effective, monitor haul routes and enforce fugitive dust requirements. A bound field diary will be maintained for field documentation of contractor compliance, progress and issues, and acceptance of the work per the contract documents. A digital photo record will be detailed to show existing conditions, changed or disputed conditions, work removed and replaced, completed, and extra work. The daily progress report will include weather conditions, names and quantity of staff on site, equipment used and idle, work completed and problems encountered.

Reports will be provided to the City with progress completion estimates and will be detailed enough to reproduce time and material activities. Redline drawings of as-built conditions will be maintained as to construct the project.

QA is the joint responsibility of Arcadis and our subcontractors. QC is the responsibility of the contractor. Arcadis QA/QC Program includes an Inspection Test Plan (ITP) template customized for each project and identifies all required tests, inspections and hold points by each party. ITP's are reviewed at weekly QA meetings with the project team to assure the project meets all specified criteria. Non-compliance issues are addressed and brought to the contractor's attention for correction. Quality will be discussed at weekly progress meetings and any work that is not in conformance will be followed up with an action plan to either bring the work into conformance or remove the work and reconstruct it to meet the requirements of the contract documents.

Arcadis will provide construction management and inspection for infrastructure, buildings, environmental, safety, electrical, mechanical, instrumentation, equipment testing, commissioning and startup as needed.

QA/QC activities confirm that all deliverables meet the client's specified quality standards and requirements and applicable industry standards. Our QA activities for this contract will have oversight by the Inspection and QA Lead Terry Krie, who served the Orange County Sanitation District for 25 years as the Senior Supervisor of the Quality Assurance Division managing up to 30 inspection staff through their 2.8 billion-dollar CIP program and multiple smaller programs.

## Labor Compliance

Arcadis and Alliant Consulting recognize the dilemmas that California public agencies are facing in becoming compliant with state and federal labor laws to receive their proper funds from state and federal bond and grant programs. Alliant Consulting will provide third-party labor compliance consultant services to actively initiate and enforce labor compliance on behalf of the City when the state or federal funds are involved on their construction projects. Elements include managing prevailing wage issues, Davis-Bacon compliance, responding to DIR inquiries, administrative and investigative support, apprentice reviews, and review of submitted payrolls.

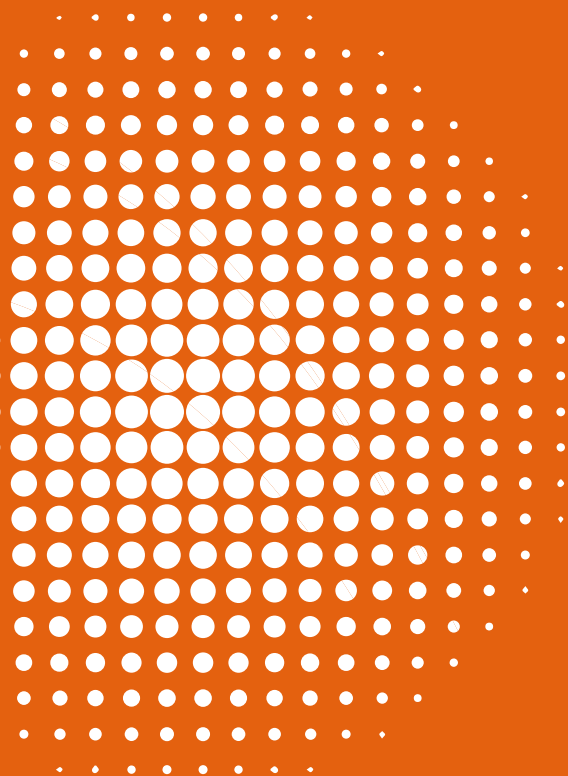
Alliant will provide successful prevailing wage labor compliance by conducting pre-bid and pre-construction conferences, and detailing the prevailing wage requirements and enforcement responsibilities. During construction, Alliant will collect and review weekly certified payroll to ensure full compliance with prevailing wage mandates, notify contractors of discrepancies when found, and resolve all outstanding issues.

Weekly on-site interviews will be conducted, interview data is cross-referenced with payroll and all underpayments, and clerical issues will be resolved. Alliant will conduct full audits of wage rates, classifications, training and fringe benefit payments for both union and non-union contractors to ensure proper payment of prevailing wage to all workers and enforce apprentice law.



# Appendix A.

## Resumes





## Richard Farr, CCM

### Principal-In-Charge/Area & Construction Manager/ Constructibility Review

#### Key Information

##### Education/Qualifications

- Construction Quality Management for Contractors, U.S. Army Corps of Engineers
- Pipe Welding API 5& 6G, Lincoln Electric, Cleveland, Ohio
- Electrical Motor Control, Palomar College

##### Years of Experience

Total – 30  
With Arcadis – 10

##### Professional Registrations/ Certifications

- Certified Construction Manager (CA)
- Certification for Welding (D-1.1 & API, ASME Section 9)
- EM-385 Safety Certification
- General Engineering Contractors, License #1021713

Mr. Farr has more than 30 years of experience in the construction industry including experience as a journeyman, superintendent, contractor's project manager, resident inspector (RI), resident engineer (RE), construction manager (CM) and general engineering contractor. His hands-on construction experience includes work as a laborer, ceramic tile contractor, pipeline welder, structural welder, backhoe operator and excavator operator. His public agency RI, RE and CM experience includes inspection of the work, coordinating special inspections and testing, tracking time and material work, chairing weekly jobsite meetings, processing, and tracking RFIs and submittals, evaluating and negotiating change orders, reviewing contractor schedules, and reviewing applications for payment. Mr. Farr's in-depth contractor experience and experience representing public agencies offers agencies a unique understanding of the construction process and broad construction management skills to assist public agencies to achieve successful projects.

#### Relevant Experience

##### Port of San Diego North Embarcadero Visionary Plan (Phase 1)

San Diego Unified Port District, San Diego, CA

Arcadis provided construction and project management services for Phase 1 of the North Embarcadero Visionary Plan (NEVP). NEVP is a comprehensive, long-term land use plan with the goal of turning the San Diego waterfront into a diverse and active area that reconnects the city and the surrounding neighborhoods. Phase 1 involved road regrading and paving, road realignment, utility relocation, construction of an accessible linear park, various gardens, a promenade for pedestrian and bicycle use, two pavilions, a public restroom, a stormwater drainage system using infiltration, and energy-efficient lighting. An information building, a cafe and several kiosks were built underneath the pavilions. Mr. Farr's role as a CM and project RI included: inspection of the work, review of submittals and RFIs, field coordination, correspondence, coordination of special inspections and testing, coordination with Public Utilities and review of as-built drawings.

##### The Port Pavilion on Broadway Pier (formerly Broadway Pier Cruise Ship Terminal)

San Diego Unified Port District, San Diego, CA

Mr. Farr was the project senior inspector for the construction of a cruise ship terminal on Broadway Pier in San Diego Harbor. The project involved the seismic retrofit of an existing pier built in 1913 and construction of the 52,000-square-foot, two-story terminal building on top of the pier. The building included an elevator and an escalator which were installed through the pier deck and provided with steel framed pits suspended from pier deck beams. The \$3.5 million seismic retrofit to the pier consisted of fusing together a joint between two pier segments, reinforcing the pile-to-pier-deck connections and installing lead-rubber bearings on top of batter piles. The project included the design, fabrication and erection

of a \$2.1 million mobile passenger boarding bridge, articulated to meet the unique locations of cruise ship hatches and automated to track ship motion caused by swells and tides. The project included two separate photovoltaic systems, one for the Port and the other for San Diego Gas & Electric, sterile facilities for U.S. Customs and Border Protection (CBP), access control, a surveillance system for the Port and a secure surveillance system for CBP. Upon completion it is anticipated that the project will receive a LEED Silver certification. Mr. Farr's duties included inspection of the work, review of submittals and RFIs, field coordination, correspondence, coordination of special inspections and testing, and review of as-built drawings. Mr. Farr worked with the Port's operations and maintenance staff to ensure their requests were considered when unforeseen conditions required changes. He coordinated installation of IT systems for both CBP and the Port, and he coordinated installation of cruise ship terminal signage provided under a separate contract. Finally, Mr. Farr oversaw completion of punchlist work.

#### **On-Call Construction Management/ Engineering/ Inspection Support Services**

**City of San Diego, San Diego, CA**

Mr. Farr was the project program manager. The primary responsibilities of the construction management firm (CMF) is providing staff augmentation, on an as-needed basis for the Public Works Department Field Engineering division for types of projects such as, water and wastewater pipeline projects, buildings, bridges, roadway paving, process facilities and site work. The Arcadis team provides construction management services on an as-needed basis to supplement PWD FE's own staff. A task is provided by the City for each project from the overall Master Service agreement. Currently Arcadis is providing REs for six projects with a combined construction value of over \$90 million.

#### **On-Call Construction Management/ Engineering/Inspection Support Services**

**Caltrans District 11, San Diego, CA**

As subconsultant, provided resources to Caltrans on an on-call basis to supplement agency staff for REs, RIs, schedulers and claims consulting. He was the Point of Contract for Arcadis and was responsible in providing and monitoring those resources provided to Caltrans District 11.

#### **Hale Avenue Resource Recovery Facility (HARRF) Primary Treatment Building and Odor Control Modification Project**

**City of Escondido, Escondido, CA**

Principal-in-charge for this project. The HARRF receives and treats wastewater from residential, commercial and industrial properties in Escondido. Under an agreement with the City of San Diego, the HARRF also processes wastewater received from Pump Stations 77A and 77B located in Rancho Bernardo. Designed to treat a flow of 18 mgd, the HARRF is an activated sludge, secondary treatment facility, which operates 24 hours per day.

#### **Bushard Trunk Sewer Rehabilitation I-2-4A Project**

**Orange County Sanitation District, CA**

RE and QA/QC manager for construction of the I-2-4A Project. The work involved the installation of a 108-inch RCP in Bushard Boulevard extending from Plant 2 to the connection at the diversion structure located at the intersection of Ellis Avenue and Bushard Boulevard. As the Resident Engineer for the project, coordinated and implemented multiple traffic control plans with the cities of Huntington Beach and Fountain Valley.

# The Construction Manager Certification Institute



## Certified Construction Manager

**Richard T. Farr Jr.**

has voluntarily met the prescribed criteria of the CCM program with regard to formal education, practical experience and demonstrated capability and understanding of the construction management body of knowledge. The aforementioned individual has met the professional standards and demonstrated a commitment to providing the highest level of quality professional construction management services.

2056

CMCI #

A handwritten signature in black ink, appearing to read 'R. D. G. Jr.', is written over a horizontal line.

CMCI Board of Governors Chair



May 2011

Certification Date

May 2023

Valid Through



## Terry Krie, NACE 2

### Project Manager, Constructibility Review, Inspection Electrical I & C

#### Key Information

##### Education/Qualifications

- AA, Building Inspection, Technology

##### Years of Experience

Total – 38

With Arcadis – 4

##### Professional Registrations/Certifications

- Coatings Inspector 2- CIP 2
- Ameron PVC Lining Certified Installer
- NASSCO Certification - CIPP & MACP

##### Professional Associations

- WTSI Women's Transport Sem Intl
- American Society of Civil Engineers
- ACE Mentor Program
- U.S. Green Building Council
- AACE International
- Construction Management Association of America (CMAA)

Mr. Krie has over 38 years in the construction industry with a background as a pipefitter/welder, foreman and general foreman. He fully understands the role of contractors, subcontractors and vendors. As a construction manager, he uses his construction experience for early identification and resolution of issues while maintaining respectful contractor relationships. His project experience includes roadway, process treatment and building projects as well as utilities relocations for municipalities. He is knowledgeable about building codes, the Greenbook, Caltrans Manual on Uniform Traffic Control Devices, OSHA and stormwater pollution prevention requirements for construction projects, as well as inspection requirements to achieve contract compliance. He served as a senior construction inspection supervisor for the Orange County Sanitation District. In this role, he provided design, quality and constructability reviews on hundreds of projects for the District's \$2.8-billion capital improvement program. He also provided QA supervision of up to 30 Inspectors, had oversight on infrastructure improvement and rehabilitation projects, and implemented QA policies, procedures and forms for the District's construction manual.

#### Relevant Experience

##### Graham Alley Reconstruction

City of Huntington Beach, Huntington Beach, CA

##### West Orange County Water Board Pipeline Relocation

City of Huntington Beach, Huntington Beach, CA

##### Murphy Park Reconfiguration Project

City of Huntington Beach, Huntington Beach, CA

##### SJ-126 Safety Program Implementation

Orange County Sanitation District, Fountain Valley, CA

Constructibility QC manager assisting with the planning and design on over 800 safety improvements at treatment plants 1 and 2. The program included 21 projects, each with separate designs, solicitation, bidding and construction contracts.

##### Plant 134 Booster Station and Waterline Upgrade

East Valley Water District, Highland, CA

CM for Plant 134 booster station upgrade. The project included furnishing, installing, start-up and testing of pumps, mechanical piping and appurtenances, flow control valves, motor control centers, variable frequency drives and controls, electrical and instrumentation wiring and interconnections.

### **Odor Control**

Orange County Sanitation District, CA

Completed the rehabilitation and renovation of primary sedimentation basins (circular clarifiers) at Plant No. 1 in preparation for covering those basins for odor control. Covering of all primary sedimentation basins at Plant No. 1 and Plant No. 2 with Temcor geodesic domes for odor control, including the installation of air handling and scrubber equipment on all primary clarifiers to contain and reduce odors at both treatment plants.

### **Various Projects**

Orange County Sanitation District, Fountain Valley, CA

Oversaw and provided input into construction and constructibility for public works construction and maintenance projects. Provided construction oversight review during the design stage of projects. Oversaw and reviewed detailed designs from in-house professionals to outside design consultants for design projects. Provided detailed support to Engineering Planning and Design Divisions and Maintenance Facilities Engineering Division. Provided detailed input to construction project managers and resident engineers during the construction phase of public works projects.

### **Activated Sludge Improvements**

Orange County Sanitation District, CA

Expansion of the activated sludge compressed air secondary treatment facility at Plant 1, adding a new large roots blower, extending the compressed air piping with corrosion resistant piping, replacing all of the air diffusers and rehabilitating the existing facility.

### **Digester Rehabilitation**

Orange County Sanitation District, CA

Extensive digester rehabilitation at both Plant No.1 and Plant No. 2 involving structural repairs, adding improved high rate mixing pumps to all anaerobic digesters, adding improved digester gas collection piping and equipment, cleaning of digesters, and various spray-on and mechanically attached lining systems to extend digester life and efficiency.

### **Secondary Clarifier Rehabilitation**

Orange County Sanitation District, CA

Completed the rehabilitation of rotating and structural mechanisms, replacement of sweep arms, and rehab of filter media for one of the secondary treatment trickling filters at Plant No.1.

### **Solids Thickening at Plant 2**

Orange County Sanitation District, CA

Upgraded four DAFT systems to enhance solids and remove grit to the digesters.

## Details



### Terry Krie

**NACE Coating Inspector Level 1 - Certified** (20381)

**Valid through:** 2021-11-01

**NACE Coating Inspector Level 2 - Certified** (20381)

**Valid through:** 2021-11-01

Close

# *Certificate of Completion*

INSPECTOR TRAINING & CERTIFICATION PROGRAM©

FOR CIPP

THIS CERTIFICATE IS AWARDED TO

**Terry Krie**

IN RECOGNITION OF THE COMPLETION OF THE  
INSPECTOR TRAINING & CERTIFICATION PROGRAM© FOR CIPP.

INSPECTOR NUMBER: CIPP-1008-0084



*Mark J. DeBora*

Signature Theodore DeBoda, PE, Executive Director

10/13/08

Date

NOTE: THE INSPECTOR IS NOT AN EMPLOYEE, AGENT OR PARTNER OF NASSCO. THE INSPECTOR ACKNOWLEDGES AND AGREES THAT NASSCO DOES NOT SUPERVISE OR CONTROL THE INSPECTOR AND THAT NASSCO SHALL NOT BE RESPONSIBLE FOR ANY ACTS OR OMISSIONS OF THE INSPECTOR.

# *Certificate of Completion*

INSPECTOR TRAINING & CERTIFICATION PROGRAM©

FOR MANHOLE REHABILITATION

THIS CERTIFICATE IS AWARDED TO

**Terry Krie**

IN RECOGNITION OF THE COMPLETION OF THE  
INSPECTOR TRAINING & CERTIFICATION PROGRAM© FOR  
MANHOLE REHABILITATION.

INSPECTOR NUMBER: MR-415-01000247



*Mark J. DeBora*

Signature Theodore DeBoda, PE, Executive Director

5/22/15

Date

NOTE: THE INSPECTOR IS NOT AN EMPLOYEE, AGENT OR PARTNER OF NASSCO. THE INSPECTOR ACKNOWLEDGES AND AGREES THAT NASSCO DOES NOT SUPERVISE OR CONTROL THE INSPECTOR AND THAT NASSCO SHALL NOT BE RESPONSIBLE FOR ANY ACTS OR OMISSIONS OF THE INSPECTOR.



## Stefan Toth, PE

### Scheduler

#### Key Information

##### Education/Qualifications

- BS, Civil Engineering, University of Massachusetts Lowell, 2001
- AS, Civil Engineering, Technology Vermont Technical College, 1995

##### Years of Experience

Total – 29  
With Arcadis – 2

##### Professional Registrations/ Certifications

- Professional Engineer – MA, NH
- Licensed Designer of Subsurface Systems in New Hampshire

##### Professional Associations

- Project Management Institute

Mr. Toth is a senior scheduler and project control manager with over two decades of experience on infrastructure, transit and water projects. He has served as a master schedule to develop and maintain a cost loaded integrated program master schedule for various clients. His wide range of experience allows thinking outside the box and uses his experience for dispute and claim avoidance. Mr. Toth has worked in the public and private sector providing valuable experience to work with clients in understanding their process and optimizing efficiency. He is adept at developing standards, procedures, training, claims and dispute resolution strategies. He is skilled in the use of Primavera P6 scheduling software to plan schedules and activities for multiple construction project types.

#### Relevant Experience

##### Capital Improvements Program (CIP) Master Schedule

City of Huntington Beach, Huntington Beach, CA

The CIP is prepared with the annual budget process. Proposed projects are submitted to the Public Works Department and staff compiles the documents and prepares the draft program in conjunction with City Administration. The Planning Commission reviews the CIP to ensure conformance with the General Plan. The final CIP is adopted by the City Council with the budget. Arcadis worked with the Public Works Construction Manager and their team to develop and maintain the projects to be considered for each fiscal year CIP. The master schedule includes project in design and construction for the following department: Community Services, Library Services, Fire, Police, Public Works and Information Services. The master schedule tracks the progress and costs by funding source of each Project from Phase 1 – Project Initiation to Phase 2 – Planning to Phase 3 – Design-Plan check-Bid & Award to Phase 4 Construction. This collaboration between the departments and their project status for each fiscal year CIP allowed the City Mayor's office to make informed decisions on whether a project is ready to proceed into design and construction or the project to be eliminated or pushed to the next fiscal year.

##### Elsinore Valley Municipal Water District (EVMWD) Regional Water Reclamation Facility (RWRf) Upgrades Project (Wo 75946)

Lake Elsinore, CA

This \$36.8-million lump sum design-bid-build project was awarded to Flatiron Construction in November 2019. The project is located at 31315 Chaney Street in Lake Elsinore, California. This project provides upgrades and expansion of RWRf from an existing capacity of 8 to 12 mgd. Construction includes Clarifier No. 6 secondary equalization, off-spec and stormwater ponds; filter effluent diversion structure and off-spec water return pump station; and operations building expansion and retaining wall. and miscellaneous improvements upgrades and modifications to the existing operations building. This is a 548 calendar day project. Mr. Toth provided construction scheduling and claims services support

for this project. These services include review of contractor's baseline schedule submittals, schedule updates and schedule revisions. Provided an analysis with a review report of the contractor's Time Impact Analysis (TIA) with recommendations on apportioning the delay days as compensable and non-compensable.

### **IEUA – RP5 Expansion**

Inland Empire Utilities Agency, CA

Arcadis provided on-site construction management services and project controls scheduler services. These services include the analysis and review of the contractor's project controls schedule (PCS) construction schedule to verify compliance with the project contract and performance specification. Tasks performed included, analysis of the PCS construction schedule, including leading schedule performance indicators, forensic investigations of submitted time impact analysis, and preparation of monthly PCS schedule analysis and compliance reports.

### **I-5 North Coast Corridor Segment 1 (CMGC) (11-2T2174)**

California Department of Transportation District 11, San Diego, CA

The I-5 North Coast Corridor Segment 1 (Manchester Blvd/San Elijo Lagoon Bridge) is the first construction project in the CMGC program that includes the I-5 Express Lanes Project, coastal rail and transit enhancements, and environmental protection. This North Coast Corridor spans from La Jolla to Oceanside.

Segment 1 is a \$200-million, 920-workday project. The construction manager / general contractor (CMGC) is Flatiron/Skanska/Stacy & Wibeck. Mr. Toth provided construction scheduling and claims services for this \$200-million project. These services include review of contractor's baseline schedule submittals, schedule updates,

and schedule revisions. Analysis of the critical and near-critical paths and report any variance and driving activities. Provided an analysis with a review report of the contractor's TIA with recommendations on apportioning the delay days as compensable and non-compensable.

### **I-5 North Coast Corridor, Segments 2&3 (CMGC) (11-2T2184)**

California Department of Transportation District 11, San Diego, CA

This \$1.1-billion I-5 North Coast Corridor Program, which is a CMGC program with Flatiron/Skanska/Stacy & Wibeck that includes various highway improvements including 13 miles of new highway HOV lanes in San Diego. Segment 2&3 of the project consists primarily of median widening and outside widening work from Birmingham Avenue to Palomar Airport Road, on-ramp and off-ramp construction, sound walls, and various utilities. Mr. Toth provided construction scheduling and claims services for this project. These services include review of contractor's baseline schedule submittals, schedule updates and schedule revisions. Provided an analysis with a review report of the contractor's TIA submissions with recommendations on apportioning the delay days as compensable and non-compensable. Attended project meeting with the RE to review the schedule update and issues.

### **Routes 11,125,905 Freeway Connector Construction (11-2888U4)**

California Department of Transportation District 11, Otay Mesa, CA

This \$102-million design-bid-build was awarded in May 2019 to Skanska. The project consists primarily of the construction of freeway to freeway connectors and a four-lane highway facility for 905 Connector to Route 11, 905 Connector to 125 and Route 11 Eastbound and Westbound. This project provides the means to access

a new Border Crossing Facility to be constructed by others. This is a 575 workday project. Mr. Toth provided construction scheduling and claims services support for this project. These services include review of contractor's baseline schedule submittals, schedule updates and schedule revisions. Provided an analysis with a review report of the contractor's TIA with recommendations on apportioning the delay days as compensable and non-compensable.

### **Route 805 Sweetwater Bridge Widening (11-430184)**

California Department of Transportation District 11, San Diego, CA

This \$17.2-million design-bid-build for bridge construction is located in Chula Vista and National City 0.2 Mile South of Sweetwater River Bridge Route 805/54 Separation. The contract was awarded to Flatiron Construction in January 2019. This is a 710-workday project. Mr. Toth provided construction scheduling and claims services support for this project. These services include review of contractor's baseline schedule submittals, schedule updates and schedule revisions. Provided an analysis with a review report of the contractor's TIA with recommendations on apportioning the delay days as compensable and non-compensable.

## Key Information

### Education/Qualifications

- HS, General Studies, Apple Valley High School, 2002

### Years of Experience

Total – 24

With Arcadis – 3

### Professional Registrations/ Certifications

- Haz Mat Training
- OSHA 40-Hour
- NUCA Competent Person
- NUCA Excavation/Confined Space
- CPR
- EMT
- MSHA-40-Hour
- Competent Person Training

# Joshua Koelle

## Inspection

Mr. Koelle is an accomplished construction inspector with a proven success and excellent safety record delivering sophisticated and challenging projects, within budget and with zero safety or ethical breaches. Hands-on leader; consistently complete projects that earn a high profit margin and achieve all client requirements. Exceptional trouble-shooter—resolve the most complex challenges to achieve targeted goals and objectives meeting and exceeding client expectations. Proven success and proficient in the following areas: **(1)** Managed operations on projects ranging from \$1 to \$600 million; **(2)** Project and personnel safety is top priority; **(3)** Regulations/codes/procedures; **(4)** Project scheduling/budgeting; **(5)** Quality control and compliance; **(6)** Cost analysis and value engineering; and **(7)** Client /owner relations.

## Relevant Experience

### Sterling Natural Resource Center

Highland, CA

Responsibilities includes the following: **(1)** Oversee all operations onsite of construction of new WWTP; **(2)** Concrete and rebar placement, structural inspection slabs buildings and tanks; **(3)** Hydraulic, hydrostatic and air pressure testing; **(4)** Working with various pipe materials fiberglass, HDPE, stainless steel, ductile iron and C900; **(5)** Maintaining a safe working plan observation; **(6)** Installation of special epoxies in order to anchor many different pieces of equipment and brackets; **(7)** Anchor testing; **(8)** Oversight of excavations and compaction; **(9)** Steel building construction and proper placement of J bolts upon pre pour inspections; and **(10)** Weekly coordination between water district, contractors and engineers.

### Construction Inspector 4

Huntington Beach, CA

Responsibilities include the following: **(1)** Overseas all operations of wastewater & sewer pipe installations including jack & bore's, manhole installations of various sizes and depths.; **(2)** Testing procedures; **(3)** Overseas scheduling; **(4)** Trench shoring & excavation safety; **(5)** Previously trained in asbestos handling.

### Huntington Beach New Restrooms

Huntington Beach, CA

Responsibilities include the following: **(1)** Managed operations between the contractors and the City in order to complete the projects on time; **(2)** Interaction between public and construction; **(3)** Upheld stormwater control during the wet months; **(4)** Demo and complete rebuild and redesign of existing buildings; and **(5)** Safe working environment was upheld do to close contact with the public.

**Huntington Beach Well 1A**

Huntington Beach, CA

Responsibilities include the following:

(1) Coordinated with contractors and the city in order to demolish and replace an existing well; (2) Inspection of the project in it's entirety; (3) Building cmu construction; (4) Well equipment installation & plumbing; (5) Gas connection & piping; (6) HVAC installation; (7) Water tie in & start up; and (8) Chemicals processing.

**Huntington Beach Murdy Park**

Huntington Beach, CA

Responsibilities include the following:

(1) Overseas all operations of concrete specialized gaming processes, seeding, planting of trees, lighting and restoration; (2) Electrical inspection; (3) Stormwater management observation and action; (4) Irrigation installation; (5) Correspondents directly with the City; and (6) Safe work quality control plan.

**Foreman-Underground Utilities**

Southland Paving, Escondido, CA

Responsibilities include the following:

(1) Supervise all underground water and storm drain operations ensuring the finished product is delivered ahead of schedule and under budget; (2) Manage all equipment logistics on site and maintain accurate daily visual logs and coordinate necessary and preventative maintenance; (3) Operate heavy excavating equipment in critical areas that contain live utilities that must be protected in place and not disturbed; (4) Develop work plans and build budgets for future operations; and (5) Schedule utility outages and coordinate the proper labor and equipment for Tie-In operations that must be completed in the given amount of time during the respective outage.

**General Superintendent – State College Grade Separation Project**

USS CAL Builders, Fullerton, CA

Responsibilities include the following:

(1) Managed all field operations with zero accidents or injuries while maintaining the critical path; (2) Developed, maintained and improved upon the project Baseline Schedule from conception through the approved working schedule—updated weekly; (3) Coordinated with BNSF Rail Road daily to ensure the project was in compliance with the ever changing Form B protection and to ensure complete personnel safety for those working within rail road right of way given the constantly changing track and train traffic conditions; (4) Monitored and maintained traffic control throughout the entire job site by forming a designated and formally trained crew to maintain site traffic control and associated devices. Delegated new responsibilities and tasks daily as conditions changed and direction from the construction management team was given; (5) Developed training topics for daily pre-activity meetings to continually promote professional growth of members of the project team; (6) Provided advice and participated in the site safety program resulting in zero accidents and injuries as well as the majority of monthly safety walks ending with no negative comments and never any violations; and (7) Presented several design changes in the form of a request for information or a request for material substitution to the construction management team and the client resulting in an increase in constructability, cost savings and schedule improvements.

**Construction Manager – Irvine Great Parks Expansion Project**

USS CAL Builders, Fullerton, CA

Responsibilities include the following:

(1) Managed all grading and underground utility operations; (2) Developed and implemented the site specific safety program resulting in a

successful project with zero accidents, injuries or claims; (3) Developed the project schedule based on past project trends and careful planning in the pre-construction phase; (4) Executed the environmental protection plan at all times resulting in no violations throughout the entire project; (5) Maintained a healthy client/owner relationship resulting in trust and a high moral among project stakeholders; and (6) Continually trained and developed crew members to expand their knowledge and skill sets promoting professional growth.

**Foreman – Field Remediation Operation**

ERRG (Engineering Remediation Resource Group), Tustin, CA

Responsibilities include the following:

(1) Supervised the construction and placement of several underground utilities and drainage improvements to prepare hazardous sites for the remediation process; (2) Coordinate daily with environmental monitors to ensure the continued protection of sensitive areas on federally protected land; (3) Protected the project from receiving any notices of violation from any agency while working on federal land among a diverse group of individuals all with a different priority structure of importance; (4) Performed sub terrain excavations at the Port of Long Beach; (5) Operated heavy equipment during critical operations in environmentally sensitive and hazardous areas; (6) Managed multiple remediation operations simultaneously while maintaining total environmental compliance; and (7) Ensured the adherence to safety as top priority at all times and implemented a culture of zero ethical breaches.



## Key Information

### Education/Qualifications

- Rim of the World High School  
1998

### Years of Experience

Total – 21

With Arcadis – 4

### Professional Registrations/ Certifications

- Certified Construction Manager  
(CCM)

# Shawn Mione, CCM

## Construction Management

As a project manager/estimator in the civil engineering field for 21 years, Mr. Mione has overseen projects ranging from \$29-million private land development subdivisions to \$20 million job order contracts (JOC) for local public agencies. He has recent experience in municipal wet utility construction for sewers, water infrastructure and storm drains. The projects he has completed range from managing multiple subcontractors on the development of a 304-lot subdivision to emergency storm drain replacements to remedial grading of slope failures. He also has experience in light bridge construction. For example, he participated in a project involving construction of a pedestrian bridge to allow school children to cross a busy thoroughfare safely. Mr. Mione holds a State of California Class A Contractors License.

## Relevant Experience

### TIGER Phase 1 and 2 – Demolition of Transit Shed 1/2

San Diego Unified Port District, Tenth Ave. Marine Terminal, CA

Work performed under a federal grant project and included Hazardous Materials Abatement (Primarily Asbestos and Lead Based Paint); structural deconstruction; demolition and removal of transit shed No. 1, Bays 'A', 'B' & 'C', adjacent metal shed, and loading dock; recycling or legal disposal of all demolished materials; crushing of building concrete walls and foundation to be used as base material; excavation unclassified soil material and placing and grading soil material at District facility at an offsite location; water, sewer and electrical abandonment; electrical utility service upgrades, including 90-foot mast lighting, fire protection system, stormwater conveyance and quality BMP improvements, and site paving; CCTV camera installation; prefabricated modular restroom/office building; and other incidental items of work. Also included was installation of a modular office facility site improvements by the main gate, including site grading, retaining walls, water, sewer, electrical services, stormwater conveyance and quality BMP improvements.

### Avenida De La Playa Storm Drain Repair

City of San Diego, La Jolla, CA

A newly installed precast reinforced concrete box culvert had failed at the ocean outlet when a heavy storm, combined with high tides, caused the structure to lift and separate, creating road damage and threatening local business. Participated in a project that involved the removal of approximately 600 LF of existing culvert and replacement with a new 4.25- by 15.25-foot cast-in-place culvert. The project started the first of the year and was completed as required prior to Memorial Day.

**AC Water Group 1006 and Storm Drain Group 1006**

City of San Diego, CA

Participated in a “no plan” project that involved the removal of 12,800 LF of asbestos cement water main and replacement with new PVC water main. This project was unique in that it did not include any civil engineering plans. Instead, the contract included as-built drawings of the existing main as well as other utilities with the direction to “replace in place.” As part of the contract, the contractor also was required to provide survey information for the newly installed water main to create a post-installation plan.

**Alta La Jolla Storm Drain Replacement**

City of San Diego, La Jolla, CA

A failed storm drain system necessitated an emergency slope repair in a canyon below several homes. The failure led to a lawsuit between a homeowner’s association and the City of San Diego. Participated in the second phase of repair that started six years later, after the client had secured permits from the Regional Water Quality Control Board, Department of Fish and Wildlife and U.S. Army Corps of Engineers. Work involved remedial grading and installation of a new storm drain system, 2,290 LF of 18- to 48-inch reinforced concrete pipe and a low-flow bypass that served to maintain the newly installed wildlife habitat and added a water quality basin.

**Ted Williams Parkway Pedestrian Bridge Crossing**

City of San Diego, CA

Participated in the construction of a pedestrian bridge over Ted Williams Parkway, a busy thoroughfare. Shoal Creek Elementary School was located on the south side of the road and the majority of the students lived on the north side, forcing children and parents to cross the 55-mph road twice a day. By construction of the bridge the students were able to avoid using the cross walk. The bridge enabled the students to avoid the hazards of using the crosswalk. Bridge design features included cast-in-place post tension concrete, precast concrete girders and retaining walls and piles.

**Robertson’s Ranch East Village**

Robertson’s Ranch LLC, Carlsbad, CA

Participated in the development of a 304-lot subdivision on undeveloped raw land. Work involved grading and infrastructure improvements including roads, wet and dry utilities, and concrete flatwork, resulting in delivered pads for single- and multi-family housing. Another component of the project involved the widening of College Boulevard and Cannon Road, a publicly reimbursed project with a contract total of approximately \$5.5 million.

**Palomar Forum**

Lusardi Construction Company, Carlsbad, CA

Participated in construction of a large-scale business park that included the installation of sewer, water and storm drains up to 54 inches in diameter and associated site work as the pads were developed.

**Alga Norte Community Park**

City of Carlsbad, CA

Participated in the mass grading, storm drain and erosion control of Alga Norte Community Park. This was the Phase 1 of a municipal park project that took the raw land and performed the site grading and storm drain improvements.



## Certified Construction Manager

**Shawn Mione**

has voluntarily met the prescribed criteria of the CCM program with regard to formal education, practical experience and demonstrated capability and understanding of the construction management body of knowledge. The aforementioned individual has met the professional standards and demonstrated a commitment to providing the highest level of quality professional construction management services.

10223

CMCI #

*D.J. Mason III*

CMCI Board of Governors Chair



August 2018

Certification Date

August 2024

Valid Through



## Lauren Jentzen, PE, QSP

### Construction Management

#### Key Information

##### Education/Qualifications

- BS, Civil Engineering

##### Years of Experience

Total – 12

With Arcadis – 2

##### Professional Registrations/ Certifications

- Professional Engineer – CA
- Qualified SWPPP Developer (QSD)

Ms. Jentzen's 12 years of hands-on CM experience on civil infrastructure projects is reflected in her day-to-day interactions with the project team. She skillfully manages the construction team, providing technical leadership and guidance to staff to successfully deliver projects to the client. Ms. Jentzen has extensive experience performing construction management services, from pre-construction to commissioning, on various as-needed contracts for local clients, including the San Diego County Water Authority (SDCWA) and the City of San Diego. Ms. Jentzen seamlessly integrates with clients to maintain compliance with the project plans and specifications. She manages field inspections, document control, issues non-compliance reports, maintains photographic reports documenting construction activities and project closeout. She is a registered civil engineer in the State of California, Qualified Storm Water Practitioner and an Envision Sustainability Professional.

#### Relevant Experience

##### **Construction Management As-Needed Support Services Contracts, 2016-2021: Old Otay Mesa Road Improvements & 24-Inch Steel Transmission Main**

City of San Diego, CA

Served as the Construction Manager/Resident Engineer (CM/RE) on this \$13.8-million project. Her duties included handling all project correspondence from submittal reviews to request for information (RFIs), daily site inspections, conflict resolution and negotiation of all added scope or change order work due to unforeseen site conditions. As a Qualified SWPPP Practitioner (QSP) she handled all stormwater inspections and the related monitoring and compliance reporting. This roadway improvement project is in the City of San Diego's environmentally sensitive Multi-Habitat Planning Area (MHPA) with biological, paleontological and archeological resources. Project scope included the widening and realigning of an existing 26-foot-wide, two-lane, undivided road to a new 36-foot-wide modified two-lane collector in accordance with the City of San Diego Design Manual. The road widening was accomplished with over 9,000 square feet of soil nail wall installation and 38,000 square feet of mechanically stabilized earth (MSE) retaining wall construction. In addition to the roadway improvements, the project also included significant storm drain improvements with dedicated bio-retention area and site-specific re-vegetation efforts. Through her extensive coordination with the City's Public Utilities Department and general contractor she successfully negotiated the addition of 2,600 LF of 24-inch cement mortar lined tape coated, mortar coated (CML&TC&MC) pipe via change order. Through this collaboration and coordination, the City was able to include this future CIP project into the current project in order to minimize future construction costs and impact to the surrounding residents. Due to the magnitude of this project, she had a significant role in coordinating with all project stakeholders—namely SDG&E, AT&T, San Ysidro School District, Mayor's office, police and fire departments,

neighborhood HOA's and the numerous involved City of San Diego departments (PUD, Transportation & Storm Water and Public Works). One significant challenge was the presence of unknown soil contaminants. Worked closely with the project geotechnical team and the City's environmental group in order to implement a testing protocol to assist in the successful removal of the soil from the job site.

**Construction Management  
As-Needed Support Services  
Contracts, 2013-2018: Sewer Group  
Job 808, Sewer & Water Group  
Job 758 and Sewer and AC Water  
Replacement 787**  
City of San Diego, CA

Served at the CM/RE on various City projects that consisted of installing 8- to 12-inch water and sewer mains, services, laterals, hydrants, and manholes throughout densely populated City streets. She routinely coordinated existing main water shutdowns with the City's Public Utilities Department and worked extensively with the City's Public Information Officers to notify residents of potential impacts. The projects also included curb ramp installations, full width pavement overlays and slurry installation for final surface restoration. As the CM/RE, she performed all site inspections and coordinated materials testing through the City's test lab. Her duties also included pay application review and processing, monitoring labor compliance, change order negotiations and execution, and schedule reviews. Additionally, she led the closeout phase for each project including the delivery/review of as-built documents to the PM team, completing final walkthroughs and project acceptance with asset owner, obtained all manuals and affidavits for completion and also set the warranty schedule/inspection.

**Construction Management  
As-Needed Support Services  
Contracts, 2008-2011: Carlsbad  
Product Water Conveyance Pipeline**  
San Diego County Water Authority,  
Carlsbad, CA

Served as a RE on this \$159-million construction project, where 10 miles of 54-inch-diameter welded steel pipe was installed throughout the cities of Carlsbad, Vista and San Marcos to connect the Carlsbad Desalination Plant to the Water Authority's existing Second Aqueduct. Her responsibilities generally included coordination with project personnel; coordination/scheduling of field inspection; facilitating progress meetings; reviewing submittals and RFI's; preparing change orders and field orders; coordination of multi-discipline reviews and inspections; completion of non-compliance reports for deficient work; and claims resolution.

**Water Purchase Agreement for the  
Carlsbad Seawater Desalination  
Project Engineering Services**  
San Diego County Water Authority,  
Carlsbad, CA

Served as a project engineer to assist in ensuring compliance with the Water Purchase Agreement during design, permitting, construction, startup, acceptance testing and final completion of the Carlsbad Desalination Facility. This \$537-million construction project consists of a 50-mgd (56,000 acre-feet per year (AFY)) seawater desalination plant and the associated 10-mile water delivery pipeline. Responsibilities included review of Critical Path Method (CPM) schedules; on-site construction monitoring during construction; start-up, commissioning and acceptance testing; budget tracking; monitoring of record drawings; participating in progress meetings; and review of project design submittals, RFIs and change orders for compliance with the WPA.

**In-Plant and Field Inspection  
As-Needed Services**  
San Diego County Water Authority,  
San Diego, CA

Over the past six years responsible for managing two consecutive contracts, in excess of \$13 million, for the project's prime consultant and on-site technical services. Her responsibilities as the project manager included coordinating with the Authority's contract manager to resolve project issues; providing staff for various shop inspection assignments within U.S. and internationally; managing the budget and schedule for multiple task authorizations; conducting monthly budget status meetings; preparing and tracking budget requests for new authorizations; and interacting with the client. She coordinates requests for additional staff and travel authorizations, reviews daily inspection reports, and coordinates the resolution of issues with multiple project teams. As the project manager she also handled labor compliance with the Department of Industrial Relations (DIR) regulations and monitored the international inspection rates and respective per diems for travel.



## **BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS**

### **LICENSING DETAILS FOR: 81969**

**NAME:** JENTZEN, LAUREN TAYLOR

**LICENSE TYPE:** CIVIL ENGINEER

**LICENSE STATUS:** CLEAR 

**ADDRESS**

2664 GOBAT AVE  
SAN DIEGO CA 92122  
SAN DIEGO COUNTY

[MAP](#)



## Daniel Willis, PE

### Construction Management/Inspection

#### Key Information

##### Education/Qualifications

- BS, Civil Engineering, Syracuse University, 2008

##### Years of Experience

Total – 13

With Arcadis – 13

##### Professional Registrations/ Certifications

- Professional Engineer, CA C85484

Mr. Willis is a Professional Civil Engineer in the State of California with 13 years of experience in the construction and environmental industry, specializing in CM, project engineering, health and safety, and construction quality control management and inspections. Mr. Willis' hands-on CM and RE experience on water and wastewater infrastructure projects is reflected in his day-to-day interactions with the project team. He manages the construction activities progression by sharing his technical knowledge and leadership skills with team members to successfully deliver projects to clients. Mr. Willis has experience performing construction management services on the as-needed contract for the City of San Diego. His effective communication and management skills contribute to maintaining of project compliance with plans and specifications. His CM/RE experience includes inspection of work, coordination of testing, tracking time and material work, conducting progress meetings, pay application review and processing, RFI and submittal processing and tracking, and schedule review.

#### Relevant Experience

##### **Construction Management As-Needed Support Services Contracts (2016-2021: Sewer Group Job AN-1, Sewer & Water Group Job 1024, Pacific Beach Pipeline South & Caltrans Pacific Beach Pipeline Central**

**City of San Diego, CA**

Mr. Willis served as the CM/RE on various City Public Works Department projects that consisted of installing 8-, 12- and 16-inch water and sewer mains, services, laterals, manholes and jack-and-bore throughout densely populated City streets. He also worked as CM/RE on a sewer main and lateral rehabilitation project consisting of rehabilitating approximately seven miles of 8-inch mains and over 900 4-inch laterals. As CM/RE his responsibilities included managing and inspecting quality of work performed by contractors to ensure work performed and implemented in accordance with standards, contract documents, specifications, and plans. Mr. Willis is proficient in understanding requirements for enforcement of Standard Specifications for Public Works – City of San Diego ("Greenbook", "Whitebook", and Standard Drawings), OSHA Codes and Safety Standards, and traffic control plans. He has experience with community outreach and resident conflict resolution. He performed all site inspections, including pressure testing and compaction compliance, and coordinated materials testing through the City's materials test lab. His duties included pay application review and processing, monitoring labor compliance, field order tracking and execution, and schedule reviews.

**Potable Water Line Installation**

Oxy USA, Inc., Lathrop, CA

Provided project engineering/inspection field supervision and health and safety oversight for the trenching and installation of a potable water line. Excavated 1,800 feet of trench line through an active fertilizer manufacturing facility to connect facility to City of Lathrop water main. Due to the facilities approximately 100-year operational history, excavation activities were considered extremely high risk with many complexities. Responsible for developing a site-specific underground utility location and identification procedure detailing utility encountering response protocols. Performed onsite quality control inspections of all construction activities to ensure implementation was performed in accordance with construction/City of Lathrop specifications, approved plans, and drawings. Served as site safety officer by implementing health and safety plan and JSA program. Reviewed and approved submittals. Developed site-specific daily reports, weekly progress reports, and air monitoring logs. Maintained construction schedule. Responsible for client, tenant, and subcontractor coordination. Generated as-built figures based on geophysical survey results, pot-hole activities, and actual water line placement. Reviewed contractor invoices and lead progress payment discussions.

**Soil Excavation and Backfill of Contaminated Soils**

Department of Energy - SLAC, Menlo Park, CA

Provided construction QC management, health and safety oversight, project engineering/inspection field supervision, and project management support for the excavation of contaminated soil and construction of new parking lot. Responsible for coordinating with onsite SLAC health and safety

enforcement team as well as SLAC project manager. Developed detailed job safety analysis (JSA's), tracked near-misses, performed daily air monitoring of excavation for entry and perimeter monitoring, and collaborated daily with SLAC H&S officers to ensure work was being performed according to OSHA rules and standards. Assisted with coordination of materials submittals approval, implementation of air monitoring program, scheduling, budget control, and implementation of EM-385 standards.

**Loading, Transportation and Removal of Waste Material**

U.S. Navy, San Francisco, CA

Provided construction QC management, project engineering/inspection field supervision, health and safety oversight, and project management support for the removal of over 200,000 tons of waste materials including, but not limited to, soil, concrete, asphalt, drums and debris at Hunters Point Naval Shipyard. The waste designation for these materials included, but was not limited to, Class II non-hazardous, non-RCRA (California Hazardous), RCRA, and TSCA. Experience with managing, handling, and shipping multiple waste streams at a given time.

Responsible for ensuring work performed in accordance with project specifications, work plans, and EM-385. Assisted in the waste determination of material based on laboratory analytical analysis. Prepared daily reports, photo logs, reviewed analytical reports, profiles and manifests. Developed standard operating procedures and stockpile inspection checklist to strengthen the quality control and inspection program. Program resulted in better document management and insurance of proper waste disposal. Especially useful when shipping multiple waste streams and when multiple contractors are involved to ensure all parties are on the same

page. Responsible for preparing and presenting project summaries to the Navy and other contractors onsite as part of contractor integration. Conducted preparatory, initial, and follow-up phase checklist meetings, weekly QC meetings, and daily tailgate meetings as part of the Navy Quality Control Construction program. Developed JSA's, near-misses and implemented air monitoring program for personnel and community.

**Contaminated Soil Excavation and Installation of Dual Phase Extraction Treatment System**

British Petroleum, Oakland, CA

Provided project engineering/inspection field supervision and health and safety oversight for the excavation of contaminated soils and installation of an injection and dual-phase extraction treatment system. Performed onsite quality control inspections of all construction activities to ensure implementation was performed in accordance with construction/City of Oakland specifications, approved plans, and drawings. Served as site safety officer by implementing health and safety plan and JSA program. Implemented personal air monitoring program for personnel working in contaminated soil excavation area. Reviewed and approved submittals. Managed and oversaw waste material removal. Assisted in design and implementation of air monitoring program, including personal air monitoring and perimeter air monitoring. Developed site-specific daily reports, weekly progress reports, and air monitoring logs. Maintained construction schedule. Responsible for client, tenant and subcontractor coordination. Generated as-built figures based on geophysical survey results, pot-hole activities and system construction.



## BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

### LICENSING DETAILS FOR: 85484

**NAME:** WILLIS, DANIEL ROBERT

**LICENSE TYPE:** CIVIL ENGINEER

**LICENSE STATUS:** CLEAR 

**ADDRESS**

3162 VIA ALICANTE D  
LA JOLLA CA 92037  
SAN DIEGO COUNTY

[MAP](#)



## Key Information

### Education/Qualifications

- BS, Civil & Environmental Engineering, 1992

### Years of Experience

Total – 30

With Arcadis – 1

### Professional Registrations/ Certifications

- Professional Engineer – CA

# Nariman Khomamizadeh, PE

## Construction Management

Mr. Khomamizadeh has 30 years of experience in construction management and performed various roles, including lead resident engineer.

### Relevant Experience

#### Public Works Department, Materials and Test Lab / Field Division

City of San Diego, CA

Managed work of field technicians performing quality control testing and observation at the lab, in the field and manufacturing plants for CIP water and sewer, private developments, public utilities, public improvements and emergency projects. Perform the duties of Radiation Safety Officer (RSO) to oversee and ensure safe operation of the licensee's portable nuclear gauge program; perform detailed constructability review on CIP projects for lab services (QA); and conduct site meetings to discuss construction discrepancies with construction management teams.

#### Public Works Department, Water & Wastewater Construction Management / Field Division

City of San Diego, CA

Lead RE providing construction management for capital improvement projects, group jobs, including pump station, private developments (storm drainage, sewer and water, roadways, sewer pump station, etc.), ensuring that projects are executed efficiently, on budget, in accordance with the approved plans and specifications, and meets expectations of management and concerned community groups.

#### City of San Diego: GJ 1024

City of San Diego, CA

As the CMRE, duties included handling all project correspondence from submittal reviews to RFIs, daily site inspections, conflict resolution and negotiation of all added scope or change order work due to unforeseen site conditions and also stormwater related monitoring and reporting.

#### Planning and Development Review Department, Subdivision Section: Associate Civil Engineer

City of San Diego, CA

Plan, organizes and coordinate the development plan submittal, approval and permit issuance process. Supervise a group of engineering staff and intakes in processing and performing QA in reviewing private development plans; review of all engineering plans against tentative map and/or discretionary permit conditions prior to their distribution; review of all performance bonds, permit performance bonds and letter of credits for their accuracy prior to issuance of any permits or a notice to proceed; manage permit transactions; oversee customer relations between immediate staff and public; and conduct training classes to familiarize employees with permit process.




## BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

### LICENSING DETAILS FOR: 58526

**NAME:** KHOMAMIZADEH, NARIMAN

**LICENSE TYPE:** CIVIL ENGINEER

**LICENSE STATUS:** CLEAR 

**ADDRESS**

12252 BLANTON LN  
SAN DIEGO CA 92128  
SAN DIEGO COUNTY

[MAP](#)



## Key Information

### Education/Qualifications

- BS, Civil Engineering, San Diego State University, 2000

### Years of Experience

Total –22

With Arcadis – 4

### Professional Registrations/ Certifications

- AGC Advanced Management Program
- AGC Construction Project Management
- AGC Leadership in Construction

# Arnold Wingler

## Construction Management, Inspection, Constructibility Review

Mr. Wingler has 22 years of experience as a project and construction manager. His experience includes all aspects of planning, coordination, and execution for new construction, testing, start-up and permitting of facilities, scheduling, negotiation and management of claims, cost controls, change order management, owner/client relations, value engineering, design team management, coordination with jurisdictional agencies, project safety, public outreach, and project close-out. Additionally, Mr. Wingler has provided oversight for construction and inspection of earthwork, utility installation, reinforced concrete placement, wastewater treatment systems and civil works. Specializing in the conveyance and treatment of water and wastewater, he possesses the knowledge and experience required in construction, construction management, and construction inspection procedures and methodologies and has demonstrated independent and effective problem solving and team building throughout his career.

## Relevant Experience

### **Santa Rosa Regional Resources Authority WRFR Project Construction Management Services**

*Santa Rosa Regional Resources Authority, Temecula, CA*

Mr. Wingler and the Arcadis team are providing CM services for the Santa Rosa WRF Rehabilitation project. Scope of work includes rehabilitation of the existing headworks, grit chamber, sequential batch reactors, clarifiers, and digester, and new construction of a solids handling facility including aerated sludge storage, sludge thickening, sludge dewatering, solids loadout and SCADA upgrades. Arcadis provided technical and constructability review during project design phase, assisted with bid document development and the bidding process, evaluated qualifications of prospective bidders, and evaluated bids prior to award. Under Mr. Wingler's leadership Arcadis is providing CM, construction inspection, special inspection, managing the submittal and RFI process, providing scheduling services, managing the change order and payment process, and assuring regulatory compliance and compliance with funding agencies.

### **South Bay International WWTP Infrastructure Improvements**

*International Boundary & Water Commission, San Ysidro, CA*

Mr. Wingler provided professional CM services for the secondary treatment and RAS pump station expansion and equalization basins/pump station project to ensure that construction performed by the construction contractor conforms to the Contract for Infrastructure Improvements for the SBIWTP. Arcadis reviewed more than 380 submittals and resubmittals as part of the project. Arcadis also assisted the USIBWC in negotiating a significant change order for redesign and modification to the 12 kV electrical system feeding the existing dissolved air flotation (DAF) and new equalization basin facilities, including construction of an extension to the existing DAF electrical/control building to house new electrical equipment and addition of medium voltage substation.

Mr. Wingler ensured confirmation for the offsite facility Owner through onsite observation of construction, document reviews, and assembly of Contract documentation. Mr. Wingler led the Arcadis team and effectively managed the construction on a day to day basis including review and response to Contractor inquiries, response to questions during construction, attendance at and preparation of meeting minutes, schedule monitoring, labor interviews, and review of Contractor pay estimates.

### **Desert View Drive Emergency Storm Drain**

City of San Diego, La Jolla, CA

Responsible for project coordination, oversight, inspection and QC for the Desert View Drive Emergency Storm Drain project. Coordinated a multi-agency emergency permitting process to access a potential slope failure located on the East face of Mt. Soledad. Once access was permitted, coordinated the efforts of grading and geotechnical firms to perform both down-hole and traditional exploratory borings. Participated in constructability review and supervised a 15,000-cubic yard multi-shift import and engineered fill placement. All fill placements were coordinated with full time slope stability surveys to guarantee alluvial removals and excavation of keyways did not result in additional slope instability issues. Concurrent with slope stability work, supervised the installation of temporary storm drain systems and relocation and construction of new down-slope storm drains, surface stabilization features, and area re-vegetation.

### **Horse Ranch Creek Pipeline and Lift Station**

Rainbow Municipal Water District, Fallbrook, CA

Responsible for the overall construction and commissioning of facilities. The Sewer Lift Station project featured 1500

LF of horizontal directional drilled high-pressure water transmission line and sewer force main in Caltrans Right-of-Way (ROW), ESA, and Blueline Stream work area, 12,000 LF of open cut water and sewer line, and 12kv SDG&E utility feed.

### **Pump Station 77 Lake Hodges Force Main Assessment**

City of San Diego, CA

Responsible for overall coordination with city forces for sitework, environmental compliance and site safety. The project involved isolation and mechanical access to existing sub-aqueous sewer force mains at Lake Hodges, pig cleaning of existing force mains, internal inspection of force mains utilizing self-propelled pipe wall inspection technology, and ESA work environment.

### **Gobernadora Basin**

Santa Margarita Water District, Rancho Santa Margarita, CA

Responsible for all aspects of construction, oversight and QC for a 350,000-yard cut/fill grading project that included dewatering and groundwater control, remedial grading, and construction of earthen berms, dikes, levees, and spillways. Responsibilities included verification of cut/fill quantities, monitoring of groundwater dewatering volume and water quality, and verification of compaction and select fill placement. In addition to earthen features, the project included two reinforced concrete dam structures, a reinforced concrete spillway structure, and a surface water pump station. Responsible for oversight of subgrade excavation, select fill subgrade placement, installation of sub-drains, waterproofing systems, and structural backfill. Coordinated with the project geotechnical engineer, project hydrologist, and project environmental and cultural resource specialists.

### **Upas St Pipeline Replacement**

City of San Diego, CA

Responsible for early phase Construction Management-at-Risk (CMAR) project development and review including traffic control plans for approximately five miles of water transmission and distribution line replacement.

### **Holtville Potable Water Reservoir and UV Disinfection**

City of Holtville, CA

Responsible for overall construction and commissioning of facilities. The project featured a 2-MG potable water reservoir, installation of UV disinfection system, repairs to earthquake damaged filtration structures, and critical project schedule due to emergency funding—\$50,000/day liquidated damages.

### **Main Beach Lift Station**

City of Laguna Beach, CA

Responsible for overall construction and commissioning of facilities. The project featured 50-foot-deep excavation on Main Beach between the boardwalk and Pacific Coast Highway, secant pile shoring system, 60-inch jack and bore in Caltrans ROW for gravity influent sewer, construction of drywell/wetwell lift station and diversion structures, and traffic control and diversion at intersection of Pacific Coast Highway and State Route 133 for the duration of project.



## Key Information

### Education/Qualifications

- BS, Industrial Management (Credentials Equivalency), Trustforte Corporation, 2016

### Years of Experience

Total – 22  
With Arcadis – 5

### Professional Registrations/ Certifications

- Project Management Professional - 2016/PMP/CA #1905067
- Planning and Scheduling Professional - 2020/ PSP (AACEi) /#02107
- Construction Manager-in-Training - 2020/CMIT/#14479

### Professional Associations

- Association for the Advancement of Cost Engineering (AACEi)
- Project management Institute (PMI)
- Construction Management Association of America (CMAA)
- Construction Industry Institute (CII)

## Andrew Dick, PMP

### Scheduler/Claims

Mr. Dick is an experienced senior project controls specialist for complex infrastructure projects. He has more than 22 years of progressive and diversified experience in project schedule analysis, delay analysis, claims analysis, risk analysis and schedule optimization services on a diverse range of domestic and international projects. His strong record of accomplishment in project delivery includes involvement on project from the early study phases to construction and commissioning in both the private and public sectors. He has engaged extensively with stakeholders including designers, constructors, operators, maintainers and the public sector. With extensive experience with schedule, cost and risk management, he has assisted several firms in the redevelopment of their project controls frameworks and then implemented these frameworks for delivery of projects. He has participated in several rail projects in Queensland, New South Wales and Victoria, Australia, contributing to design elements as well as providing overall team and project management.

### Relevant Experience

#### Central Los Angeles Recycling and Transfer Station (CLARTS)

City of Los Angeles Bureau of Sanitation, CA

Served as scheduler for CLARTS Storm Water project, reviewing, analyzing and providing written narratives for the contractor's monthly update schedules and three-week look-ahead update schedules. Worked on early deliverables, pre-scheduling agenda, baseline review, and reviewing monthly updates for construction management support. This \$8-million Phase 2 project consists of six elements: stormwater management, traffic control, work by other City vendors, landscape/hardscape, improvements and repairs, and striping.

#### Scheduling Services for City of Los Angeles Bureau of Engineering

Los Angeles Bureau of Engineer, CA

Responsible in reviewing and analyzing construction schedules, preparing comments to the monthly schedules submitted, reviewing construction progress, attending weekly construction meetings, performing time impact analysis and delay analysis, and supporting the CM team during change order negotiation. Arcadis is providing scheduling services for this \$520-million bond program to reduce pollutant loads in impaired waters within the City of Los Angeles to meet water quality standards, including river, lake, beach, bay and ocean water quality projects; flood water reduction projects; river and neighborhood park projects that prevent polluted runoff and restore and preserve riparian habitats; water conservation projects; source protection projects; storm water capture and clean-up projects; and projects which establish recreational space for communities.

### **Santa Clarita Valley Sheriff's Station** City of Santa Clarita, CA

Arcadis provided on-site construction management services including the analysis and review of the contractor's CPM construction schedule to verify compliance with the project contract and performance specification. Tasks performed included, Analysis of the CPM construction schedule, including leading schedule performance indicators, forensic investigations of submitted time impact analysis, and preparation of monthly CPM schedule analysis and compliance reports.

### **Inland Empire Utilities Agency Recycling Plant No. 5 Expansion** Inland Empire Utilities Agency, CA

Arcadis provided on-site construction management services, including the analysis and review of the contractor's CPM construction schedule to verify compliance with the project contract and performance specification. Tasks performed included development of the project risk register and mitigation plans in conjunction with CM team, analysis of the CPM construction schedule, including leading schedule performance indicators, forensic investigations of submitted time impact analysis, and preparation of monthly CPM schedule analysis and compliance reports: Oct 2019 – Current

### **Crenshaw/LAX Transit Corridor** Los Angeles County Metropolitan Transportation Authority, Los Angeles, CA

The project is an 8.5-mile light rail design-build project connecting the Expo Line to the LAX airport. It includes one mile of tunnel, eight stations and five bridges with \$1.3-billion estimated budget. On behalf of Los Angeles County Metropolitan Transportation Authority (LACMTA), Arcadis is providing claims analysis and resolution services including analyses of 40+ issues, including many multi-million-dollar disputes.

Arcadis has presented to the contractor and metro executive management staff and coordinated with the field staff on merit and quantum determination including participation in various dispute review boards. Arcadis is also reviewing and assisting with the responses to 10+ TIA submitted.

### **Las Virgenes WWTP** Las Virgenes Municipal Water District, Las Virgenes, CA

Served as claims analyst that supported the Las Virgenes Municipal Water District in claims analysis and resolution on two claims from the contractor during the construction of a new WWTP, one for \$60 million and the other for \$4 million.

### **US-395 Phase I Widening** San Bernardino County Transportation Authority, San Bernardino, CA

Provided scheduling services by reviewing and analyzing construction baseline, reviewing monthly schedule updates, and attending weekly construction meetings as needed. Arcadis provided scheduling services for this \$57.8-million project. The first phase will widen approximately five miles along U.S. 395 between SR 18 (Victorville) and Chamberlaine Way (Adelanto) from two lanes to four lanes and install turn lanes and signals at various intersections within the corridor.



## Christi Fu, PE, CCM

### Claims

Ms. Fu is the Operations Manager of Arcadis Contract Solutions Practice in the western U.S. where she is responsible for Arcadis' claims related service offerings. She has diverse experience in the construction and project management field as a contractor as an owner's representative and as a consultant. With 15 years of experience, she possesses strong technical understanding for construction claims analysis and resolution. Her contract solutions experience includes analyses of claims on numerous project types, including roadways and highways, bridges, light rails, wastewater treatment facilities, airports, ports, and buildings. Her expertise in analyzing complicated issues and presenting her findings and analyses is well regarded by clients on major projects. She has participated and made preparations for Dispute Review Boards, mediations, and arbitration. In addition, she has presented on the topics of construction management and claims management. She led the Arcadis team on several Caltrans Calmentor programs and in 2014 and 2016, she led the Arcadis team to win the Outstanding Performance Awards in D11.

### Key Information

#### Education/Qualifications

- MS, Civil Engineering, University of California-Berkeley, 2004
- BS, Civil Engineering, University of California-Berkeley, 2003

#### Years of Experience

Total – 16

With Arcadis – 11

#### Professional Registrations/ Certifications

- Leadership in Energy and Environment – CA
- Professional Engineer – CO, TX
- Certified Construction Manager – US
- Envision Sustainability Professional – ISI

#### Professional Associations

- WTSI Women's Transport Sem Intl
- American Society of Civil Engineers
- ACE Mentor Program
- U.S. Green Building Council
- AACE International
- Construction Management Association of America (CMAA)

### Relevant Experience

#### Caltrans District 11, On-Call Construction Claims and Scheduling Services California Department of Transportation, San Diego, CA

Served as deputy project manager/claims analyst responsible in providing construction claims and scheduling analyses on an on-call basis in San Diego and Imperial Counties. Coordinated all matters with the Caltrans Contract Manager and be responsible for all matters related to the consultant's personnel and operations. Caltrans District 11 engaged Arcadis to perform construction claims and scheduling analyses on an on-call basis in San Diego and Imperial Counties under contracts 11A1526, 11A2077, 11A2535, and 11A3060. Arcadis' tasks include analyses of differing site conditions claims, review of contractors' delay and damages claims; review of contractors' baseline schedules and updates; and review and analysis of time impact analyses to assess alleged and potential delays.

#### Clean Water Campus Building

City of Los Angeles, CA – Bureau of Sanitation, Los Angeles, CA

Serves as project manager responsible for providing pre-construction services on this project LASAN and Los Angeles Bureau of Engineering (LABOE) that are developing a new Clean Water Campus, consisting of approximately 150,000-GSF building (five stories plus partial basement) office building to accommodate approximately 500 staff with a design specifically tailored to LASAN's mission and functional requirements. This will be a Public-Private-Partnership (P3) project.

**San Francisco-Oakland Bay Bridge,  
Yerba Buena Island Transition  
Structures, Scheduling**

California Department of  
Transportation, San Francisco, CA

Provided construction claims and scheduling analyses on an on-call basis for the Yerba Buena Island transition portion of the new San Francisco – Oakland Bay Bridge. Tasks include review of contractors' baseline schedules and updates; and review and analysis of contract change orders. Coordinated all matters with the Caltrans Contract Manager and was responsible for all matters related to the consultant's personnel and operations. Caltrans District 4 engaged Arcadis to perform construction claims and scheduling analyses on an on-call basis for the Yerba Buena Island transition portion of the new San Francisco – Oakland Bay Bridge.

**On-Call Construction Claims and  
Scheduling Services**

California Department of Transportation  
District 11, Confidential Location, CA

Served as deputy project manager/claims analyst and provided construction claims and scheduling analyses on an on-call basis in San Diego and Imperial Counties. Coordinated all matters with the Caltrans Contract Manager and be responsible for all matters related to the consultant's personnel and operations. The California Department of Transportation (Caltrans) District 11 engaged Arcadis to perform construction claims and scheduling analyses on an on-call basis in San Diego and Imperial Counties under contracts 11A1526, 11A2077 and 11A2535.

Arcadis' tasks include analyses of differing site conditions claims, review of contractors' delay and damages claims; review of contractors' baseline schedules and updates; and review and analysis of time impact analyses to assess alleged and potential delays.

**On-Call Construction Claims and  
Scheduling Services**

California Department of Transportation  
District 7, Los Angeles, CA

Served as contract manager responsible in providing construction claims and scheduling analyses on an on-call basis in Los Angeles and Ventura Counties. Coordinated all matters with the Caltrans Contract Manager and be responsible for all matters related to the consultant's personnel and operations. Caltrans District 7 engaged Arcadis to perform construction claims and scheduling analyses on an on-call basis under contracts 07A4986, 07A3403, and 07A4238. Arcadis' tasks include analyses of differing site conditions claims, review of contractors' delay and damages claims; review of contractors' baseline schedules and updates; and review and analysis of time impact analyses to assess alleged and potential delays.



# BOARD FOR PROFESSIONAL ENGINEERS, LAND SURVEYORS, AND GEOLOGISTS

## LICENSING DETAILS FOR: 70874

**NAME:** FU, CHRISTI

**LICENSE TYPE:** CIVIL ENGINEER

**LICENSE STATUS:** CLEAR 

**ADDRESS**

445 S FIGUEROA ST STE 3650  
LOS ANGELES CA 90071  
LOS ANGELES COUNTY

[MAP](#)



3/26/2021

Christi Fu  
445 S Figueroa St.  
Los Angeles, CA 90071  
USA

CCM ID: 4931

Dear Christi Fu,

This letter serves as confirmation of your certification status until **March 2024**. As a reminder, in the years between your recertification, you will need to keep track of the recertification points earned to maintain your CCM status.

You can keep track of your Renewal Points by using our online recertification tracking portal.

Please remember that you have **three (3) years** to meet the requirements for earning Renewal Points. If any changes are made to the recertification requirements, you will be informed.

Also, don't forget to update any new contact information because CMCI sends out periodic updates and new recertification opportunities that become available. If you have any questions or concerns, please call us at (703) 356-2622 or email us at [certification@cmaanet.org](mailto:certification@cmaanet.org).

Sincerely,



D.J. Mason, CCM  
Chair



## Allen Day, ICC

### Inspection

Mr. Day is a RI with excellent oral and written communication skills. His expertise includes project planning, facilitation, special inspection and oversight. His experience with water/wastewater conveyance systems includes working with supervisory control and data acquisition (SCADA) systems. In addition, he has familiarity with ESRI ArcGIS and ArcMap. Mr. Day has inspection licenses including ICC reinforced masonry, ICC reinforced concrete, ICC structural steel and bolting, ACI grade 1 field testing technician, and nuclear gauge certification.

### Key Information

#### Years of Experience

Total – 19

With Arcadis – 5

#### Professional Registrations/ Certifications

- ACI Concrete Field Test Technician - Grade 1 - CA
- Nuclear Gauge Operator - CA
- Reinforced Concrete Special Inspector - International Code Council
- Reinforced Concrete Special Inspector - International Code Council
- Structural Steel and Bolting Special - Inspector - International Code Council

### Relevant Experience

#### On-Call Construction Management Services

City of San Diego, CA

CMRE-emergency projects dealing with large-diameter water piping in the City of San Diego's water transmission network. Kearny Mesa Pipeline emergency service inspection and repair. Special inspection oversight on PB pipelines bridge work. Oversaw special inspections on post installed pipe hangers.

#### Task 6 Tecolote Canyon Sewer Main

City of San Diego, CA

CMRE for the Tecolote Canyon Sewer Main. The project includes a manhole rehabilitation, sewer line, and a new truss bridge in an environmentally sensitive area. Responsibilities included schedule review, progress meeting administration, project schedule review, community outreach, community relations, storm water related monitoring and reporting, traffic control review and compliance checks, submittal review, RFI review, site and work inspection, payments application review/approval and environmental compliance.

#### Group Job 1018a

City of San Diego, CA

CMRE for the AC Water 1018A CIP project. This project included 3.5 miles of AC water line removal and replacement in the California Coastal Zone. Responsibilities included schedule review, progress meeting administration, project schedule review, community outreach, community relations, traffic control review and compliance checks, submittal review, inspection including all associated water services, fire hydrants, curb ramps, RFI review, site and work inspection, QC/QA inspections, SWPPP inspection/compliance, conflict resolution, payment application review, AC grinding oversight, AC overlay inspection and environmental compliance.

**TO 16 Group Job 1018**

City of San Diego, CA

CMRE with duties included handling all project correspondence from submittal reviews to request for information (RFIs), daily site inspections, conflict resolution and negotiation of all added scope or change order work due to unforeseen site conditions and stormwater related monitoring and reporting. Construction and installation a total of 10,260 LF (1.943 miles) of water mains to replace existing asbestos cement (AC) water mains, including all associated water services, fire hydrants, curb ramps, traffic signal modification at the intersection of Mission Boulevard and Pacific Beach Drive, traffic control, etc. Construct a total of 478 LF (0.10 miles) of sewer mains to replace existing vitrified clay sewer main and rehab a total of 1,953 LF (0.37 miles) of existing ductile iron sewer mains, including associated-sewer laterals, manholes and other appurtenances.

**SRRRA WRFR Project CM Services:**Santa Rosa Regional Resources  
Authority, Temecula, CA

Project inspector with project duties that include project planning, facilitation, special inspection, QC/QA, submittal review, RFI review, RFP writing, RFP review, plant coordination, general oversight, SCADA loop checks, point to point checks, schedule review, progress meeting administration, project schedule review, stormwater related monitoring and reporting, traffic control review and compliance checks, site and work inspection, payments application review, and environmental compliance.

**Special Inspector**

Mid-Coast Transit Corridor

Lead inspector responsible for QC testing and sampling and QC compliance for the Carlsbad desalination plant and pipeline in Carlsbad, California. Night shift lead inspector responsible for QC testing and sampling for the Mid-Coast Transit Corridor.

**Special Inspector**California Testing and Inspection Inc.,  
Colton, CA

Field quality control manager providing special inspection, material sampling and testing for the UPRR and BNSF rail to rail grade separation.

**Special Inspector**

Murrieta, CA

As special inspector, performed QA testing and sampling for the Loma Linda Medical Center in Murrieta, California. For the rehabilitation of Taxiway C and the expansion of Terminal 2 at San Diego International Airport, served as assistant QC field manager, performing QC testing and material sampling and general coordination.

**Special Inspector**Cal Pine (OMEC) Otay Mesa Energy  
Center, San Diego, CA

For the SR125 transportation corridor, performed QA/QC testing and sampling of roadway materials. Served as special inspector for material testing and sampling for the Cal Pine (OMEC) Otay Mesa Energy Center.



# Conrad Taylor, ACI

## Inspection

Mr. Taylor has 15 years of experience in heavy civil, public and private testing, and inspection & CMRE administration.

## Relevant Experience

### Key Information

#### Years of Experience

Total – 15

With Arcadis – 2

#### Professional Registrations/ Certifications

- ACI Certified
- Nuclear Gauge Certified
- ICC Soils, Reinforced Concrete, Masonry & Spray Applied Fireproofing & 27
- Cal Trans Certifications

#### City/State/DSA/Wastewater Projects

- Worked as lead soils/materials inspector on UCSD/Central Plant construction (\$600 million project), City of Coronado Sewer & Roadway Improvements, City of Chula Vista Roadway Improvements, Valley Center Reservoir Reconstruction, HDWD Sewer infrastructure & Heartland Regional Fire Training Facility
- Lead concrete technician/inspector at San Marcos High School (\$180 million project)
- SDUSD Projects: Point Loma Gymnasium, Kate Sessions Elementary Parking Lot Improvement, Torrey Pines modernization, Millennial Tech Elementary School
- SDCCD Projects: Miramar Community College (12KV, Café Bookstore, Student Services Center, Classroom Building A & B, Central Plant Expansion), Palomar Community College (Building T, new theatre construction) D Street lane improvements (Chula Vista, I5 corridor expansion (Anaheim), 133 Corridor expansion (Newport Beach) POLB Maintenance Building (Long Beach), Caltrans Imperial I8 Corridor construction (Super pave)
- Caltrans I10 Corridor re-construction & Yucca Valley Sewer Infrastructure
- City of San Diego Water Sewer 16" main GJ 1018, 1042 & 673, & EVMWD Treatment Plant expansion

#### Federal Projects

US Border Patrol Compound, (Old HWY 80) US Border Fence & Patrol Route Stabilization (Dulzura), NAVFAC Gate 5 Reconstruction

#### OSHPD Projects

UCSD Central Plant, UCSD Biomedical Tower, UCSD Bed Tower, UCSD Radio Tower, Central Research Facility

## Technical Skills

- Construction management/RE administration
- Concrete Temperature Testing (ASTM C-1064)
- Concrete Slump Testing (ASTM C-143)
- Concrete Air Entrainment Testing – Pressure method (ASTM C-231)
- Concrete Air Entrainment Testing – Volumetric method (ASTM C-173)
- Concrete Yield/Unit Weight Testing (ASTM C-138)
- Concrete & Asphalt Batch Plant inspection and tolerance calculation (ASTM C 94) Concrete Placement observation
- Concrete Sampling (ASTM C-172)
- Concrete Sample Fabrication (ASTM C-192)
- Asphalt Placement Observation & Testing (ASTM D-7113)
- Aggregate Base Testing (Class II & Class II Recycled, Cement Treated)
- Asphalt/Base/Concrete/Soils Representative Sampling
- Soils Classification & Identification
- Soils Testing (Nuclear Gauge (ASTM –D6938) Sand Cone Method (ASTM D-1556)
- Maximum Density Test Method for Various Soils & Base Aggregate Materials (ASTM 1557)
- Test Pit Locating & Preparation and Observation & Documentation
- Cal Trans/AASHTO Tests methods (Concrete & Superpave Testing) (Field & Laboratory)
- Concrete, Asphalt & Masonry Core Sampling/ preparation and documentation (ASTM C-140) (ASTM C-42)
- Masonry Block & Rebar Identification, Watch Fabrication, Tag & Sampling
- Proof Load Testing (Pull testing & Torque testing) to project specified values
- Ceiling Wire & Splay Wire Load testing
- ADA Compliance inspection (Pedestrian Ramp slope/ fall percentage, flow line and design)



## Key Information

### Years of Experience

Total – 28

With Arcadis – 4

### Professional Registrations/ Certifications

- CSLB Class B license No. 678743

# Ronald Seale

## Inspection

Mr. Seale has over 25 years of experience in the fields of water and wastewater, which includes instrumental roles as CM, RE and lead inspector. His responsibilities have included planning, design, and construction engineering/management for treatment plants, reservoirs, conveyance and pumping stations.

## Relevant Experience

### Regional Water Reclamation Facility (WRF) Upgrade

Elsinore Valley Municipal Water District, Lake Elsinore, CA

Elsinore Valley Municipal Water District is upgrading and expanding its regional WRF. The \$37-million upgrades project includes constructing a new 150-foot-diameter circular clarifier, a flow control structure, a diversion structure, a new operations building, three ponds covering about six acres, and about a mile of pipelines ranging in size from 4 to 48 inches in diameter. The \$125-million expansion project includes construction of a 4-mgd membrane bioreactor (MBR) treatment train, an ultraviolet disinfection facility, a belt press facility, a maintenance facility, and doubling the size of headworks. Mr. Seale is the RE, leading a team of field inspectors and special inspections and testing.

### Task 5 Tierrasanta Pump Station

City of San Diego, CA

City of San Diego's largest potable water station at 14-mgd and nine vertical turbine pumps and including 3,000 feet of 20-inch trunk line. Mr. Seale was a third-party construction manager to augment City staff.

### Harmony Grove Wastewater Treatment Facility

City of Escondido, CA

General superintendent at Harmony Grove Wastewater Treatment Facility. As General Superintendent, Mr. Seale oversaw all construction activities and coordination with the owner, design engineers and District staff to construct the new aeration treatment system and reclaimed water treatment.

### Martin Slough Wastewater Pump Station

City of Eureka, CA

General superintendent at Martin Slough Wastewater Pump Station. As General Superintendent Mr. Seale oversaw all construction activities and coordination with the owner, design engineers and District staff to construct the facility.

### Harmony Grove Sewer Lift Station

City of Escondido, CA

General superintendent at Harmony Grove WWTF lift station.

## Key Information

### Years of Experience

Total – 33

With Arcadis – 1.5

### Professional Registrations/ Certifications

- CESSWI Certification
- Class A General Engineering Contractor License
- QSP Certification

# Joseph Massie

## Inspection

Mr. Massie has more than 33 years of experience in construction management for water and wastewater infrastructure and management facilities.

## Relevant Experience

### West Victoria Water Booster Station and Reservoir Upgrade

Padre Dam Municipal Water District, Alpine, CA

Managed construction involving the removal of old wooden roof on an 80-feet by 140-feet by 40-feet-deep reservoir; removal of footings and installation of new, larger concrete footings for the new metal roof; demolition of existing outdoor pumps and piping; and building of a new brick building. The project included all new underground infrastructure wet and dry utilities; monorail crane inside; vertical turbine pumps with bypass piping; electrical cabinets; surge tank with air compressor and manifold along with flow meters in an external metering vault; and site improvements such as grading, cast-in-place concrete retaining walls and concrete driveway.

### Sky Ranch Water Booster Station and Dual-Chambered Concrete Post-Tension Reservoir

Padre Dam Municipal Water District, Santee, CA

Managed construction of a dual-chambered, post-tension, 1-MG reservoir at one end of the project and the building of a booster station at the other end with five vertical turbine pumps ranging in size for demand and pressure connected to an existing tank. The project involved the associated grading and paving at the booster station and reservoir, all installed for the supplying of potable water to a new residential housing tract.

### West Mission Bay Bridge Pipeline Rehabilitation, City of San Diego Capital Improvement Project

City of San Diego, CA

Managed a construction project that included the installation of a bypass water line to commission the existing (leaking) water line running across the outside of the bridge (and the welding of 2,500 LF of 18-inch high density polyethylene pipe to pull through the existing 20-inch cement-mortar lined & coated (CML&C) pipe as a slip line. New connections were made at each end of the bridge to put the water line back into service.

### Citywide Sewer Pump Station Rehabilitation, City of San Diego Capital Improvement Project

City of San Diego, Rancho Bernardo, CA

Managed construction for the rehabilitation of seven pump stations throughout Rancho Bernardo and Del Mar, rehabilitation of wet wells, installation of new concrete cast-in-place overflow storage tanks along with dual eight-inch force mains and bypass vaults, and site upgrades such as grading and paving and concrete.

### **Genesee Avenue 18-inch Sewer Installation, San Diego**

Garden Communities, La Jolla, CA

Managed construction of a sewer line for a private developer, which included working with the City of San Diego. Worked in Rose Canyon pipe bursting existing 12-inch clay sewer to upgrade to 18-inch high density polyethylene (HDPE) pipe. The team installed brackets and casing on the outside of the bridge over the railroad tracks and pushed restrained ductile iron pipe through the casing from one side to the other connecting with flex tends on both sides. Three new sewer laterals were added to the project site, which involved digging up the existing main in Genesee Avenue and La Jolla Village Drive 20 feet deep, installing shields, boring from the project out into the street into the shields at a set elevation, and connecting new laterals to existing mains with new manholes.

### **Liberty Station Wet and Dry Utility Installation**

McMillan Companies, San Diego, CA

Managed construction involving the installation of new sewer, manholes, water, fire water, storm drain and boxes and dry utilities, vaults and modular wetland units for the building of three new hotels. The project involved coordination with city forces for performing cut and plugs and water connections for the project, pressure testing, and chlorination and bacteriological testing of new water lines.

### **Weston Residential Project**

Pardee Homes, Santee, CA

Managed construction involving the installation of new sewer, water, recycled water, fire water, storm drain, modular wetlands, water polishers and storm traps and all laterals, manholes, boxes, meter vaults and backflow detectors and appurtenances for a new residential project. Work included pressure testing, chlorination and

disinfection of new water lines and connections of new water lines.

### **Camino Del Mar Streetscape Improvement**

City of Del Mar, CA

Managed construction of complete streetscape improvement along the downtown corridor of Camino Del Mar from 9th Street to 15th Street to Plaza Parking. Work included removal and replacement of exposed aggregate and decorative concrete sidewalk to make these features Americans with Disabilities Act (ADA) compliant; upgrade of ADA-compliant ramps and super ramps; installation of new brick paver crosswalks and new bulb-outs for traffic calming at almost every corner and intersection; new curb and gutter, trench drains and driveways throughout the site; installation of new irrigation and planting along with silva cells for tree planting and bioretention planting areas; installation of new site furnishings, chairs, tables, benches and trash and recyclable containers; complete grind and cap asphalt paving on Camino Del Mar along with transitions on side streets; installation of stone veneer-covered retaining walls; complete electric upgrades and installation of new decorative streetlights with electric plugs and USB receptacles on the poles; and convenience power receptacles at every tree well and in the center median along with new communication conduits for future use through the entire corridor.

### **Mira Mesa Trunk Sewer Improvement Project**

City of San Diego, Mira Mesa, CA

Managed construction project as a CMRE for the City of San Diego Construction Management & Field Services Division called the Mira Mesa Trunk Sewer Improvement Project consisting of replacement of 2,289.19 LF (0.43 miles) of existing 15-inch sewer mains, rehabilitation of 3,955.22

LF (0.75 miles) of 15-, 21- and 24-inch sewer mains, point repairs, installation of 574.53 LF (0.11 miles) of 8-inch sewer line collector with laterals, sewer manholes, sewer laterals, ADA ramps, concrete curb & gutter, cross gutters, sidewalk, paving, slurry seal, striping, and all other work and appurtenances involved with working in the city residential streets.

### **Regional Water Reclamation Facility Upgrade (Package 1 – Existing Plant Upgrades)**

Elsinore Valley Municipal Water District, Lake Elsinore, CA

Working onsite as a field inspector monitoring the contractors work to make sure they are following the plans and specifications.



## Erik Anderson

### Inspection

Mr. Anderson has 20 years of construction management experience in the fields of water and wastewater, which includes completion and startup of WWTPs and sewer lift stations. He has managed the budget, schedule and staff for multi-million-dollar construction projects.

### Key Information

#### Years of Experience

Total – 20

With Arcadis – 3

#### Professional Associations

- Construction Management Association of America (CMAA)

### Relevant Experience

#### Sterling Natural Resource Center

Highland, CA

Responsibilities includes the following: oversee all operations onsite of construction of new WWTP; concrete and rebar placement, structural inspection slabs buildings and tanks; hydraulic, hydrostatic and air pressure testing; working with various pipe materials fiberglass, HDPE, stainless steel, ductile iron and C900; maintaining a safe working plan observation; installation of special epoxies in order to anchor many different pieces of equipment and brackets; anchor testing; oversight of excavations and compaction; steel building construction and proper placement of J bolts upon pre pour inspections; and weekly coordination between water district, contractors and engineers.

#### La Jolla Scenic Drive Pipeline Project

City of San Diego, CA

Construction manager/resident engineer. \$9.7-million design-build construction project removing and replacing of over three miles of 12- and 16-inch water main and a half mile of 8-inch sewer replacement.

#### Sewer & AC Water 827

City of San Diego, CA

Project manager/field superintendent for \$9.9-million construction including the installation, replacement, realignment and abandonment of approximately 8,182 LF of sewer mains and 882 LF of water mains, using various construction methods ranging from open trench to microtunneling at depths exceeding 20-feet below sea level. Extensive shoring pits and dewatering was necessary for the launching and receiving pits for the microtunneling of the 27-inch polycrystalline sewer main.

#### Demin Project

City of San Diego, San Diego, CA

Project manager/field superintendent. \$3.8-million construction project for EDR water filtration station. Took the existing EDR trailers from NCWRP and relocated them at SBWRP with new chemical tanks and storage facility, overhead canopy, wet well waste station, three vertical turbine pumps and all new DCS and PLC controls.

### **City Wide Pump Station Group II** City of San Diego, CA

Project manager/field superintendent. \$3.8-million retrofit of five existing stations; installation of emergency storage tanks; and installation of new pumps and piping. Responsible for submittals, RFIs and contract negotiations. Performed warranty work for Station #3 Encinitas, Nuevo Elementary School and City College.

### **Pump Station #41** City of San Diego, CA

Concrete/mechanical superintendent. Oversaw construction of new \$5-million underground pump station that consisted of concrete dry well/wet well, emergency generator, air purification room and emergency overflow structure including installation of two 8-inch parallel force mains (3,600 LF/4 to 6 feet in depth) and demolition/removal of existing pump station and equipment and other appurtenances.

### **EDEN Gardens Sewer Pump Station** City of Solana Beach, CA

Concrete/mechanical superintendent \$4.2-million project including construction of a combination wet well/drywell concrete pump station with three 60hp, 1350-GPM dry pit submersible pumps, including a standby diesel generator rated at 200kw and a 22- by 33-inch CMU building facility with integral instrumentation and controls to communicate with San Elijo Joint Power Authority (SEJPA) primary programmable control system

### **Moreno Valley Centrifuge and GasRetrofit** Eastern Municipal Water District, San Jacinto, Temecula, CA

Concrete/mechanical superintendent/field engineer/project manager. \$18-million retrofit of existing 8-inch gas line to digester tanks and to methane burners. Approximately 500 LF of 8-inch PE gas line installed amongst existing utilities, installation of methane burner and installation of centrifuge drying systems at each site for waste management and recycling purposes.

### **Hemet Water Filtration Plant** Eastern Municipal Water District, San Jacinto, Temecula, CA

Concrete/mechanical superintendent/field engineer/project manager. \$46-million project consisting of a 12-mgd capacity plant treating unfiltered raw water from SWP from Northern California for potable use. Used advanced treatment process of microfiltration which was achieved by building a new head works structure and aeration basin to treat solids before coming into Carollo Membrane System. The potable water is then supplied to neighboring municipalities for consumption.

### **Equalization Basin** Encina Water District, Encina, CA

Project manager/field superintendent. \$8-million project including a 220- by 360- by 24-feet 7-MG emergency storage tank that allows overflow to be held while existing plant catches up with heavy demand. Two 75-HP pumps control flow to digester tanks and an installation of approximately 500 LF of 36-inch concrete pipe was installed onto existing plant. 14,000 yards of concrete was poured in 10 months and project was completed three months early.

### **Early Start II** City of San Diego, CA

Project manager/field superintendent. \$18-million project consisting of 5,800 LF of 4- to 107-inch pipeline, 150,000 cy of mass excavation, various cast in place structures and a large diameter energy dissipater.

### **Sand Shell Lift Station/John Laing Homes** City of Carlsbad, CA

Project manager/field superintendent. \$1.1-million project consisting of a 0.5-mgd sewer lift station for new housing development.

### **Hale Avenue Resource Recovery Facility** City of Escondido, CA

Project manager/field superintendent. \$23-million construction project of two new clarifier tanks, head works facility, 1,500 LF of box culvert, retrofit of existing grit chamber, new backup generator system and a new office laboratory facility.

### **Various Projects** Anderson Construction Enterprise, Vista, CA

Provided all phases of general construction including consulting for government/city infrastructure projects, custom homes, remodels, landscape and hardscape, hillside repair for City of Burbank, housing and senior improvements for Pala Indian Tribe.

### **Miramar Water Treatment Plant**



# Arthur Serata, PE, SE, CCM, LEED AP

## Constructibility Review

### Key Information

#### Education/Qualifications

- MS, Structural Engineering & Structural Mechanics, University of California-Berkeley, 1979
- BS, Civil Engineering, University of California-Berkeley, 1978

#### Years of Experience

Total – 41

With Arcadis – 25

#### Professional Registrations/ Certifications

- Professional Engineer – CA
- Structural Engineer – CA
- Certified Construction Manager – US
- Leadership in Energy and Environment, Accredited Professional – US
- Qualified SWPPP Developer & Practitioner – CA

Mr. Serata has over 41 years of construction industry experience, including project management, construction management, structural engineering, forensic investigations and expert testimony. He has worked for municipalities, states, the federal government, the armed forces, ports, school districts, a university, corporations, developers and attorneys. He is experienced with buildings including schools, medical facilities, laboratories, industrial facilities, office buildings, retail buildings, residential buildings and nuclear power plants; horizontal construction such as roadways, piers, bridges, water and sewer mains, box culverts, storm drain transfer structures, storm water outfalls, retaining walls, and underground reservoirs; and municipal works such as water treatment plans, wastewater treatment plants and solid waste transfer stations. Mr. Serata has managed projects from planning through construction and on to completion of closeout. His experience includes program scheduling, construction scheduling, schedule evaluation, change order evaluation and negotiation, claims mitigation and resolution, cost estimating, cost monitoring, as well as submittal and RFI review and tracking. He has worked throughout all phases of the construction process, including preparation of constructability reviews, review and development of bid documents, management of construction contracts, and management of closeout.

### Relevant Experience

#### As-Needed Project Management & Construction Management Services (Agreement No. 208-2016RH) and As-Needed Quality Control & Design Review Services (Agreement No. 215-2016RH)

San Diego Unified Port District, San Diego, CA

Arcadis provided a constructability review and construction management/resident engineering services for the project “Demolition and Site Improvements of Transit Shed 2 and Rail Improvements” at Tenth Avenue Marine Terminal (TIGER Phase 2). Arcadis provided a preliminary design of permanent storm water BMPs for B Street Pier and performed a plan check review of Manchester Pacific Gateway, Phase 1 Public Improvement plans. Mr. Serata was the project manager for the two as-need contracts.

#### North Embarcadero Visionary Plan (Phase 1)

San Diego Unified Port District, San Diego, CA

The Port of San Diego, in a joint venture with the City of San Diego and the Centre City Development Corporation, is renovating the downtown portion of the Embarcadero. The first phase of the North Embarcadero Visionary Plan (NEVP) encompassed North Harbor Drive from Navy Pier to B Street Pier and West Broadway from the rail road tracks at Santa Fe Depot to North Harbor Drive. North Harbor Drive was relocated to the east side of the right of way and in its

former location two pavilions, a formal garden, an esplanade and a public restroom were built. An information building and two kiosks were built below one pavilion and a café building and another two kiosks were built under the other pavilion. West Broadway was lowered by two-and-a-half feet and a median added which was landscaped and which included custom tandem spiral street lights. The project included relocating SDG&E's 12kV distribution lines, an SDG&E gas main, AT&T infrastructure and COX Communications infrastructure in North Harbor Drive and West Broadway; lowering a Navy cable providing communications between Navy Region Southwest and NAVFAC; relocation of a water main in West Broadway, construction of a sewer main in North Harbor Drive and West Broadway with a tie-in to the 36-inch trunk sewer in Pacific Highway; and coordination with SDG&E to work around its two 230kV and one 69kV transmission lines that cross West Broadway. The project also included pavement and sidewalk reconstruction within railroad right-of-way requiring coordination with North County Transit District for commuter rail and freight and with Metropolitan Transit Systems for San Diego Trolley light rail. In addition, the project required coordination with multiple stakeholders including the City of San Diego, the Port of San Diego for cruise ship operations and waterfront events, the Navy, and port tenants. Frequent adjustments to traffic control with special attention to pedestrian and vehicle safe was required. Mr. Serata and his team performed a constructability review and assisted the Port during the bidding phase. During construction, Mr. Serata oversaw a team providing construction management services and special inspection and testing. In addition to reviewing submittals and RFIs, chairing weekly construction progress meetings, reviewing change orders, assisting with change order negotiation,

and reviewing schedules, Mr. Serata provided project coordination with Port tenants, the U.S. Navy, the City of San Diego, railroad agencies, and franchise utilities.

#### **Port Pavilion on Broadway Pier (LEED Gold)**

San Diego Unified Port District, San Diego, CA

The Port of San Diego expanded its existing cruise ship terminals by adding a new, mixed use terminal building to the existing Broadway Pier. First constructed in 1913, the pier was extended in 1930 and reinforced along its length in 1989. The project consisted of construction of a 52,000-square-foot, two-story terminal building on top of the existing pier, seismic retrofit of the pier and the design and manufacture of a mobile passenger boarding bridge. The \$3.5 million seismic retrofit to the pier consisted of fusing together a joint between two 1913 pier segments below the building, reinforcing the pile-to-pile-cap connections and installing base isolators (lead-rubber bearings) on top of batter piles to provide improved earthquake resistance to the pier and building. The \$2.1 million mobile passenger boarding bridge was articulated to meet the unique locations of the cruise ship hatches that vary from ship to ship and to track constantly changing water levels caused by swells and tides. The project included two separate photovoltaic systems, one for the Port and the other for San Diego Gas & Electric. Upon completion the project received a LEED Gold certification. Mr. Serata assisted the Port during the pre-bid phase by performing constructability reviews of the building, the seismic retrofit of the pier and the performance specification for the passenger boarding bridge. He reviewed and provided recommendations for changes to the general conditions, special conditions and Division 1 documents. During construction of the project, Mr. Serata led a team providing construction

management services, project inspection and special inspection and testing. Coordination challenges included working with a geographically separated team – the architect was in Miami, Florida, the structural engineer for the seismic retrofit of the pier was located in Seattle, Washington, TEAM, the designer and manufacturer of the passenger boarding bridge, was located in Barcelona, Spain, and the remaining design team was in San Diego. Inspection and testing challenges included coordinating testing and inspection during night and graveyard shifts for work under the pier timed for tidal cycles. Other challenges included incorporating changed work mandated by U.S. Customs and Border Protection and coordinating separate procurements of access control, surveillance, shore power and signage.

#### **As-Needed Construction Management**

Public Works Department, City of San Diego, San Diego, CA

Arcadis is providing construction managers/resident engineers (CM/REs) to the City of San Diego on projects ranging in construction cost from \$300K to \$34M. Arcadis provided CM/REs for sewer and water line replacement projects such as the \$34M Pacific Beach Pipeline South Project, a pump station, the \$3.7M Torrey Pines Park Project, and a City maintenance facility. As Construction Administrator, Mr. Serata managed the master services agreement, 20 task orders, fee proposals, and other contractual requirements.

The Construction Manager Certification Institute  
**CCM**  
Certified Construction Manager

**Arthur K. Serata**

has voluntarily met the prescribed criteria of the CCM program with regard to formal education, practical experience and demonstrated capability and understanding of the construction management body of knowledge. The aforementioned individual has met the professional standards and demonstrated a commitment to providing the highest level of quality professional construction management services.

2665

CMCI #

*Ruth J. Chae*  
CMCI Board of Governors Chair



August, 2013

Certification Date

August, 2022

Valid Through





## Danny Silva

### Inspection Electrical I & C

#### Key Information

##### Education/Qualifications

- Electrical Installation Curriculum, William E. Grady Vocational High School, 1986

##### Years of Experience

Total – 30  
With Arcadis – 6

##### Professional Registrations/ Certifications

- Confined Space Entry Training
- Scaffold User Training
- Excavator Training
- 40 Hours of Business Management Training - Con Edison
- Certification of Completion OSHA -10 Hour Construction Industry Outreach
- Certificate of Achievement for Environmental and Safety Excellence – Con Edison
- Certificate of completion in Substation Operation Supervisor Training program - Con Edison
- Fiber Optic Certification - Army National Guard

Mr. Silva is an electrical inspector that has 25 years of working experience in the field of water treatment and other environmental projects. He is well versed in writing construction deficiency reports for electrical installations, creating punchlists to aid project completion and payments. He is also familiar with the activities like coordination of shutdown for service gear for service and maintenance, witnessing of commissioning of electrical monitoring and control systems, fire alarm and of the similar system. He provided technical input to the designer/engineer for change orders including calculations and sizing of conductors and equipment and the feasibility and practicality of installations. He also inspects the installation of freight and personnel elevator electrical including traveling cable, relay panels, safety devices, and control devices.

#### Relevant Experience

##### Jerome Park Reservoir

New York City Department of Environmental Protection, Bronx, NY

Served as an electrical inspector at the Jerome Park Reservoir (JPR) Project. Project consists of the rehabilitation of five gatehouses and one drainage gallery. Primary contract electrical work consists of demolition of gatehouses, including electrical, installation of new temporary 800 and 400 amp incoming electrical services, installation of new electrical distribution panels, conduit, wiring and fixtures for power and lighting, installation of new grounding systems, removal and reinstallation of electrical equipment for masonry restoration, and installation of new security system conduit, wiring, equipment, and panels and interface of new security system with existing system.

- Responsible for the field inspection of all medium and low-voltage electrical work and incoming power services and a new security system for the gatehouses in accordance with the Contract plans and specifications.
- Responsible for overseeing megger testing of all wiring and check-out and testing of new electrical and security system equipment.
- Review of electrical submittals, revisions to Final Copy Working Drawings and production of redline as-built drawings.
- Creation of remaining work/punch lists to aid in project completion and contractor payments.
- Ensure that installed work complies with all applicable codes and standards.
- Preparation of daily reports, recording of Contractor time and material effort (labor, materials, and equipment), work performed and quantities installed, non-conformances and changed conditions.

- Coordination of electrical demolition work with Bureau of Water Supply Operations and Bureau of Police and Security personnel.

### **Croton Water Filtration Plant**

New York City Department of Environmental Protection, Bronx, NY

This project is a \$2.8-billion new construction of a 290-mgd facility. It is a dissolved air flotation plant which includes the installation of over 100 water treatment process pumps, 70 chemical tanks and feed systems, 20 UV disinfection units, 108 flocculators/mixers, a new 13.2 kV electrical service and many other electrical, HVAC and plumbing systems. This project has several complex construction issues including management of five Wick's Law contracts, construction of the entire plant below grade, limited site access and staging areas, complex community relation issues and construction of a 40,000 square foot green roof above the entire plant.

Worked on electrical close-out documentation for the Croton Water Treatment Plant Construction project. Work includes verification of installed electrical work and mark-up of Final Copy Working Drawings and as-built drawings.

During construction, electrical inspection responsibilities included:

- Review of electrical submittals for compliance with project specifications, NEPA-70 and other applicable codes and standards.
- Initiation of Construction Deficiency Reports for incorrect and/or non-compliant electrical installations.
- Creation of remaining work/punch lists to aid in project completion and payments.
- Coordination of shutdowns of service switchgear for service and maintenance while minimizing or eliminating the impact on plant operations.

- Oversight of installation, shutdown, maintenance, calibration and repairs of multiple substations, transformers, and medium voltage switchgear.
- Coordination and witnessing of commissioning of the electrical monitoring and control system, fire alarm, security system, PA system, data, and voice communications, fiber network, and wireless in-building radio.
- Oversight and coordination of the installation, commissioning, maintenance, and weekly testing of the diesel- powered emergency generator and paralleling switchgear.
- Coordination of testing and start-up of equipment.
- Providing of technical input to the designer/engineer for change orders including calculations and sizing of conductors and equipment and the feasibility and practicality of installations.
- Inspection of installation of freight and personnel elevator electrical including traveling cable, relay panels, safety devices, and control devices.
- Verification that contractor installed work complies with contract requirements and applicable codes and standards.

### **Harriman State Park Phase II**

New York State Office of Parks, Recreation and Historic Preservation, NY

This project consisted of upgrading on-site sanitary systems construction with primarily comprised of in-ground installation of pre-cast concrete septic tanks which discharge the liquid portion of sanitary effluent by gravity to either a pre-cast concrete retention chamber/ pump stations or directly to a precast distribution box. Where pump stations are installed, primary and back-up pumps pump the liquid portion of sanitary effluent via polyethylene

pipng force main to a distribution box. Distribution boxes direct the liquid sanitary effluent by gravity flow to constructed tile leach fields comprised of slotted/perforated PVC piping installed in clean, inert porous media for recharge to the overburden soils at the campground. Responsibilities included:

- Oversight of the installation of all electrical equipment installation for 10 new sanitary pump stations installed throughout three various camp sites.
- Drafting remaining work/punch lists to aid in project completion and payments.
- Verification and witnessing all equipment test and start up with vendor for commissioning.
- Coordination of daily activities of subcontractor and company personnel.
- Ensuring execution of daily operational goals and work schedules are performed.
- When contractor was on site, preparation of daily reports consisting of Contractor hours and record the job site weather, data related to change orders, field order or any change conditions, list names of contractor's personnel, work performed and non-conformances.

# About Arcadis

Arcadis is the leading global Design & Consultancy firm for natural and built assets. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services we work in partnership with our clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets. We are 27,000 people, active in over 70 countries that generate \$4.2 billion in revenues. We support UN-Habitat with knowledge and expertise to improve the quality of life in rapidly growing cities around the world.

[www.arcadis.com](http://www.arcadis.com)

## *Is Your Utility Fit-for-Future?*

*Utilities must plan for unprecedented scenarios while navigating a changing workforce, but where should leaders focus?*

*Use the QR code below to explore the five fundamentals of becoming a fit-for-future water utility and the common thread that unites them.*



**Arcadis.** Improving quality of life

## EXHIBIT "B"

### Payment Schedule (Hourly Payment)

#### A. Hourly Rate

CONSULTANT'S fees for such services shall be based upon the following hourly rate and cost schedule:

SEE ATTACHED EXHIBIT B

#### B. Travel Charges for time during travel are not reimbursable.

#### C. Billing

1. All billing shall be done monthly in fifteen (15) minute increments and matched to an appropriate breakdown of the time that was taken to perform that work and who performed it.
2. Each month's bill should include a total to date. That total should provide, at a glance, the total fees and costs incurred to date for the project.
3. A copy of memoranda, letters, reports, calculations and other documentation prepared by CONSULTANT may be required to be submitted to CITY to demonstrate progress toward completion of tasks. In the event CITY rejects or has comments on any such product, CITY shall identify specific requirements for satisfactory completion.
4. CONSULTANT shall submit to CITY an invoice for each monthly payment due. Such invoice shall:
  - A) Reference this Agreement;
  - B) Describe the services performed;
  - C) Show the total amount of the payment due;
  - D) Include a certification by a principal member of CONSULTANT's firm that the work has been performed in accordance with the provisions of this Agreement; and
  - E) For all payments include an estimate of the percentage of work completed.

Upon submission of any such invoice, if CITY is satisfied that CONSULTANT is making satisfactory progress toward completion of tasks in accordance with this Agreement, CITY shall approve the invoice, in which event payment shall be made within thirty (30) days of receipt of the invoice by CITY. Such approval shall not be unreasonably withheld. If CITY does not approve an invoice, CITY shall notify CONSULTANT in writing of the reasons for non-approval and the schedule of performance set forth in **Exhibit "A"** may at the option of CITY be suspended until the parties agree that past performance by CONSULTANT is in, or has been brought into compliance, or until this Agreement has expired or is terminated as provided herein.

5. Any billings for extra work or additional services authorized in advance and in writing by CITY shall be invoiced separately to CITY. Such invoice shall contain all of the information required above, and in addition shall list the hours expended and hourly rate charged for such time. Such invoices shall be approved by CITY if the work performed is in accordance with the extra work or additional services requested, and if CITY is satisfied that the statement of hours worked and costs incurred is accurate. Such approval shall not be unreasonably withheld. Any dispute between the parties concerning payment of such an invoice shall be treated as separate and apart from the ongoing performance of the remainder of this Agreement.



**ON-CALL CONSTRUCTION MANAGEMENT SERVICES**  
**Public Works Department**  
**CITY OF HUNTINGTON BEACH**

**FEE SCHEDULE**

Name of Designated person if applicable	POSITION TITLE**	YEAR 1 FULLY BURDENED HOURLY RATE	YEAR 2 FULLY BURDENED HOURLY RATE	YEAR 3 FULLY BURDENED HOURLY RATE
Rick Farr CCM	Principal in Charge / Sr Construction Manager	\$270.30	\$278.40	\$286.75
Terry Krie NACE II	Project Manager / Construction Manager	\$187.20	\$192.81	\$198.59
Arthur Serata PE SE CCM LEEDS AP	Construction Manager / Review	\$207.10	\$213.31	\$219.70
Nariman Khomamizadeh PE	Construction Manager	\$165.84	\$170.81	\$175.93
Lauran Jentzen PE	Construction Manager	\$205.10	\$211.25	\$217.58
Danny Willis PE	Construction Manager	\$165.84	\$170.81	\$175.93
Arnold Wingler	Construction Manager	\$205.10	\$211.25	\$217.58
Stefan Toth PE	Project Scheduler	\$193.31	\$199.10	\$205.07
Christi Fu	Claims Management	\$254.93	262.57	\$270.44
	(Prevailing Wage) Public Works and Facility Inspectors	\$182.19	\$187.65	\$193.27

**NOTES:**

1. Inspection Positions and Rates are based on California Prevailing Wage.
2. Escalation is based on a 3.0% for year 2, and year 3.
3. The following shall be considered part of the fully burdened hourly rates stated in this Fee Schedule: vehicle expenses, parking, tolls, film, postage, facsimiles, computer and phone usage, printing, normal copying, travel, lodging, telecommunications, photography, and all other costs and expenses incurred in completing typical services.

**Name of Respondent (Company):** Arcadis U.S., Inc.

*Rick Farr*

**Signature**

8/10/21

**Date**