

PROFESSIONAL CONSULTANT SERVICES AGREEMENT

KRIEGER & STEWART, INCORPORATED

Wood Road Lift Station Replacement Project Study Report –  
Project Development Support (RFP No. 2332)

THIS PROFESSIONAL CONSULTANT SERVICES AGREEMENT (“Agreement”) is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2024 (“Effective Date”), by and between the CITY OF RIVERSIDE, a California charter city and municipal corporation (“City”), and KRIEGER & STEWART, INCORPORATED, a California corporation (“Consultant”).

1. **Scope of Services.** City agrees to retain and does hereby retain Consultant and Consultant agrees to provide the services more particularly described in Exhibit “A,” “Scope of Services” (“Services”), attached hereto and incorporated herein by reference, in conjunction with Wood Road Lift Station Replacement Project Study Report – Project Development Support (RFP No. 2332).

2. **Term.** This Agreement shall be effective on the date first written above and shall remain in effect until December 31, 2025, unless otherwise terminated pursuant to the provisions herein.

3. **Compensation/Payment.** Consultant shall perform the Services under this Agreement for the total sum not to exceed Sixty-Four Thousand Six Hundred Dollars (\$64,600.00), payable in accordance with the terms set forth in Exhibit “B.” Said payment shall be made in accordance with City’s usual accounting procedures upon receipt and approval of an itemized invoice setting forth the services performed. The invoices shall be delivered to City at the address set forth in Section 4 hereof.

4. **Notices.** Any notices required to be given, hereunder shall be in writing and shall be personally served or given by mail. Any notice given by mail shall be deemed given when deposited in the United States Mail, certified and postage prepaid, addressed to the party to be served as follows:

To City

Public Works Department  
City of Riverside  
Attn: Usha Kademani  
3900 Main Street  
Riverside, CA 92522

To Consultant

Krieger & Stewart, Incorporated  
Attn: Joshua P. MacPeck  
3980 Orange Street, #1509  
Riverside, CA 92502

5. **Prevailing Wage.** If applicable, Consultant and all subcontractors are required to pay the general prevailing wage rates of per diem wages and overtime and holiday wages determined by the Director of the Department of Industrial Relations under Section 1720 et seq. of the California Labor Code and implemented by Resolution No. 13346 of the City Council of

the City of Riverside. The Director's determination is available on-line at [www.dir.ca.gov/dlsr/DPreWageDetermination.htm](http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm) and is referred to and made a part hereof; the wage rates therein ascertained, determined, and specified are referred to and made a part hereof as though fully set forth herein.

6. **Contract Administration.** A designee of the City will be appointed in writing by the City Manager or Department Director to administer this Agreement on behalf of City and shall be referred to herein as Contract Administrator.

7. **Standard of Performance.** While performing the Services, Consultant shall exercise the reasonable professional care and skill customarily exercised by reputable members of Consultant's profession practicing in the Metropolitan Southern California Area and shall use reasonable diligence and best judgment while exercising its professional skill and expertise.

8. **Personnel.** Consultant shall furnish all personnel necessary to perform the Services and shall be responsible for their performance and compensation. Consultant recognizes that the qualifications and experience of the personnel to be used are vital to professional and timely completion of the Services. The key personnel listed in Exhibit "C" attached hereto and incorporated herein by this reference and assigned to perform portions of the Services shall remain assigned through completion of the Services, unless otherwise mutually agreed by the parties in writing, or caused by hardship or resignation in which case substitutes shall be subject to City approval.

9. **Assignment and Subcontracting.** Neither party shall assign any right, interest, or obligation in or under this Agreement to any other entity without prior written consent of the other party. In any event, no assignment shall be made unless the assignee expressly assumes the obligations of assignor under this Agreement, in a writing satisfactory to the parties. Consultant acknowledges that any assignment may, at the City's sole discretion, require City Manager and/or City Council approval. Consultant shall not subcontract any portion of the work required by this Agreement without prior written approval by the responsible City Contract Administrator. Subcontracts, if any, shall contain a provision making them subject to all provisions stipulated in this Agreement, including without limitation, the insurance obligations set forth in Section 12. The Consultant acknowledges and agrees that the City is an intended beneficiary of any work performed by any subcontractor for purposes of establishing a duty of care between any subcontractor and the City.

10. **Independent Contractor.** In the performance of this Agreement, Consultant, and Consultant's employees, subcontractors and agents, shall act in an independent capacity as independent contractors, and not as officers or employees of the City of Riverside. Consultant acknowledges and agrees that the City has no obligation to pay or withhold state or federal taxes or to provide workers' compensation or unemployment insurance to Consultant, or to Consultant's employees, subcontractors and agents. Consultant, as an independent contractor, shall be responsible for any and all taxes that apply to Consultant as an employer.

## 11. **Indemnification.**

11.1 **Design Professional Defined.** For purposes of this Agreement, “Design Professional” includes the following:

- A. An individual licensed as an architect pursuant to Chapter 3 (commencing with Section 5500) of Division 3 of the Business and Professions Code, and a business entity offering architectural services in accordance with that chapter.
- B. An individual licensed as a landscape architect pursuant to Chapter 3.5 (commencing with Section 5615) of Division 3 of the Business and Professions Code, and a business entity offering landscape architectural services in accordance with that chapter.
- C. An individual registered as a professional engineer pursuant to Chapter 7 (commencing with Section 6700) of Division 3 of the Business and Professions Code, and a business entity offering professional engineering services in accordance with that chapter.
- D. An individual licensed as a professional land surveyor pursuant to Chapter 15 (commencing with Section 8700) of Division 3 of the Business and Professions Code, and a business entity offering professional land surveying services in accordance with that chapter.

11.2 **Defense Obligation For Design Professional Liability.** Consultant agrees, at its cost and expense, to promptly defend the City, and the City’s employees, officers, managers, agents and council members (collectively the “Parties to be Defended”) from and against any and all claims, allegations, lawsuits, arbitration proceedings, administrative proceedings, regulatory proceedings, or other legal proceedings to the extent the same arise out of, pertain to, or relate to the negligence, recklessness or willful misconduct of Consultant, or anyone employed by or working under the Consultant or for services rendered to the Consultant in the performance of the Agreement, notwithstanding that the City may have benefited from its work or services and whether or not caused in part by the negligence of an Indemnified Party. Consultant agrees to provide this defense immediately upon written notice from the City, and with well qualified, adequately insured and experienced legal counsel acceptable to City. Consultant will reimburse City for reasonable defense costs for claims arising out of Consultant’s professional negligence based on the percentage of Consultant’s liability. This obligation to defend as set forth herein is binding on the successors, assigns and heirs of Consultant and shall survive the termination of Consultant’s Services under this Agreement.

11.3 **Indemnity For Design Professional Liability.** When the law establishes a professional standard of care for Consultant’s services, to the fullest extent permitted by law, Consultant shall indemnify, protect and hold harmless the City and the City’s employees, officers, managers, agents, and Council Members (“Indemnified Parties”) from and against any and all claim for damage, charge, lawsuit, action, judicial, administrative, regulatory or arbitration proceeding, damage, cost, expense (including counsel and expert fees), judgment, civil fines and penalties, liabilities or losses of any kind or nature whatsoever to the extent the same arise out of,

pertain to, or relate to the negligence, recklessness or willful misconduct of Consultant, or anyone employed by or working under the Consultant or for services rendered to the Consultant in the performance of the Agreement, notwithstanding that the City may have benefited from its work or services and whether or not caused in part by the negligence of an Indemnified Party.

**11.4 Defense Obligation For Other Than Design Professional Liability.**

Consultant agrees, at its cost and expense, to promptly defend the City, and the City's employees, officers, managers, agents and council members (collectively the "Parties to be Defended") from and against any and all claims, allegations, lawsuits, arbitration proceedings, administrative proceedings, regulatory proceedings, or other legal proceedings which arise out of, or relate to, or are in any way connected with: 1) the Services, work, activities, operations, or duties of the Consultant, or of anyone employed by or working under the Consultant, or 2) any breach of the Agreement by the Consultant. This duty to defend shall apply whether or not such claims, allegations, lawsuits or proceedings have merit or are meritless, or which involve claims or allegations that any or all of the Parties to be Defended were actively, passively, or concurrently negligent, or which otherwise assert that the Parties to be Defended are responsible, in whole or in part, for any loss, damage or injury. Consultant agrees to provide this defense immediately upon written notice from the City, and with well qualified, adequately insured and experienced legal counsel acceptable to City. This obligation to defend as set forth herein is binding on the successors, assigns and heirs of Consultant and shall survive the termination of Consultant's Services under this Agreement.

**11.5 Indemnity For Other Than Design Professional Liability.** Except as to the sole negligence or willful misconduct of the City, Consultant agrees to indemnify, protect and hold harmless the Indemnified Parties from and against any claim for damage, charge, lawsuit, action, judicial, administrative, regulatory or arbitration proceeding, damage, cost, expense (including counsel and expert fees), judgment, civil fine and penalties, liabilities or losses of any kind or nature whatsoever whether actual, threatened or alleged, which arise out of, pertain to, or relate to, or are a consequence of, or are attributable to, or are in any manner connected with the performance of the Services, work, activities, operations or duties of the Consultant, or anyone employed by or working under the Consultant or for services rendered to Consultant in the performance of this Agreement, notwithstanding that the City may have benefited from its work or services. This indemnification provision shall apply to any acts, omissions, negligence, recklessness, or willful misconduct, whether active or passive, on the part of the Consultant or anyone employed or working under the Consultant.

**12. Insurance.**

**12.1 General Provisions.** Prior to the City's execution of this Agreement, Consultant shall provide satisfactory evidence of, and shall thereafter maintain during the term of this Agreement, such insurance policies and coverages in the types, limits, forms and ratings required herein. The rating and required insurance policies and coverages may be modified in writing by the City's Risk Manager or City Attorney, or a designee, unless such modification is prohibited by law.



12.1.1 **Limitations.** These minimum amounts of coverage shall not constitute any limitation or cap on Consultant's indemnification obligations under Section 11 hereof.

12.1.2 **Ratings.** Any insurance policy or coverage provided by Consultant or subcontractors as required by this Agreement shall be deemed inadequate and a material breach of this Agreement, unless such policy or coverage is issued by insurance companies authorized to transact insurance business in the State of California with a policy holder's rating of A or higher and a Financial Class of VII or higher.

12.1.3 **Cancellation.** The policies shall not be canceled unless thirty (30) days' prior written notification of intended cancellation has been given to City by certified or registered mail, postage prepaid.

12.1.4 **Adequacy.** The City, its officers, employees and agents make no representation that the types or limits of insurance specified to be carried by Consultant pursuant to this Agreement are adequate to protect Consultant. If Consultant believes that any required insurance coverage is inadequate, Consultant will obtain such additional insurance coverage as Consultant deems adequate, at Consultant's sole expense.

12.2 **Workers' Compensation Insurance.** By executing this Agreement, Consultant certifies that Consultant is aware of and will comply with Section 3700 of the Labor Code of the State of California requiring every employer to be insured against liability for workers' compensation, or to undertake self-insurance before commencing any of the work. Consultant shall carry the insurance or provide for self-insurance required by California law to protect said Consultant from claims under the Workers' Compensation Act. Prior to City's execution of this Agreement, Consultant shall file with City either 1) a certificate of insurance showing that such insurance is in effect, or that Consultant is self-insured for such coverage, or 2) a certified statement that Consultant has no employees, and acknowledging that if Consultant does employ any person, the necessary certificate of insurance will immediately be filed with City. Any certificate filed with City shall provide that City will be given ten (10) days' prior written notice before modification or cancellation thereof.

12.3 **Commercial General Liability and Automobile Insurance.** Prior to City's execution of this Agreement, Consultant shall obtain, and shall thereafter maintain during the term of this Agreement, commercial general liability insurance and automobile liability insurance as required to insure Consultant against damages for personal injury, including accidental death, as well as from claims for property damage, which may arise from or which may concern operations by anyone directly or indirectly employed by, connected with, or acting for or on behalf of Consultant. The City, and its officers, employees and agents, shall be named as additional insureds under the Consultant's insurance policies.

12.3.1 Consultant's commercial general liability insurance policy shall cover both bodily injury (including death) and property damage (including, but not limited to, premises operations liability, products-completed operations liability, independent contractor's liability, personal injury liability, and contractual liability) in an amount not less than \$1,000,000 per occurrence and a general aggregate limit in the amount of not less than \$2,000,000.

12.3.2 Consultant's automobile liability policy shall cover both bodily injury and property damage in an amount not less than \$1,000,000 per occurrence and an aggregate limit of not less than \$1,000,000. All of Consultant's automobile and/or commercial general liability insurance policies shall cover all vehicles used in connection with Consultant's performance of this Agreement, which vehicles shall include, but are not limited to, Consultant owned vehicles, Consultant leased vehicles, Consultant's employee vehicles, non-Consultant owned vehicles and hired vehicles.

12.3.3 Prior to City's execution of this Agreement, copies of insurance policies or original certificates along with additional insured endorsements acceptable to the City evidencing the coverage required by this Agreement, for both commercial general and automobile liability insurance, shall be filed with City and shall include the City and its officers, employees and agents, as additional insureds. Said policies shall be in the usual form of commercial general and automobile liability insurance policies, but shall include the following provisions:

It is agreed that the City of Riverside, and its officers, employees and agents, are added as additional insureds under this policy, solely for work done by and on behalf of the named insured for the City of Riverside.

12.3.4 The insurance policy or policies shall also comply with the following provisions:

- a. The policy shall be endorsed to waive any right of subrogation against the City and its sub-consultants, employees, officers and agents for services performed under this Agreement.
- b. If the policy is written on a claims-made basis, the certificate should so specify and the policy must continue in force for one year after completion of the services. The retroactive date of coverage must also be listed.
- c. The policy shall specify that the insurance provided by Consultant will be considered primary and not contributory to any other insurance available to the City and Endorsement No. CG 20010413 shall be provided to the City.

12.4 **Errors and Omissions Insurance.** Prior to City's execution of this Agreement, Consultant shall obtain, and shall thereafter maintain during the term of this Agreement, errors and omissions professional liability insurance in the minimum amount of \$1,000,000 to protect the City from claims resulting from the Consultant's activities.

12.5 **Subcontractors' Insurance.** Consultant shall require all of its subcontractors to carry insurance, in an amount sufficient to cover the risk of injury, damage or loss that may be caused by the subcontractors' scope of work and activities provided in furtherance of this Agreement, including, but without limitation, the following coverages: Workers Compensation, Commercial General Liability, Errors and Omissions, and Automobile liability.

Upon City's request, Consultant shall provide City with satisfactory evidence that Subcontractors have obtained insurance policies and coverages required by this section.

13. **Business Tax.** Consultant understands that the Services performed under this Agreement constitutes doing business in the City of Riverside, and Consultant agrees that Consultant will register for and pay a business tax pursuant to Chapter 5.04 of the Riverside Municipal Code and keep such tax certificate current during the term of this Agreement.

14. **Time of Essence.** Time is of the essence for each and every provision of this Agreement.

15. **City's Right to Employ Other Consultants.** City reserves the right to employ other Consultants in connection with the Project. If the City is required to employ another consultant to complete Consultant's work, due to the failure of the Consultant to perform, or due to the breach of any of the provisions of this Agreement, the City reserves the right to seek reimbursement from Consultant.

16. **Accounting Records.** Consultant shall maintain complete and accurate records with respect to costs incurred under this Agreement. All such records shall be clearly identifiable. Consultant shall allow a representative of City during normal business hours to examine, audit, and make transcripts or copies of such records and any other documents created pursuant to this Agreement. Consultant shall allow inspection of all work, data, documents, proceedings, and activities related to the Agreement for a period of three (3) years from the date of final payment under this Agreement.

17. **Confidentiality.** All ideas, memoranda, specifications, plans, procedures, drawings, descriptions, computer program data, input record data, written information, and other materials either created by or provided to Consultant in connection with the performance of this Agreement shall be held confidential by Consultant, except as otherwise directed by City's Contract Administrator. Nothing furnished to Consultant which is otherwise known to the Consultant or is generally known, or has become known, to the related industry shall be deemed confidential. Consultant shall not use City's name or insignia, photographs of the Project, or any publicity pertaining to the Services or the Project in any magazine, trade paper, newspaper, television or radio production, website, or other similar medium without the prior written consent of the City.

18. **Ownership of Documents.** All reports, maps, drawings and other contract deliverables prepared under this Agreement by Consultant shall be and remain the property of City. Consultant shall not release to others information furnished by City without prior express written approval of City.

19. **Copyrights.** Consultant agrees that any work prepared for City which is eligible for copyright protection in the United States or elsewhere shall be a work made for hire. If any such work is deemed for any reason not to be a work made for hire, Consultant assigns all right, title and interest in the copyright in such work, and all extensions and renewals thereof, to City, and agrees to provide all assistance reasonably requested by City in the establishment, preservation and enforcement of its copyright in such work, such assistance to be provided at City's expense

but without any additional compensation to Consultant. Consultant agrees to waive all moral rights relating to the work developed or produced, including without limitation any and all rights of identification of authorship and any and all rights of approval, restriction or limitation on use or subsequent modifications.

20. **Conflict of Interest.** Consultant, for itself and on behalf of the individuals listed in Exhibit "C," represents and warrants that by the execution of this Agreement, they have no interest, present or contemplated, in the Project affected by the above-described Services. Consultant further warrants that neither Consultant, nor the individuals listed in Exhibit "C" have any real property, business interests or income interests that will be affected by this project or, alternatively, that Consultant will file with the City an affidavit disclosing any such interest.

21. **Solicitation.** Consultant warrants that Consultant has not employed or retained any person or agency to solicit or secure this Agreement, nor has it entered into any agreement or understanding for a commission, percentage, brokerage, or contingent fee to be paid to secure this Agreement. For breach of this warranty, City shall have the right to terminate this Agreement without liability and pay Consultant only for the value of work Consultant has actually performed, or, in its sole discretion, to deduct from the Agreement price or otherwise recover from Consultant the full amount of such commission, percentage, brokerage or commission fee. The remedies specified in this section shall be in addition to and not in lieu of those remedies otherwise specified in this Agreement.

22. **General Compliance With Laws.** Consultant shall keep fully informed of federal, state and local laws and ordinances and regulations which in any manner affect those employed by Consultant, or in any way affect the performance of services by Consultant pursuant to this Agreement. Consultant shall at all times observe and comply with all such laws, ordinances and regulations, and shall be solely responsible for any failure to comply with all applicable laws, ordinances and regulations. Consultant represents and warrants that Consultant has obtained all necessary licenses to perform the Scope of Services and that such licenses are in good standing. Consultant further represents and warrants that the services provided herein shall conform to all ordinances, policies and practices of the City of Riverside.

23. **Waiver.** No action or failure to act by the City shall constitute a waiver of any right or duty afforded City under this Agreement, nor shall any such action or failure to act constitute approval of or acquiescence in any breach thereunder, except as may be specifically, provided in this Agreement or as may be otherwise agreed in writing.

24. **Amendments.** This Agreement may be modified or amended only by a written agreement and/or change order executed by the Consultant and City.

25. **Termination.** City, by notifying Consultant in writing, shall have the right to terminate any or all of Consultant's services and work covered by this Agreement at any time. In the event of such termination, Consultant may submit Consultant's final written statement of the amount of Consultant's services as of the date of such termination based upon the ratio that the work completed bears to the total work required to make the report complete, subject to the City's rights under Sections 15 and 26 hereof. In ascertaining the work actually rendered through the

termination date, City shall consider completed work, work in progress and complete and incomplete reports and other documents only after delivered to City.

25.1 Other than as stated below, City shall give Consultant thirty (30) days' prior written notice prior to termination.

25.2 City may terminate this Agreement upon fifteen (15) days' written notice to Consultant, in the event:

25.2.1 Consultant substantially fails to perform or materially breaches the Agreement; or

25.2.2 City decides to abandon or postpone the Project.

26. **Offsets.** Consultant acknowledges and agrees that with respect to any business tax or penalties thereon, utility charges, invoiced fee or other debt which Consultant owes or may owe to the City, City reserves the right to withhold and offset said amounts from payments or refunds or reimbursements owed by City to Consultant. Notice of such withholding and offset, shall promptly be given to Consultant by City in writing. In the event of a dispute as to the amount owed or whether such amount is owed to the City, City will hold such disputed amount until either the appropriate appeal process has been completed or until the dispute has been resolved.

27. **Successors and Assigns.** This Agreement shall be binding upon City and its successors and assigns, and upon Consultant and its permitted successors and assigns, and shall not be assigned by Consultant, either in whole or in part, except as otherwise provided in paragraph 9 of this Agreement.

28. **Venue.** Any action at law or in equity brought by either of the parties hereto for the purpose of enforcing a right or rights provided for by this Agreement shall be tried in the Superior Court, County of Riverside, State of California, and the parties hereby waive all provisions of law providing for a change of venue in such proceedings to any other county. In the event either party hereto shall bring suit to enforce any term of this Agreement or to recover any damages for and on account of the breach of any term or condition of this Agreement, it is mutually agreed that each party will bear their own attorney's fees and costs.

29. **Nondiscrimination.** During Consultant's performance of this Agreement, Consultant shall not discriminate on the grounds of race, religious creed, color, national origin, ancestry, age, physical disability, mental disability, medical condition, including the medical condition of Acquired Immune Deficiency Syndrome (AIDS) or any condition related thereto, marital status, sex, genetic information, gender, gender identity, gender expression, or sexual orientation, military and veteran status, in the selection and retention of employees and subcontractors and the procurement of materials and equipment, except as provided in Section 12940 of the California Government Code. Further, Consultant agrees to conform to the requirements of the Americans with Disabilities Act in the performance of this Agreement.

30. **Severability.** Each provision, term, condition, covenant and/or restriction, in whole and in part, of this Agreement shall be considered severable. In the event any provision, term, condition, covenant and/or restriction, in whole and/or in part, of this Agreement is declared



invalid, unconstitutional, or void for any reason, such provision or part thereof shall be severed from this Agreement and shall not affect any other provision, term, condition, covenant and/or restriction of this Agreement, and the remainder of the Agreement shall continue in full force and effect.

31. **Authority.** The individuals executing this Agreement and the instruments referenced herein on behalf of Consultant each represent and warrant that they have the legal power, right and actual authority to bind Consultant to the terms and conditions hereof and thereof.

32. **Entire Agreement.** This Agreement constitutes the final, complete, and exclusive statement of the terms of the agreement between the parties pertaining to the subject matter of this Agreement and supersedes all prior and contemporaneous understandings or agreements of the parties. Neither party has been induced to enter into this Agreement by and neither party is relying on, any representation or warranty outside those expressly set forth in this Agreement.

33. **Digital and Counterpart Signatures.** Each party to this Agreement intends and agrees to the use of digital signatures that meet the requirements of the California Uniform Electronic Transactions Act (Civil Code §§ 1633.1, et seq.), California Government Code § 16.5, and California Code of Regulations Title 2 Division 7 Chapter 10, to execute this Agreement. The parties further agree that the digital signatures of the parties included in this Agreement are intended to authenticate this writing and to have the same force and effect as manual signatures for purposes of validity, enforceability, and admissibility. For purposes of this section, a “digital signature” is defined in subdivision (d) of Section 16.5 of the Government Code and is a type of “electronic signature” as defined in subdivision (h) of Section 1633.2 of the Civil Code. This Agreement may be executed in any number of counterparts, each of which will be an original, but all of which together will constitute one instrument. Each certified or authenticated electronic copy of an encrypted digital signature shall be deemed a duplicate original, constituting one and the same instrument and shall be binding on the parties hereto.

34. **Interpretation.** City and Consultant acknowledge and agree that this Agreement is the product of mutual arms-length negotiations and accordingly, the rule of construction, which provides that the ambiguities in a document shall be construed against the drafter of that document, shall have no application to the interpretation and enforcement of this Agreement.

34.1 Titles and captions are for convenience of reference only and do not define, describe or limit the scope or the intent of the Agreement or any of its terms. Reference to section numbers, are to sections in the Agreement unless expressly stated otherwise.

34.2 This Agreement shall be governed by and construed in accordance with the laws of the State of California in effect at the time of the execution of this Agreement.

34.3 In the event of a conflict between the body of this Agreement and Exhibit “A” - Scope of Services hereto, the terms contained in Exhibit “A” shall be controlling.



35. **Exhibits.** The following exhibits attached hereto are incorporated herein to this Agreement by this reference:

- Exhibit "A" - Scope of Services
- Exhibit "B" - Compensation
- Exhibit "C" - Key Personnel

**[SIGNATURES ON THE FOLLOWING PAGE]**

IN WITNESS WHEREOF, City and Consultant have caused this Agreement to be duly executed the day and year first above written.

CITY OF RIVERSIDE, a California charter city and municipal corporation

KRIEGER & STEWART, INCORPORATED, a California corporation

By: \_\_\_\_\_  
City Manager

By: Charles A. Krieger  
Print Name: Charles A. Krieger  
Title: President  
(Signature of Board Chair, President, or Vice President)

Attest: \_\_\_\_\_  
City Clerk

**and**

By: Joshua P. MacPeck  
Print Name: Joshua P. MacPeck  
Title: Secretary  
(Signature of Secretary, Assistant Secretary, CFO, Treasurer, or Assistant Treasurer)

Certified as to Availability of Funds:

By: [Signature]  
~~for~~ Chief Financial Officer

Approved as to Form:

By: [Signature]  
Deputy City Attorney

## **EXHIBIT A**

### **Scope of Services**

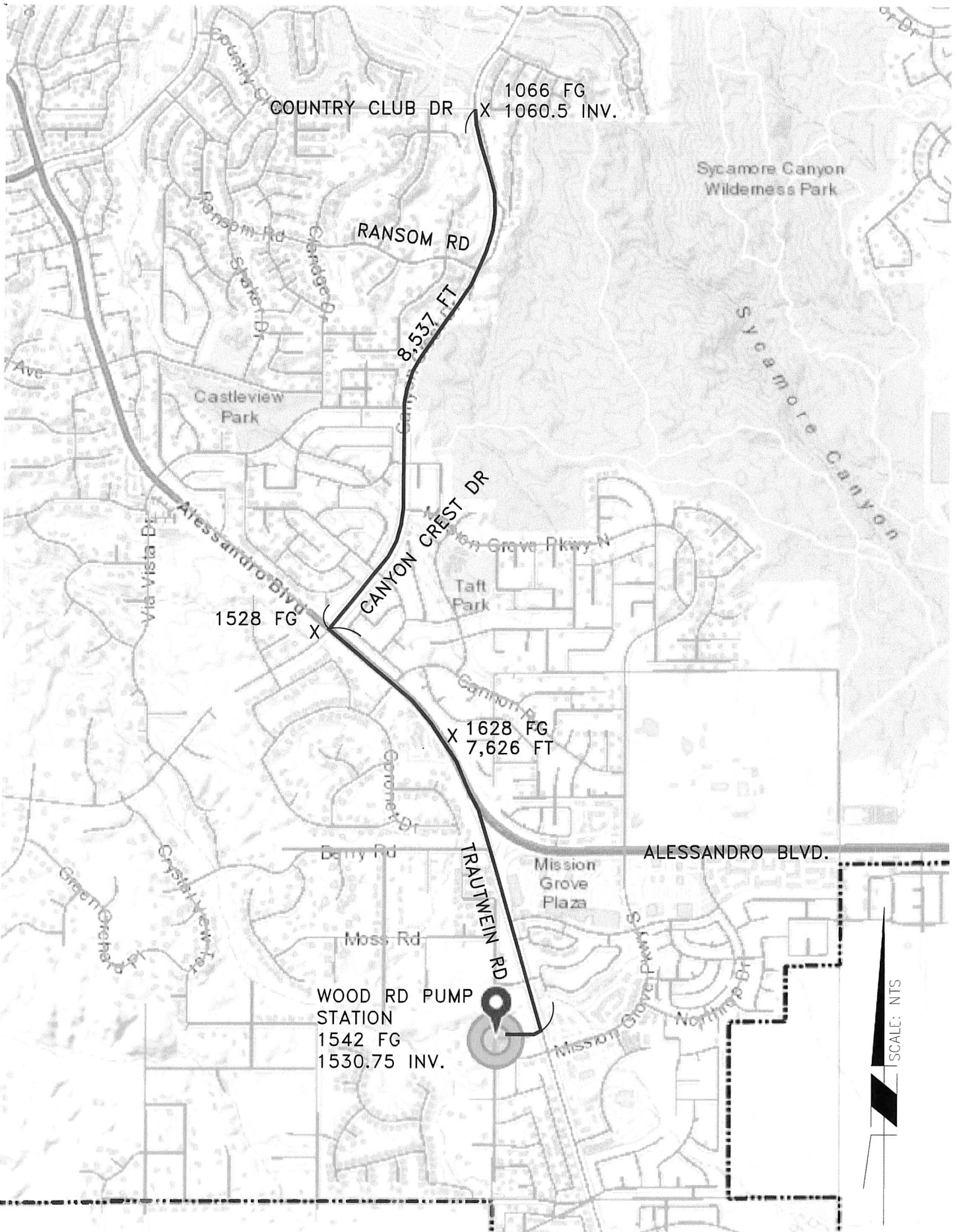
The Scope of Service at a minimum shall include Civil Engineering Services to prepare a Project Study Report-Project Development Support (PSR-PDS) to replace the existing Wood Road Lift Station with either a new gravity system or a combination of force main and gravity line to connect to the existing gravity sewer system.

The Scope of services shall also the tasks below for the Wood Road Lift station:

#### **Preliminary Study Services**

- a) Initial meeting with City staff
- b) Review existing documents, data, and plans.
- c) Geotechnical Investigation
- d) Evaluate three (3) build alternatives proposed by City staff included in Exhibits A1, A2 and A3.
- e) Propose and evaluate additional alternatives as necessary.
- f) Prepare a PSR-PDS to include all alternatives with high level budget costs, construction timeline, and permitting requirements for each feasible alternative.

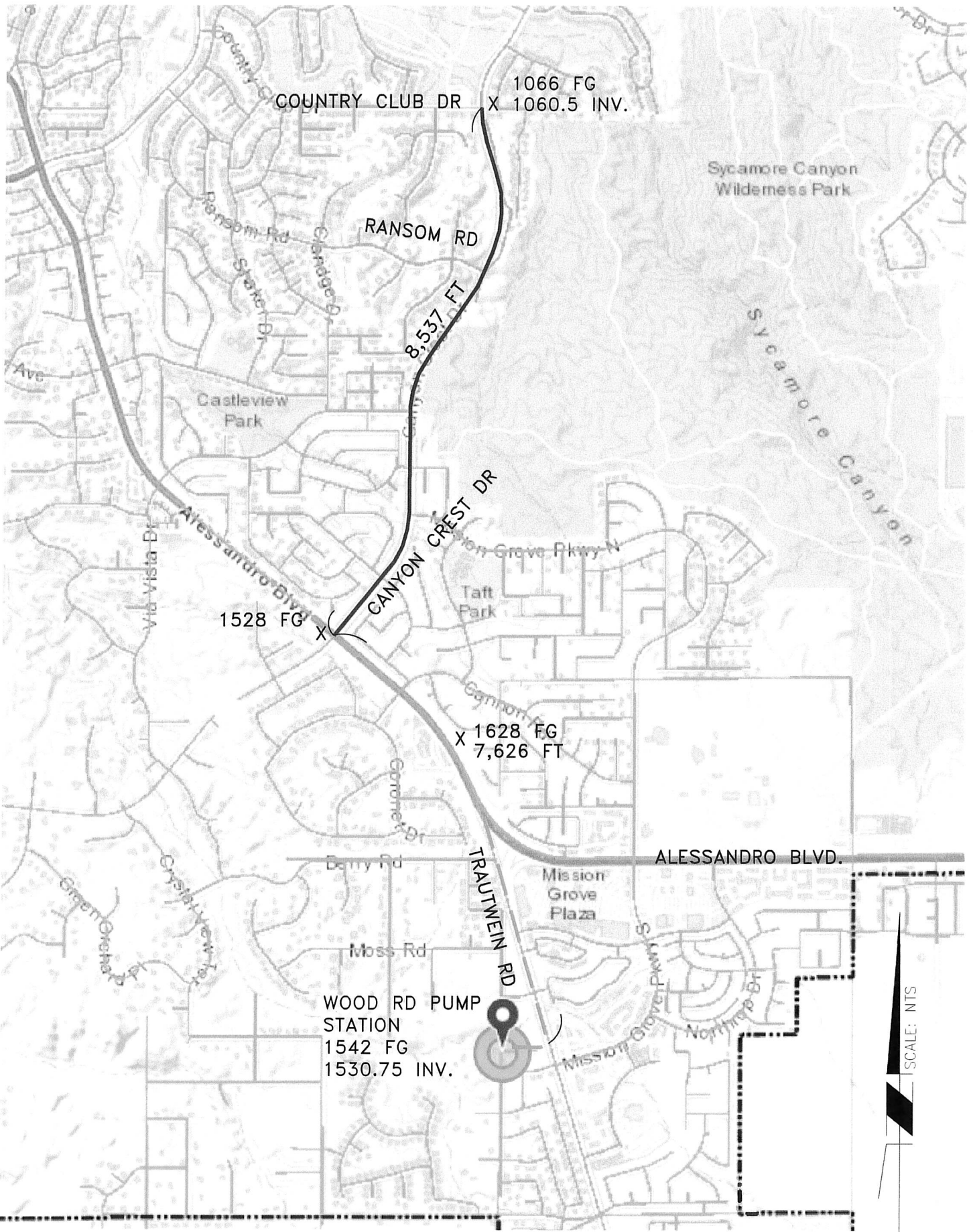
# EXHIBIT A1



— PROPOSED SEWER GRAVITY MAIN

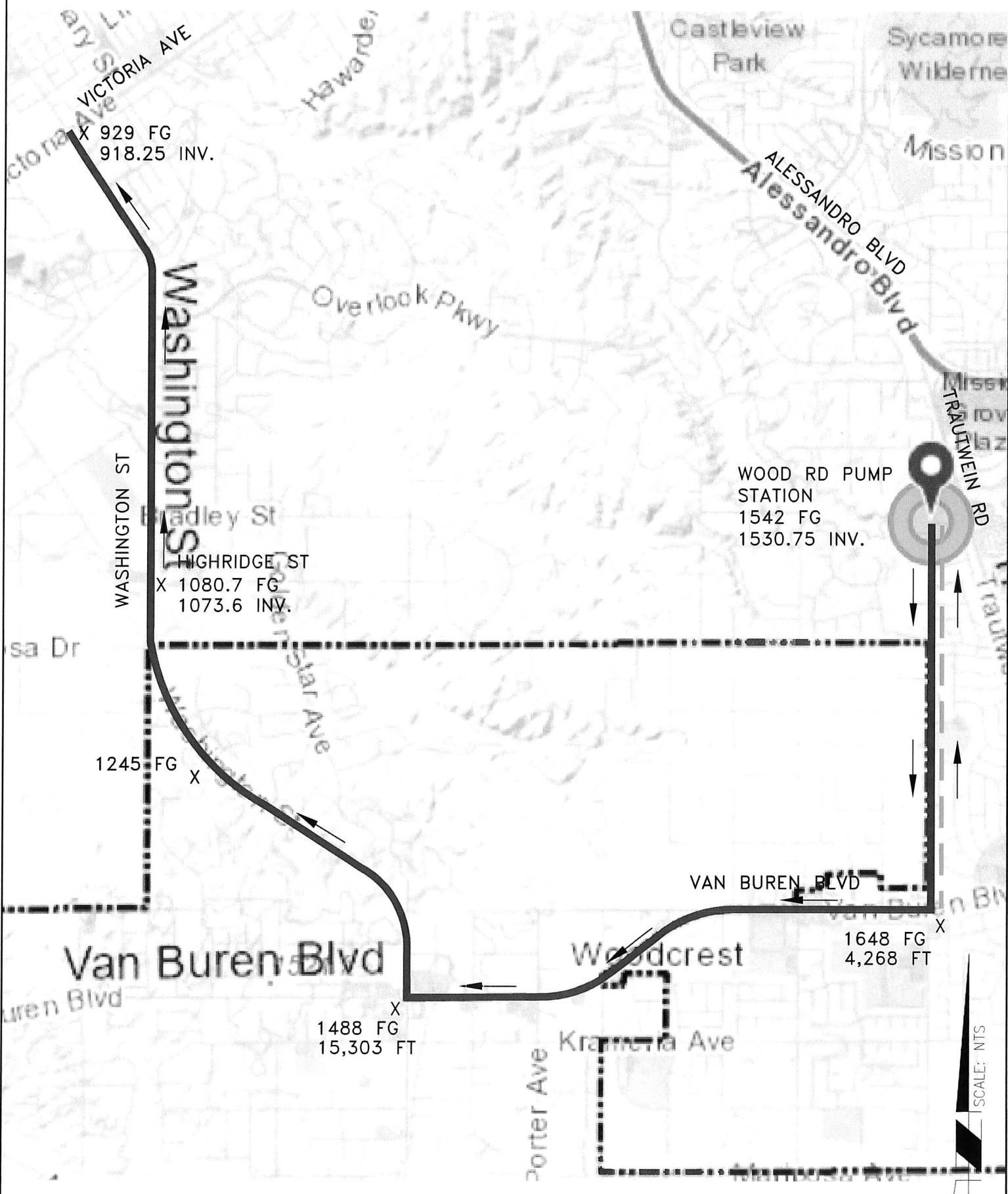


# EXHIBIT A2



- PROPOSED SEWER GRAVITY MAIN
- - - PROPOSED SEWER FORCE MAIN

EXHIBIT A3



WOOD RD PUMP  
STATION  
1542 FG  
1530.75 INV.

- PROPOSED SEWER GRAVITY MAIN
- - - CURRENT SEWER GRAVITY FLOW

SCALE: NTS



**EXHIBIT "B"**  
**COMPENSATION**

# ESTIMATED FEES FOR ENGINEERING SERVICES

## KRIEGER & STEWART

/ COMPONENT	PROJECT MANAGER (1)		PROJECT ENGINEER (2)		TECHNICAL ADVISOR (3)		CADD SERVICES (4)		CLERICAL (5)		OUT- SERV \$
	HOURS	\$	HOURS	\$	HOURS	\$	HOURS	\$	HOURS	\$	
3 WITH CITY STAFF	2	562	2	438					1	133	
ING DOCUMENTS, DATA, AND PLANS	2	562	8	1,752							
INVESTIGATION											10,7
ALTERNATIVES	9	2,529	48	10,512	18	4,518	48	8,640			
UATE ADDITIONAL ALTERNATIVE	3	843	16	3,504	6	1,506	16	2,880			
PDS	4	1,124	40	8,760	4	1,004	8	1,440	16	2,128	
	20	5,620	114	24,966	28	7,028	72	12,960	17	2,261	10,7
	SUBTOTAL:										
	REIMBURSABLES (2% OF K&S FEES ONLY)										
	ENGINEERING SERVICES TOTAL (ROUNDED)										

**OUTSIDE SERVICES:**

(6) CONVERSE CONSULTANTS, INC

DUPLICATE		
ENGINEER	@	\$281 /Hr
ENGINEER III	@	\$219 /Hr
ENGINEER II	@	\$251 /Hr
ENGINEER I	@	\$180 /Hr
ENGINEER III	@	\$133 /Hr



**KRIEGER & STEWART, INCORPORATED**  
**FEE SCHEDULE**  
**2024**

<b>CLASSIFICATION</b>	<b>RATES \$/Hr.</b>
<b>Consulting, Design, Construction, Engineering, Environmental, Commissioning, and Surveying Services (Office)</b>	
Principal	281.00
Senior III	265.00
Senior II	251.00
Senior I	234.00
Associate III	226.00
Associate II	219.00
Associate I	212.00
Staff III	204.00
Staff II	180.00
Staff I	157.00
<b>Computer Aided Design Services</b>	
Operator III	180.00
Operator II	171.00
Operator I	160.00
<b>Surveying Services (Field)</b>	
2 Man Crew with Standard Equipment and Survey Truck	313.00
1 Man Crew with Standard Equipment and Survey Truck	242.00
3rd Man on Crew	145.00
<b>Construction Services (Field)</b>	
Construction Engineer	226.00
Electrical Inspector	200.00
Construction Inspector:	
Regular Time	158.00
Overtime:	
Weekdays (8 hours to 12 hours)	188.00
Weekdays (More than 12 hours)	227.00
Saturday (12 hours or less)	188.00
Saturday (More than 12 hours)	227.00
Sunday and Holiday (Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day and the Day After, Christmas Day)	227.00
<b>Support Services</b>	
Staff Technician III	133.00
Staff Technician II	127.00
Staff Technician I	122.00
Utility Clerk III	96.00
Utility Clerk II	88.00
Utility Clerk I	87.00



**KRIEGER & STEWART, INCORPORATED**  
**FEE SCHEDULE**  
**2024**  
**(continued)**

<b>CLASSIFICATION</b>	<b>RATES</b> <b>\$/Hr.</b>
<b>Outside Services</b>	
Special Consultants and Purchased Services	Cost + 15%
<b>Reimbursable Expenses</b>	
Vehicle Mileage	0.72 /Mile
Travel and Subsistence, including Air Fare, Ground Fare, and Vehicle Parking	Cost
Specialized Rental Equipment	Cost
Copies, Delivery, Postage, Prints, Telephone, and Sundry Charges	Cost

The above rates are subject to change on or about January 1 each year due to salary and cost increases, except for Construction Inspector and Survey Crew rates which are also subject to change if California Department of Industrial Relations issues new prevailing wage determinations during the course of the year. A gasoline surcharge may be included in response to increased prices; no such surcharge will be included on project invoices without prior notification.

**TERMS OF PAYMENT:**

Unless charge accommodations have been established beforehand, all accounts shall be prepaid. For accounts having charge accommodations, payment in full shall be made within 30 days of date of invoice. Any amount unpaid within said 30 days will be assessed a service charge of 1-1/2% per month (18% annual percentage rate), with a minimum charge of 1.00. Accounts with a past due balance of 30 days or more are subject, without notice, to credit discontinuance and mechanic's lien or stop notice. If it becomes necessary for Krieger & Stewart to initiate legal proceedings for the collection of any balance due, the action shall be brought and tried in the Judicial Districts wherein Krieger & Stewart offices are located. Client agrees that the court may award reasonable attorney's fees and costs of suit to the prevailing party.

2024-FEES (10/18/2023)

**EXHIBIT "C"**

**KEY PERSONNEL**

**KRIEGER & STEWART  
RESUMES**



**WOOD ROAD LIFT STATION REPLACEMENT PROJECT  
PROJECT STUDY REPORT-PROJECT DEVELOPMENT SUPPORT (RFP NO. 2332)**

**KRIEGER & STEWART, INCORPORATED  
STAFF RESUME**

**JOSH P. MACPEEK  
PROJECT MANAGER**

**Years of Experience:** 27 **Years at Krieger & Stewart:** 24

**License:** California Registered Civil Engineer No. 62220

**Education:** Bachelor of Science in Civil Engineering, University of Arkansas

**Professional Summary:** MacPeek has considerable experience in the design, construction, and startup of sewer lift stations, booster stations, recycled water, water, and wastewater treatment plants, pipelines, and water storage reservoirs with projects ranging in costs from \$500K to \$55M.

MacPeek has considerable experience serving as a Project Manager and Project Engineer in providing design and construction engineering for sewage lift stations, booster stations, water, and wastewater treatment plants for public agencies. MacPeek's typical duties include supervision of staff, performance of hydraulic analyses and modeling, performance of preliminary design (including facility sizing and siting), preparation of final contract documents (including plans and specifications), coordination with clients' staff, quality assurance (including final checking and contract document approval), and managing all aspects of construction engineering services.

**Relevant Project Experience:**

1. **City of Riverside Public Works Department's Wood Rd Lift Station and Krameria Ave Lift Station (underway)**
  - Prepare site layouts, cost estimates, hydraulic analyses, pumping unit selection, CEQA Initial Study and Mitigation Monitoring and Reporting Program, radio survey, geotechnical investigation, surge analysis, electrical service application, and Contract Documents for new Krameria Ave Lift Station and for improvements to existing Wood Rd Lift Station.
  - Krameria Ave Lift Station: 835 gpm capacity submersible lift station, wet well with two submersible pumping units, emergency storage tank, emergency generator, portable engine driven backup pump, odor control systems, electrical switchgear, motor control center, sunshade, and surge tank.
  - Wood Rd Lift Station: addition of emergency storage tank.
2. **City of Riverside Public Works Department's Sewage Lift Station and Force Main Guidelines**
  - Developed lift station and force main guidelines.
  - Prepared sample site plans and lift station plans and sections.
3. **City of Riverside Public Works Department's Crest Lift Station Upgrade**
  - 265 gpm capacity submersible sewage lift station with two 10 hp submersible pumping units in 29' deep wet well and emergency storage chamber with 1 hour detention time.
  - Electrical switchgear, motor control center, manual transfer switch for portable generator connection, and controls.
  - Removal and demolition of existing lift station facilities.
4. **Western Municipal Water District's Sewage Lift Station and Force Main Guidelines and Submersible Lift Station Standard Specifications**
  - Developed lift station and force main guidelines and sample wet well and control building plans and sections.
  - Guidelines included criteria for procedures, general requirements, capacity, site, force main, raw sewage pumps, pump mounting and removal, wet well, pump discharge piping, odor control, electrical and controls, emergency power, telemetry equipment, control building, and miscellaneous materials.
  - Prepared stand alone specification with materials for construction of sewage lift stations including pumps, generator, motor control centers, control panels, piping, valves, concrete, etc.
5. **Eastern Municipal Water District's Small Sewage Lift Station Guidelines, Standard Drawings, and Specifications**
  - Developed lift station guidelines and criteria for small lift stations.
  - Prepared standard lift station drawings including mechanical, structural, and electrical drawings for station from 120 gpm to 500 gpm.
  - Prepared stand alone specification with materials for construction of small sewage lift station including pumps, generator, motor control centers, control panels, piping, valves, etc.

KRIEGER & STEWART, INCORPORATED  
STAFF RESUME

**JOSH P. MACPEEK**  
**PROJECT MANAGER**

**Relevant Project Experience (continued):**

**6. Eastern Municipal Water District's De Anza Sewage Lift Station Force Main**

- Preparation of preliminary design including design workshops with EMWD staff, cost analyses for alternative force main alignments, hydraulic analyses, and planning for future lift station expansion.
- Preparation of drawings and specifications for approximately 7,600 lineal feet of parallel 12" and 20" sewage force main piping from De Anza Lift Station to San Jacinto Valley Regional Water Reclamation Facility (SJVRWRF).
- Project components included above grade piping and flowmeter to connect to existing headworks at SJVRWRF and above grade piping connections to existing De Anza Lift Station to accommodate proposed and future discharges from De Anza Lift Station.

**7. Eastern Municipal Water District's Diaz Sewage Lift Station Replacement**

- Preparation of site alternatives and cost analyses for Diaz only and for regional lift station.
- Hydraulic analyses and pumping unit selection for capacity of 12 MGD and ultimate capacity of 40 MGD.
- 12 MGD capacity submersible sewage lift station with four 100 hp submersible pumping units with VFDs.
- Scum removal system with overflow collection weir, spray header, and scum wet well with two 25 hp scum pumps.
- Control building housing emergency standby generator, electrical switchgear, motor control center, and controls.
- Biofilter for odor control.
- Removal and demolition of existing lift station.

**8. Eastern Municipal Water District's Wine Country Infrastructure Project - Armada Place and Loma Ventoso Lift Stations**

- Preparation of site alternatives, cost analysis, hydraulic analyses, pumping unit selection, and construction documents for two new sewage lift stations, gravity sewer, and sewage forcemain pipelines.
- 1000 gpm capacity submersible lift station with two 40-hp submersible pumping units (Loma Ventoso Lift Station).
- 570 gpm capacity submersible lift station with two 60-hp submersible pumping units (Armada Place Lift Station).
- Control building housing emergency standby generator, electrical switchgear, motor control center, and controls (one for each lift station).
- Biofilter for air phase odor control (one for each lift station).

**9. Coachella Valley Water District's WRP 10 T-1 Pump Station Replacement**

- Design of new, replacement pump station to supply non-potable water to existing and future customers (primarily golf courses) in two pressure zones (low and high pressure zones) and 5 MG lined and covered equalization basin.
- Pump station includes pump structure with two separate wet wells and splitter box, electrical instrumentation and controls, and low and high pressure system pump banks.
- Low pressure system pump bank capacity of 11,550 gpm, including four vertical turbine pumps.
- High pressure system pump bank capacity of 13,200 gpm, including five vertical turbine pumps.
- Project includes masonry block building to house electrical switchgear, and piping.

**10. Jurupa Community Services District's Recycled Water Pump Station**

- Recycled Water Pump Station at Western Riverside County Regional Wastewater Treatment Plant to convey recycled water to City of Corona, City of Norco, and JCSD.
- Demolition of existing filtration, disinfection, and electrical facilities and site piping.
- The Pump Station consists of two pump banks (North Pump Bank with one (1) 125 hp and three (3) 400 hp pumping units, and 7,250 gpm total capacity; South Pump Bank with two (2) 150 hp pumping units and 4,500 gpm total capacity). Both North and South Pump Banks are capable of expansion for one (1) additional pumping unit.
- New flow control valves and associated instrumentation.
- 31,000 gallon hydropneumatic tank for North Recycled Water System.
- 7,000 gallon surge tank for South Recycled Water System.
- Replacement of 1,000 kVA service transformer with 1,500 kVA SCE service transformer and 4,000 A service switchboard.
- New masonry block and steel Electrical Building.
- New 15-ton roof-mounted packaged air conditioner.
- New 1,500 kW diesel gas engine driven emergency generator standby generator for North Pump Bank.

KRIEGER & STEWART, INCORPORATED  
STAFF RESUME

**JOSH P. MACPEEK**  
**PROJECT MANAGER**

**Relevant Project Experience (continued):**

**11. Rancho California Water District's Redhawk Reclaimed Water Pump Station**

- Design and construction of conversion of belowgrade pump station (2,500 gpm capacity) to abovegrade pump station in a masonry block building.
- Hydraulic analyses to evaluate two alternatives to accommodate future pump station demands. Alternative No. 1 being the addition of a fourth 860 gpm pumping unit to the station. Alternative No. 2 replaces the existing pumps with three new 850 gpm pumps.
- Selection of three new 850 gpm capacity pumps.
- Preliminary Design Report containing a conceptual site layout of new pumps, piping, and appurtenances.

**12. Eastern Municipal Water District's On-Call Plan Checking and/or Construction Support Services for Lift Stations by Developers (2000 - present)**

Plan checking and/or construction phase services for over 60 sewage lift stations ranging in flows from 0.2 MGD to 2.4 MGD. Lift stations have included:

- Monte Verde Road Sewage Lift Station
- Pourroy Road Sewage Lift Station
- Cottonwood Avenue Sewage Lift Station
- Pacific Landing Lift Station
- Audie Murphy Regional Lift Station
- Baxter Road Sewage Lift Station
- Clearview Street Sewage Lift Station
- Warren Road (The Cove) Sewage Lift Station
- French Valley Airport Lift Station
- Soboba Casino Sewage Lift Station

**13. City of Corona Department of Water and Power's Ahmanson Lift Station Upgrade**

- 125 gpm capacity submersible lift station with 5 hp submersible pumping units.
- Electrical switchgear, motor control center, automatic transfer switch and emergency standby generator.
- Liquid phase odor control system (Biomagic).
- Air phase odor control system (Carbon Filter).
- Removal and demolition of existing lift station facilities.

**14. Coachella Valley Water District's Booster Station No. 5513 Improvements**

- Design of new 12,000 gallon hydropneumatic booster station, pressure reducing station, and 800 LF of 12" pipeline.
- Booster station pump capacity of 1,600 gpm, including three low flow pumps and one high flow pump housed within a masonry block building along with associated electrical switchgear (motor control center) and controls.
- Project includes upgraded electrical service.

**15. Coachella Valley Water District's Booster Station No. 05611 Rehabilitation and Upgrade**

- Demolition of existing hydropneumatic tank, surge tank, MCC, pumps, and piping valves.
- Design of a new 3,500 gallon hydropneumatic tank and a 1,500 gallon surge tank.
- Booster station pump capacity of 1,700 gpm, including one high flow 1,500 gpm pump and two low flow 200 gpm pumps housed within a masonry block building along with associated electrical switchgear (motor control center) and controls.
- Modifications to existing masonry building, including new concrete roof, new HVAC components, new door, and structural reinforcement of west wall.
- Emergency standby generator.
- Project includes upgraded electrical service.

WOOD ROAD LIFT STATION REPLACEMENT PROJECT  
PROJECT STUDY REPORT-PROJECT DEVELOPMENT SUPPORT (RFP NO. 2332)

KRIEGER & STEWART, INCORPORATED  
STAFF RESUME

**SINISA SARIC**  
**TECHNICAL ADVISOR**

**Years of Experience:** 36

**Years at Krieger & Stewart:** 27

**License:** California Registered Civil Engineer No. 65367  
California Registered Land Surveyor No. 8737  
NASSCO CIPP Inspector No. 514-0201367  
NASSCO Manhole Rehabilitation Inspector No. MR-814-0100163

**Education:** Bachelor of Science in Civil Engineering, University of Sarajevo, Bosnia-Herzegovina

**Professional  
Summary:**

Saric has considerable experience in the planning, design, construction, and management of water, recycled water, and wastewater projects.

Saric routinely serves as Project Manager and Project Engineer responsible for providing design, bidding, and construction phase engineering services to public agency clients. Typical duties include supervision of staff, performance of preliminary design (including facility sizing and siting), preparation of final contract documents (including plans and specifications), coordination with clients' staff, quality assurance (including final checking and contract document approval), and managing all aspects of construction engineering services.

**Relevant Project Experience:**

1. **Eastern Municipal Water District's Oliver Street Sewer SR-60 Crossing**
  - 650± LF of 15" VCP gravity sewer.
  - Bore and jack 36" steel casing with 330' of 18" microtunneling VCP pipe.
  - Preparation of legal description and plats.
2. **City of Riverside's State Route 91 HOV Lane Project (Water Utility Bore and Jack Relocation)**
  - Relocation of the City's 24", 30", and 36" water pipelines under State Route 91 in advance of widening the freeway.
  - Work involved boring and jacking 42", 48", and 54" steel casings under State Route 91 at depths up to 55 feet; placing 24", 30", and 36" pipelines in the casings; testing and disinfecting the pipelines; connections to existing pipelines; and abandoning the existing pipelines.
3. **Yucaipa Valley Water District's I-10 Sewer Crossing**
  - 414± LF of bore and jack 36" steel casing.
  - 600± LF of 18" HPPE gravity sewer.
  - 740± LF of 15" SDR35 PVC gravity sewer.
4. **Yucaipa Valley Water District's Oak Valley Offsite Sewer Force Main and Gravity Sewer**
  - 5,200± LF of 24" HDPE gravity sewer.
  - 2,870± LF of 21" VCP gravity sewer.
  - 490± LF of 18" VCP gravity sewer.
  - 790± LF of 15" VCP gravity sewer.
  - 4,200± LF of 12" DIP waterline.
  - Open cut trench under I-10.
  - Caltrans permit.
5. **Coachella Valley Water District's Varner Road Sewer Rehabilitation**
  - Preparation of contract documents, bid phase support, and engineering services during construction.
  - Rehabilitation of 1,300± LF of existing 30" sewer cured-in-place pipe (CIPP).
  - Bypass of existing sewer flows.



KRIEGER & STEWART, INCORPORATED  
STAFF RESUME

SINISA SARIC  
TECHNICAL ADVISOR

Relevant Project Experience (continued):

6. **Coachella Valley Water District's Manhole Rehabilitation and Replacement Project**
  - Preparation of contract documents, bid phase support, and engineering services during construction.
  - Rehabilitation of thirteen (13) sewer manholes (48" and 60" diameter) utilizing polymer concrete structural inserts (Armorock).
  - Removal and disposal of existing concrete manhole.
7. **Coachella Valley Water District's Sewer Pipeline Rehabilitation for Palm Desert and Thousand Palms (SA 2104)**
  - 1,790± LF of 12" cured-in-place pipe (CIPP).
  - 404± LF of 10" CIPP.
  - 207± LF of 8" CIPP.
  - 1,995± LF of 6" CIPP.
  - Top hats for associated service laterals.
  - Encroachment permits from City of Palm Desert and Riverside County Transportation Department.
8. **Coachella Valley Water District's La Quinta Irrigation Distribution Improvements**
  - Preparation of contract documents for pipeline, permitting, and project management (including QA/QC), bid phase support, and engineering services during construction.
  - Project includes 11,000± LF of 24" PVC replacement pipeline, 2,600± LF of 18" PVC replacement pipeline, and 5,400± LF of 12" PVC replacement pipeline.
  - Requires maintaining continuous irrigation service during construction.
9. **Coachella Valley Water District's Mission Hills Pressure Zone Transmission Main (to Reservoir 4606-1)**
  - Preparation of contract documents for 22,140± LF of 36" ductile iron pipe and appurtenances, bid phase support, and engineering services during construction.
  - Pipe jacking of 380± LF and 550± LF of 66" steel casings.
  - Preparation of detailed construction sequence.
  - Multiple connections to existing water system.
10. **Coachella Valley Water District's Sky Mountain Pressure Zone Transmission Main (to Reservoir 4605-1)**
  - Preparation of contract documents for 13,000± LF of 36" ductile iron pipe and appurtenances, including multiple connections to existing water system, bid phase support, and engineering services during construction.
  - Preparation of detailed construction sequence.
11. **Coachella Valley Water District's Avenue 59 Drain Replacement and Irrigation Lateral 101.3/Avenue 55 Fillmore Drain Improvement**
  - Preparation of contract documents, bid phase support, and engineering services during construction.
  - Project includes 5,700± LF of 18" HDPE replacement drain pipelines, including manholes and connections to private tile drains, and replacement of irrigation metering facilities.
12. **Coachella Valley Water District's Rancho La Quinta Golf Course Connection Project**
  - Preparation of contract documents, bid phase support, and engineering services during construction.
  - Connection of non-potable water connection, with meter vault, control valve vault, and lake discharge.
13. **East Valley Water District's Water Main Seismic Retrofit**
  - Preparation of contract documents for replacement of 34,500 LF of existing seismically vulnerable distribution waterlines with 8", 12", and 16" ductile iron pipe, including re-connection of all existing customers to new waterlines.
14. **Coachella Valley Water District's Thermal Mutual Water Company Consolidation Project**
  - Preparation of contract documents for 2,400± LF of 8" ductile iron pipeline and appurtenances.
  - Involved destruction of private water wells and abandonment of private waterlines.
15. **Eastern Municipal Water District's French Valley Recycled Water Distribution Pipeline, Phase II**
  - 3,350± LF of 8" C900 PVC pipeline and appurtenances.
  - 10,400± LF of 12" C900 PVC pipeline and appurtenances.

KRIEGER & STEWART, INCORPORATED  
STAFF RESUME

SINISA SARIC  
TECHNICAL ADVISOR

Relevant Project Experience (continued):

**16. Eastern Municipal Water District's French Valley Recycled Water Distribution Pipeline, Phase I**

- Construction of approximately 3,100 LF of 12" PVC recycled waterlines and associated appurtenances (valves, blowoffs, and air valves).
- This project included preparation of Contract Documents and construction support services (submittal and RFI review).

**17. Yucaipa Valley Water District's Yucaipa Boulevard Sewer - Hampton Road to 18th Street**

- 2,550± LF of 8" vitrified clay pipe and appurtenances.

**18. Yucaipa Valley Water District's Wildwood Canyon Road Sewer Pipeline**

- 1,700± LF of 16" ductile iron pipeline and appurtenances.

**19. Coachella Valley Water District's FY 2020-2021 Onsite Pipeline Projects**

- Redesign of eight (8) non-potable water connections to provide non-potable water for irrigation purposes to seven (7) locations.
- 3,350± LF of 12" C909 PVCO pipe and appurtenances.
- 1,400± LF of 10" C909 PVCO pipe and appurtenances.
- 7,070± LF of 8" C909 PVCO pipe and appurtenances.
- 3,270± LF of 6" C909 PVCO pipe and appurtenances.
- Associated meter vaults and control valve vaults.
- Preparation of legal descriptions and plats for easements.
- Preparation of contract documents and bid phase support.

**20. Coachella Valley Water District's Bermuda Dunes Country Club Non-Potable Water Connection Project**

- Preparation of contract documents for 10,500± LF of 18" and 12" ductile iron pipelines and appurtenances.
- Project includes connection to existing system, meter vault and control valve vault structures, and lake discharge.

**21. Coachella Valley Water District's Low Pressure Non-Potable Water Pipeline Improvement Project**

- Preparation of contract documents for 7,000± LF of 30" ductile iron pipeline and appurtenances, including connections to existing system.

**22. Coachella Valley Water District's Irrigation Lateral 123.45-6.0 Replacement Project**

- Preparation of contract documents for 11,000± LF of PVC pipe and appurtenances.
- Replacement of eight irrigation services with propeller meters and manually operated valves.
- Involved preparation of detailed construction sequence.
- Requires maintaining continuous irrigation service during construction.

**24. City of Colton's 24" Transmission Pipeline**

- Preparation of contract documents, bid phase support, construction management, and inspection.
- Project includes 18,000± LF of 24" ductile iron pipe and appurtenances, including multiple connections to existing system.
- Obtaining multiple encroachment permits/licenses (City, Caltrans, Union Pacific Railroad, and Burlington Northern Santa Fe).
- Preparation of detailed construction sequence.



WOOD ROAD LIFT STATION REPLACEMENT PROJECT  
PROJECT STUDY REPORT-PROJECT DEVELOPMENT SUPPORT (RFP NO. 2332)

KRIEGER & STEWART, INCORPORATED  
STAFF RESUME

NEAL R. WATSON  
PROJECT ENGINEER

Years of Experience: 23 Years at Krieger & Stewart: 23

License: Engineer in Training No. 117962

Education: Bachelor of Science in Civil Engineering, California State Polytechnic University, Pomona

Professional  
Summary:

Watson has experience providing design engineering, plan checking, and hydraulic modelling for master plan projects, sewage lift stations, booster stations, and water reservoirs for public agencies. Watson's typical duties include creation and calibration of hydraulic models in Innowyze's InfoWater and H2Onet software, performance of pressure flow hydraulics analyses, system balance analyses, structural design, and preparing cost estimates.

Watson is proficient in utilizing Innowyze's InfoWater and Innowyze's H2Onet.

Relevant Project Experience:

1. Coachella Valley Water District's WRP 10 T-1 Pump Station Replacement

- Design of new replacement pump station to supply non-potable water to existing and future customers (primarily golf courses) in two pressure zones (low and high pressure zones) and 5 MG lined and covered equalization basin.
- Pump station includes pump structure with two separate wet wells and splitter box, electrical instrumentation and controls, and low and high pressure system pump banks.
- Low pressure system pump bank capacity of 11,550 gpm, including four vertical turbine pumps.
- High pressure system pump bank capacity of 13,200 gpm, including five vertical turbine pumps.
- Project includes masonry block building to house electrical switchgear.

2. Coachella Valley Water District's Booster Station No. 05611 Rehabilitation and Upgrade

- Demolition of existing hydropneumatic tank, surge tank, MCC, pumps, and piping valves.
- Design of a new 3,500 gallon hydropneumatic tank and a 1,500 gallon surge tank.
- Booster station pump capacity of 1,700 gpm, including one high flow 1,500 gpm pump and two low flow 200 gpm pumps housed within a masonry block building along with associated electrical switchgear (motor control center) and controls.
- Modifications to existing masonry building, including new concrete roof, new HVAC components, new door, and structural reinforcement of west wall.
- Emergency standby generator.
- Project includes upgraded electrical service.

3. Eastern Municipal Water District's The Cove (Tract No. 30036) Potable Water Booster Station

- Station capacity of 1,700 gpm with three pumping units (one duty, one high flow, and one standby).
- Two 25 hp and one 75 hp vertical turbine pumping units with electric motor drivers.
- New flow control valves and associated instrumentation.
- Hydropneumatic tank provided on discharge piping to supply water in a closed system.
- Masonry block and steel equipment building.
- Diesel gas engine driven emergency standby generator equipped with passive diesel particulate filter and resistive load bank.

**WOOD ROAD LIFT STATION REPLACEMENT PROJECT  
PROJECT STUDY REPORT-PROJECT DEVELOPMENT SUPPORT (RFP NO. 2332)**

**KRIEGER & STEWART, INCORPORATED  
STAFF RESUME**

**NEAL R. WATSON  
PROJECT ENGINEER**

**Relevant Project Experience (continued):**

**4. Eastern Municipal Water District's Western Way Pump Station**

- Hydraulic analysis and modeling for present and future (2012, 2020, 2030, ultimate) water supply from MWD Perris Valley Pipeline to District 1627 and 1705 Zones, and pumping unit selection.
- Design for initial operation with provision to add and change pumping units for future operation.
- 1627 Zone with ultimate six pumping units, five at 300 hp at 32,000 gpm initial capacity and six 500 hp pumping units at 58,800 gpm future capacity.
- 1705 Zone with ultimate three pumping units, two 60 hp pumping units at 1,800 gpm initial capacity and three 350 hp pumping units at 10,500 gpm future capacity.
- Tilt-up concrete pump building with two bridge cranes.
- Ultimate site layout and preliminary design for addition of stationary standby generator building.
- Variable frequency drives for all pumping units.
- Design of electrical and control facilities for expansion to accommodate ultimate requirements.

**5. Yucaipa Valley Water District's Non-Potable Reservoirs NR-10.3.1 and NR-10.3.2 and Non-Potable Booster Station NB-10.3**

- The project consists of two 1.0 MG Non-Potable Reservoirs (NR-10.3.1 and NR-10.3.2) and the Non-Potable Booster Pumping Station NB-10.3 (NB-10.3). The NB 10.3 includes two separate pump stations which pump out of the Non-Potable Reservoirs NR-10.3.1 and NR-10.3.2. One pump station (12 Zone Pump Station) will pump to the 12 Zone and the other pump station (11 Zone Pump Station) will pump to the 11 Zone.
- The 12 Zone Pump Station will initially be equipped with two 400 hp pumps (one duty, one standby) with a capacity of 3,100 gpm and pump can for future 400 hp pump. Ultimately, the pump station will be equipped with three 400 hp pumps (two duty and one standby) with a capacity of 6,200 gpm.
- The 11 Zone Pump Station will not initially be equipped with pumps. Suction piping and three pump cans sized for 1,600 gpm pumps will be installed as part of the project. The project includes a 6,800 gallon surge tank, a manual transfer switch, and a generator termination box for connection to the District's portable generator.

**6. Indian Wells Valley Water District's Recoating of Gateway, C-Zone, D-Zone, and College Reservoirs**

- Contract document preparation and contract administration for structural modifications and recoating of four steel reservoirs ranging in capacity from 100,000 gallons to 550,000 gallons.
- Design included field inspection of interior structural member and coating conditions, evaluation and upgrade design of safety systems for OSHA code compliance, and evaluation and upgrade design of operational appurtenances, including float gauges and grade ring.

**7. Indian Wells Valley Water District's Hydraulic Modeling Services**

- Create InfoWater hydraulic model matching District GIS, supply and demand records, and calibrate model to match field conditions.
- Analysis of system's ability to support peak hour demand, maximum day demand, maximum day demand plus fire flow, and identify necessary system improvements.
- Analysis of the ability of the existing water system to provide required fire flow at specified locations.

**8. Desert Water Agency's Hydraulic Modeling Services**

- Update existing H2Onet hydraulic model to match Agency construction, supply and demand records, and calibrate model to match field conditions.
- Analysis of system's ability to support peak hour demand, maximum day demand, maximum day demand plus fire flow, and identify necessary system improvements.
- Analysis of the ability of the existing water system to provide required fire flow at specified locations.
- Analysis of the ability of the existing water system to operate under temporary construction conditions.

WOOD ROAD LIFT STATION REPLACEMENT PROJECT  
PROJECT STUDY REPORT-PROJECT DEVELOPMENT SUPPORT (RFP NO. 2332)

KRIEGER & STEWART, INCORPORATED  
STAFF RESUME

**NEAL R. WATSON**  
**PROJECT ENGINEER**

**Relevant Project Experience (continued):**

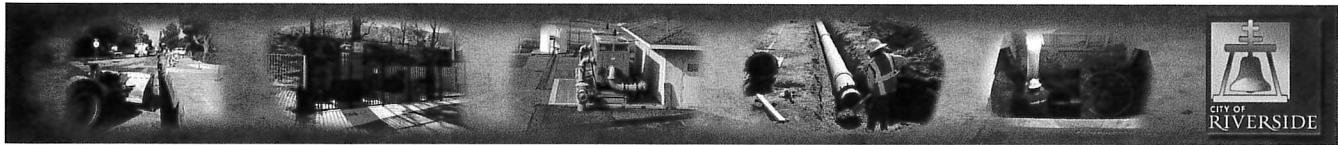
**9. Yucaipa Valley Water District's Hydraulic Modeling Services**

- Update existing H2Onet potable and recycled water hydraulic models to include new and proposed construction.
- Analysis of system's ability to support peak hour demand, maximum day demand, maximum day demand plus fire flow, and identify necessary system improvements.
- Analysis of the ability of the existing water system to provide required fire flow at specified locations.
- Creation of system curves for pump station design.
- Identify improvements necessary to provide adequate fire flow at specified locations.

**10. Western Municipal Water District's Hydraulic Modeling Services**

- Update existing InfoWater hydraulic model to match District's GIS and calibrate model to match field conditions.
- Analysis of the ability of the existing water system to provide required fire flow at specified locations.
- Identify improvements necessary to provide adequate fire flow at specified locations.

**SUBCONSULTANT  
PROFILE AND RESUMES**



## SUBCONSULTANT PROFILE AND EXPERIENCE

### CONVERSE CONSULTANTS

#### COMPANY PROFILE



#### Converse Consultants

Geotechnical Engineering & Consulting  
Environmental & Groundwater Science  
Materials Testing & Inspection Services

717 South Myrtle Avenue  
Monrovia, CA 91016  
Phone: (909) 796-0544

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

Converse Consultants has the objective to develop and maintain long term client relationships. We were established in Pasadena, California in 1946. We have five offices throughout the State of California (Monrovia, Redlands, and Costa Mesa, Palmdale and Palm Desert). We provide professional services in the fields of geotechnical engineering, engineering geology, groundwater sciences, environmental sciences, and soils and materials testing and inspection.

Converse has provided professional services to many of California's leading companies, government organizations, universities, and hospitals, as well as property management, investment, natural resource, transportation and energy sector entities. With a team composed of engineers, geologists, environmental scientists, and industrial hygienists we can be a highly beneficial partner to any organization.

Our Geotechnical Engineering team include registered Civil Engineers (with emphasis in geotechnical engineering), Geotechnical Engineers, Engineering Geologist and Hydrogeologist. These individuals have the appropriate educational background, experience, and possess certificates in their field of expertise.

Pipelines used to convey water, sewer and other fluids, depending on length, may traverse through varying subsurface conditions, such as shallow bedrock, groundwater, etc. In an urban environment, it may have to cross existing above or below ground structures. Installation of pipes in most cases requires bore and jack, horizontal drilling or micro-tunneling. So, the design and construction of underground pipelines are affected by their surrounding subsurface conditions.

Converse team has extensive experience conducting geotechnical investigation for pipeline under varying subsurface conditions. Besides providing the regular geotechnical parameters for pipe design, we address issues such as liquefaction, excavatability, settlement potential, impact on existing structures during installation of pipes using bore and jack or other methods.

Proper selection and placement of the materials around the pipe is essential. Geotechnical recommendations are required for the material placed in the pipe bedding, pipe zone, trench backfill, and the techniques used to place and compact each material.

When appropriate we have prepared Baseline Reports which the contractors can use to prepare a bid based on known subsurface conditions. This helps to reduce the possibility of change orders.

#### PERSONNEL

**Hasmi Quazi, PhD, PE, GE, Principal in Charge**, has over 36 years of experience providing geotechnical engineering services and has earned a reputation for providing quality work in an honest and ethical manner, on time and within budget for water pipelines, sewer pipelines, reservoirs, wells, pump stations, lift stations, storm drains, channels, streets, and other related project types.

**Robert Gregorek, PG, CEG, Senior Geologist**, has over 44 years of experience on geologic, environmental and geotechnical aspects of a variety of pipeline, well, reservoir, lift station, pump station and other water related projects throughout southern California. His experience includes preliminary geologic/geotechnical investigations; Phase I and Phase II environmental site assessments; construction cost estimating; report writing; geologic field mapping; excavatability/rippability studies, groundwater studies; evaluation of geologic and seismic hazards; review of geologic, environmental and geotechnical and reports, as well as consultation and review for governing agencies.







## RELEVANT PROJECT EXPERIENCE

**Van Buren Blvd. Water Pipeline, Jurupa Valley & Riverside, CA.** The project involves the design of approximately 6,500 feet of 18-inch diameter water pipeline along Van Buren Boulevard from Jurupa Avenue to Limonite Avenue.

**Various Water Main Projects, Riverside, CA.** The project included the installation of 550 linear feet of 12-inch diameter and 3,900 linear feet of 8-inch diameter water pipeline at Taft Street; 4,400 linear feet of 8-inch diameter water pipeline at Peacock Lane; 1,250 linear feet of 8-inch diameter water pipeline at Jo Jo Way; and 1,300 linear feet of 12-inch diameter water pipeline at Jasmine and Columbus Street water pipeline. Ductile iron pipe and the cut and cover technique was used for this project.

**JCSD Various Sewer Pipelines, Jurupa Valley and Riverside, CA.** The project included design and construction of approximately 5,450 linear feet of 10 to 12-inch polyvinyl chloride (PVC) sewer pipelines. The locations of the pipelines are at De Forest Circle, Mapleton Circle, Apple Avenue, 30th Street, 33rd Street, Fox Tail Lane, Rte. 60 Freeway and San Sevaine Way in the cities of Jurupa Valley and Riverside, California.

**JCSD Annual Sewer Replacement Projects, Jurupa Valley, CA.** The project included 5,220 linear feet of 8-inch diameter PVC SDR 35 sewer pipeline at Hunter Street, Fleming Street, Gordon Way, Dalley Way, Hasting Blvd. and Jeffrey Place and 1,200 linear feet of 6-inch to 8-inch diameter welded steel pipeline with CML/CMC water pipeline at Fleming Street.

**JCSD Etiwanda Pipelines, Jurupa Valley, Fontana & Rancho Cucamonga, CA.** The project included design and construction of approximately 51,636 linear feet of 36-inch diameter water pipelines. The locations of the pipelines were at County Village Road, Slover Avenue, Calabash Avenue, San Bernardino Avenue, SBCFCD Channel, Arrow Route and Etiwanda Avenue in various locations in the JCSD area.

**JCSD Recycled Water Pipelines & Pump Station, Eastvale, CA.** The project included 65,000 linear feet of 8-to-24-inch diameter water pipelines along various streets in the City of Eastvale, California. The pipelines will be installed using cut and cover technique, except at the crossings where bore and jack will be used. In addition, the project included a pump station.

**Diamond Regional Sewer Lift Station, Lake Elsinore, CA.** The proposed project is a finish grade lift station approximately 47' x 87' reinforced concrete structure with two below grade wet wells about 54 feet deep, diesel generator, odor control system, chemical feed equipment (if required), electrical building, pigging station, flow metering vault and all associated site yard piping and site grading. In addition, dual force mains totaling 3,400 linear feet of 54-inch sewer gravity line will flow directly from the structure.

**Ahwahnee Lift Station Wet Well Expansion, San Bernardino County, CA.** The project included installation of two 10' x 40' x 8' pre-cast concrete tanks and some miscellaneous piping, valving, and manholes construction. The concrete tanks were located about five (5) feet from the existing lift station which is approximately 17' x 20' in plan area. The approximate elevation of the base of the proposed tanks will be 6,498 feet above MSL. The proposed tanks were connected by 24-inch diameter CL-235 PVC pipe at the base of the tanks. Tank No. 1 and wet well were connected by 12-inch diameter overflow pipe and 8-inch diameter drainpipe.

**Archibald Avenue Sewer Diversion, Ontario, CA.** The project consisted of design and construction of 8-inch to 18-inch diameter sewer overflow diversion lines of 992 linear feet at the East Philadelphia Street pipeline and 2,280 linear feet at the South Archibald Avenue pipeline.

**Murrieta Sewer Siphon Replacement, Murrieta, CA.** The project consisted of an upgrade to an existing 8-inch diameter sewer siphon pipeline on Lemon Street between Adams Avenue and Jefferson Street in the City of Murrieta. This project upgraded the siphon from a single barrel to a larger diameter or a "double barrel" configuration. The new sewer line was approximately 100 feet long and 10 feet deep.

**Dunlap Road Water Pipeline Replacement, Perris, CA.** The project consisted of the design and replacement of approximately 2,000 linear feet of 36-inch cement mortar lined and coated (CML&C) steel pipe. The pipe will extend from the intersection of Ellis Avenue and Dunlap Drive along Dunlap Drive crossing the San Jacinto River in the City of Perris. There was about 8 feet to 10 feet of soils cover over the pipe. It was installed using open cut-and-cover technique except at the San Jacinto River crossing were bore and jack will be used.

# Hashmi Quazi, PhD, PE, GE

Principal-in-Charge / Project Manager



Dr. Quazi has over 36 years of experience providing geotechnical engineering services and has earned a reputation for providing quality work in an honest and ethical manner, on time and within budget. Dr. Quazi provides quality control, budget oversight, and technical assistance on various types of projects, including lift stations, storm drains, channels, streets, pipelines and other related projects.

## Relevant Experience

### **Diamond Regional Sewer Lift Station, Lake Elsinore, CA.**

Principal in Charge. Provided technical and budget oversight, resource allocation and contract management for the geotechnical investigation. The proposed project is a finish grade lift station approximately 47' x 87' reinforced concrete structure with two below grade wet wells about 54 feet deep, diesel generator, odor control system, chemical feed equipment (if required), electrical building, pigging station, flow metering vault and all associated site yard piping and site grading. In addition, dual force mains totaling 3,400 linear feet of 54-inch sewer gravity line will flow directly from the structure.

**Ahwahnee Lift Station, San Bernardino County, CA.** Principal in Charge. Provided technical oversight and budget control during the design and construction phases. The Ahwahnee Lift Station Wet Well Expansion included installation of two 10' x 40' x 8' pre-cast concrete tanks and some miscellaneous piping, valving, and manholes construction. The concrete tanks were located about five (5) feet from the existing lift station which is approximately 17' x 20' in plan area. The approximate elevation of the base of the proposed tanks will be 6,498 feet above MSL. The proposed tanks were connected by 24-inch diameter CL-235 PVC pipe at the base of the tanks. Tank No. 1 and wet well were connected by 12-inch diameter overflow pipe and 8-inch diameter drainpipe.

**JCSD Various Sewer Pipelines, Jurupa Valley and Riverside, CA.** Principal in Charge. Provided technical and budget oversight, resource allocation and contract management for the geotechnical investigation. The project included design and construction of approximately 5,450 linear feet of 10 to 12-inch polyvinyl chloride (PVC) sewer pipelines. The locations of the pipelines are at De Forest Circle, Mapleton Circle, Apple Avenue, 30<sup>th</sup> Street, 33<sup>rd</sup> Street, Fox Tail Lane, Rte. 60 Freeway and San Sevaive Way in the cities of Jurupa Valley and Riverside, California.

**Archibald Avenue Sewer Diversion, Ontario, CA.** Principal in Charge. Provided technical and budget oversight, resource allocation and contract management for the project during the design phase. The project consisted of design and construction of 8-inch to 18-inch diameter sewer overflow diversion lines of 992 linear feet at the East Philadelphia Street pipeline and 2,280 linear feet at the South Archibald Avenue pipeline.

**Murrieta Sewer Siphon Replacement, Murrieta, CA.** Principal in Charge. Provided technical and budget oversight, resource allocation and contract management for the geotechnical investigation. The project consisted of an upgrade to an existing 8-inch diameter sewer siphon pipeline on Lemon Street between Adams Avenue and Jefferson Street in the City of Murrieta. This project upgraded the siphon from a single barrel to a larger diameter or a "double barrel" configuration. The new sewer line was approximately 100 feet long and 10 feet deep.

## EDUCATION

- Ph.D., Civil Engineering, University of Arizona, 1987
- M.S., Civil Engineering, Arizona State University, 1982
- B.S., Bangladesh Engineering University, 1978

## REGISTRATIONS/CERTIFICATIONS

- California, Civil Engineer, #46651
- California, Geotechnical Engineer, #2517



# Robert Gregorek, PG, CEG

Senior Geologist



Mr. Gregorek has over 44 years of overall experience on geologic, environmental and geotechnical aspects of both public and private throughout southern California. His experience includes preliminary geologic/geotechnical investigations; Phase I and Phase II environmental site assessments; construction cost estimating; report writing; geologic field mapping; excavatability/rippability studies, groundwater studies; evaluation of geologic and seismic hazards; review of geologic, environmental and geotechnical and reports, as well as consultation and review for governing agencies.

## Relevant Experience

**Sewer Lift Station, 121 Acre West Preserve Project, City of Chino, County of San Bernardino, California.** Senior Geologist. Managed a preliminary geotechnical investigation and rough grading plan review during design stages of a sewer lift station for a 121 Acre Industrial and residential mixed-use project.

**Archibald Avenue Sewer Diversion, Ontario, CA.** Senior Geologist. Provided geologic oversight for the design phase of the project. The project consisted of design and construction of 8-inch to 18-inch diameter sewer overflow diversion lines of 992 linear feet at the East Philadelphia Street pipeline and 2,280 linear feet at the South Archibald Avenue pipeline.

**Vineyard Sewer Pipeline, Ontario, CA.** Senior Geologist. Provided geologic oversight for the design phase of the project. The project consisted of design and construction of approximately 6,529 linear feet of 21-inch diameter sewer pipeline at Grove Avenue and Holt Blvd. in Ontario, California.

**JCSD Annual Sewer Replacement Projects, Jurupa Valley, CA.** Senior Geologist. Provided geologic oversight for the design phase of the project. The project included 5,220 linear feet of 8-inch diameter PVC SDR 35 sewer pipeline at Hunter Street, Fleming Street, Gordon Way, Dalley Way, Hasting Blvd. and Jeffrey Place and 1,200 linear feet of 6-inch to 8-inch diameter welded steel pipeline with CML/CMC water pipeline at Fleming Street.

**Benson Avenue Sewer Siphon, Chino, CA.** Senior Geologist. Provided geologic oversight for the design phase of the project. The project consisted of installing approximately 544 linear feet of two 8-inch diameter HDPE pipes within a 24-inch diameter HDPE casing under the State Route (SR)-60 Freeway using the horizontal directional drilling (HDD) method. The bore hole size was 36-inch in diameter. The siphon inlet was at the intersection of Benson Avenue and Portsmouth Street and the outlet was at the intersection of Benson Avenue and Harrison Street.

**Murrieta Sewer Siphon Replacement, Murrieta, CA.** Senior Geologist. Provided geologic oversight for the design phase of the project. The project consisted of an upgrade to an existing 8-inch diameter sewer siphon pipeline on Lemon Street between Adams Avenue and Jefferson Street in the City of Murrieta. This project upgraded the siphon from a single barrel to a larger diameter or a "double barrel" configuration. The new sewer line was approximately 100 feet long and 10 feet deep.

## EDUCATION

- BA, Earth Science, California State University, Fullerton, Graduated 1977
- MS, Program, Engineering Geology, California State University, Los Angeles, 1982

## REGISTRATIONS/CERTIFICATIONS

- California, Professional Geologist, PG 3965
- California, Certified Engineering Geologist, CEG 1257
- OSHA 29 CFR 1910.120(e) 40-hour Hazardous Waste Operations Health and Safety