

## AGREEMENT FOR PROFESSIONAL SERVICES BY INDEPENDENT CONTRACTOR

THIS AGREEMENT FOR PROFESSIONAL SERVICES BY INDEPENDENT CONTRACTOR is made and effective as of the 3rd day of October, 2023, by and between the CITY OF BEAUMONT (“CITY”) whose address is 550 E. 6<sup>th</sup> Street, Beaumont, California 92223 and NV5, INC., a California Corporation whose address is 42-829 Cook Street, Suite 104, Palm Desert, CA 92211 (“CONTRACTOR”).

### RECITALS

This Agreement is entered into on the basis of the following facts, understandings and intentions of the parties to this Agreement:

A. CITY desires to engage CONTRACTOR to provide On-Call Plan Checking, Inspection, and Survey Services; and

B. CONTRACTOR has made a proposal (“Proposal”) to the CITY to provide such professional services, which Proposal is attached hereto as Exhibit “A” and incorporated herein by this reference; and

C. CONTRACTOR agrees to provide such services pursuant to, and in accordance with, the terms and conditions of this Agreement, and represents and warrants to CITY that CONTRACTOR possesses the necessary skills, licenses, certifications, qualifications, personnel and equipment to provide such services.

### AGREEMENT

NOW, THEREFORE, in consideration of the foregoing Recitals and mutual covenants contained herein, CITY and CONTRACTOR agree as follows:

1. Term of Agreement. This Agreement is effective as of the date first above written and shall continue until terminated as provided for herein. Notwithstanding anything in this Agreement to the contrary, this Agreement shall automatically terminate after five (5) (max. 5) year(s) unless extended by the parties with the approval of the City Council of the CITY.

2. Services to be Performed. CONTRACTOR agrees to provide the services (“Services”) as follows: On-Call Plan Checking, Inspection, and Survey Services per Exhibit “A”. Services are as needed, and the CITY shall have no obligation to secure any specified amount of Services from CONTRACTOR. All Services shall be performed in the manner and according to the timeframe set forth in the Proposal. CONTRACTOR designates Jeffrey M. Cooper, P.E. as CONTRACTOR’S professional(s) responsible for overseeing the Services provided by CONTRACTOR.

3. Associates and Subcontractors. CONTRACTOR may, at CONTRACTOR’S sole cost and expense, employ such competent and qualified independent associates, subcontractors and consultants as CONTRACTOR deems necessary to perform the Services; provided, however, that CONTRACTOR shall not subcontract any of the Services without the written consent of CITY.

4. Compensation.

4.01 CONTRACTOR shall be paid at the rates set forth in the Proposal and shall not increase any rate without the prior written consent of the CITY. Notwithstanding anything in this Agreement to the contrary, total fees and charges paid by CITY to CONTRACTOR under this Agreement shall not exceed a rate of seventy-five percent (75%) of total developer fees collected associated with plan checks assigned to NV5 and rates in accordance with those provided in the Proposal for inspection and surveying services, with a not to exceed amount of two hundred fifteen thousand dollars (\$215,000) annually.

4.02 CONTRACTOR shall not be compensated for any Services rendered nor reimbursed for any expenses incurred in excess of those authorized unless approved in advance by the CITY, in writing.

4.03 CONTRACTOR shall submit to CITY, on or before the fifteenth (15<sup>th</sup>) of each month, itemized invoices for the Services rendered in the previous month. The CITY shall not be obligated to pay any invoice that is submitted more than sixty (60) days after the due date of such invoice. CITY shall have the right to review and audit all invoices prior to or after payment to CONTRACTOR. This review and audit may include, but not be limited to CITY's:

- a. Determination that any hourly fee charged is consistent with this Agreement's approved hourly rate schedule;
- b. Determination that the multiplication of the hours billed times the approved rate schedule dollars is correct;
- c. Determination that each item charged is the usual, customary, and reasonable charge for the particular item. If CITY determines an item charged is greater than usual, customary, or reasonable, or is duplicative, ambiguous, excessive, or inappropriate, CITY shall either return the bill to CONTRACTOR with a request for explanation or adjust the payment accordingly, and give notice to CONTRACTOR of the adjustment.

4.04 If the work is satisfactorily completed, CITY shall pay such invoice within thirty (30) days of its receipt. Should CITY dispute any portion of any invoice, CITY shall pay the undisputed portion within the time stated above, and at the same time advise CONTRACTOR in writing of the disputed portion.

5. Obligations of CONTRACTOR.

5.01 CONTRACTOR agrees to perform all Services in accordance with the terms and conditions of this Agreement and the Proposal. In the event that the terms of the Proposal shall conflict with the terms of this Agreement, or contain additional terms that purport to bind the CITY other than the Services to be rendered and the price for the Services, the terms of this Agreement shall govern and said additional or conflicting terms

shall be of no force or effect.

5.02 Except as otherwise agreed by the parties, CONTRACTOR will supply all personnel, materials and equipment required to perform the Services. CONTRACTOR shall provide its own offices, telephones, vehicles and computers and set its own work hours. CONTRACTOR will determine the method, details, and means of performing the Services under this Agreement.

5.03 CONTRACTOR shall keep CITY informed as to the progress of the Services by means of regular and frequent consultations. Additionally, when requested by CITY, CONTRACTOR shall prepare written status reports.

5.04 CONTRACTOR is responsible for paying, when due, all income and other taxes, fees and withholding, including withholding state and federal taxes, social security, unemployment and worker's compensation, incurred as a result of the compensation paid under this Agreement. CONTRACTOR agrees to indemnify, defend and hold harmless CITY for any claims, costs, losses, fees, penalties, interest, or damages suffered by CITY resulting from CONTRACTOR's failure to comply with this provision.

5.05 In the event CONTRACTOR is required to prepare plans, drawings, specifications and/or estimates, the same shall be furnished in conformance with local, state and federal laws, rules and regulations.

5.06 CONTRACTOR represents that it possesses all required licenses necessary or applicable to the performance of Services under this Agreement and the Proposal and shall obtain and keep in full force and effect all permits and approvals required to perform the Services herein. In the event CITY is required to obtain an approval or permit from another governmental entity, CONTRACTOR shall provide all necessary supporting documents to be filed with such entity.

5.07 CONTRACTOR shall be solely responsible for obtaining Employment Eligibility Verification information from CONTRACTOR's employees, in compliance with the Immigration Reform and Control Act of 1986, Pub. L. 99-603 (8 U.S.C. 1324a), and shall ensure that CONTRACTOR's employees are eligible to work in the United States.

5.08 In the event that CONTRACTOR employs, contracts with, or otherwise utilizes any CalPERS retirees in completing any of the Services performed hereunder, such instances shall be disclosed in advance to the CITY and shall be subject to the CITY's advance written approval.

5.09 Drug-free Workplace Certification. By signing this Agreement, the CONTRACTOR hereby certifies under penalty of perjury under the laws of the State of California that the CONTRACTOR will comply with the requirements of the Drug-Free Workplace Act of 1990 (Government Code, Section 8350 et seq.) and will provide a drug-free workplace.

5.10 CONTRACTOR shall comply with all applicable local, state and federal

laws, rules, regulations, entitlements and/or permits applicable to, or governing the Services authorized hereunder.

6. Insurance. CONTRACTOR hereby agrees to be solely responsible for the health and safety of its employees and agents in performing the Services under this Agreement and shall comply with all laws applicable to worker safety including but not limited to Cal-OSHA. Therefore, throughout the duration of this Agreement, CONTRACTOR hereby covenants and agrees to maintain insurance in conformance with the requirements set forth below. Attached hereto as **Exhibit "B"** are copies of Certificates of Insurance and endorsements as required by Section 7.02. If existing coverage does not meet the requirements set forth herein, CONTRACTOR agrees to amend, supplement or endorse the existing coverage to do so. CONTRACTOR shall provide the following types and amounts of insurance:

6.01 Commercial general liability insurance in an amount of not less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate; CONTRACTOR agrees to have its insurer endorse the general liability coverage required herein to include as additional insured's CITY, its officials, employees and agents. CONTRACTOR also agrees to require all contractors and subcontractors to provide the same coverage required under this Section 6.

6.02 Business Auto Coverage in an amount no less than \$1 million per accident. If CONTRACTOR or CONTRACTOR's employees will use personal autos in performance of the Services hereunder, CONTRACTOR shall, upon reasonable request, provide evidence of personal auto liability coverage for each such person.

6.03 Workers' Compensation coverage for any of CONTRACTOR's employees that will be providing any Services hereunder. CONTRACTOR will have a state-approved policy form providing statutory benefits as required by California law. The provisions of any workers' compensation will not limit the obligations of CONTRACTOR under this Agreement. CONTRACTOR expressly agrees not to use any statutory immunity defenses under such laws with respect to CITY, its employees, officials and agents.

6.04 Optional Insurance Coverage. Choose and check one: Required  /Not Required ; Errors and omissions insurance in a minimum amount of \$2 million per claim to cover any negligent acts or omissions committed by CONTRACTOR, its employees and/or agents in the performance of any Services for CITY.

7. General Conditions pertaining to Insurance Coverage

7.01 No liability insurance coverage provided shall prohibit CONTRACTOR from waiving the right of subrogation prior to a loss. CONTRACTOR waives all rights of subrogation against CITY regardless of the applicability of insurance proceeds and shall require all contractors and subcontractors to do likewise.

7.02. Prior to beginning the Services under this Agreement, CONTRACTOR shall furnish CITY with certificates of insurance, endorsements, and upon request, complete copies of all policies, including complete copies of all endorsements. All copies of policies

and endorsements shall show the signature of a person authorized by that insurer to bind coverage on its behalf.

7.03. All required policies shall be issued by a highly rated insurer with a minimum A.M. Best rating of “A:VII”). The insurer(s) shall be admitted and licensed to do business in California. The certificates of insurance hereunder shall state that coverage shall not be suspended, voided, canceled by either party, or reduced in coverage or in limits, except after thirty (30) days' prior written notice has been given to CITY.

7.04 Self-insurance does not comply with these insurance specifications. CONTRACTOR acknowledges and agrees that that all insurance coverage required to be provided by CONTRACTOR or any subcontractor, shall apply first and on a primary, non-contributing basis in relation to any other insurance, indemnity or self-insurance available to CITY.

7.05 All coverage types and limits required are subject to approval, modification and additional requirements by CITY, as the need arises. CONTRACTOR shall not make any reductions in scope of coverage (e.g. elimination of contractual liability or reduction of discovery period) that may affect CITY’s protection without CITY’s prior written consent.

7.06 CONTRACTOR agrees to provide immediate notice to CITY of any claim or loss against CONTRACTOR or arising out of the Services performed under this Agreement. CITY assumes no obligation or liability by such notice, but has the right (but not the duty) to monitor the handling of any such claim or claims if they are likely to involve CITY.

8. Indemnification.

8.01 CONTRACTOR and CITY agree that CITY, its employees, and officials should, to the extent permitted by law, be fully protected from any loss, injury, damage, claim, lawsuit, cost, expense, attorneys’ fees, litigation costs, defense costs, court costs or any other costs arising out of or in any way related to the negligence, recklessness or willful misconduct in the performance of this Agreement by CONTRACTOR or any subcontractor or agent of either as set forth herein. Accordingly, the provisions of this indemnity are intended by the parties to be interpreted and construed to provide the fullest protection possible under the law to CITY. CONTRACTOR acknowledges that CITY would not enter into this Agreement in the absence of the commitment of CONTRACTOR to indemnify and protect CITY as set forth herein.

a. To the fullest extent permitted by law, CONTRACTOR shall defend, indemnify and hold harmless CITY, its employees, and officials, from any liability, claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses, damages or costs of any kind, whether actual, alleged or threatened, reasonable attorneys’ fees incurred by CITY, court costs, interest, reasonable defense costs, including expert witness fees and any other costs or expenses of any kind whatsoever without restriction or limitation incurred in relation to, as a consequence of or arising out of, or in any way attributable

actually, allegedly or impliedly, in whole or in part to the negligent, recklessness or willful misconduct in the performance of this Agreement. CONTRACTOR's obligation to defend, indemnify and hold harmless shall include any and all claims, suits and proceedings in which CONTRACTOR (and/or CONTRACTOR's agents and/or employees) is alleged to be an employee of CITY. All obligations under this provision are to be paid by CONTRACTOR as they are incurred by CITY.

b. Without affecting the rights of CITY under any provision of this Agreement or this Section, CONTRACTOR shall not be required to indemnify and hold harmless CITY as set forth above for liability attributable solely to the fault of CITY, provided such fault is determined by agreement between the parties or the findings of a court of competent jurisdiction.

8A. Indemnification Design Professionals.

8A.01 In the event that CONTRACTOR is a design professional under California Civil Code Section 2782.8 this Section 8A shall apply instead of Section 8. To the fullest extent permitted by California law and in accordance with California Civil Code section 2782.8, CONTRACTOR shall indemnify, and hold harmless the City, its officers, employees, trustees and members ("Indemnified Parties") from any and all actions, assessments, counts, citations, claims, costs, damages, demands, judgments, liabilities (legal, administrative or otherwise), losses, notices, expenses, fines, penalties, proceedings, responsibilities, violations, attorney's and consultants' fees and causes of action including, but not limited to those for, injury to property or persons, including personal injury and/or death ("Claim(s)"), to the extent that the Claim(s) arises out of, pertains to, or relates to the negligence, recklessness, or willful misconduct of CONTRACTOR, its directors, officials, officers, employees and consultants arising out of, connected with, or resulting from the performance of the Services, the Project, or this Agreement. This indemnity excludes liability caused by the negligence or willful misconduct of any of the Indemnified Parties. The cost to indemnify, hold harmless, and defend charged to CONTRACTOR shall not exceed CONTRACTOR'S proportionate percentage of fault.

9. Additional Services, Changes and Deletions.

9.01 In the event CONTRACTOR performs additional or different services than those described herein without the prior written approval of the City Manager and/or City Council of CITY, CONTRACTOR shall not be compensated for such services. CONTRACTOR expressly waives any right to be compensated for services and materials not covered by the scope of this Agreement or authorized by the CITY in writing.

9.02 CONTRACTOR shall promptly advise the City Manager and Finance Director of CITY as soon as reasonably practicable upon gaining knowledge of a condition, event or accumulation of events which may affect the scope and/or cost of Services. All proposed changes, modifications, deletions and/or requests for additional services shall be reduced to writing for review and approval by the CITY and/or City Council.

10. Termination of Agreement.

10.01 Notwithstanding any other provision of this Agreement, CITY, at its sole

option, may terminate this Agreement with or without cause, or for no cause, at any time by giving twenty (20) days' written notice to CONTRACTOR.

10.02 In the event of termination, the payment of monies due CONTRACTOR for undisputed Services performed prior to the effective date of such termination shall be paid within thirty (30) business days after receipt of an invoice as provided in this Agreement. Immediately upon termination, CONTRACTOR agrees to promptly provide and deliver to CITY all original documents, reports, studies, plans, specifications and the like which are in the possession or control of CONTRACTOR and pertain to CITY.

11. Status of CONTRACTOR.

11.01 CONTRACTOR shall perform the Services in CONTRACTOR's own way as an independent contractor, and in pursuit of CONTRACTOR's independent calling, and not as an employee of CITY. However, CONTRACTOR shall regularly confer with CITY's City Manager as provided for in this Agreement.

11.02 CONTRACTOR agrees that it is not entitled to the rights and benefits afforded to CITY's employees, including disability or unemployment insurance, workers' compensation, retirement, CalPERS, medical insurance, sick leave, or any other employment benefit. CONTRACTOR is responsible for providing, at its own expense, disability, unemployment, workers' compensation and other insurance, training, permits, and licenses for itself and its employees and subcontractors.

11.03 CONTRACTOR hereby specifically represents and warrants to CITY that it possesses the qualifications and skills necessary to perform the Services under this Agreement in a competent, professional manner, without the advice or direction of CITY and that the Services to be rendered pursuant to this Agreement shall be performed in accordance with the standards customarily applicable to an experienced and competent professional rendering the same or similar services in the same geographic area where the CITY is located. Further, CONTRACTOR represents and warrants that the individual signing this Agreement on behalf of CONTRACTOR has the full authority to bind CONTRACTOR to this Agreement.

12. Ownership of Documents; Audit.

12.01 All draft and final reports, plans, drawings, studies, maps, photographs, specifications, data, notes, manuals, warranties and all other documents of any kind or nature prepared, developed or obtained by CONTRACTOR in connection with the performance of Services performed for the CITY shall become the sole property of CITY, and CONTRACTOR shall promptly deliver all such materials to CITY upon request. At the CITY's sole discretion, CONTRACTOR may be permitted to retain original documents, and furnish reproductions to CITY upon request, at no cost to CITY.

12.02 Subject to applicable federal and state laws, rules and regulations, CITY shall hold all intellectual property rights to any materials developed pursuant to this Agreement. CONTRACTOR shall not such use data or documents for purposes other than the performance of this Agreement, nor shall CONTRACTOR release, reproduce, distribute, publish, adapt for future use or any other purposes, or otherwise use, any data

or other materials first produced in the performance of this Agreement, nor authorize others to do so, without the prior written consent of CITY.

12.03 CONTRACTOR shall retain and maintain, for a period not less than four years following termination of this Agreement, all-time records, accounting records and vouchers and all other records with respect to all matters concerning Services performed, compensation paid and expenses reimbursed. At any time during normal business hours and as often as CITY may deem necessary, CONTRACTOR shall make available to CITY's agents for examination all of such records and shall permit CITY's agents to audit, examine and reproduce such records.

12.04 Notwithstanding any other provision in this Article 12, CONTRACTOR shall retain all rights, titles and interests, including but not limited to all ownership and intellectual property rights, in all inventions, improvements, discoveries, methodologies, models, formats, software, algorithms, processes, procedures, designs, specifications, findings, and other intellectual properties developed, gathered, compiled or produced by CONTRACTOR prior to or independently of any of its Services under this Agreement ("Background IP"), including such Background IP CONTRACTOR may employ in the performance of this Agreement, or may incorporate into any part of the work product. CONTRACTOR grants the CITY an irrevocable, non-exclusive, transferable, royalty-free license in perpetuity to use, disclose, and derive from such Background IP, but only as an inseparable part of the work product. Third-party content that may be used or incorporated in the work product shall not become the property of the CITY; however, CONTRACTOR shall secure all licenses necessary to any third-party content incorporated into CONTRACTOR'S work product for the CITY to utilize CONTRACTOR'S Services and the work product for their intended purposes. Nothing in this Agreement shall preclude CONTRACTOR from utilizing concepts, materials, or designs similar to those utilized for this Agreement on other projects for other clients not associated with the CITY, provided such other projects are not substantially identical to the CITY'S project and the CITY understands and acknowledges that CONTRACTOR may use details and/or designs that are generally recognized as standard or of common usage in the industry on projects other than the CITY'S project even though they may be used for the Services under this Agreement."

13. Miscellaneous Provisions.

13.01 This Agreement, which includes all attached exhibits, supersedes any and all previous agreements, either oral or written, between the parties hereto with respect to the rendering of Services by CONTRACTOR for CITY and contains all of the covenants and agreements between the parties with respect to the rendering of such Services in any manner whatsoever. Any modification of this Agreement will be effective only if it is in writing signed by both parties.

13.02 CONTRACTOR shall not assign or otherwise transfer any rights or interest in this Agreement without the prior written consent of CITY. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.



13.03 CONTRACTOR shall timely file FPPC Form 700 Conflict of Interest Statements with CITY if required by California law and/or the CITY's conflict of interest policy.

13.04 If any legal action or proceeding, including an action for declaratory relief, is brought to enforce or interpret the provisions of this Agreement, the prevailing party will be entitled to reasonable attorneys' fees and costs, in addition to any other relief to which that party may be entitled.

13.05 This Agreement is made, entered into and shall be performed in the County of Riverside in the State of California and shall in all respects be interpreted, enforced and governed under the laws of the State of California. The parties agree that venue in any litigation between them shall be in Riverside County, California.

13.06 CONTRACTOR covenants that neither it nor any officer or principal of its firm has any interest, nor shall they acquire any interest, either directly or indirectly, which will conflict in any manner or degree with the performance of their Services hereunder. CONTRACTOR further covenants that in the performance of this Agreement, no person having such interest shall be employed by it as an officer, employee, agent, or subcontractor.

13.07 CONTRACTOR has read and is aware of the provisions of Section 1090 et seq. and Section 87100 et seq. of the Government Code relating to conflicts of interest of public officers and employees. CONTRACTOR agrees that they are unaware of any financial or economic interest of any public officer or employee of the CITY relating to this Agreement. It is further understood and agreed that if such a financial interest does exist at the inception of this Agreement, the CITY may immediately terminate this Agreement by giving notice thereof. CONTRACTOR shall comply with the requirements of Government Code section 87100 et seq. and section 1090 in the performance of and during the term of this Agreement.

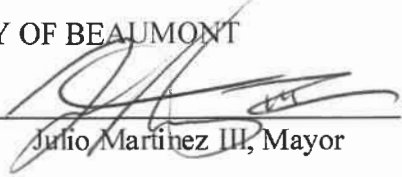
13.08 Improper Consideration. CONTRACTOR shall not offer (either directly or through an intermediary) any improper consideration such as, but not limited to, cash, discounts, services, the provision of travel or entertainment, or any items of value to any officer, employee or agent of the CITY in an attempt to secure favorable treatment regarding this Agreement or any contract awarded by CITY. The CITY, by notice, may immediately terminate this Agreement if it determines that any improper consideration as described in the preceding sentence was offered to any officer, employee or agent of the CITY with respect to the proposal and award process of this Agreement or any CITY contract. This prohibition shall apply to any amendment, extension or evaluation process once this Agreement or any CITY contract has been awarded. CONTRACTOR shall immediately report any attempt by any CITY officer, employee or agent to solicit (either directly or through an intermediary) improper consideration from CONTRACTOR.

13.09 Severability. If any portion of this Agreement is declared invalid, illegal or otherwise unenforceable by a court of competent jurisdiction, the entire balance of this Agreement not so affected shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereby have made and executed this Agreement to be effective as of the day and year first above written.

**CITY:**

CITY OF BEAUMONT

By:   
Julio Martinez III, Mayor

**CONTRACTOR:**

NV5, INC.

By:   
\_\_\_\_\_

Print Name: Jeffrey M. Cooper, PE

Title: Senior Vice President

**EXHIBIT "A"**

**PROPOSAL**

**(insert behind this page)**



**N | V | 5**

**PROPOSAL**

Submitted by NV5, Inc.  
42-829 Cook Street, Suite 104, Palm Desert, CA 92211

**City of Beaumont**

On-Call Public Works Projects Plan Check and Inspection Services

June 7, 2023

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June 7, 2023

City of Beaumont  
 Attn: Grace Wichert, Procurement and Contracts Specialist  
 550 E. 6th Street  
 Beaumont, CA 92223

**SUBJECT: On-Call Public Works Projects Plan Check and Inspection Services**

Dear Ms. Wichert,

NV5, Inc. is excited to have the opportunity to provide Plan Check and Inspection Services to the City of Beaumont (City). We have prepared a scope and separate fee for each of the following services: **Option 1: Plan Check Services; Option 2: Inspection Services; Option 3: On-Call Survey; and Option 4: Storm Water Compliance and Inspections.** Our team has the technical knowledge and experience to deliver your projects in the most cost-efficient and cost-effective manner. NV5's strengths include the following:

**Current Partnership and Local Knowledge:** Our extensive experience and strong existing relationship with the City give us the ability to continue providing plan check and inspection services to the City. We operate with a working knowledge of your staff, processes and environment, enabling us to provide outstanding cost- and time-efficient services. Specifically, NV5 has been providing plan check and inspection services to the City since 2016. Additionally, we have provided or are currently providing similar plan check services to the cities of Desert Hot Springs, Menifee, Lake Elsinore, Moreno Valley, and Murrieta, and the Counties of Riverside and San Bernardino, among many others.

**Relevant Experience:** We have a proven track record of successfully providing plan check, inspection, on-call survey and stormwater compliance and inspection services to municipalities throughout Southern California, most of which have been repeat clients, and we encourage the City to contact our references.

**Proposed Team:** Understanding the needs of the City, NV5 has assembled a team of high-level professionals that will be made available to the City upon request. Our highest priority is exceeding your desired goals, so we will strive to constantly provide you with top-notch customer service. Our project manager, **Tamara O'Neal, PE**, will provide hands-on, customer-oriented, proactive management of your as-needed contract as she has done for the past 7 years. NV5's experienced leadership combined with the effective team we have assembled will build on the already strong working relationships with City staff, allowing us to seamlessly interface with you and your stakeholders, maximizing efficiency and quality.

**Addendum Acknowledgment:** We have received and acknowledged Addendum No. 1 dated May 16, 2023.

**Proposal Authorization and Validity:** This proposal has been signed by Jeffrey M. Cooper, PE, Senior Vice President, a company officer authorized to bind the firm. Contact information: 42-829 Cook Street, Suite 104, Palm Desert, CA 92211; Phone No.: 760.341.3101.

NV5 looks forward to the opportunity to work with the City and help you achieve your goals and objectives. If you need further information, we may be reached by phone at (760) 341-3101, or electronically at tamara.oneal@nv5.com and jeff.cooper@nv5.com. Thank you for your time and consideration.

Sincerely,  
 NV5



Tamara O'Neal, PE  
 Project Manager



Jeffrey M. Cooper, PE  
 Senior Vice President

**COMPANY INFORMATION/CONTACT**

**Name:** NV5, Inc.  
**Address:** 42-829 Cook Street, Suite 104,  
 Palm Desert, CA 92211  
**Telephone Number:** 760.341.3101  
**Email of Contact:** tamara.oneal@nv5.com

## B. INTRODUCTION/INFORMATION

### STATEMENT OF UNDERSTANDING OF SCOPE OF SERVICES

NV5 has read and understands all of the requirements of the RFP, and we are pleased to submit our qualifications to support Options 1 through 4 of the subject RFP, including Option 1: Plan Check Services; Option 2: Inspection Services; Option 3: On-Call Survey; and Option 4: Storm Water Compliance and Inspections.

### ACCOMPLISHING OBJECTIVES OF SCOPE OF SERVICES

The main goal of the City is to find the right partner to provide these services in a timely, cost-effective and customer-oriented way. NV5 has the resources, knowledge of the City, and professional background to continue providing these services to the City.

As the prime consultant, NV5's qualified team of professionals will provide all of the day-to-day inspection and plan check services.

All members of our team are available to respond to direct communication from the applicant's engineer to address questions or resolve issues. Our goal is to be responsive to City staff, residents, businesses, contractors and nonprofit organizations with a "customer oriented" approach, providing streamlined, professional and responsive service through a "can-do" philosophy, creative problem-solving and proactive communication.

Over the past 7 years, we have successfully used this approach to resolve countless technical and procedural questions with the City's project applicants and their engineers, providing cost-effective and timely plan approval and customer service.

### FIRM INFORMATION

**Name of Firm Submitting Proposal:** NV5, Inc.

**Mailing Address:** 42-829 Cook Street, Suite 104, Palm Desert, CA 92211

**Telephone No.:** 760.341.3101

**Name of Individual to Contact if further Information is Required:** Tamara O'Neal, PE, Project Manager

### CURRENT ON-CALL PLAN CHECK SERVICES CONTRACTS

We have a proven track record of successfully providing On-Call Plan Check services to municipalities throughout Southern California, most of which have been repeat clients. Our team is currently providing On-Call Plan Check services to dozens of agencies, including:

- City of Anaheim
- City of Beaumont
- City of Commerce
- City of Compton
- City of Dana Point
- City of Desert Hot Springs
- City of El Monte
- City of Fontana
- City of Glendale
- City of La Habra Heights
- City of Laguna Beach
- City of Laguna Niguel
- City of Menifee
- City of Moreno Valley
- City of Oceanside
- City of Pico Rivera
- City of San Diego
- City of San Juan Capistrano
- City of Seal Beach
- City of Ventura
- City of Villa Park
- City of Yorba Linda
- County of Imperial
- County of Riverside  
Department of Transportation
- County of San Bernardino  
Department of Public Works

# C. APPROACH

## APPROACH

All projects, regardless of size or complexity, will suffer if they are not managed properly. For this reason, we place high priority on developing a strong project organization and overall project management approach. Even with our broad depth of resources and experience, we recognize that people make projects successful. Quick and responsive solutions, while being sensitive to community issues, are the cornerstones of our accomplishments and company traditions.

## COMMUNICATION

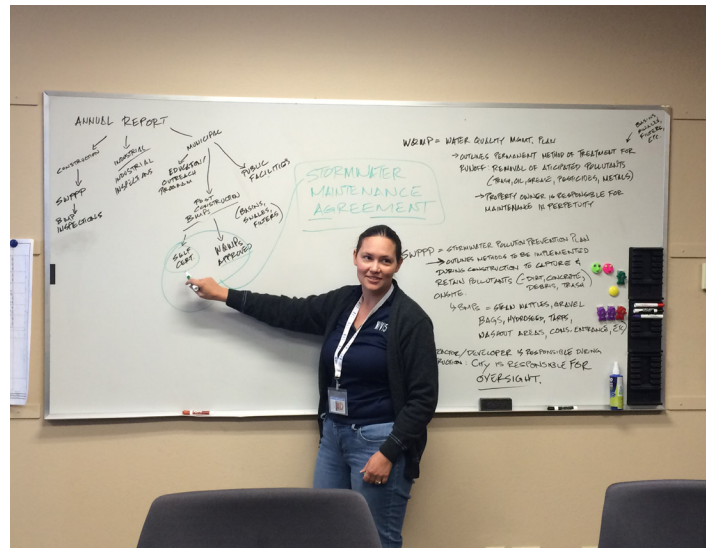
It has been our experience that communication is key to a successful business relationship. Regular, clear communication of project progress, milestones, challenges and developments greatly improves quality, efficiency and transparency for the interested public. Every project requires oversight and management to stay on task and on schedule. NV5 will work closely with City staff in the most complete, cost-effective, and efficient manner to keep task orders focused. Having worked on many municipal projects, our understanding of the procedures, staff and public concerns will provide results that stay within budget and schedule.

## LINES OF COMMUNICATION TO MAINTAIN SCHEDULE

Our project manager, Tamara O'Neal, PE, will be the direct, day-to-day point of contact for City staff. She is a very hands-on project manager and understands the details of design as well as the big picture. Progress and resolution of design and schedule issues will be communicated through regular face-to-face meetings, emails and telephone contact, and supplemented by monthly written progress reports.

## SCHEDULE AND COST CONTROL MEASURES

Through our extensive as-needed civil engineering experience, NV5 places a premium on utilizing proven schedule measures and tools to maintain project momentum and successfully complete projects within schedule. Some of these tools include:



- Regularly Updating the Schedule
- Holding Weekly Resource Allocation Meetings
- Action Items Listing
- Monthly Progress Meetings
- Budget Tracking
- Progress Reporting

## COMMUNICATING THE RIGHT MESSAGE

NV5 is very experienced and committed to working closely with local community members. Our experience includes engaging the public to address questions about a given project, politely addressing their concerns, and understanding their needs. We have coordinated community meetings, made council presentations, and prepared information materials to convey critical project information. As a representative of the City, NV5 will present a positive, helpful image when interacting with residents, businesses, contractors and nonprofit organizations.

## MANAGEMENT PLAN + QA/QC

Our managerial approach is based on shared expectations and clear and consistent communication with City staff throughout the delivery of projects.

Our plan review process highlights the tools and techniques we will employ to deliver quality, accurate, timely and responsive plan reviews:



## C. APPROACH

**Reliable and Responsive Service.** Our project manager will provide proactive communication, utilize proven project management tools and best practices, and will anticipate your needs and quickly respond with accurate and detailed information every step of the way. We are available to meet with the City at kickoff and progress meetings to discuss procedures, projects, and to maintain momentum and project schedules.

**Efficiently Meet Turnaround Deadlines and Maintain Development Momentum.** An emphasis will be placed on our staff's experience with the City and requirements to proactively facilitate communication and processing. We will work to assure proven quality assurance and schedule control measures are implemented.

**Maintain Accuracy and Cost Savings Through Proven Processes and Continuity.** We can implement integrated, standardized processes, including electronic plan reviews that will be utilized by seasoned staff members who deliver plan review comments that are consistent, thorough, accurate, and done right the first time.

### INTEGRATED PLAN REVIEW PROCESS

The step-by-step review process that we follow for every plan check/review assures that review standards are consistently implemented on each project.

We will implement a comprehensive program based on best practices to validate that each and every review is thorough, accurate, consistent and timely.

This system's success is based on thousands of hours of practical, real-world experience by our dedicated personnel and their unique ability to interact quickly and efficiently with your staff. The specific action items in our process include:

**Coordination and Communication:** Our staff will handle the necessary administrative functions, such as project tracking, managing project controls,

maintaining and distributing communications, reviewing agendas and ordinance issues, and fielding calls on project status.

**Analyzing Submittals:** Our team will review and assess initial submittals for completeness, review title sheets and non-technical issues; maintain files; monitor due dates; monitor contract budget and status tracking reports; and coordinate invoicing. Consistency will be maintained by assigning the project to the same reviewer that performed the previous reviews, unless circumstances dictate otherwise.

**Facilitating Quality Reviews:** Our experienced public works plan reviewers will routinely review agency standards, ordinances, guidelines, and update checklists; write comment letters; coordinate project returns; attend review meetings; and communicate comments to the applicant and designers. Because of our depth of resources and project tools (checklists, comment letters), reassigned projects can be reviewed without missing deadlines or causing unnecessary rechecks.

**Providing Expertise:** Our experts will provide a quality, comprehensive review of plans, studies, maps and reports in accordance with all accepted engineering practices, the Subdivision Map Act, applicable regulations and City development standards. Our experts are also available to meet with your staff to clarify comments and discuss solutions, as well as provide full and complete reviews for each project that will minimize the number of resubmittals by the customer.

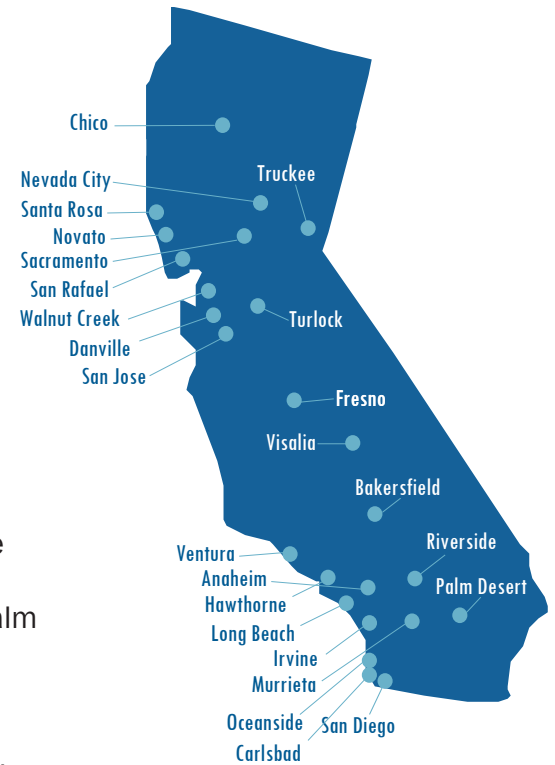
**Quality Assurance/Quality Control:** We are committed to a Quality Assurance, Quality Control and Constructability Review protocol for all deliverables submitted to a client. Our QC policy requires our project engineer and project manager to sign off on the cover sheet and commit that they have reviewed the submittal and are accepting responsibility for the quality of the documents prior to being submitted for review by peers.

# D. FIRM PROFILE & E. LOCATION OF PRINCIPAL OFFICES

## Firm Profile

NV5, Inc., a California Corporation, has been providing engineering and consulting services to public and private sectors for 74 years, delivering solutions through six business verticals: Testing, Inspection and Consulting; Infrastructure; Utility Services; Environmental Health Sciences; Buildings and Program Management; and Geospatial Technology. With more than 100 offices nationwide and abroad, **including more than 20 offices in California**, NV5 has access to over 4,000 employees in a variety of fields who help clients plan, design, build, test, certify and operate projects that improve the communities where we live and work.

Although a majority of the work for this project will be performed out of our San Diego office, we also have established offices in the Cities of Murrieta and Palm Desert — a short drive to the City. Our team members have the ability to co-locate at the Murrieta and Palm Desert offices while allowing for direct access to City projects.

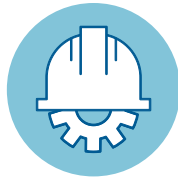


## Key Services

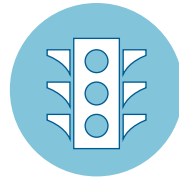
The successful delivery of our products and services has resulted in repeat clients for a broad range of municipal projects. Our key services include:



PLAN CHECK SERVICES



CIVIL ENGINEERING DESIGN



TRAFFIC ENGINEERING



HYDROLOGY + HYDRAULIC ANALYSIS



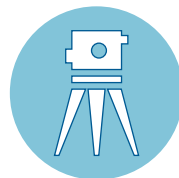
STRUCTURAL ENGINEERING



STORMWATER + EROSION CONTROL SERVICES



WATER + WASTEWATER ENGINEERING



LAND SURVEY + GIS



GEOTECHNICAL ENGINEERING



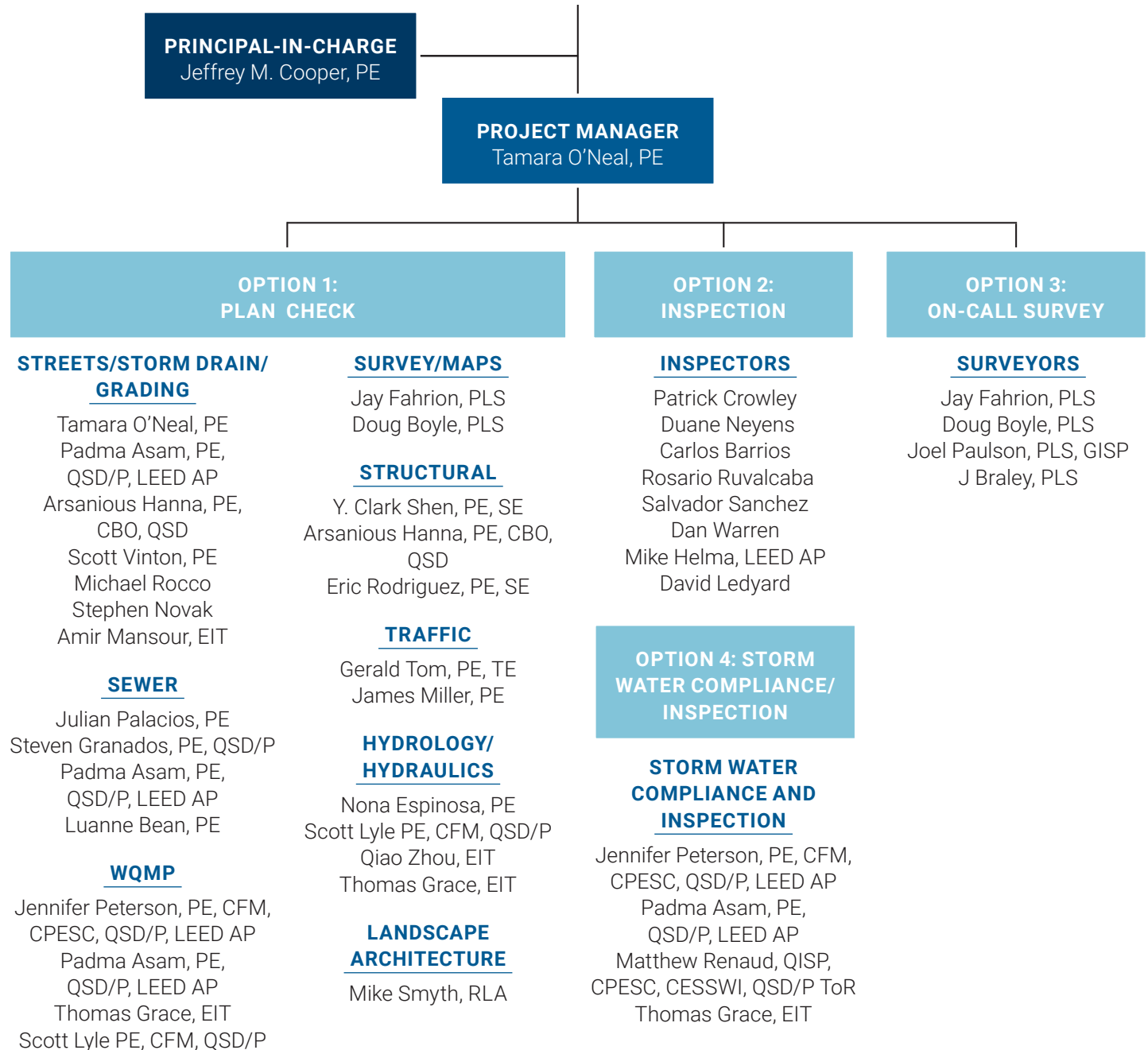
WATER QUALITY SERVICES

We maintain an extensive history of working with various local agencies, and we are well-versed in the standards and requirements of local jurisdictions. Throughout the course of completing myriad public works capital improvement projects, our team has demonstrated an unparalleled ability to work well with local agency staff, project stakeholders, engineers and contractors. We have successfully delivered projects in a timely and cost-effective manner, and we encourage the City to contact our references to confirm our successful track record.

# F. PROPOSED TEAM

## Organization Chart

Our team of experts brings direct, relevant, successful and current experience working on projects of similar scope and complexity. We are equipped with the resources to provide the City with the requested Plan Check and Inspection services. Shown below are team roles and responsibilities.



## F. PROPOSED TEAM

### Summary of Skills

KEY PERSONNEL/ ROLE	KEY PERSONNEL QUALIFICATIONS
<b>Tamara O’Neal, PE</b> Project Manager + Lead Plan Check Engineer (Streets/ Storm Drain/Grading)	Ms. O’Neal has more than 27 years of experience in capital improvement and development review project management, sewer rehabilitation design and planning, stormwater quality regulatory, reporting and review services, asset management, floodplain development services and environmental restoration services. She will continue to be the City’s main point of contact and will manage day-to-day operations.
<b>Padma Asam, PE,            QSD/P, LEED AP</b> Plan Check Engineer (Streets/Storm Drain/ Grading + Sewer + WQMP) + Storm Water Compliance	Ms. Asam has over 16 years of design and development plan review experience. Her experience includes roadway widening and alignments, retaining walls, bridge abutments, pedestrian ramps and utility undergrounding. Ms. Asam has extensive experience reviewing grading plans, street and storm drain improvement plans, utility plans, tract maps, structural plans and details and stormwater-related documents.
<b>Arsanious Hanna, PE,            CBO, QSD</b> Plan Check Engineer (Streets/Storm Drain/ Grading + Structural)	Mr. Hanna has more than 30 years of experience in public works and city engineering, including design, plan check, building and safety, project management, construction management and personnel/department management. He has managed capital improvement programs, reviewed and approved plans and managed construction of contract work for compliance with plans and specifications.
<b>Scott Vinton, PE</b> Plan Check Engineer (Streets/Storm Drain/ Grading)	Mr. Vinton has 31 years of experience in program management, project management, design, and construction management services. His expertise includes commercial, institutional, public works, land development, energy, and transportation projects.
<b>Michael Rocco</b> Plan Check Engineer (Streets/Storm Drain/ Grading)	Mr. Rocco is a Senior Civil Designer with more than 22 years of experience. He excels in the development of complete plan sets, effectively uses digital terrain model surfaces and field data provided by survey teams, and is able to review geotechnical data to assist with earthwork quantity calculations. He has the technical experience to lead plan development for roadway geometric layout, site design, grading, retaining walls, striping, signing, and traffic control.
<b>Stephen Novak</b> Plan Check Engineer (Streets/Storm Drain/ Grading)	Mr. Novak has more than 25 years of experience in civil, environmental and geotechnical engineering. His expertise includes the conceptual planning, design and preparation of rough to precise grading plans; land use studies and preliminary engineering; street design; and water, sanitary sewer, street and storm drain plans.
<b>Amir Mansour, EIT</b> Plan Check Engineer (Streets/Storm Drain/ Grading)	Mr. Mansour has over five years of land development and civil engineering experience, including water and sewer improvements, street improvements, retaining wall, grading and utility projects. He is currently providing plan check services to the City of Beaumont.
<b>Julian Palacios, PE</b> Plan Check Engineer (Sewer)	Mr. Palacios provides planning, engineering design, construction services and feasibility studies for water and wastewater treatment, water distribution, wastewater collection, and hydraulic modeling of water and wastewater systems. He has 23 years of experience completing water and wastewater infrastructure projects for local public agencies.

# F. PROPOSED TEAM

## Summary of Skills

KEY PERSONNEL/ ROLE	KEY PERSONNEL QUALIFICATIONS
<b>Steven Granados, PE, QSD/P</b> Plan Check Engineer (Sewer)	Mr. Granados has 16 years of experience and provides engineering assistance for a variety of water and wastewater projects for local public agencies, including planning, engineering design, and preparation of preliminary engineering reports. He has extensive knowledge of software engineering tools such as AutoCAD, Land Desktop, SewerCAD, Flowmaster, and Microsoft Office.
<b>Luanne Bean, PE</b> Plan Check Engineer (Sewer)	Ms. Bean has more than 34 years of experience in the engineering, design, and construction of water and wastewater projects. Her technical skills include specialized structural analysis and design of large 600-MGD water treatment plants, pipelines up to 12 feet in diameter, mechanical analysis, SCADA & I&C oversight and coordination, diesel generator design and AQMD permitting, the preparation of engineering plans, specifications and cost estimates, as well as construction management.
<b>Jennifer Peterson, PE, CFM, CPESC, QSD/P, LEED AP</b> Plan Check Engineer (Streets/Storm Drain/Grading) + Storm Water Compliance	Ms. Peterson has 26 years experience in the water resources field and managing stormwater quality and drainage projects. She has managed stormwater inspection staff throughout the State of California and provides assistance to other offices and project managers in preparing technical documents and addressing challenging issues related to the State's General Construction Permit, and Phase I and II Municipal (MS4) Permits.
<b>Thomas Grace, EIT</b> Plan Check Engineer (WQMP + Hydrology/Hydraulics) + Storm Water Compliance	Mr. Grace is a registered Engineer-in-Training with over 24 years of experience specializing in hydrologic and hydraulic engineering for urban drainage facilities, flood control improvements, floodplain studies and water quality compliance documentation.
<b>Scott Lyle PE, CFM, QSD/P</b> Plan Check Engineer (WQMP + Hydrology/Hydraulics)	Mr. Lyle has over 38 years of experience in the management and design of a wide variety of multi-objective water resources-type projects, including flood control channels, watershed analyses, detention basins, drainage master plans, and storm drain design. Specific technical skills include performing detailed hydrologic and hydraulic analysis (HEC-HMS, HECRAS), sediment transport analyses, field surveys, floodplain mapping, flood control channel design and stormwater quality design and management services.
<b>Jay Fahrion, PLS</b> Plan Check (Survey) + On-Call Survey	Mr. Fahrion has over 43 years of surveying and mapping experience, with 32 years in Coachella Valley. His experience includes boundary surveys, ALTA surveys, topographic surveys, construction staking, preparing and processing record of surveys, corner records and parcel maps.
<b>Doug Boyle, PLS</b> Plan Check (Survey) + On-Call Survey	Mr. Boyle has 39 years of experience in almost all facets of land surveying. He has in-depth experience in office operations supporting mapping and field survey functions, including work for Final Maps, Records of Survey and other land-related exhibits/records, such as Lot Line Adjustments, ALTA Land Surveys and Legal Descriptions.
<b>Y. Clark Shen, PE, SE</b> Plan Check Engineer (Structural)	Mr. Shen has more than 40 years of experience in the engineering design and management of private and public sector projects. He has overseen plan checking, inspection and permit counter staff for various cities and has extensive experience managing personnel and contracts.

## F. PROPOSED TEAM

### Summary of Skills

KEY PERSONNEL/ ROLE	KEY PERSONNEL QUALIFICATIONS
<b>Eric Rodriguez, PE, SE</b> Plan Check Engineer (Structural)	Mr. Rodriguez has more than 20 years of project engineering and structural design experience. His experience encompasses a variety of projects, including power plants, schools, health care facilities, industrial, and commercial facilities. He has conducted structural code compliance reviews of various power plant structures, non-building structures, and commercial and retail structures.
<b>Gerald Tom, PE, TE</b> Plan Check Engineer (Traffic)	Mr. Tom has 35 years of experience in design, technical specifications preparation, construction management, project management and personnel management. He has held various positions at cities, for which he has managed capital improvement programs, reviewed and approved plans and managed construction of contract work for compliance with plans and specifications.
<b>James Miller, PE</b> Plan Check Engineer (Traffic)	Mr. Miller has over 19 years of experience in the traffic and transportation disciplines, including projects involving roadways, bridges, and other specialty civil projects. He has applied his traffic design expertise to major streetscape and multimodal projects for municipal and state agencies.
<b>Nona Espinosa, PE</b> Plan Check Engineer (Hydrology/Hydraulics)	Ms. Espinosa brings 31 years of experience as a design engineer in numerous water resource projects. She has performed hydrology and hydraulic analysis of storm systems as well as hydraulic calculations to determine pipe size, flow demands, capacities, and other pertinent data for sanitary sewer and water systems.
<b>Qiao Zhou, EIT</b> Plan Check Engineer (Hydrology/Hydraulics)	Ms. Zhou is an Engineer-in-Training and has more than two years of experience with hydrologic and hydraulic (H&H) studies, drainage studies, risk and uncertainty analysis, sediment transport and water quality studies, coastal and riverine flood hazard analysis and mapping, and wastewater treatment process design.
<b>Mike Smyth, RLA</b> Plan Check (Landscape Architecture)	Mr. Smyth has more than 37 years of experience in landscape architecture. His experience working with public agencies ranges from managing his own landscape architecture on-call contracts with state and federal agencies to managing the landscape architecture contributions on other design contracts.
<b>Patrick Crowley</b> Inspector	Mr. Crowley is a public works construction inspector with more than 18 years of experience working on street, water, wastewater, gas distribution, cathodic protection, transmission, and wet and dry utilities projects.
<b>Duane Neyens</b> Inspector	Mr. Neyens has more than 30 years of experience in the construction industry, including experience as a construction inspector, engineering inspections supervisor, and city construction manager having responsibility for both public works and private development projects.
<b>Carlos Barrios</b> Inspector	Mr. Barrios is a water/wastewater inspector with more than 30 years of experience in public works. Additionally, Mr. Barrios was a Grade D5 Certified Water Distribution Operator and Grade T3 Certified Water Treatment Operator.

## F. PROPOSED TEAM

### Summary of Skills

KEY PERSONNEL/ ROLE	KEY PERSONNEL QUALIFICATIONS
<b>Rosario Ruvalcaba</b> Inspector	Mr. Ruvalcaba has more than 35 years of experience in inspection of public works, public utilities construction, and maintenance projects. His construction inspection experience includes water lines, water mains, recycled water lines, sewer mains and lateral installations, catch basins, storm drains, and drainage facilities. He has inspected numerous street improvement projects, including sidewalks, drive approaches, ADA ramps, street excavations, asphalt concrete street paving and slurry seal coating.
<b>Salvador Sanchez</b> Inspector	Mr. Sanchez has more than 30 years of public works experience, managing and delivering a variety of public works projects, including water, sewer, and storm drain improvements.
<b>Dan Warren</b> Inspector	Mr. Warren is a water/wastewater inspector with more than 30 years of experience in public works. He was a Grade III Water Distribution Operator and Grade II Water Treatment Operator for the Rowland Water District and served as a Construction Inspector for the City of La Habra Heights. He has a significant knowledge of all aspects of public utilities and provides expert quality control for all aspects of potable water, sewer, and recycled water works.
<b>Mike Helma, LEED AP</b> Inspector	Mr. Helma has more than 30 years of experience in construction management and inspection with specific expertise in street improvements, sewer, water and storm drain systems, heavy grading, concrete structures, traffic signals, paving and landscaping. He is a LEED Accredited Professional and is adept at managing and inspecting large- and small-scale projects.
<b>David Ledyard</b> Inspector	Mr. Ledyard has more than 40 years of engineering and construction inspection experience. He has served as both a supervisory inspector, overseeing permit inspectors, as well as a lead inspector on various capital improvement projects, including street, sewer, water and storm drain improvements.
<b>Matthew Renaud,</b> <b>QISP, CPESC,</b> <b>CESSWI, QSD/P ToR</b> Storm Water Compliance	Mr. Renaud has 20 years of experience in environmental remediation and stormwater compliance consulting, with a scientific specialization in water quality investigations. Additional areas of expertise include construction and industrial stormwater compliance: SWPPP writing, site inspections/audits, discharge sampling, compliance programs development, and ERA Reports. His responsibilities include the evaluation of analytical data and compilation of data for regulatory filing and final reports.
<b>Joel Paulson, PLS,</b> <b>GISP</b> On-Call Survey	Mr. Paulson brings 38 years of experience in land development, from small two-lot parcel maps to large multi-unit subdivisions, as well as numerous aerial control surveys, ALTA surveys, topographic surveys and construction projects. Mr. Paulson has also been heavily involved in using GIS as a mapping, land planning, and analysis tool.
<b>J Braley, PLS</b> On-Call Survey	Mr. Braley has more than 45 years of experience as a Land Surveyor for public works agencies, institutional agencies, and private land developers. He has a strong background in right-of-way mapping, boundary and title-related issues, as well as topographic surveys, horizontal and vertical control, final monument and construction staking.

# G. REFERENCES — OPTION 1: PLAN CHECK SERVICES

## OPTION 1: PLAN CHECK SERVICES

### 1 On-Call Plan Check, Inspection and Stormwater Management Services

CITY OF BEAUMONT | BEAUMONT, CA

Our team is providing plan check and inspection services for the City of Beaumont on an as-needed basis. Services include subdivision and parcel map review, grading, public and private street and utility improvements, storm drain, sewer, erosion control, geotechnical, hydrology/hydraulic, structural, water quality/NPDES, and landscape reviews.

- ▶ **DATES:** 2018-CURRENT (PREVIOUS CONTRACT - FEBRUARY 2016-2018) ▶ **KEY PERSONNEL:** TAMARA O'NEAL (PM), PADMA ASAM, THOMAS GRACE, JENNIFER PETERSON, JAY FAHRION, DOUG BOYLE (PLAN CHECK)
- ▶ **REFERENCE:** JEFF HART, PUBLIC WORKS DIRECTOR, 550 E. 6TH ST., BEAUMONT, CA 92223, 951.769.8522, JHART@BEAUMONTCA.GOV

### 2 Grading, Hydrology, Hydraulic & WQMP Review

RIVERSIDE COUNTY DEPARTMENT OF TRANSPORTATION | RIVERSIDE, CA

NV5 is providing engineering development review services for a variety of projects ranging from single-family developments to supporting documents for FEMA map revision requests. NV5 has reviewed Hydraulic and Hydrologic Analysis, Water Quality Management Plans (WQMPs), HEC-RAS analysis and other documents as requested for conformance with project conditions of approval, federal state and local guidance documents, and compliance with County requirements.

- ▶ **DATES:** 2021-CURRENT ▶ **KEY PERSONNEL:** TAMARA O'NEAL (PM), PADMA ASAM, THOMAS GRACE, JENNIFER PETERSON (PLAN CHECK)
- ▶ **REFERENCE:** BENJIE CHO, PLAN CHECK SENIOR CIVIL ENGINEER, 4080 LEMON ST., 8TH FLOOR, RIVERSIDE, CA 92501, 951.955.6880, BCHO@RIVCO.ORG

### 3 Plan Check Services

CITY OF DESERT HOT SPRINGS | DESERT HOT SPRINGS, CA

NV5 is providing the City with on-call plan check services for the review of public and private development projects. Services include the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, water quality treatment and erosion control, title documents and review against project conditions of approval for residential, commercial and industrial development applications.

- ▶ **DATES:** APRIL 2022-CURRENT ▶ **KEY PERSONNEL:** TAMARA O'NEAL (PM), JENNIFER PETERSON, PADMA ASAM, THOMAS GRACE, STEVE NOVAK, MICHAEL ROCCO, SCOTT VINTON, NONA ESPINOSA (PLAN CHECK)
- ▶ **REFERENCE:** JILLEEN FERRIS, CITY ENGINEER, 11999 PALM DRIVE, DESERT HOT SPRINGS, CA 92240, 760.329.6411, EXT. 220, JFERRIS@CITYOFDHS.ORG

### 4 On-Call Civil & Water Quality Management Plan Check Services (Civil)

COUNTY OF SAN BERNARDINO | SAN BERNARDINO COUNTY, CA

NV5 is providing engineering development review services for a variety of projects ranging from single-family development to large, multi-phase subdivisions and commercial projects with significant public infrastructure requirements. NV5 reviews Hydraulic and Hydrologic Analysis, Water Quality Management Plans (WQMPs), erosion control plans, soils reports, private grading and public improvement plans for conformance with project conditions of approval and compliance with County requirements.

- ▶ **DATES:** 2020-CURRENT ▶ **KEY PERSONNEL:** TAMARA O'NEAL (PM), PADMA ASAM, THOMAS GRACE, JENNIFER PETERSON, SCOTT VINTON, ERIC RODRIGUEZ (PLAN CHECK)
- ▶ **REFERENCE:** MICHELE MARTIN, SUPERVISING ENGINEER, 385 N. ARROWHEAD AVENUE, SAN BERNARDINO, CA 92415-0187, 909.387.5308, MICHELE.MARTIN@LUS.SBCOUNTY.GOV



# G. REFERENCES — OPTION 2: INSPECTION SERVICES

## OPTION 2: INSPECTION SERVICES

### 1 On-Call Construction Management and Inspection Services

CITY OF TEMECULA | TEMECULA, CA

NV5 is providing on-call construction management services to the City. Services required on public works projects could include project management and construction contract administration; inspection, which may include civil, structural, survey, electrical, hydraulic, traffic, geotechnical, landscaping and irrigation, and wet/dry utilities; quality assurance, including materials sampling and testing; environmental compliance, including National Pollutant Discharge Elimination System (NPDES) implementation and resource agency permits; utility coordination; labor, health, and safety compliance; and pre-construction services; and post-construction services, including preparation of as-builts, punch list and final documentation and turnover of project files.



► **DATES:** JULY 2017-JUNE 2021; JULY 2021-CURRENT ► **KEY PERSONNEL:** MIKE HELMA (INSPECTOR)

► **REFERENCE:** NINO ABAD, PE, ASSOCIATE CIVIL ENGINEER, 41000 MAIN ST., TEMECULA, CA 92590, 951.308.6385, NINO.ABAD@TEMECULACA.GOV

Projects for which NV5 is providing or has provided construction inspection services to the City include:

**Margarita Recreation Center (February 2019-Current):** NV5 is currently providing preliminary design, project management, construction management and inspection services for the Margarita Recreation Center replacement project. This is a Design-Build (DB) project that will demolish the existing facility and replace it with a new building and pool. In concert with City staff, our team recently prepared the design bridging documents and DB Request for Proposal and assisted the City with the DB contract Advertising and Award process. The DB contractor will ultimately complete the design and construction of the project while NV5 provides construction management and inspection services through project completion..

**Butterfield Stage Road (January 2018-June 2020):** Our team provided project management, construction management and inspection services for the Butterfield Stage Road project. The ultimate goal of the project was to widen Butterfield Stage Road from La Serena Way to Rancho California Road, which included the widening of Rancho California Road to four lanes through the intersection of Butterfield Stage Road. The project consisted of grading, embankments/slopes utilities, significant storm drain improvements, retaining walls, access roads, curb and gutter, sidewalk and appurtenant items associated with the new roadway, new storm drain systems (RCP pipe, manholes, transition structures, and catch basins with filters) as well as terrace/inceptor/down and parkway drains, headwalls/wing walls, outlet structures, cut-off walls, concrete aprons and splash walls and pads, conduits and pullboxes and traffic signing and striping. The project also required more than 160,000 cubic yards of export and construction of a massive soil nail retaining wall.

# G. REFERENCES — OPTION 2: INSPECTION SERVICES

## 2 As-Needed Construction Management Services

CITY OF YORBA LINDA | YORBA LINDA, CA

NV5 is providing and assisting in the duties of construction inspection and engineering, including: paving and subgrade inspection, structures inspection, drainage, signing and striping inspection, quantity calculations, checking grade and alignment, construction traffic control and ensuring compliance with project plans and specifications.

► **DATES:** JULY 2021-CURRENT

► **KEY PERSONNEL:** MIKE HELMA, DAVID LEDYARD, SALVADOR SANCHEZ, ROSARIO RUVALCABA, DANIEL WARREN, CARLOS BARRIOS, DUANE NEYENS (INSPECTORS)

► **REFERENCE:** RICK YEE, DEPUTY DPW/ASSISTANT CITY ENGINEER, 4845 CASA LOMA AVE., YORBA LINDA, CA 92886, 714.961.7171, RYEE@YORBALINDACA.GOV



**Bastanchury Road Widening**

Projects for which NV5 is providing or has provided construction inspection services to the City include:

### **Bastanchury Road Widening between Casa Loma Avenue and Eureka Avenue (September 2022-Current):**

The scope of work includes adding a second lane in each direction along with a two-way turn lane in the median; elevating portions of the roadway center line up to 6 feet; constructing retaining walls/structures; installation of traffic signals at the intersections of Bastanchury Road/Casa Loma Avenue and Bastanchury Road/Eureka Avenue; and installation of new bike lanes, a multipurpose trail, and sidewalk/parkway improvements with new irrigation and landscaping.

### **Annual Pavement Preservation Program (Fiscal Years 2012-13, 2014-15, 2015-16, 2019-20, 2020-21):**

Our team has provided construction management and inspection services for the City's Annual Citywide Street Improvement Program for several fiscal years. The scope of work includes reconstruction of sidewalks, driveways, curb, gutter, and ADA curb ramps; roadway section repairs and resurfacing; crack seal and slurry seal; and traffic striping and signage.



**Annual Pavement Preservation**

## G. REFERENCES — OPTION 2: INSPECTION SERVICES

### 3 On-Call Construction Management and Inspection Services

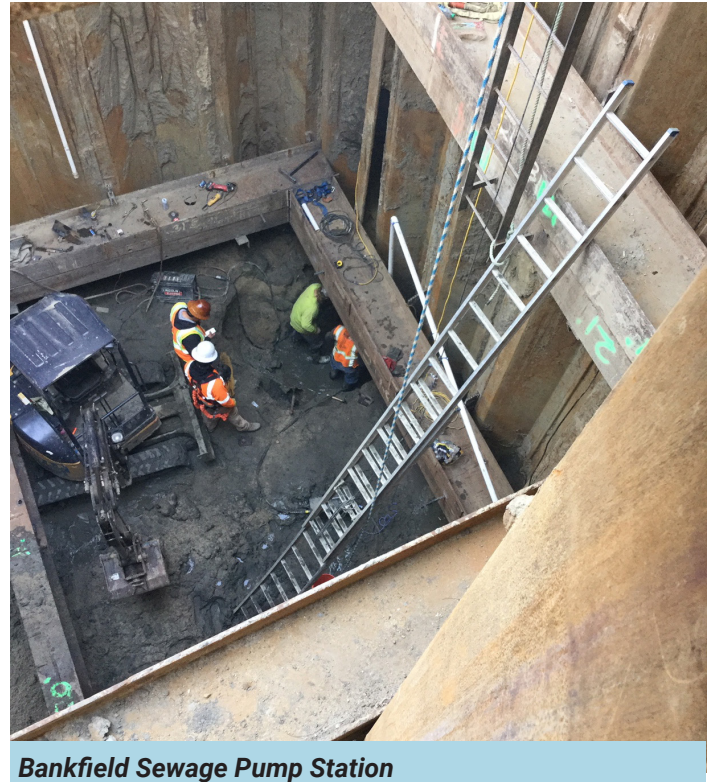
CITY OF CULVER CITY | CULVER CITY, CA

NV5 is providing construction management and inspection services to the City. The Scope of Services could include constructability review, contract administration, construction management and inspection services by highly qualified inspectors well versed in the Standard Specifications for Public Works Construction, working with engineering staff and developing solutions to problems identified in the field, and maintaining all records and ensuring that reporting requirements are met.

► **DATES:** JULY 2018-CURRENT

► **KEY PERSONNEL:** CARLOS BARRIOS, DAN WARREN, SALVADOR SANCHEZ (INSPECTORS), AMIR MANSOUR (PROJECT ENGINEER)

► **REFERENCE:** HONG WANG, PE, SENIOR CIVIL ENGINEER, 9770 CULVER BLVD., CULVER CITY, CA 90232 310.253.5604, HONG.WANG@CULVERCITY.ORG



**Bankfield Sewage Pump Station**

Projects for which NV5 is providing or has provided construction inspection services to the City include:

**Diversion Pipeline (March 2019-2021):** NV5 provided construction management, inspection, and engineering services for the construction of sewer main diversion pipes reversing sewer flow via conventional cut and cover as well as trenchless jack and bore methods to abandon Mesmer and Overland Sewer Pump Stations. This also involved extensive permits and coordination with Caltrans, the City of Los Angeles, and the City of Culver City for these jack and bore pipelines underneath the I-405 and Route 90. The goal of the project was to divert flows from four of the City's sewer pump stations to a new sewage pump station, Bankfield Station, which is another project in which NV5 provided construction management and inspection services during construction.

**Bankfield Sewage Pump Station (October 2018-August 2020):** NV5 provided construction management, inspection, and limited design engineering services for the construction of the Bankfield Sewer Pump Station adjacent to the Caltrans Right-of-Way. The new pump station receives diverted flows from two existing pump stations, and diverted flows from two more pump stations at a later date. The new pump station has a 10-foot-by-20-foot sewer wet well that is 35 feet deep, constructed in groundwater with a discharge permit to the City of L.A. Sewer Interceptor since the water was contaminated and RWQCB would not issue a permit to discharge to storm drain. There are two submersible pumps, a flow meter vault, a valve vault, a bypass vault for the two force mains, an emergency diesel-fueled backup electrical generator, and complete SCADA systems. NV5 assisted with the final design and implementation of the emergency diesel generator, as well as pipeline redesign for the sewer force main, including the AQMD permitting, as the original plans did not accommodate a generator. There is also a 25-foot-by-20-foot building to house instrumentation and SCADA systems, a bathroom and electrical components. **This project is an American Public Works Association BEST Awards winner.**

# G. REFERENCES — OPTION 3: ON-CALL SURVEY

## OPTION 3: ON-CALL SURVEY

### 1 On-Call Engineering Services

CITY OF COACHELLA | COACHELLA, CA

NV5 is providing civil engineering services under a multi-disciplinary on-call engineering services contract. Work has included providing professional on-call survey services since July 2002. Several recent projects include:

#### **Grapefruit Boulevard Urban Greening and**

**Connectivity (2019-2021):** NV5 provided civil engineering, survey, utility relocation coordination and landscape architecture for the project

from Leoco Lane to 9th Street in the downtown area of Coachella. The project included street improvements, widening and rehabilitation of a

portion of the street, tying into existing improvements and adding a median, bioswale system, bicycle trail and pedestrian paths and walkways, as well as landscaping improvements.

**Avenue 48 Widening (2016-2019):** NV5 provided civil design and survey for the partial widening and striping of Avenue 48 between Jackson and Van Buren streets in the cities of Coachella and Indio. Our designs included a new traffic signal designed for the intersection of Avenue 48 and Van Buren, which is under the jurisdiction of both cities and the County of Riverside. The street widening occurred in multiple areas and included curb and gutter, sidewalks and street lighting. NV5 coordinated with the Imperial Irrigation District for electric pole relocations and street lighting design, and with the Coachella Valley Water District. NV5 also performed a topographic design survey and prepared right-of-way legal documents and a Phase-1 environmental assessment as part of this project.

**Van Buren Street Improvements (2018):** NV5 provided engineering and surveying services, including providing topographic surveys of existing features, including aboveground utilities, existing improvements, and preparing a base map of existing conditions. NV5 prepared and processed street improvement plans and profiles replacing the existing pavement and widening the roadway to include a bike path and walking path for Van Buren Street.

**Calhoun Street Improvement Project (2017-2018):** NV5 provided engineering and surveying services, including a topographic survey showing existing features, including aboveground visible utilities and existing improvements along Van Buren Street from the existing Pardee Tract to Avenue 49. NV5 prepared a base map showing existing conditions along with the existing right-of-way. Additionally, NV5 prepared and processed street improvement plans and profiles replacing the existing pavement and widening the roadway to include a bike path and walking path on both sides of Calhoun Street.

► **DATES:** 2002-CURRENT ► **KEY PERSONNEL:** JAY FAHRION (SURVEY MANAGER), DOUG BOYLE (SURVEYOR)

► **REFERENCE:** JONATHAN HOY, CITY ENGINEER, 53990 ENTERPRISE WAY, COACHELLA, CA 92236, 760.398.3502, JHOY@COACHELLA.ORG



**Avenue 48 Widening**

# G. REFERENCES — OPTION 3: ON-CALL SURVEY

## 2 On-Call Surveying Services

CITY OF LA QUINTA | LA QUINTA, CA

NV5 is providing on-call services as requested by the City and has a more than 9-year history working with the City. Work has included:

- Jefferson Street/Avenue 53 Roundabout: Construction Staking (May 2022-April 2023)
- Silver Rock Park Venue Site: Construction Staking (October 2019-June 2021)
- Washington Street @ Fred Waring Triple Left Turn: Construction Staking (October 2020-January 2022)
- Silver Rock Park Way: Construction Staking (July 2020-December 2022)
- Topographic Survey of the La Quinta Library (May 2015-December 2016)



Jefferson Street/Avenue 53 Roundabout

- ▶ **DATES:** CURRENT CONTRACT: AUGUST 2019-CURRENT ▶ **KEY PERSONNEL:** JAY FAHRION (SURVEY MANAGER), DOUG BOYLE (SURVEYOR)
- ▶ **REFERENCE:** BRYAN MCKINNEY, CITY ENGINEER, 78-495 CALLE TAMPICO, LA QUINTA, CA 92253, 760.777.7045, BMCKINNEY@LA-QUINTA.ORG

## 3 Project Phoenix

CITY OF TWENTYNINE PALMS | TWENTYNINE PALMS, CA

NV5 is providing civil design and survey for the downtown redevelopment project in Twentynine Palms called Project Phoenix. The development plan includes a multi-purpose community center, a housing facility, public parking lots, associated paseos, plaza, roadways, street improvements, sewer and water improvements, utility undergrounding, landscaping and lighting improvements.

Our scope of work includes providing aerial topography using our Unmanned Aerial Vehicle (UAV), base mapping, detailed cross sections, planning and vision development, geotechnical investigation, utility coordination for undergrounding existing utilities, sewer design, wastewater treatment system, street design, preliminary signal design, grading and paving design as well as project management and coordination. NV5 provides coordination with Southern California Edison, Frontier, Spectrum, Caltrans, Southern California Gas Company, San Bernardino County Fire Department, Twentynine Palms Water District, the Colorado Regional Water Quality Control Board as well as the city and their consultants.

NV5 prepared a Tentative Parcel Map, prepared right-of-way legal documents, and provided construction staking services as part of this project.

- ▶ **DATES:** 2018-CURRENT ▶ **KEY PERSONNEL:** JAY FAHRION (SURVEY MANAGER), JOEL PAULSON, DOUG BOYLE (SURVEYORS)
- ▶ **REFERENCE:** FRANK LUCKINO, CITY MANAGER, 6136 ADOBE ROAD, TWENTYNINE PALMS, CA 92277, 760.367.6799, FLUCKINO@29PALMS.ORG

# G. REFERENCES — STORM WATER COMPLIANCE

## OPTION 4: STORM WATER COMPLIANCE & INSPECTIONS

### 1 On-Call Inspection, Plan Check and Storm Water Management Services

CITY OF BEAUMONT | BEAUMONT, CA

Our team is providing plan check and inspection services for the City of Beaumont on an as-needed basis. Services include subdivision and parcel map review, grading, public and private street and utility improvements, storm drain, sewer, erosion control, geotechnical, hydrology/hydraulic, structural, water quality/NPDES, and landscape reviews.

NV5 has also been providing stormwater management support for construction, MS4, and Industrial permits as staff extension to the City. We actively participated in assisting the City with a RWQCB audit. NV5 has also been instrumental in helping the City create templates and tracking logs to assist in enforcement efforts and regularly visit active construction sites to observe contractor compliance. NV5 has helped write stormwater guidance for developers and City staff to use as well as their Local Implementation Plan (LIP), which is submittal to the RWQCB each year.

► **DATES:** 2018-CURRENT (PREVIOUS CONTRACT - FEBRUARY 2016-2018) ► **KEY PERSONNEL:** TAMARA O'NEAL (PM), PADMA ASAM, THOMAS GRACE, JENNIFER PETERSON (PLAN CHECK + STORMWATER MANAGEMENT SUPPORT)

► **REFERENCE:** JEFF HART, PUBLIC WORKS DIRECTOR, 550 E. 6TH ST., BEAUMONT, CA 92223, 951.769.8522, JHART@BEAUMONTCA.GOV

### 2 Plan Check Services and Storm Water Compliance

CITY OF DANA POINT | DANA POINT, CA

NV5 is providing development review services for new projects within the City. NV5 serves as an extension of City staff to review projects involving grading, street and drainage improvements, drainage studies and Water Quality Management Plans (WQMPs), building foundations and retaining walls, and parcel/tract maps.

► **DATES:** JANUARY 2016-CURRENT ► **KEY PERSONNEL:** TAMARA O'NEAL (PM), PADMA ASAM, STEVE NOVAK, JENNIFER PETERSON, THOMAS GRACE, MICHAEL ROCCO (PLAN CHECK AND STORMWATER COMPLIANCE SUPPORT)

► **REFERENCE:** MATTHEW SINACORI, DIRECTOR OF PUBLIC WORKS/CITY ENGINEER, 33282 GOLDEN LANTERN, DANA POINT, CA 92629, 949.248.3574, MSINACORI@DANAPOINT.ORG; LISA ZAWASKI, SENIOR WATER QUALITY ENGINEER, 949.248-3584, LZAWASKI@DANAPOINT.ORG



# G. REFERENCES — STORM WATER COMPLIANCE

## 3 Owner's Representative Services for SMARTS Assistance/ Stormwater Permitting

UC SAN DIEGO | SAN DIEGO, CA

NV5 is providing staff extension services for the UC San Diego's (UCSD) Capital Program Management (CPM) group. NV5 has assisted the department since 2012 with stormwater issues such as:

- Assisting EHS and CPM in developing guidance documents for stormwater (i.e. Stormwater Management Requirements for Small Sites less than 1 acre and Hydrology and Water Quality Guidance for Consultants)
  - Reviewing stormwater and water quality related specifications
  - Assisting other Stormwater Audit Consultants when complex issues arise
  - Attending project meetings/teleconferences on behalf of UCSD
  - Providing stormwater training to management staff and field staff
  - Assisting EHS with Phase II Permit compliance (developing checklists and reviewing processes)
  - Certifying documents on the State Water Resources Control Board's website (SMARTS) in conjunction with the Construction General Permit as an Approved Signatory
  - Payment of permit fees to expedite permitting for projects
- ▶ **DATES:** 2022-CURRENT (NV5 HAS PROVIDED UCSD WITH STORMWATER ASSISTANCE SINCE 2012)
- ▶ **KEY PERSONNEL:** JENNIFER PETERSON (PM)
- ▶ **REFERENCE:** ERIC WOLFF, DIRECTOR OF ENGINEERING, UC SAN DIEGO, CAPITAL PROGRAM MANAGEMENT, 10280 N. TORREY PINES ROAD, #470, LA JOLLA, CA 92037, 619.757.8304, EWOLFF@UCSD.EDU



University of California, San Diego

# J. ADDITIONAL INFORMATION

## NV5 – THE CITY’S BEST CHOICE

Why is NV5 the best choice to provide Plan Check and Inspection Services for the City?



### ON-CALL MOBILIZATION

We understand the nature of an on-call/as-needed contract and that we may need to mobilize quickly and be ready to manage or inspect a project at a moment’s notice.

With NV5 as your consultant, the City has access to a full spectrum of professional services. This allows City management to more effectively manage its departmental goals and daily operations. The range of disciplines, talent and expertise on our team allows us to access the necessary resources as needs arise and to complete any assigned task expeditiously.



### EFFICIENCY

We operate with a working knowledge of City processes and environment, enabling us to provide the most cost- and time-efficient services.

A quick, well-informed solution to project concerns is always the best policy. Staying one step ahead of potential problems and having the right team in place to right any wrongs is our recipe for staying on track.

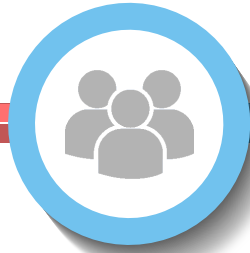
Additionally, you can forgo the pains of familiarizing your department with a new consultant team who are unaccustomed to City requirements, as you will be supported by a team with several years of experience working in and for various cities.



### COMMUNICATION

We will conduct and coordinate all communications with the City for plan review comments to assure that plan review issues are handled efficiently.

During the plan review process, we are prepared to meet with City staff and the applicant at any time. Our staff will handle the necessary administrative functions, such as project tracking, managing project controls, maintaining and distributing communications, reviewing agendas and ordinance issues, and fielding calls on project status.



### STRENGTH OF OUR TEAM

NV5 is a leader in the design and construction of capital improvements as well as staff augmentation services.

As a part of NV5, Inc., we have the ability to assist our clients in an expanded role with access to more than 4,000 professionals from 100 locations. We have also added a wide range of additional services in the areas of infrastructure, construction quality assurance, energy, environmental and program management.



### RELEVANT EXPERIENCE

At NV5, we understand the importance of public works services and capital improvement projects.

We understand that these services and projects are necessary to keep improving the lives of any city’s inhabitants and have more than 70 years of experience partnering with myriad cities across Southern California to provide professional engineering services, construction support services, and engineering support staff.

We encourage the City to contact our references to confirm our successful track record.



## K. STATEMENT OF LICENSE AND INSURANCE

### **STATEMENT OF LICENSE AND INSURANCE**

NV5 will have an active City of Beaumont Business License and the required insurance coverage in force at the time of contract execution.

# APPENDIX

# SCOPE OF SERVICES — OPTION 1: PLAN CHECK SERVICES

## SCOPE OF SERVICES FOR OPTION 1: PLAN CHECK SERVICES

NV5 has thoroughly reviewed the RFQ, and we are equipped with the personnel and resources to provide the City with all of the services contained in Option 1: Plan Check Services.

Our primary approach is to serve as a direct extension of the City staff. NV5 will take every measure possible to see that the City's timeline is met. It is our intention to consistently beat the plan review turnaround times while assuring continuous quality and reasonable implementation of the state codes and all local amendments. We will put forth a coordinated effort and responsibility to track and coordinate all applications or requests received in the City.

All plan check services will be driven by the accepted architect-engineering and industry professional practices and will comply with the applicable regulations. Turnaround times of plan checks are crucial, and we intend to return plan checks within the timelines outlined by the City. We continually train existing employees and recruit new talent to exceed the expectations of our clients.

We understand how essential it is for individual departments to work together in order to build a successful project. Our philosophy is to work closely with all departments, divisions and agencies to eliminate redundancy and increase efficiency. We understand the difficulties in interpreting design standards, and we take pride in providing solutions for your constituents.

Outlined below is the general process the NV5 team utilizes to provide plan review services. This is presented as a guideline to be adjusted according to the processing procedures of your jurisdiction. We will work with the City in a seamless manner for review of plans for code compliance and keeping projects moving to the finish line.

### PROJECT DELIVERABLES: PLAN CHECK PROJECTS

Deliverables for a typical plan check project include:

- Cost confirmation letter (if required)
- Signed comment letter with checklist
- Redlined plans

In compliance with state law, all plan check services will be performed by or under the responsible charge of a California licensed professional eligible to prepare and sign the type of map, plan, or professional study being reviewed. All plan review memos will be signed and sealed by a duly licensed professional.

### PLAN CHECK SUBMITTALS SEQUENCE

Each submittal will generally follow the following sequence:

#### First Plan Check

The initial plan check will be comprehensive and identify all significant issues. It is important to present significant issues to the developer as early in the review process as possible, so that the developer can respond in a timely manner. In addition to the typical scope of services, the first plan check will include the following:

- Plan Review Checklist
- Review of Conditions of Discretionary Approval
- Analysis of Easement Requirements and Right-Of-Way Needs
- Identification of Required Coordination with Inter-Agency Jurisdictional Issues

#### Subsequent Submittals

Plan check resubmittals are reviewed for completeness and to determine if all previous comments have been fully addressed. If the developer has made significant changes to the submittal, new review comments may be necessary. The NV5 plan checker will identify remaining deficiencies in the documents for subsequent reiterations of the plan check submittals.

#### Final Review

We anticipate that after no more than three (3) plan checks, NV5 will request that the developer submit final plans and associated documents, as required by the City for final review. NV5 will confirm that plans are complete and that all associated documents have been submitted. NV5 will then provide an approval letter and other required documents and transmittals, depending on the type of review.

# SCOPE OF SERVICES — OPTION 1: PLAN CHECK SERVICES

## Transmittal

NV5 will maintain accurate and comprehensive records related to all plans, calculations and documents received.

We will screen and log every application to assure they are routed to all plan checkers in a timely manner. All submittals are checked for compliance with relevant state and local requirements. The log serves as a tracking device to assure turnarounds and completeness of review.

## Corrections

NV5 will assure that corrections are handled as quickly and as clearly as possible. We will identify all corrections based on compliance with specific standards, codes and regulations. We will either provide notes on the plans as appropriate, or provide a correction sheet detailing which items need to be addressed for plan approval.

Each project will be reviewed with strict adherence to our company policy of independent objectivity as a third party. Projects have ranged from the simple to the complex across all types of construction. Our wide exposure and expertise allow us to provide impartial and comprehensive plan reviews clearly indicating the applicable codes and standards and documenting noted deficiencies. Our reviews are individually prepared for each project, and, while we use Agency standard checklists as a basis for our review, we also review each individual project for site-specific impacts and technical merits — including boundary conditions and general construction considerations. Our Plan Review Reports are written to provide the design team with a clear and concise understanding of the issues. Comments from each discipline are grouped together for easy reference, and each comment references a specific item in the plans or specifications as well as a reference.

## Approvals

Upon completion of each plan review, plans and supporting documents will be returned to the City recommending approval. Approval will only be given when all compliance issues are resolved to the best



of our team's knowledge and all requirements of the City are satisfied.

## Plan Check Turnaround Times

- First plan checks will be reviewed and returned not more than 15 business days from receipt of submittal package
- Second and subsequent plan checks will be reviewed and returned within 7 days from receipt of submittal package

## Accelerated Plan Review

Some plans may require expedited review. At your request, we will perform plan review services within an accelerated time frame. Accelerated plan review may require an additional fee, agreed upon by the applicant and NV5.

## Meetings

We will conduct and coordinate all communications with the City for plan review comments to assure that plan review issues are handled efficiently. During the plan review process, we are prepared to meet with City staff and the applicant at any time. Our goal is to issue approved plans as quickly as possible, but in full compliance with local codes, ordinances and guidelines. Our experience suggests greater involvement early in the design process yields exceptional benefits. We feel it is helpful to be involved in Development Review meetings for projects subject to the Planning Review process.

# SCOPE OF SERVICES — OPTION 2: INSPECTION SERVICES

## SCOPE OF SERVICES FOR OPTION 2: INSPECTION SERVICES

NV5 has thoroughly reviewed the RFQ, and we are equipped with the personnel and resources to provide the City with all of the services contained in Option 2: Inspection Services.

Having spent the past seven years inspecting private and capital projects within the City, our team understands the nuances of City geography and development patterns, making them uniquely qualified to react quickly and confidently to a diverse workload and to anticipate challenges based on unique field conditions.

Detailed and accurate inspection of the contractor's work is required for successful project completion. Our Resident Inspector will discuss any appropriate revisions to the contractor's methods and coordinate with the City's Project Manager at all times that work is progressing. Our Inspection services can include:

- Review and become familiar with all contract- and construction-related documents, including plans and specifications, traffic control plans, construction schedules, construction sequences and permitting requirements, and present any concerns during the pre-construction meeting. Attend subsequent progress meetings to maintain communication regarding issues or problems. For all projects, maintain correspondence file and copy all contractor communications to the City.
- Perform daily field and quality control inspections and measurements of the contractor's work, submittals, and construction materials to assure all conform to the contract documents, City codes and ordinances, "Greenbook" Standard Specifications, Manual of Traffic Controls for Construction and Maintenance Work Zones, Caltrans Construction Manual and all other applicable codes and regulations. Health and safety measures will be strictly enforced to maintain a safe construction environment.
- Prepare daily reports, including daily progress



photos, and detail work completed and/or other activities for each day the contractor performs work. Daily reports will state at a minimum the date, weather conditions, traffic control measures taken, progression of work, materials used, and subcontractors, equipment and employees on site, and major incidents/safety violations. We will also prepare reports of deviations and non-conformance to specifications and provide responses in accordance with the specification requirements. Notices of Non-Compliance will be immediately delivered to the contractor for any and all deviations.

- We will monitor the establishment, maintenance and any requirement modification of the approved SWPPP. Should the provisions for developing the SWPPP in the specifications be inadequate to support development of a comprehensive and timely submitted stormwater and erosion control plan necessary to comply with current NPDES requirements, the NV5 team can work closely with the design consultants to incorporate the required language into the project specifications suitable to meet these goals.
- Monitor utility coordination as set forth in the pre-construction meeting, reporting conflicts to the City and recommending a course of action.

# SCOPE OF SERVICES — OPTION 2: INSPECTION SERVICES

- Assure compliance to the coordination plan set forth in the project startup to mitigate construction impacts to businesses and residents, altering and revising the coordination plan as project demands require. As part of the coordination plan, monitor site safety, public safety and convenience, reporting problems to the City.
- Assure implementation of a traffic control plan that is in accordance with the latest Work Area Traffic Control Handbook (WATCH) manual requirements, the City's requirements, and the contract documents.
- Compile detailed punch lists with the City, Consultants, and contractor. NV5 will conduct a preliminary walk-through with the contractor to assure there are no blatant issues and to generate a preliminary punch list. After completion of the preliminary punch-list items, prepare the final punch list and coordinate with the contractor for item completion. All punch lists generated will include schedules for completion.
- Upon project completion, conduct final inspection, closeout permits, including encroachment and construction/excavation, and prepare and submit as-built plans to the City.



## Inspection Response Time

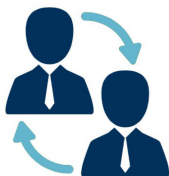
NV5 requests a minimum of 24 hours advance notice to respond to inspection requests; however, in the case of an urgent need, we will make every effort to provide assistance in an expedited time frame.

## WHY NV5?

- ✓ Providing Reliable & Responsive Professional Plan Check and Inspection Services
- ✓ Using Local Knowledge from Previous Local Agency Partnerships and Experience
- ✓ Meeting the City's Needs



MOBILIZE QUICKLY  
TO PROVIDE SERVICES



CLEAR COMMUNICATION  
ONE POINT OF CONTACT



EQUIPPED  
WITH RESOURCES



QUICK RESPONSES TO  
ISSUES AND CONCERNS

UNDERSTANDING THE NATURE OF ON-CALL CONTRACTS AND THEIR CHALLENGES  
ALLOWS US TO MEET THE CITY'S NEEDS AND ACHIEVE ITS GOALS

# SCOPE OF SERVICES — OPTION 3: ON-CALL SURVEY

## SCOPE OF SERVICES FOR OPTION 3: ON-CALL SURVEY

NV5 has the experienced staff and resources, including state-of-the-art Trimble GPS and Robotic equipment to provide excellent service to meet the needs of the City of Beaumont. All services provided by NV5 will be performed by or under the direct supervision of a licensed land surveyor.

NV5 is available to provide the following services:

### Boundary/Network Surveys/Topographic Surveys

NV5 has years of experience establishing property lines, right-of-way lines and network surveys throughout Southern California. We possess record information in our office from local agencies, county surveyor maps, city and county tie sheets and benchmarks, and Bureau of Land Management records. We will prepare and process Records of Survey maps or Corner Records as necessary.

NV5 provides topographic surveys based on field data of existing sites, streets or structures and will prepare a base map showing existing topography and prominent surface features along with record information of existing utilities. We will provide information to the City in a digital or various other electronic or print formats.

### Legal Descriptions, Plats and Right-of Way Maps

NV5 will prepare legal descriptions, plats and right-of-way maps from record or survey information or as researched from deeds, recorded maps or as-built surveys. We will provide the finished product to the City in the form of a hard copy, wet signed and sealed, along with digital or print copies of the product.

### Corner Record Preparation

NV5 has experienced staff available on short notice to prepare corner records and process through the County Surveyor.

### Photogrammetric Surveys

NV5 has established an in-house qualified aerial photogrammetry group to offer topographic and orthophoto mapping services. Topographic maps



can be created for projects from any NV5 offices.

Using manned or unmanned aircraft, NV5's aerial group can execute any sized project. The team has flown 1,000-acre projects for stereo mapping for topographic surveys and 10,000-acre projects to produce LiDAR and orthomosaic data.

NV5 uses the latest in multi-rotor and fixed wing unmanned aircraft in addition to using sensors such as the Riegl VUX1 LiDAR Scanner, high resolution RGB cameras, FLIR long wave infrared (thermal) and multispectral sensors.

We utilize an unmanned aircraft with the proven reputation of safe and reliable operation, such as the Sensefly eBee and the DJI Matrice 600 Pro, with all aircraft maintained, utilized and stored properly.

NV5's wide reach across the nation promotes our company's ability to be quick and responsive to urgent or emergency operations. While having the capabilities to respond efficiently, NV5's aerial remote sensing services provide quick data procurement and processing — while maintaining accurate deliverables at an affordable price.

We offer a variety of mapping scales that range from planning purposes all the way to design scale. We can accommodate and customize your mapping and imagery needs to that of your specific project. Having our own in-house aerial group saves the City money and time to complete this task.

# SCOPE OF SERVICES — OPTION 3: ON-CALL SURVEY

## Construction Staking Services

NV5 is prepared to provide qualified survey parties for construction staking services as needed. We also can provide as-built surveys of all projects along with as-built plans for a project.

## Quality Assurance

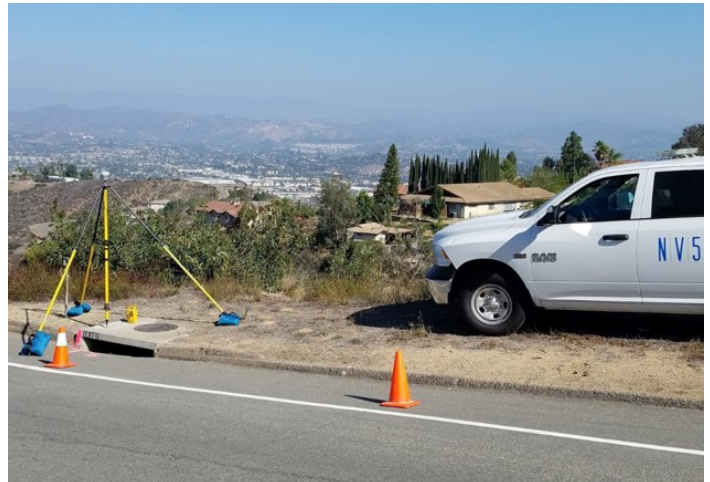
NV5 is prepared to provide survey crews and office staff to produce as-built surveys and grading certifications for city projects. With the type of equipment we have for our field work, we are able to provide a single member survey crew to the field for these tasks to save the city money, when appropriate. NV5 field and office staff peer review of survey data will be conducted as a quality check, when needed.

## Monument Inspections

NV5 is prepared to provide single member or multiple member survey crews to perform monument inspections for final maps, parcel maps and other situations, and will submit a written report to the city stating all monuments were set per the map or what was not located.

## Mapping Services

NV5 has experienced staff available on short notice to prepare maps, plats, records of survey, and other exhibits from record or survey information and also has a GIS analyst on staff to meet the needs of the city.



## Monument Perpetuation

NV5 is prepared to tie out existing monuments and replace missing monuments after construction is completed. We will prepare corner records and process with the County Surveyor. NV5 can also perform retracement surveys for the purpose of re-establishing lost or destroyed control monuments, followed by filing the required maps, ties or records of survey with the City and County Surveyor.

## Office Calculations and Supervision

NV5 has experienced staff available to review proposed requests, check plans for accuracy and provide survey crews with the information needed to complete the request. All of these tasks will be done under the supervision of a licensed surveyor.



# SCOPE OF SERVICES — OPTION 4: STORM WATER COMPLIANCE

## SCOPE OF SERVICES FOR OPTION 4: STORM WATER COMPLIANCE & INSPECTIONS

We understand the City's need for technical consulting services related to overall NPDES Compliance and MS4 NPDES permit program administration. Our team of stormwater compliance experts are well versed in the challenges faced by our municipal clients during the implementation of an NPDES program. To this end, we propose the following basic scope of services.

### Meeting Attendance and Reporting

NV5 can provide a stormwater specialist to attend any local MS4/NPDES -related meetings, such as Riverside County's Co-Permittee Meetings or Permit Reissuance Meetings, and provide feedback to the City on items that could potentially affect the City. Acting as an "extension of your staff," we would work closely with you to discuss any items of interest that are discussed during the meetings and provide feedback to the Co-Permittee group. We propose that monthly meetings be conducted with the City to discuss any items of interest during the period of "permit reissuance." An agenda with discussion items will be provided to the City in advance of each meeting.

**SUB-TASK:** Attendance at Riverside County Co-Permittee meetings and any other required NPDES-related meetings; monthly stormwater coordination meetings between the NV5 stormwater specialist and staff from the City's Code Enforcement, Community Services and Public Works departments.

### Review and Approval of NPDES Documents, Permit Applications and/or Plans

NV5 will provide trained stormwater staff to assist with the review of permit application documents and plans, including SWPPP documentation, Stormwater Applicability Checklists and other forms, WQMP reports, and any other required documentation, including review of best management practices (BMPs). We will review project submittal documents/plans for compliance with the City's Municipal Code and Riverside County's WQMP Guidance documents and LID (Low Impact Development) Handbook.



**SUB-TASK:** Provide development review staff for NPDES compliance documentation and WQMP Plans/Exhibits. Work with City staff to provide regular input into the improvement of current processes, as needed.

### NPDES Inspections & Enforcement

NV5 can provide stormwater inspection staff to assist with any inspections that are required to comply with the City's JRMP and the Regional MS4 permit. We can work with City staff to review the current tracking system for performing inspections and can assist where needed to streamline this process to be efficient as possible. We can assist in the prioritization of any NPDES inspections that are needed for compliance, including any of the following types of inspections: Construction Stormwater Inspections, Commercial/FOG (Fats, Oils & Grease) Inspections, and Post-Construction BMP inspections. We can support the City with scheduling, tracking, inspection reporting, and enforcement procedures as needed. Our inspectors often use mobile software and iPads/phones for more efficient inspections, but we can also provide a detailed report in PDF format with photos if that is an option that is desired. We would want to work carefully with the City to understand the current enforcement process in place for its NPDES program and escalate any non-compliance issues if they cannot be resolved within a timely fashion.

# SCOPE OF SERVICES — OPTION 4: STORM WATER COMPLIANCE

**SUB-TASK:** Assist City staff with various NPDES inspections, as needed, including Commercial/FOG, Construction, and Post-Construction inspections.

**SUB-TASK:** Coordination of any enforcement actions that may be required for non-compliant sites with City staff. This can be done on a weekly basis via email and by having a follow-up meeting either in person or virtually to resolve more complex issues on sites.

## Training

NV5 is a leader in developing and delivering training programs to enhance the skills and competencies of individuals with stormwater management and protection responsibilities supporting all elements of the implementation activities outlined in watershed management, water quality improvement, and other implementation plans. We have developed content and provided both in-person and virtual training programs such as GoTo Webinar, GoTo Meeting, and many others in both English and Spanish. Our training has been provided to well over 600 individuals in the Southern California region who are responsible for implementing municipal NPDES compliance programs, industrial and commercial inspection programs, industrial permit programs, construction general permit programs, and groundwater concerns such as drought mitigation strategies. Additionally, we have several QISP and QSD/P trainers of record on staff and have conducted dozens of training sessions to varying audiences in an assortment of settings, including training of municipal staff of MS4 and Construction General Permit (CGP) requirements, Industrial General Permit (IGP) training for industry personnel, and workshops for the public on MS4 and IGP compliance requirements. We are able to tailor our training programs to meet the needs of the client and aim to present information in an accurate, clear and digestible way for any audience. Our training can be provided in either formal (classroom or lunch and learn) or informal environments (such as field training or shadowing an inspector).

**SUB-TASK:** Depending on the type of training needed, NV5 can prepare a proposal and cost for

the training within a few days of a request from the City. The cost of training will vary based on the size of the audience and level of preparation needed to prepare any materials that are needed.

## CEQA Reviews

NV5 staff are extremely familiar with providing CEQA reviews for all types of projects, including private and public projects. We believe that the planning stages of a project are key for setting major stormwater elements of the project, including drainage and stormwater infrastructure, and will analyze these two items together to determine if the concept will satisfy the current MS4 permit requirements and to assure a successful project once it gets to the design stage. We would carefully review the types of BMPs that are being proposed and provide input on the concept plan as well as any other site and/or source control BMPs that are recommended for projects. We also carefully review any preliminary drainage and geotechnical information to fully understand that project as a whole and where opportunities and constraints may lie.

**SUB-TASK:** CEQA reviews of stormwater documents, such as P-WQMPs for priority development projects, review of site and source control BMPs for standard projects, and review of preliminary SWPPP and temporary construction BMPs.

## MS4 Review for Capital Improvement Projects

We can provide detailed review of plans for any Capital Improvement Projects and outline the required MS4 requirements for that project, including whether it would be identified as a Priority of Standard development project, whether it could be exempt from providing treatment control BMPs, whether Hydrologic Conditions or Concern would apply, and what construction stormwater requirements would be required. We can either provide a formal technical memorandum that summarizes the NPDES requirements for the project or can also informally set up a call with the City to discuss the approach.

**SUB-TASK:** Review of CIP projects on an as-needed basis to establish regulatory requirements for construction and post-construction compliance.

## CONTACT INFO

tamara.oneal@nv5.com

## EXPERIENCE

27 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. 69107

## TAMARA O'NEAL, PE

### Project Manager + Lead Plan Check Engineer

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Ms. O'Neal has more than 27 years of experience in municipal and private engineering services, including capital improvement and development review project management, sewer rehabilitation design and planning, stormwater quality regulatory, reporting and review services, asset management, floodplain development services and environmental restoration services. In addition to having direct public agency employment experience, Ms. O'Neal has provided extension of staff services on a consultant basis for numerous cities, as well as water and sanitation districts in San Diego, Orange and Los Angeles counties.

### Project Experience

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#### On-Call Plan Check + Public Works Inspection Services

CITY OF BEAUMONT | BEAUMONT, CA

**Project Manager.** Ms. O'Neal is providing the City with review of as-needed private development projects and public works inspection services. Reviews include improvement, sewer and storm drain plans, hydrology and hydraulic reports, water quality reports, geotechnical reports, structural calculations and cost estimates.

#### Plan Check of Water Quality Management Plan Hydrology Reports and Plan Check Services

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT | RIVERSIDE, CA

**Project Manager.** Ms. O'Neal served as the Project Manager overseeing plan checking of WQMP (Water Quality Management Plan) and Hydrology Reports associated with new development and significant redevelopment projects, and plan check services for private development projects for compliance with the county's MS4 permits and the Riverside County WQMP for Urban Runoff. Review of P-WQMPs, F-WQMPs, Hydraulic and Hydrology reports, floodplain studies, and grading plans.

#### Plan Check Services

CITY OF DESERT HOT SPRINGS | DESERT HOT SPRINGS, CA

**Project Manager.** Ms. O'Neal is overseeing the team providing on-call engineering plan check services. Services include the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, water quality treatment and erosion control, title documents and review against project conditions of approval for residential, commercial and industrial development applications.

#### On-Call Plan Review Services

CITY OF PALM DESERT | PALM DESERT, CA

**Project Manager.** Ms. O'Neal oversaw the team providing on-call plan review services for the City of Palm Desert. Services included the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, and water quality technical documents.



## Civil & Water Quality Management Plan Check Services

COUNTY OF SAN BERNARDINO | SAN BERNARDINO, CA

Ms. O'Neal is providing engineering development review services for a variety of projects ranging from single-family development to large, multi-phase subdivisions and commercial projects with significant public infrastructure requirements. NV5 reviewed Hydraulic and Hydrologic Analysis, Water Quality Management Plans (WQMPs), erosion control plans, soils reports, private grading and public improvement plans for conformance with project conditions of approval and compliance with County requirements.

## As-Needed Plan Review + Inspection

CITY OF SAN DIEGO | SAN DIEGO, CA

**Project Manager.** Ms. O'Neal is overseeing the as-needed plan review and inspection services contract for the City. NV5's first task in 2022 consisted of assisting the City with expedited (rapid) reviews for a backlog of over 150 building construction plans and water quality documents submitted by applicants seeking building permit approval. The NV5 team began onboarding in mid-May and quickly became well versed in the City's Accela and EPR review and permitting programs. Beginning with a backlog of over 150 rapid reviews on June 14, the NV5 team was able to quickly reduce the backlog to single digits by July 15 – about a month after the start of the task. This also included reviewing daily incoming new submittals that varied from 5 to 20 per day, which NV5 successfully managed concurrently with the backlog. With the backlog cleared, the City entered the “maintenance phase,” with NV5 assisting with current incoming rapid reviews, assuring that they were being reviewed in a timely manner. During this time, NV5 staff completed over 700 rapid reviews for the City and quickly built a strong and successful working relationship with the City and its staff. The City subsequently requested a team of Structural Engineers to assist in clearing a backlog of Building Department Reviews. In February 2023, NV5 was awarded a \$2.5M As-Needed Plan Check and Inspection Services contract to supplement City staff and continue assisting the City with maintaining permit processing timeline goals.

## On-Call Plan Check Services

CITY OF PICO RIVERA | PICO RIVERA, CA

**Project Manager.** Ms. O'Neal oversees this on-call plan check contract for the City. Reviews include subdivision maps, parcel maps, boundary adjustments and legal descriptions for conformance with local and state ordinances and laws; grading plans; street improvement plans; stormwater quality management plans; hydrology and hydraulic calculations and reports; engineer's cost estimate for the related items of work for bonding purposes; engineer's reports, including stormwater pollution prevention plans; erosion and sediment control plans; and geotechnical report review.

## On-Call Plan Check Services

CITY OF LAKE ELSINORE | LAKE ELSINORE, CA

**Project Manager.** Ms. O'Neal oversaw the review of Water Quality Technical Reports, grading plans, tract improvement plans, parcel mergers and lot line adjustments. Due to the unique nature of Lake Elsinore's water conservation requirements, NV5 developed delineating maps to distinguish “Highest and Best Use” areas for the City to streamline the plan review process.

## On-Call Plan Check Services

CITY OF MENIFEE | MENIFEE, CA

**Project Manager.** Ms. O'Neal was the project manager on two contracts awarded by the City to support development review and to provide design of capital projects.

## CONTACT INFO

padma.asam@nv5.com

## EXPERIENCE

16 years

## EDUCATION

M.S. Structural Engineering

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. 83896

Qualified SWPPP  
Developer/Practitioner  
(CA) No. 27085

LEED Accredited  
Professional

## PADMA ASAM, PE, QSD/QSP, LEED AP

### Plan Check (Streets/Storm Drain/Grading + Sewer + WQMP) + Storm Water Compliance

Ms. Asam has 16 years of design experience in public work projects, including design of roadway widening and alignments, retaining walls, pedestrian ramps, engineering reports and utility undergrounding. She is adept in the design standards of various local public agencies in Southern California. Ms. Asam has extensive experience reviewing grading plans, street and storm drain improvement plans, utility plans, tract maps, structural plans and details and stormwater-related documents.

### Project Experience

#### On-Call Public Works Inspection and Plan Check Services

CITY OF BEAUMONT | BEAUMONT, CA

**Project Engineer.** Ms. Asam is providing review of private development projects and public works inspection services.

#### Water Quality Management Plan + Hydrology Report Plan Check Services

COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT | RIVERSIDE, CA

**Plan Check Engineer.** Ms. Asam provides plan checking services for WQMP (Water Quality Management Plan) and Hydrology Reports associated with new development and significant redevelopment projects, and plan check services for private development projects for compliance with the county's MS4 permits and the Riverside County WQMP for Urban Runoff. Review of P-WQMPs, F-WQMPs, Hydraulic and Hydrology reports, floodplain studies, and grading plans.

#### Plan Check Services

CITY OF DESERT HOT SPRINGS | DESERT HOT SPRINGS, CA

**Plan Check Engineer.** Ms. Asam is part of the NV5 team providing on-call engineering plan check services to the City. Services include the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, water quality treatment and erosion control, title documents and review against project conditions of approval for residential, commercial and industrial development applications.

#### Civil & Water Quality Management Plan Check Services

COUNTY OF SAN BERNARDINO | SAN BERNARDINO, CA

**Plan Check Engineer.** Ms. Asam is providing engineering development review services for a variety of projects ranging from single-family developments to large, multiphase subdivisions and commercial projects with significant public infrastructure requirements. NV5 reviewed Hydraulic and Hydrologic Analyses, Water Quality Management Plans (WQMPs), erosion control plans, soils reports, private grading and public improvement plans for conformance with project conditions of approval and compliance with County requirements.



## CONTACT INFO

arsanious.hanna  
@nv5.com

## EXPERIENCE

30+ years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. 70743

Civil Engineer (CO)  
No. 0061094

Civil Engineer (AZ)  
No. 38772

Civil Engineer (TX)  
No. 142591

ICC Certified Building  
Official

QSD

ICC Certified Building  
Plans Examiner

CA Safety Assessment  
Coordinator (SAP)

## AFFILIATIONS

American Public Works  
Association (APWA)

American Society of Civil  
Engineers (ASCE)

California Building Officials  
(CALBO)

International Code Council  
(ICC)



## ARSANIOUS HANNA, PE, CBO, QSD

### Plan Check Engineer (Streets/Storm Drain/Grading + Structural)

Mr. Hanna has more than 30 years of experience in public works and city engineering, including design, plan check, building and safety, project management, construction management and personnel/department management from the planning and design phases through the construction phase. He has held various positions at public agencies, including five years at the City of Irwindale and 17-plus years at the County of Los Angeles Public Works Department. He has managed capital improvement programs, reviewed and approved plans and managed construction of contract work for compliance with plans and specifications.

### Project Experience

#### Senior Plan Check Engineer

LOS ANGELES COUNTY PUBLIC WORKS, BUILDING & SAFETY DIVISION

**Senior Plan Check Engineer.** Mr. Hanna provided senior-level management and plan check services to the County's Building & Safety Division. Los Angeles County Public Works is one of the largest municipal public works agencies in the United States, providing vital infrastructure and essential services to more than 10 million people across a 4,000-square-mile regional service area. The agency is among 37 County departments and agencies working collaboratively across public, private and nonprofit sectors to improve the quality of life for the people and communities of L.A. County. Mr. Hanna managed the plan review and construction of the following projects:

- City of Hope Office Buildings Tenant Improvements
- New 5 Industrial Buildings
- New One-Story Medical Clinic
- New Kaiser 5-Story Parking Structure
- New Kaiser 3-Story Mix Use OSHPD 3 Medical Building
- CT Realty Development of 7 Tilt-up Wall Buildings
- 41 homes (sub-division) in City of La Mirada, CA
- New Starbucks with drive-through in City of La Mirada, CA
- New 4-story Residential Hall (Dorms) at Biola University
- Two Multi-Story Open Parking Structures at Biola University
- New Wal-Mart Store
- Lakewood Mall Seismic Rehabilitation
- New 27 homes (part of a 7-acre land subdivision project)

#### Engineering Director, City Engineer and Building Official

CITY OF IRWINDALE | IRWINDALE, CA

**Engineering Director.** Mr. Hanna oversaw the City's Public Works engineering operations. The City of Irwindale has a population of 1.2 million and covers 9.5 square miles.

## CONTACT INFO

scott.vinton@nv5.com

## EXPERIENCE

31 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Professional Engineer (CA)  
No. C54703

Professional Engineer (TN)  
No. 124839

## SCOTT VINTON, PE

### Plan Check Engineer (Streets/Storm Drain/Grading)

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Mr. Vinton has 31 years of experience in program management, project management, design, and construction management services. His expertise includes commercial, institutional, public works, land development, energy, and transportation projects.

### Project Experience

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#### On-Call Civil Plan Reviews

COUNTY OF SAN BERNARDINO | COUNTY OF SAN BERNARDINO, CA

**Plan Check Engineer.** Mr. Vinton is providing as-needed engineering development review services for a variety of projects ranging from single-family development to large, multi-phase subdivisions and commercial projects with significant public infrastructure requirements. NV5 has reviewed Hydraulic and Hydrologic Analyses, Water Quality Management Plans (WQMPs), erosion control plans, soils reports, private grading and public improvement plans for conformance with project conditions of approval and compliance with County requirements.

#### Plan Check Services

CITY OF DESERT HOT SPRINGS | DESERT HOT SPRINGS, CA

**Plan Check Engineer.** Mr. Vinton is part of the NV5 team providing on-call engineering plan check services to the City. Services include the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, water quality treatment and erosion control, title documents and review against project conditions of approval for residential, commercial and industrial development applications.

#### Grapefruit Boulevard Urban Greening Project

CITY OF COACHELLA | COACHELLA, CA

**Project Engineer.** Mr. Vinton served as Project Engineer, designing street improvements for the urban greening of Grapefruit Boulevard. The design included new AC paving, curb and gutter, sidewalk, class II bike lane, landscaping, bioswales, signing and striping, and utility coordination.

#### Avenue 48 Widening

CITY OF COACHELLA | COACHELLA, CA

**Project Engineer.** The project included street improvements for the widening Avenue 48 in the Cities of Coachella and Indio to three lanes in each direction. Mr. Vinton provided design engineering services for the street improvement plans, signing and striping and utility coordination.

#### Avenue 54 Widening

CITY OF COACHELLA | COACHELLA, CA

**Project Manager.** The project included street improvements for the widening Avenue 54. Mr. Vinton provided project management and design engineering services for the street improvement plans, signing and striping, storm drain, water relocation and utility coordination.



## CONTACT INFO

michael.rocco@nv5.com

## EXPERIENCE

22 years

## EDUCATION

AutoCAD University

NV5 Project Manager Course

## LICENSES/ CERTIFICATES

CADD Drafting & Technical Drawing Certificates

## AFFILIATIONS

American Public Works Association (APWA)

## MICHAEL ROCCO

### Plan Check Engineer (Streets/Storm Drain/Grading)

Mr. Rocco is a Senior Civil Designer with more than 22 years of experience. He is highly proficient in AutoCAD and AutoCAD Civil3D. He has experience working on projects in all phases, from concept to construction. He excels in the development of complete plan sets, understands the importance of plan presentation and construction details, effectively uses digital terrain model surfaces and field data provided by survey teams, and is able to review geotechnical data to assist with earthwork quantity calculations. He has the technical experience to lead plan development for roadway geometric layout, site design, grading, retaining walls, striping, signing, and traffic control.

### Project Experience

#### On-Call Plan Check + Public Works Inspection Services

CITY OF BEAUMONT | BEAUMONT, CA

**Plan Check Engineer.** Mr. Rocco is providing review of as-needed private development projects. Services include subdivision and parcel map review, grading, public and private street and utility improvements, storm drain, sewer, erosion control, geotechnical, hydrology/hydraulic, structural, water quality/NPDES, and landscape reviews.

#### Plan Check Services

CITY OF DESERT HOT SPRINGS | DESERT HOT SPRINGS, CA

**Plan Check Engineer.** Mr. Rocco is part of the NV5 team providing on-call engineering plan check services to the City of Desert Hot Springs. Services include the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, water quality treatment and erosion control, title documents and review against project conditions of approval for residential, commercial and industrial development applications.

#### On-Call Plan Check Services

CITY OF PICO RIVERA | PICO RIVERA, CA

**Plan Check Engineer.** Our team is contracted with the City to provide reviews of subdivision maps, parcel maps, boundary adjustments and legal descriptions; grading plans; street improvement plans; utility improvement plans; stormwater quality management plans; hydrology and hydraulic calculations and reports; engineer's cost estimate; engineer's reports, including stormwater pollution prevention plans; and erosion and sediment control plans review.

#### As-Needed Plan Review Services

CITY OF SAN DIEGO | SAN DIEGO, CA

**Plan Check Engineer.** Mr. Rocco is providing as-needed plan review services for the City. NV5's first task in 2022 consisted of assisting the City with expedited (rapid) reviews for a backlog of over 150 building construction plans and water quality documents submitted by applicants seeking building permit approval.





## CONTACT INFO

steve.novak@nv5.com

## EXPERIENCE

25 years

## EDUCATION

A.S. Building Technology

## LICENSES/ CERTIFICATES

Certificate, Master  
Planning Communities

## STEPHEN NOVAK

### Plan Check Engineer (Streets/Storm Drain/Grading)

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Mr. Novak has more than 25 years of experience in civil, environmental and geotechnical engineering. His expertise includes the conceptual planning, design and preparation of rough to precise grading plans; land use studies and preliminary engineering; street design; and water, sanitary sewer, street and storm drain plans. His projects encompass residential, wastewater and infrastructure, mountain and hillside, golf and resort, and commercial projects. Mr. Novak is proficient with AutoCAD C3D, Word and Excel software applications.

### Project Experience

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#### On-Call Civil Plan Reviews

COUNTY OF SAN BERNARDINO | COUNTY OF SAN BERNARDINO, CA

**Plan Check Engineer.** Mr. Novak is providing as-needed engineering development review services for a variety of projects ranging from single-family development to large, multi-phase subdivisions and commercial projects with significant public infrastructure requirements. NV5 has reviewed Hydraulic and Hydrologic Analyses, Water Quality Management Plans (WQMPs), erosion control plans, soils reports, private grading and public improvement plans for conformance with project conditions of approval and compliance with County requirements.

#### Plan Check Services

CITY OF DESERT HOT SPRINGS | DESERT HOT SPRINGS, CA

**Plan Check Engineer.** Mr. Novak is part of the NV5 team providing on-call engineering plan check services to the City. Services include the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, water quality treatment and erosion control, title documents and review against project conditions of approval for residential, commercial and industrial development applications.

#### Plan Check Reviews

CITY OF EL MONTE | EL MONTE, CA

**Plan Check Engineer.** Mr. Novak is reviewing grading and drainage plans for various land development projects for the City. Our team is contracted with the City of El Monte to provide plan check/review services and staff support to oversee the construction of various CIP projects and wireless communications facilities. Reviews include grading, soils report reviews, sewer, water, and storm drain improvements, hydrology reports, SWPPPs, Low Impact Development, street improvement plans, parcel/tract maps, easements and lot line adjustments.



## CONTACT INFO

amir.mansour@nv5.com

## EXPERIENCE

5 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Engineer-in-Training (CA)  
No. 166032

## AMIR B. MANSOUR, EIT

### Plan Check Engineer (Streets/Storm Drain/Grading)

Mr. Mansour has over five years of land development and civil engineering experience, including water and sewer improvements, street improvements, retaining wall, grading and utility projects. He is proficient with AutoCAD C3D, ArcGIS, MATLAB, Bluebeam Revu and Microsoft Word and Excel software applications.

### Project Experience

#### On-Call Plan Check, Inspection & Stormwater Management Services

CITY OF BEAUMONT | BEAUMONT, CA

**Plan Check Engineer.** Mr. Mansour is providing as-needed plan check services for the City. NV5's services include subdivision and parcel map review, grading, public and private street and utility improvements, storm drain, sewer, erosion control, geotechnical, hydrology/hydraulic, structural, water quality/NPDES, landscape reviews, and full-time public works inspection.

#### On-Call Civil Plan Reviews

COUNTY OF SAN BERNARDINO | SAN BERNARDINO, CA

**Plan Check Engineer.** Mr. Mansour is providing as-needed engineering development review services for a variety of projects ranging from single-family development to large, multi-phase subdivisions and commercial projects with significant public infrastructure requirements. NV5 has reviewed Hydraulic and Hydrologic Analyses, Water Quality Management Plans (WQMPs), erosion control plans, soils reports, private grading and public improvement plans for conformance with project conditions of approval and compliance with County requirements.

#### As-Needed Plan Review Services

CITY OF SAN DIEGO | SAN DIEGO, CA

**Plan Check Engineer.** Mr. Mansour provided as-needed plan review services for the City. NV5's first task consisted of assisting the City with expedited (rapid) reviews for a backlog of over 150 building construction plans and water quality documents submitted by applicants seeking building permit approval. The NV5 team began onboarding in mid-May and quickly became well-versed in the City's Accela and EPR Programs. Beginning with a backlog of over 150 rapid reviews on June 14, the NV5 team was able to quickly reduce the backlog to single digits by July 15 – about a month after the start of the task. This also included reviewing daily incoming new submittals that varied from 5 to 20 per day, which NV5 successfully managed concurrently with the backlog. With the backlog cleared, the City entered the "maintenance phase," with NV5 assisting with current incoming rapid reviews, assuring that they were being reviewed in a timely manner. NV5 staff completed over 1,400 rapid reviews for the City.



## CONTACT INFO

julian.palacios@nv5.com

## EXPERIENCE

23 years

## EDUCATION

M.S. Environmental Engineering

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. 67735

Civil Engineer (MX)  
No. 2760774

Certificate Urban Water Management Plan Training

## AFFILIATIONS

American Society of Civil Engineers (ASCE)



## JULIAN PALACIOS, PE

### Plan Check Engineer (Sewer)

Mr. Palacios provides planning, engineering design, construction services and feasibility studies for water and wastewater treatment, water distribution, wastewater collection, and hydraulic modeling of water and wastewater systems. He has 23 years of experience completing water and wastewater infrastructure projects for local public agencies, including the City of Oceanside, City of Carlsbad, City of Vista, Vallecitos Water District, Olivenhain Municipal Water District, Ramona Municipal Water District and the San Diego County Water Authority.

### Project Experience

#### Mesa Lift Station Emergency Pump Replacement

CITY OF BEAUMONT | BEAUMONT, CA

**Project Manager.** Mr. Palacios was responsible for providing engineering services in support of the Mesa Lift Station emergency pump replacement. None of the existing 200 HP pumps (4 total) were operational due to failures of critical pump components and were considered beyond repair. During these emergency conditions, the City rented portable diesel pumps to keep the pump station in operation while the electric dry-pit pumps were repaired or replaced. Mr. Palacios worked with the City's contract operator to determine current operating conditions (flow and TDH) to select two replacement pumps to operate in a lead/standby mode. He coordinated pump selection with a local supplier based on operating data of the emergency diesel pumps and information provided with the contract operator. He prepared preliminary system curves for review by the City and pump supplier and verified with the pump supplier that the existing VFDs were compatible with the selected pumps. Additional services included construction inspection during pump installation and system startup.

#### Imperial Avenue Sewer Pipeline

CITY OF EL CENTRO | EL CENTRO, CA

**Project Manager.** Mr. Palacios was responsible for sewer improvements along Imperial Avenue to improve the reliability of the City's main sewer pipeline. The 30-inch VCP pipeline is located within the Imperial Avenue roadway, a key North/South traffic route for accessing Interstate 8. The 2-mile alignment is adjacent to the regional hospital, two schools, residential areas, high traffic intersections, and a business district. The pipeline has deteriorated due to normal wear and tear, initial construction, seismic events, and surface loading. Reviewed the CCTV videos provided by the City, developed alternatives to address identified deficiencies and oversaw the preparation of design documents for bidding. Directed NV5's surveying and engineering services and coordinated utility potholing and geotechnical investigation. Also, coordinated with Caltrans and Union Pacific Railroad, as portions of the improvements fall within their right-of-way.

## CONTACT INFO

steven.granados@nv5.com

## EXPERIENCE

16 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. 74823

QSD/QSP, CASQA  
No. 24004

## STEVEN GRANADOS, PE, QSD/P

### Plan Check Engineer (Sewer)

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Mr. Granados has 16 years of experience and provides engineering assistance for a variety of water and wastewater projects for local public agencies, including planning, engineering design, and preparation of preliminary engineering reports. He has extensive knowledge of software engineering tools such as AutoCAD, Land Desktop, SewerCAD, Flowmaster, and Microsoft Office.

### Project Experience

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#### Lake Boulevard Sewer Replacement Design

CITY OF OCEANSIDE | OCEANSIDE, CA

**Project Engineer.** Mr. Granados prepared construction documents for a gravity sewer line replacement. The existing gravity system utilizes an above-ground cast iron pipe supported by concrete pillars to convey wastewater across Buena Vista Creek and connects to a main trunk sewer pipeline. The project includes rerouting existing 8-inch and 12-inch gravity sewers, a 16-inch force main, and a 6-inch lateral from an adjacent senior community center and reconnecting these pipelines to the proposed 15-inch sewer along Lake Boulevard and College Boulevard. NV5 services include surveying and mapping, hydraulic modeling, geotechnical investigation, environmental documents, coordination with the City of Carlsbad and Caltrans, traffic control plans for surveying and potholing, structural design of a concrete encasement for a shallow culvert crossing, preparation of plans and specifications for pipeline construction, review of CCTV videos, and construction support services.

#### Agua Hedionda Lift Station

SAN DIEGO GAS & ELECTRIC | VISTA, CA

**Project Engineer.** Mr. Granados prepared the design of temporary emergency bypass pumping for the Agua Hedionda Lift Station during construction of an upgraded pumping facility adjacent to the site. As design lead of a design/build team, NV5 prepared designs for the installation of two diesel-motor driven 10,500-gallons-per-minute bypass pumps, above-ground suction and discharge bypass piping, concrete bypass storage vault, and connection to an existing discharge manhole. The project required coordination between multiple agencies as the lift station is co-owned by the City of Vista and City of Carlsbad, operated by Encina Wastewater Authority, and located at the NRG Energy Encina Power Station.



## CONTACT INFO

luanne.bean@nv5.com

## EXPERIENCE

34 years

## EDUCATION

M.S. Civil Engineering

B.S. Civil Engineering

## LICENSES

Civil Engineer (CA)

No. 50129

Former Class A General  
Engineering Contractor

## REGISTRATIONS

FEMA OPS - I

HAZMAT First Responder/  
Operations Level

DOT Offers of Bulk  
and Non-Bulk HAZMAT  
Packages

Nuclear Waste Safety  
for Workers

## LUANNE BEAN, PE

### Plan Check Engineer (Sewer)

Ms. Bean has more than 34 years of experience in the engineering, design, and construction of water and wastewater projects. As a Registered Civil Engineer and a former Class A General Engineering Contractor, Ms. Bean has seen construction from both sides of the fence. Her technical skills include specialized structural analysis and design of large 600-MGD water treatment plants, pipelines up to 12 feet in diameter, mechanical analysis, SCADA & I&C oversight and coordination, diesel generator design and AQMD permitting, the preparation of engineering plans, specifications and cost estimates, as well as construction management. She has held various positions with many public agencies, including Structural Discipline Director for Southern Nevada Water Authority's \$6B CIP program, for which she specialized in structural and forensic analysis, City Engineer for the Indio Water Authority, Project Manager for the Metropolitan Water District, and Project Officer in charge of disaster funding across three states and five counties for FEMA.

### Project Experience

#### Sewer Line Crossing at Johnson Avenue and Metrolink/SCRRA and UUPR Railroads

CITY OF EL MONTE | EL MONTE, CA

**Project Manager/Senior Engineer.** Ms. Bean is responsible for providing emergency engineering design services for the Sewer Line Crossing at Johnson Avenue and Metrolink/SCRRA and UUPR Railroads. Due to an additional railroad track proposed by SCRRA to meet the needs of the upcoming Olympics, the City must encase an 8-inch gravity sewer line that runs north from Johnson Avenue underneath the existing railroad tracks to the alley beyond. A new 12-inch sewer main will be jack and bored at the southern limit of the railroad right-of-way at Johnson Avenue, underneath the existing and future railroad rails, overtop the slot within the Los Angeles County Flood Control District's existing storm drain, to the alley just north of the existing railroad right-of-way.

#### Bankfield Sewage Pump Station

CITY OF CULVER CITY | CULVER CITY, CA

**Project Manager/Construction Manager.** Ms. Bean oversaw the construction management and inspection services for the project. NV5 assisted with the final design and implementation of the emergency diesel generator as well as pipeline redesign for the sewer force main, including the AQMD permitting, as the original plans did not accommodate a generator. There is also a 25-foot-by-20-foot building to house instrumentation and SCADA systems, a bathroom and electrical components. This project is an American Public Works Association BEST Awards winner.



## CONTACT INFO

jennifer.peterson  
@nv5.com

## EXPERIENCE

26 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. 67821

Qualified SWPPP  
Developer

Qualified SWPPP  
Practitioner

Certified Floodplain  
Manager

Certified Professional  
in Erosion & Sediment  
Control

LEED Accredited  
Professional

## JENNIFER PETERSON, PE, CFM, CPESC, QSD/P, LEED AP Plan Check Engineer (WQMP) + Storm Water Compliance

Ms. Peterson is an engineering manager with 26 years of focused experience working in the water resources field and managing stormwater quality and drainage projects — from the planning stages all the way through design and construction. She has managed stormwater inspection staff throughout the State of California and provides assistance to other offices and project managers in preparing technical documents and addressing challenging issues related to the State's General Construction Permit, and Phase I and II Municipal (MS4) Permits. She has managed stormwater programs for various agencies throughout the state, which has included preparation and review of technical documents, creating tools for efficient plan check reviews, stormwater permitting training, review and editing of technical specifications, and management of various stakeholders and subconsultant staff (both design and field).

### Project Experience

#### On-Call Public Works Inspection and Plan Check Services

CITY OF BEAUMONT | BEAUMONT, CA

**Project Engineer.** Ms. Peterson served as project engineer responsible for reviewing all water quality technical reports in compliance with local municipal requirements. Reviews include improvement, grading, and erosion control plans, sewer and storm drain plans, hydrology and hydraulic reports, water quality reports, geotechnical reports, structural calculations and cost estimates.

#### Plan Check Services

CITY OF DESERT HOT SPRINGS | DESERT HOT SPRINGS, CA

**Plan Check Engineer.** Ms. Peterson is part of the NV5 team providing on-call engineering plan check services to the City of Desert Hot Springs. Services include the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, water quality treatment and erosion control, title documents and review against project conditions of approval for residential, commercial and industrial development applications.

#### Grading, Hydrology, Hydraulic & WQMP Review

RIVERSIDE COUNTY DEPARTMENT OF TRANSPORTATION | RIVERSIDE, CA

**Project Engineer.** Ms. Peterson is part of our team that is providing engineering development review services for a variety of projects ranging from single-family developments to supporting documents for FEMA map revision requests. NV5 has reviewed Hydraulic and Hydrologic Analysis, Water Quality Management Plans (WQMPs), HEC-RAS analysis and other documents as requested.



## CONTACT INFO

scott.lyle@nv5.com

## EXPERIENCE

38 years

## EDUCATION

Graduate Studies in  
Environmental Hydrology

Graduate Certificate in  
Coast Engineering

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Professional Engineer (CA)  
No. C44062

Certified Floodplain  
Manager (CA) No. 99-  
00013

Qualified SWPPP  
Developer (QSD)/  
Practitioner (QSP) Cert.  
No. 00817

## AFFILIATIONS

Member 2003 San Diego  
County Hydrology Manual  
Development Committee

Past Board Member of the  
Floodplain Management  
Association.



## SCOTT LYLE, PE, CFM, QSD/QSP

### Plan Check Engineer (WQMP + Hydrology/Hydraulics)

Mr. Lyle has over 38 years of experience in the management and design of a wide variety of multi-objective water resources-type projects, including flood control channels, watershed analyses, detention basins, drainage master plans, and storm drain design. Specific technical skills include performing detailed hydrologic and hydraulic analysis (HEC-HMS, HECRAS), sediment transport analyses, field surveys, floodplain mapping, flood control channel design and stormwater quality design and management services.

### Project Experience

#### Tract 29267 Noble Creek Hydraulic Study Review

CITY OF BEAUMONT | BEAUMONT, CA

Mr. Lyle performed third-party review of proposed channel improvements and supporting hydraulic calculations for Noble Creek as part of City of Beaumont On-Call Services Contract. Tasks included review of hydraulic models, scour calculations, riprap sizing calculations, and floodplain mapping. Results of these analyses were used to establish retaining wall limits and proposed pad grades for adjacent Tract 29267 Subdivision.

#### Paradise Creek CLOMR Review

CITY OF NATIONAL CITY | NATIONAL CITY, CA

Mr. Lyle performed third-party review of Conditional Letter of Map Revision (CLOMR) for Paradise Creek as part of the City of National City On-Call Services Contract. Tasks included review of hydraulic models, floodplain mapping, and FEMA forms. In addition, recommendations were provided to consultant with respect to overall completeness of CLOMR submittal to comply with FEMA review requirements..

#### Bradley Road Bridge Project

CITY OF MENIFEE | MENIFEE, CA

**Project Engineer.** Mr. Lyle served as Project Engineer responsible for the hydraulic evaluation of an approximately 350-foot-long triple-span Bradley Road bridge. Design discharges for Salt Creek were coordinated and verified with Riverside County Flood Control and Water Conservation District (RCFCWCD). Hydraulic analyses (HEC-RAS) of the creek included modeling the existing low-water crossing (pre-project conditions) and proposed bridge (post-project conditions) to determine the hydraulic impacts of the bridge crossing. Scour calculations were performed to support proposed scour mitigation measures at the abutments and piers. Additional tasks included sediment transport analyses to evaluate long-term aggradation/degradation and a Conditional Letter of Map Revision for FEMA processing and approval. A drainage study was performed for the proposed roadway improvements and in accordance with RCFCWCD drainage design standards. Technical analyses were performed to support the design of storm drain improvements, drain inlets, and riprap outlet pads.

## CONTACT INFO

jay.fahrion@nv5.com

## EXPERIENCE

43 years

## REGISTRATIONS

Professional Land Surveyor  
(CA) No. 8207

AQMD PM-10 Certificate

## JAY FAHRION, PLS

### Plan Check (Survey) + On-Call Survey

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Mr. Fahrion has over 43 years of surveying and mapping experience, with 32 years in Coachella Valley. His experience includes boundary surveys, ALTA surveys, topographic surveys, construction staking, preparing and processing record of surveys, corner records and parcel maps. His duties also include daily assignment of field and office work, managing field and office personnel, proposal preparation and client development.

### On-Call Public Works Inspection and Map/Plan Check Services

CITY OF BEAUMONT | BEAUMONT, CA

Acting City Surveyor for the City of Beaumont under contract with NV5. Responsibilities include review of all Tract Maps, Parcel Maps, Lot Line Adjustments and Certificate of Corrections prepared in the City of Beaumont. Sign and seal all documents and Maps that are required in the duties of the City Surveyor. NV5 reviews all plans and associated technical reports for clarity, format, completeness, and conformance to the City's grading and roadway criteria, industry-standard design procedures, permit requirements, and conditions of development. Reviews include improvement, grading, and erosion control plans, sewer and storm drain plans, hydrology and hydraulic reports, water quality reports, geotechnical reports, structural calculations and cost estimates.

### On-Call Surveying Services

CITY OF LA QUINTA | LA QUINTA, CA

Survey Manager providing on-call services as requested by the Public Works Department, work requested included:

- Street Cross Sections on Monroe Street at Mountain View Lane
- Topographic Survey of the La Quinta Library
- Construction Staking Services for the West Parking Lot of La Quinta Library
- Topographic Survey of the Art Park of the Desert at Avenida Montezuma
- Construction Staking services for Fritz Burns Park
- Tie-out of existing monument at the Intersection of Avenue 52 and Jefferson Street

All services were completed as scheduled and all information was provided to the City.

### On-Call Surveying Services

CITY OF INDIO | INDIO, CA

Survey Manager for on-call services as requested by the Public Works Department. Services include topographic survey of the Indio Safety Campus, Boundary Survey and preparation of a Parcel Map at Dr. Carreon Boulevard. All Services were completed as scheduled, and all information was provided to the City.





## CONTACT INFO

doug.boyle@nv5.com

## EXPERIENCE

39 years

## EDUCATION

A.A. Drafting Technology

## LICENSES/ CERTIFICATES

Professional Land Surveyor  
(CA) No. 8340

## AFFILIATIONS

California Land Surveyors  
Association (CLSA), San  
Diego Chapter, President

## DOUG BOYLE, PLS

### Plan Check (Survey) + On-Call Survey

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Mr. Boyle has 39 years of experience in almost all facets of the land surveying profession. He has in-depth experience in office operations supporting mapping and field survey functions, including work for Final Maps, Records of Survey and other land-related exhibits/records, such as Lot Line Adjustments, ALTA Land Surveys and Legal Descriptions, inclusive of submittal, processing and agency approval and recordation. He has experience in mapping and field support utilizing AutoCAD-based CADD programming, as well as various other survey support programs and utilities for total station and GPS operations.

### Project Experience

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#### On-Call Plan Checking

CITY OF SANTA CLARA | SANTA CLARA, CA

Mr. Boyle worked at the direction of the City Surveyor, responsibilities included reviewing all Tract Maps, Parcel Maps, Record of Surveys, Lotline Adjustments, Parcel Mergers and review of Legal Descriptions and Plats. Prepared reports for the City Surveyor to review.

#### On-Call Construction Surveying Services

CITY OF LA QUINTA | LA QUINTA, CA

**Senior Surveyor.** Mr. Boyle was responsible for this on-call contract to provide construction survey services on various projects throughout the City.

#### On-Call Surveying & Mapping Services

CITY OF INDIO | INDIO, CA

**Senior Surveyor.** Mr. Boyle was responsible for this on-call contract to provide construction survey services on various projects throughout the City. All projects delivered on schedule and within budget.

#### Avenue 52/Grapefruit Boulevard Grade Separation

CITY OF COACHELLA | COACHELLA, CA

**Senior Surveyor.** Mr. Boyle served as Senior Surveyor for providing construction staking services for the Avenue 52/Grapefruit Boulevard Grade Separation. The scope of services included control survey, staking of existing and future right-of-way, underground utilities, street improvements, and a bridge structure that spans over the existing Union Pacific Railroad.

#### Avenue 54 Improvements

CITY OF COACHELLA | COACHELLA, CA

**Senior Surveyor.** Mr. Boyle served as Senior Surveyor for the Avenue 54 Improvements, which included the replacement of irrigation laterals; the installation of street lights; and the construction of curbs, gutters, and sidewalks. He was responsible for land surveys; verifying control during construction staking; identifying staking clearing limits and removal lines; and monument replacement.



## CONTACT INFO

clark.shen@nv5.com

## EXPERIENCE

40 years

## EDUCATION

M.S. Civil Engineering

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. 24054

Structural Engineer (CA)  
No. 2177

International Code Council  
Certification No. 8296933

Building Plans Examiner

Residential Plans  
Examiner

Commercial Building  
Inspector

Residential Building  
Inspector

Accessibility Inspector/  
Plans Examiner

## AFFILIATIONS

Vice President, CA  
Counties A&E Associates  
(2005-2008)

International Building  
Code (ICC) Council  
– Governmental  
Membership

CA Building Officials  
(CALBO) 2015, 2016  
Structural Safety  
Committee



## Y. CLARK SHEN, PE, SE

### Plan Check Engineer (Structural)

Mr. Shen has more than 40 years of experience in the engineering design and management of private and public sector projects. He has overseen plan checking, inspection and permit counter staff for various cities and has extensive experience managing personnel and contracts, including providing contract administration/compliance and quality assurance and control for contracts where he oversaw staff and construction management firms in managing capital improvement projects, including the construction and renovation of public libraries, fire stations, jails, courthouses, laboratories, office buildings, animal care facilities, an emergency operations center, parking structures, and parks and beach facilities.

### Project Experience

#### On-Call Plan Review Services

COUNTY OF SAN BERNARDINO | SAN BERNARDINO, CA

**Structural Plan Reviewer.** Mr. Shen is providing plan check services for the County of San Bernardino. Services include review of single-family residential projects, including new and existing construction; commercial structures, including tenant improvements; new construction; renovations; and industrial projects. Projects are reviewed for compliance with the current editions of the California Building Code, California Plumbing Code, California Mechanical Code, California Electrical Code, development approvals, and other pertinent local, state, and federal regulations.

#### On-Call Plan Check Services

CITY OF SAN DIEGO | SAN DIEGO, CA

**Structural Plan Reviewer.** Mr. Shen is providing plan review services for this as-needed contract. NV5's first task in 2022 consisted of assisting the City with expedited (rapid) reviews for a backlog of over 150 building construction plans and water quality documents submitted by applicants seeking building permit approval. With the backlog cleared, the City entered the "maintenance phase," with NV5 assisting with current incoming rapid reviews, assuring that they were being reviewed in a timely manner. During this time, NV5 staff completed over 700 rapid reviews for the City and quickly built a strong and successful working relationship with the City and its staff.

#### Citywide Plan Check Review Services

CITY OF VENTURA | VENTURA, CA

**Structural Plan Reviewer.** Mr. Shen is providing plan review services for this as-needed contract. The NV5 team is contracted by the City of Ventura to provide on-call plan check review services including: Building Code review; Fire Code review; Regional Stormwater requirements (MS-4, SWPPP); Civil (rough grading, fine grading); Public Improvement Plans (water, wastewater, storm drain, public right-of-way improvements); and Zoning review (zoning code compliance).

## CONTACT INFO

eric.rodriguez@nv5.com

## EXPERIENCE

20+ years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. C56757

Structural Engineer (CA)  
No. S4617

## ERIC RODRIGUEZ, PE, SE

### Plan Check Engineer (Structural)

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Mr. Rodriguez has more than 20 years of project engineering and structural design experience. His experience encompasses a variety of projects, including power plants, schools, health care facilities, industrial, and commercial facilities. He also has conducted structural code compliance reviews of various power plant structures, non-building structures, and commercial and retail structures. His levels of involvement have included preparation and review of proposals, preparation and review of structural drawings, supporting calculations, and specifications, as well as construction support.

### Project Experience

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#### On-Call Plan Review and Inspection Services

COUNTY OF SAN BERNARDINO

**Plan Reviewer.** Mr. Rodriguez is part of the team providing on-call plan review and inspection services for projects located within the County limits. Our team of engineers and plans examiners review single-family residential projects, including new and existing construction, commercial structures, including tenant improvements, new construction, and renovations, and industrial projects. Projects are reviewed for compliance with the current editions of the California Building Code, California Plumbing Code, California Mechanical Code, California Electrical Code, development approvals, and other pertinent local, state, and federal regulations falling within the purview of the Building Official.

#### On-Call Plan Check and Inspection Services

CITY OF SAN DIEGO | SAN DIEGO, CA

**Plan Reviewer.** Mr. Rodriguez is part of the team providing as-needed plan review and inspection services. NV5's first task in 2022 consisted of assisting the City with expedited (rapid) reviews for a backlog of over 150 building construction plans and water quality documents submitted by applicants seeking building permit approval. The NV5 team began onboarding in mid-May and quickly became well versed in the City's Accela and EPR review and permitting programs. Beginning with a backlog of over 150 rapid reviews on June 14, the NV5 team was able to quickly reduce the backlog to single digits by July 15 – about a month after the start of the task. This also included reviewing daily incoming new submittals that varied from 5 to 20 per day, which NV5 successfully managed concurrently with the backlog. With the backlog cleared, the City entered the "maintenance phase," with NV5 assisting with current incoming rapid reviews, assuring that they were being reviewed in a timely manner. NV5 staff completed over 700 rapid reviews for the City and quickly built a strong and successful working relationship with the City and its staff. The City subsequently requested a team of Structural Engineers to assist in clearing a backlog of Building Department Reviews.



## CONTACT INFO

gerald.tom@nv5.com

## EXPERIENCE

35 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. 51209

Traffic Engineer (CA)  
No. 2541

## GERALD TOM, PE, TE

### Plan Check Engineer (Traffic)

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Mr. Tom has 35 years of progressive experience in design, technical specifications preparation, construction management, project management and personnel management. He has a thorough understanding of project management from the planning and design phases through the construction phase. His tasks have included preparing schedules, project budgets and materials and labor specifications, as well as coordinating with multiple stakeholders. He has held various positions at cities, for which he has managed capital improvement programs, reviewed and approved plans and managed construction of contract work for compliance with plans and specifications.

### Project Experience

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#### Plan Check & Traffic Engineering Services

CITY OF COMPTON | COMPTON, CA

**Plan Check Engineer.** Mr. Tom is part of the NV5 team providing professional plan check services and traffic engineering services for the City's Public Works Department. Services include technical plan check for engineering documents and plans and review of maps and legal descriptions for conformance with Federal, State and local regulations, particularly the California Subdivision Map Act and general compliance with City Standards, Ordinances and Regulations, including the Low Impact Development requirements identified in City of Compton Ordinance 2,252 (including maintaining database Excel spreadsheet for BMPs tracking through the various stages of development). NV5 is also performing various Traffic Engineering Services such as review and recommendation and/or approval for Traffic Impact Analyses for public/private projects, warrant studies for traffic signal and/or stop signs installations, and various other related tasks.

#### General Engineering (Staff Augmentation)

CITY OF LAGUNA WOODS | LAGUNA WOODS, CA

**City/Traffic Engineer.** Mr. Tom and our team provide traffic and general engineering services on an as-needed basis. Services include: conducting and reviewing traffic engineering, traffic analysis, and transportation planning studies; providing analysis of existing and projected traffic conditions; providing electronic traffic control device studies and design; performing pedestrian studies; plan check services; and reviewing new development projects involving traffic impact analysis, modeling, and road impact fee analyses.



## CONTACT INFO

james.miller@nv5.com

## EXPERIENCE

19 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Civil Engineer (CA)  
No. 82522

## AFFILIATIONS

American Society of Civil  
Engineers (ASCE)

American Public Works  
Association (APWA) Awards  
Chair 2013-2019

Adjunct Professor, Civil  
Engineering, San Diego  
State University, 2014

Aztec Mentoring Program,  
San Diego State University,  
2013-present

## JAMES MILLER, PE

### Plan Check Engineer (Traffic)

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Mr. Miller has over 19 years of experience in the traffic and transportation disciplines, including projects involving roadways, bridges, and other specialty civil projects. He has applied his traffic design expertise to major streetscape and multimodal projects for municipal and state agencies. His experience, combined with his knowledge of current standards and best practices, provides his clients with insightful, effective design solutions.

### Project Experience

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#### CityPlace Development – Phase I Plan Check

CITY OF SANTA CLARA | SANTA CLARA, CA

**Senior Project Manager.** Mr. Miller served as Senior Project Manager responsible for reviewing traffic signals, signing and striping, and street lighting design plans and photometrics prepared by others, on behalf of the City of Santa Clara. Mr. Miller reviewed the plans to assure conformance with the California MUTCD and Caltrans Standard Plans. Mr. Miller worked closely with the City of Santa Clara to understand the City's concerns and design standards and best practices and provided comments to the designers.

#### Mid-Coast Corridor Transit Project

SAN DIEGO, CA

Mr. Miller served as an extension of SANDAG staff on the project management consultant (PMC) team. In this capacity, he was responsible for QA/QC review of all traffic engineering plans, coordinating master specifications, expediting permits with various agencies, change control, providing records of negotiation, independent cost estimating, and coordinating all Caltrans encroachment permits (54 total) within the mid-coast corridor. This project extended 11 miles of light rail ("Blue Line Trolley") with nine new stations on an alignment serving various City of San Diego communities, VA Hospital and UCSD's east and west campuses.

#### El Camino Real Widening Project Phases 1 and 2

CARLSBAD, CA

**Senior Transportation Engineer.** Mr. Miller served as Senior Transportation Engineer responsible for leading the traffic engineering design that included utility coordination, four (4) traffic signal modifications with various upgrades, including CCTV and other ATMS devices to support the City's Traffic Management Center (TMC), one (1) new traffic signal, interconnect, geometric modifications, street lighting, signing and striping, and temporary traffic control.



## CONTACT INFO

nona.espinosa@nv5.com

## EXPERIENCE

31 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Professional Civil Engineer  
(CA) No. C60547

Certificate Erosion Control  
Compliance with NPDES  
Phase II - APWA

Certificate Fundamentals  
of Erosion Control & Rolled  
Erosion Control Pro - John  
Towns & Associates, Inc.

## NONA ESPINOSA, PE

### Plan Check Engineer (Hydrology/Hydraulics)

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Ms. Espinosa brings 31 years of experience as a design engineer in numerous water resource projects. She has performed hydrology and hydraulic analysis of storm systems as well as hydraulic calculations to determine pipe size, flow demands, capacities, and other pertinent data for sanitary sewer and water systems. Her designs include erosion control sites, hydraulic structures, sanitary sewer systems, water systems, pump stations, wastewater and drainage systems, and a snow making system. Ms. Espinosa is skilled in a number of modeling and engineering design programs including AutoCAD, Cybernet, WaterCAD, H2Onet, Flow Master, Culvert Master, StormCAD, XPSWMM, PondPack, HEC-RMS, HEC-RAS, HEC-1, HEC-HMS, HEC-2, FFAST, and Primavera.

### Project Experience

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#### Plan Check Services

[CITY OF DESERT HOT SPRINGS](#) | [DESERT HOT SPRINGS, CA](#)

**Plan Check Engineer.** Ms. Espinosa is part of the NV5 team providing on-call engineering plan check services to the City of Desert Hot Springs. Services include the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, water quality treatment and erosion control, title documents and review against project conditions of approval for residential, commercial and industrial development applications.

#### Civil & Water Quality Management Plan Check Services

[COUNTY OF SAN BERNARDINO](#) | [SAN BERNARDINO, CA](#)

**Plan Check Engineer.** Ms. Espinosa is part of the team providing engineering development review services for a variety of projects ranging from single-family developments to large, multiphase subdivisions and commercial projects with significant public infrastructure requirements. NV5 reviewed Hydraulic and Hydrologic Analyses, Water Quality Management Plans (WQMPs), erosion control plans, soils reports, private grading and public improvement plans.

#### Focused Update to City Drainage Master Plan

[CITY OF IMPERIAL BEACH](#) | [IMPERIAL BEACH, CA](#)

Ms. Espinosa performed hydrologic/hydraulic engineering services to model the surface drainage system for four localized areas of concern that include the area of 8th Street and Calla Avenue, Georgia Street and East Bound Imperial Beach Boulevard, 11th Street and Ebony Avenue, and Holly and Oneonta Avenue south of Grove Avenue. Reviewed previous storm drainage study report and evaluated and performed hydrology calculations for various storm events. Created the hydraulic model to evaluate the feasibility of constructing a local stormwater pump system to alleviate flooding conditions under design storms, as well as possible diversions, potential for capacity increase, and options for attenuating low-flow events.



## CONTACT INFO

qiao.zhou@nv5.com

## EXPERIENCE

2 years

## EDUCATION

M.S. Environmental Engineering

B.S. Environmental Science

## LICENSES/ CERTIFICATES

Engineer-in-Training (CA)  
No. 173660

## QIAO ZHOU, EIT

### Plan Check Engineer (Hydrology/Hydraulics)

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Ms. Zhou is an E.I.T. with experience with hydrologic and hydraulic (H&H) studies, drainage studies, risk and uncertainty analysis, sediment transport and water quality studies, coastal and riverine flood hazard analysis and mapping, and wastewater treatment process design. She has experience in civil infrastructure design using AutoCAD, Civil3D, Biowin, and Revit. She is proficient in ArcGIS, Python and Matlab, and she is familiar with H&H models such as 1D/2D HEC-RAS, XPSWMM, SWMM, HEC-HMS, CivilDesign, FLO-2D, and MODFLOW.

### Project Experience

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#### **Pechanga Creek Hydraulic Modeling and Mapping**

CITY OF TEMECULA | TEMECULA, CA

**Project Engineer.** The Pechanga Creek Comprehensive Watershed Assessment project is needed to cope with climate change under extreme events such as floods. The purpose of the project is to evaluate the flood hazard and flood vulnerability by combing them to assess flood risk. The work includes: (1) Developed the HEC-RAS model through the study reach; (2) provided several storm events flow conditions; (3) analyzed the flooding risk along the creek; (4) analyzed the flow depth, velocity under several storm events; (5) developed the flood risk assessment by the hydraulic simulation; and (6) performed an evaluation of creek biotechnical bank stabilization and restoration options for reaches, provided effective flood protection to the community.

#### **Hydrologic, Hydraulic and Scour Analyses For L-324 MP 44.90 Gas Line**

SOCAL GAS | LOS ANGELES COUNTY, CA

**Project Engineer.** This project is to assist SoCal Gas to lower the L-324 MP 44.90 gas line crossing an existing channel. The H&H scope includes the hydrologic analyses, hydraulic analyses, and scour calculations. The work includes: (1) Determined 25-, 50-, and 100-year flows at the crossing assuming existing watershed conditions; (2) performed detailed hydraulic analyses at the proposed crossing using the HEC-RAS computer program based on existing conditions geometry, and (3) performed scour calculations incorporating data from grain size distribution testing.

#### **Drainage Study of Jubilee Mutual Water Company**

JUBILEE MUTUAL WATER COMPANY | SAN BERNARDINO COUNTY, CA

**Project Engineer.** This drainage study is to support the proposed storage tanks and pump station improvement. The drainage analysis was performed to evaluate the 100-year pre- and post-project conditions discharge rates for the project. The work includes: (1) Conducted basin delineation of the project off-site area based on USGS topography; (2) performed existing and proposed condition hydrologic analyses using rational method with CivilDesign program; and (3) performed the comparison of the existing and proposed conditions' peak flow discharge.



## CONTACT INFO

thomas.grace@nv5.com

## EXPERIENCE

24 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/ CERTIFICATES

Engineer-in-Training (CA)  
No. 103177

## THOMAS GRACE, EIT

### Plan Check Engineer (WQMP + Hydrology/Hydraulics) + Storm Water Compliance & Inspection

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Mr. Grace is a registered Engineer-in-Training with over 24 years of experience specializing in hydrologic and hydraulic engineering for urban drainage facilities, flood control improvements, floodplain studies and water quality compliance documentation. His work includes preliminary and final engineering design phases, as well as SWPPP and SUSMP documentation. He is skilled in using HEC- RAS, Auto-CAD, WSPG, HEC-HMS, FlowMaster, CulvertMaster, HY-8, CivilCAD, AES Model, Pond Pack, StormCAD, and SWMM.

### Project Experience

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#### Drainage Study Reviews

CITY OF BEAUMONT | BEAUMONT, CA

**Project Engineer.** Performed drainage study reviews on behalf of the City of Beaumont. Duties included drainage study reviews, assuring submitted drainage reports adhered to the City's standards, and providing review comments to be addressed for approval. Projects reviewed include 1010 West 4th Street WQMP, PA 33 Active Adult Development SWPPP Review, Heartland Development Drainage Study, Four Seasons Development Drainage Study, Olivewood Sewer Plans Review, and Any Size RV, Trailer and Boat Storage WQMP.

#### Plan Check Services

CITY OF DESERT HOT SPRINGS | DESERT HOT SPRINGS, CA

**Plan Check Engineer.** Mr. Grace is part of the NV5 team providing on-call engineering plan check services to the City of Desert Hot Springs. Services include the review of grading and improvement plans, hydrology and hydraulic reports, geotechnical reports, water quality treatment and erosion control, title documents and review against project conditions of approval for residential, commercial and industrial development applications.

#### Plan Review

CITY OF LAKE ELSINORE | LAKE ELSINORE, CA

**Project Engineer.** Performed drainage study reviews on behalf of the City of Lake Elsinore. Duties included: drainage study reviews, ensured submitted drainage reports adhered to the city's standards, and provided review comments to be addressed for approval.

#### As-Needed Plan Check Services

CITY OF SAN DIEGO | SAN DIEGO, CA

**Plan Check Engineer.** Mr. Grace is providing as-needed plan review services for the City. NV5's first task consisted of assisting the City with expedited (rapid) reviews for a backlog of over 150 building construction plans and water quality documents submitted by applicants seeking building permit approval.





## CONTACT INFO

mike.smyth@nv5.com

## EXPERIENCE

37 years

## EDUCATION

B.S. Landscape  
Architecture

## LICENSES/ CERTIFICATES

Registered Landscape  
Architect (CA) No. 3231,  
(AZ) No. 56354, (OR) No.  
0317, (WA) No.1070

## AFFILIATIONS

American Society of  
Landscape Architects  
(ASLA) Member

Council of Landscape  
Architectural Registration  
Boards (CLARB)

## MIKE SMYTH, RLA

### Plan Check (Landscape Architecture)

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Mr. Smyth's professional experience includes working on a broad spectrum of public and private projects throughout the Southwest and Pacific Northwest. He manages the Landscape Architecture Studio, which functions as a service center for NV5's West Coast and Mountain West regions. His experience working with public agencies ranges from managing his own landscape architecture on-call contracts with state and federal agencies to managing the landscape architecture contributions on other design contracts. He has many years of experience building strong client relationships, managing project teams, designing and collaborating with allied design disciplines and delivering comprehensive services for projects of all sizes and complexities.

### Project Experience

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#### Broadway Creek Restoration

CITY OF EL CAJON | EL CAJON, CA

Mr. Smyth led the planting and irrigation design for the Broadway Creek Restoration project in central El Cajon. Much of Broadway Creek had become degraded by years of erosive stormwater impacts and invasive species encroachment, so the primary design objective was to design improvements within the channel prism that will stabilize eroded slopes while restoring critical riparian habitat to three-quarters of a mile of river channel in two construction phases. The project will reintroduce native California coastal sage and chaparral vegetation into the flood control channel.

#### Meadowlark Water Reclamation Facility

VALLECITOS WATER DISTRICT | CARLSBAD, CA

Mr. Smyth led the design to replace and restore the existing landscape and irrigation system at the Meadowlark Water Reclamation Facility for a water-service provider located in Carlsbad. After evaluating the existing plants and irrigation system, NV5 recommended protecting existing trees and replacing the existing plants and spray irrigation system with a new native, drought-tolerant vegetation and a more efficient low-flow irrigation system. After reviewing alternative conceptual designs with the owner, the chosen option will create a different landscape character that features compatible native plants, a concrete path with steps to provide full site access, new retaining walls to terrace steep slopes, and a blanket of crushed granite mulch to stabilize site erosion.

#### Landscape Architecture Design and Constructability Reviews

MOUNTAIN HOUSE COMMUNITY SERVICES DISTRICT | MOUNTAIN HOUSE, CA

Mr. Smyth leads a team of Landscape Architecture professionals providing on-call design aesthetic and constructability reviews to consultant designs submitted to the Mountain House Community Service District (CSD) for approval.



## CONTACT INFO

patrick.crowley@nv5.com

## EXPERIENCE

18 years

## LICENSES/ CERTIFICATES

Energized Vault Safety

Confined Space Training

Flagger Training

Backhoe/Forklift Certified

Competent Persons  
Training

Numerous Operator  
Qualifications

Pole Top & Confined Space  
Rescue

Veriforce Evaluator/Proctor

Photovoltaic Technician

Pipe Fitting

Accident Investigation

EEO Training

DOT Drug and Alcohol  
Trained

OSHA 30

OSHA 10

First Aid/CPR



## PATRICK CROWLEY

### Inspector

Mr. Crowley is a public works construction inspector with more than 18 years of experience working on street, water, wastewater, gas distribution, cathodic protection, transmission, and wet and dry utilities projects. He has held positions in operations, management, engineering and administration.

### Project Experience

#### Steele Drive Tract and Pleasant Hills Tract Water Main Replacement

CITY OF BREJA | BREJA, CA

**Construction Inspector.** Mr. Crowley provided construction inspection services on the \$4.3M water main replacement project. The project installed over 11,800 LF of water main and appurtenances as an upgrade to the existing system, constructed ADA curb ramps and resurfaced streets throughout two residential neighborhoods. Mr. Crowley assisted with the inspection of the water main installation and pavement repairs. His tasks included overseeing the Contractor's daily work, providing inspections, preparing daily construction reports, coordinating with the Contractor, Engineer, and various City departments, and reviewing plans and specifications.

#### Street Resurfacing and Sewer Repairs

CITY OF GLENDALE | GLENDALE, CA

**Construction Inspector.** Mr. Crowley provided construction inspection services on street improvements including grinding, placing ARHM, and slurry seal, repairing concrete sidewalks, curb and gutters, cross gutters, and alley aprons, ADA upgrades to 24 ramps, adjusting manholes and valves to finish grade, and pavement striping and markings. Sewer improvements included lining 4,840 LF of sewer main line, various point repairs, reconstruction of 7 manholes, shaft step replacements in over 200 manholes, and sewer lateral replacements at a library and a fire station. Mr. Crowley oversaw the work of the Contractor; coordinating the work with the City, Contractor, businesses, and the public; providing inspections, and preparing daily reports; and project closeout.

#### On-Call Telecommunication Facilities Installation in Public ROW

CITY OF PASADENA | PASADENA, CA

**Construction Inspector.** Mr. Crowley provided construction inspection services on the street light replacement work associated with the installation and expansion of private telecommunication networks. His responsibilities included overseeing the Contractor's daily activities and assuring the work complied with required standards and permits, coordinating work with the Contractor, City, and public, and reviewing plans and specifications.

## CONTACT INFO

duane.neyens@nv5.com

## EXPERIENCE

30 years

## EDUCATION

B.S. Organizational Management

A.S. Public Works Management

## LICENSES/ CERTIFICATES

Program Certificate — Public Works Management, Palomar College with MSA and APWA

Program Certificate — Construction Inspection Technology, San Diego State University

Program Certificate — Public Administration Supervisor, (San Diego) North County Supervisors' Academy

Certified Inspector of Sediment & Erosion Control (CISEC)

QSP Trained

Concrete Testing Technician (ACI)

Reinforced Concrete Special Inspector (ICC)

Structural Masonry Special Inspector (ICC)

OSHA-30



## DUANE NEYENS

### Inspector

Mr. Neyens has more than 30 years of experience in the construction industry, including experience as a construction inspector, engineering inspections supervisor, and city construction manager having responsibility for both public works and private development projects. Mr. Neyens has worked as a consultant inspector on public works projects for the County of San Diego and in residential development as a project superintendent for Western National Contractors. He has a solid reputation for his focus on detail, his organizational skills, and an orientation toward successful project outcomes.

### Project Experience

#### On-Call Inspection Services

CITY OF SEAL BEACH | SEAL BEACH, CA

**Construction Inspector.** Mr. Neyens is providing on-call inspection services of both CIP and developer projects for the City. His responsibilities include documenting and determining the acceptability of the construction work in accordance with the City's approved plans, specifications, and standard details. He reports directly to the City's Project Manager.

#### Garrison Creek Detention Basin

CITY OF OCEANSIDE | OCEANSIDE, CA

**Construction Inspector.** This \$450K, 40 acre flood control project in an active creek installed a 200 lineal foot concrete and concrete masonry dam and a 50 lineal foot concrete and concrete masonry dam and up to 20 feet tall, over 700 lineal feet of concrete and concrete masonry retaining wall up to 20 feet tall. The project also eradicated exotic invasive plants, cleared and grubbed, graded, and planted native plant species.

#### Armorlite Drive SMART-Growth Corridor Enhancements

CITY OF SAN MARCOS | SAN MARCOS, CA

**City Construction Manager.** This \$3.5M grant-funded project reconfigured Armorlite Drive from North Las Posas Road to Bingham Drive to accommodate a complete street concept in a new, mixed-use district near Palomar College. Improvements included street parking, bicycle facilities, pedestrian pathways, lighting and landscaping, traffic calming, installation of curbs, gutters, traffic/pedestrian signal systems, storm drain systems and SWPPP. These improvements accommodated a complete street concept consistent with SanDAG's SMART-Growth Incentive Program, encouraging use of alternative transportation public transit integration and enhanced pedestrian and bike access to reduce greenhouse gas emissions.

## CONTACT INFO

carlos.barrios@nv5.com

## EXPERIENCE

30 years

## LICENSES/ CERTIFICATES

Certified Water Distribution Operator, Grade D5 No. 10282

Certified Water Treatment Operator, Grade T3 No. 21130

## CARLOS BARRIOS

### Inspector

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Mr. Barrios is a water/wastewater inspector with more than 30 years of experience in public works. Additionally, Mr. Barrios was a Grade D5 Certified Water Distribution Operator and Grade T3 Certified Water Treatment Operator for the City of Glendale Department of Water & Power. He has a vast knowledge of governmental operations, policies and procedures. His responsibilities include site observation and construction quality assurance and control, ensuring general site safety, preparing daily reports, photo documentation, monitoring SWPPP and BMP implementation, providing daily updates to the City project manager, and tracking quantities.

### Project Experience

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#### Crowther Sanitary Sewer Pipeline Replacement

CITY OF PLACENTIA | PLACENTIA AND FULLERTON, CA

**Alternate Construction Inspector.** Mr. Barrios is providing construction inspection services for this project, which includes replacement of approximately 7,400 linear feet of gravity sewer pipeline in Crowther Avenue, Placentia Avenue, and Orangethorpe Boulevard, located within the Cities of Placentia and Fullerton. The work involves installation of 15-inch, 18-inch, and 22-inch PVC and fused HDPE sewer pipeline and manholes. The work also includes reconnection into all of the existing gravity mains and service laterals with a terminus tie-in connection at the existing Orange County Sanitation District's trunk line on State College Boulevard. The project, which includes an encasement crossing underneath the 57 freeway in Caltrans right-of-way, involves coordination with multiple agencies, including Caltrans, the Orange County Sanitation District, Golden State Water, Department of Health Services, the City of Fullerton, and other utility and governmental agencies. Working in high-traffic areas, as well as a jack-and-bore crossing underneath the Orange County Flood Control District's flood control channel and a jack-and-bore crossing underneath the BNSF railroad, and multiple crossings of Southern California Gas Co.'s high-pressure gas feeder, are among the project's challenges. NV5 is providing construction management, inspection and materials testing services for this project.

#### Benson Avenue Temporary Sewer Lift Station

CITY OF CHINO | CHINO, CA

**Construction Inspector.** Mr. Barrios provided inspection services for the sewer lift station project. A proposed sewer lift station and force main connected to the IEUA Interceptor will collect and carry the sewer flows from the Chino Town Square, Portsmouth Street lateral and Philadelphia Street lateral and will pump the flows to an existing 30-inch IEUA sewer line. Construction of a temporary sewer lift station allows for the removal of the gravity sewer line along the bridge to meet Caltrans' construction schedule. A future phase will consist of the construction of the final sewer lift station.



## CONTACT INFO

rosario.ruvalcaba  
@nv5.com

## EXPERIENCE

35 years

## LICENSES/ CERTIFICATES

CA Water Distribution  
Operator, Grade III

Construction Inspection  
of Traffic Signals and  
Highway Lighting Systems  
certificate (UC Berkley  
Extension)

Construction Site Storm  
Management Course  
Certificate (AEI-CASC)

APWA Construction  
Inspection Workshop

Fall Protection Certificate

Trenching and Shoring  
Safety Certificate

Traffic Control Certificate

## ROSARIO RUVALCABA

### Inspector

Mr. Ruvalcaba has more than 35 years of experience in inspection of public works, public utilities construction, and maintenance projects. His vast construction inspection experience includes water lines, water mains, recycled water lines, sewer mains and lateral installations, catch basins, storm drains, and drainage facilities. He has inspected numerous roadway/street improvement projects, including sidewalks, drive approaches, ADA ramps, street excavations, asphalt concrete street paving and slurry seal coating, and verifying correct street sections by checking grades and elevations. Mr. Ruvalcaba was a Public Works Inspector for the City of Corona for more than 30 years and is adept at managing public concerns in the field and resolving issues quickly. He is experienced at working with multiple stakeholders, verifying compliance with contract standards and specifications, state laws, local ordinances, and Best Management Practices (BMP). In addition, Mr. Ruvalcaba is fluent in Spanish.

### Project Experience

#### Public Works Construction Inspector

CITY OF CORONA | CORONA, CA

**Construction Inspector.** Mr. Ruvalcaba inspected a variety of public works and public utilities construction and maintenance projects for the City. Projects included sidewalks, concrete structures, driveways, water main and service installations, sewer main and lateral installations, lift stations, pump stations, curbs and gutters, retaining walls, earthwork, street excavation and patchwork, drainage facilities, storm drains, landscape irrigation, traffic signal installations, underground conduit installations, street painting, street and traffic sign installations, and others to ensure construction and materials comply with contract standards and specifications, state laws, local ordinances and proper construction practices. Mr. Ruvalcaba's responsibilities included:

- Inspected public works and public utilities construction and maintenance projects
- Inspected potable and non-potable water systems (with a Grade D3 Certificate through the State of California), and sanitary sewer systems, including installation, testing, maintenance and repair
- Inspected stormwater drainage systems and year-round protections, including compliance with NPDES standards
- Inspected concrete street improvements, including sidewalks, drive approaches, wheelchair ramps, block walls, and other elements; inspected asphalt concrete street paving and slurry seal coating; ensured correct street sections by checking grades and elevations
- Observed earthwork grading, slope construction, earthen berms and surface drainage; reviewed soils compaction reports and grading certificates



## CONTACT INFO

salvador.sanchez  
@nv5.com

## EXPERIENCE

30 years

## LICENSES/ CERTIFICATES

Water Utilities Sciences  
Certificate

Metrolink Railroad Safety  
Contractor Safety Trained,  
No. 26481E22

CA Water Distribution  
Operator, D5 No. 08546

CA Water Treatment  
Operator, T4 No. 16793

## SALVADOR SANCHEZ

### Inspector

Mr. Sanchez is adept at managing and delivering a variety of public works projects, including water, sewer, and storm drain improvements. His skills in the development of project control procedures and methodologies for cost and schedule control have been implemented on several large-scale projects. Mr. Sanchez has accrued more than 30 years of public works experience, demonstrating his expertise in a range of responsibilities, including six years with the City of Riverside, nine years with the City of Pico Rivera and 14 years with the City of Glendale Water Department.

### Project Experience

#### Arantine Hills Sewer and Water Infrastructure Projects (Lift Station, Force Main, California Avenue Sewer Main, Potable Water Line)

CITY OF CORONA | CORONA, CA

**Construction Inspector.** Mr. Sanchez provided inspection services for the \$14.7M three-phase Arantine Hills sewer and water improvement projects to provide the necessary infrastructure for the Arantine Hills Development Project. The project involved the construction of a buried cast-in-place sewer lift station with above-grade controls. This was connected to a second project to construct the sewer force main with fused HDPE pipe via conventional open trench and trenchless jack-and-bore sewer construction along arterial streets and Caltrans ROW, forming 4 miles of pipeline. A third project managed simultaneously was the construction of the California Avenue Sewer at a depth of 25 feet below grade.

#### Benson Avenue Temporary Sewer Lift Station

CITY OF CHINO | CHINO, CA

**Construction Inspector.** A proposed sewer lift station and force main connected to the IEUA Interceptor will collect and carry the sewer flows from the Chino Town Square, Portsmouth Street lateral and Philadelphia Street lateral and will pump the flows to an existing 30-inch IEUA sewer line. Construction of a temporary sewer lift station allows for the removal of the gravity sewer line along the bridge to meet Caltrans' construction schedule. A future phase will consist of the construction of the final sewer lift station.

#### University Drive Widening (Campus Drive to MacArthur Boulevard)

CITY OF IRVINE | IRVINE, CA

**Construction Inspector.** Mr. Sanchez provided construction inspection services for the \$16M project, which included parkway improvements, street improvements, storm drain improvements, water improvements, and landscape and irrigation for the adjacent bike trail.



## CONTACT INFO

daniel.warren@nv5.com

## EXPERIENCE

30 years

## LICENSES

Water Distribution  
Operator Grade III  
No. 8020

Water Treatment Operator  
Grade II No. 18940

Recycled Site Supervisor  
Conversion from Potable  
to Recycled Water

Competent Person Site  
Survey for Soil Conditions

Trench Shoring Certified

Underground Utilities  
Certified

## DAN WARREN

### Inspector

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Mr. Warren is a water/wastewater inspector with more than 30 years of experience in public works. Additionally, Mr. Warren was a Grade III Water Distribution Operator and Grade II Water Treatment Operator for the Rowland Water District. He also served as a Construction Inspector for the City of La Habra Heights. Mr. Warren is extremely knowledgeable about the need for the Contractor's conformance to the approved plans and specifications, adherence to field quality control, as well as what the various heavy construction industry standards and construction principles are for water and wastewater systems. Mr. Warren has a significant knowledge of all aspects of public utilities and provides expert quality control for all aspects of potable water, sewer, and recycled water works throughout his execution of his duties as an Inspector.

### Project Experience

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#### On-Call Inspection Services

[CITY OF SEAL BEACH](#) | [SEAL BEACH, CA](#)

**Construction Inspector.** Mr. Warren provided on-call inspection services to the City. NV5 is providing construction inspection services for both CIP and developer projects for the City. Responsibilities include documenting and determining the acceptability of the construction work in accordance with the City's approved plans, specifications, and standard details.

#### Bankfield Sewage Pump Station

[CITY OF CULVER CITY](#) | [CULVER CITY, CA](#)

**Construction Inspector.** Mr. Warren provided inspection services for the construction of the Bankfield Sewer Pump Station adjacent to the Caltrans Right-of-Way. The new pump station receives diverted flows from two existing pump stations, and diverted flows from two more pump stations at a later date. The new pump station has a 10-foot-by-20-foot sewer wet well that is 35 feet deep, constructed in groundwater with a discharge permit to the City of L.A. Sewer Interceptor since the water was contaminated and RWQCB would not issue a permit to discharge to storm drain. There are two submersible pumps, a flow meter vault, a valve vault, a bypass vault for the two force mains, an emergency diesel-fueled backup electrical generator, and complete SCADA systems. NV5 assisted with the final design and implementation of the emergency diesel generator as well as pipeline redesign for the sewer force main, including the AQMD permitting, as the original plans did not accommodate a generator. There is also a 25-foot-by-20-foot building to house instrumentation and SCADA systems, a bathroom and electrical components. This project is an American Public Works Association BEST Awards winner.



## CONTACT INFO

mike.helma@nv5.com

## EXPERIENCE

30 years

## EDUCATION

B.S. Civil Engineering

## LICENSES

LEED Accredited  
Professional

## MIKE HELMA, LEED AP

### Inspector

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Mr. Helma has more than 30 years of experience in construction management and inspection with specific expertise in street improvements, sewer, water and storm drain systems, heavy grading, concrete structures, traffic signals, paving and landscaping. He is a LEED Accredited Professional and is adept at managing and inspecting large- and small-scale projects. He has also served as augmented staff for various public works departments.

### Project Experience

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#### Street Improvements

[CITY OF LA HABRA HEIGHTS](#) | [LA HABRA HEIGHTS, CA](#)

**Construction Inspector.** Mr. Helma provided construction inspection services for the rehabilitation of various streets throughout the City of La Habra Heights. The scope of work included street reconstruction and resurfacing (crack seal and slurry seal, type I & II), installation of AC berms, drainage improvements, utility adjustments, and traffic signage and striping.

#### Residential Street Rehabilitation

[CITY OF WEST COVINA](#) | [WEST COVINA, CA](#)

**Construction Inspector.** Mr. Helma provided construction inspection services for the rehabilitation of various streets throughout the City of West Covina. The scope of work included reconstruction of existing PCC sidewalks, driveways, curb and gutter, and ADA curb ramps; street reconstruction and resurfacing; utility adjustments; and traffic signage and striping.

#### Citywide Sewer Main Replacement

[CITY OF TORRANCE](#) | [TORRANCE, CA](#)

**Construction Inspector.** Mr. Helma provided construction inspection services for the installation of 12,000 LF of 8-inch cast-in-place plastic (CIPP) sewer liner that was installed in the residential streets of Rolling Hills Estates along with the point repair of 25 areas where the 8-inch sewer had to be replaced prior to lining. The project included the removal and replacement of 90 feet of an 8-inch concrete-encased sewer across an arterial highway. Work was completed within the 60-day schedule.

#### Edgewater Sewer Lift Station Replacement

[CITY OF HUNTINGTON BEACH](#) | [HUNTINGTON BEACH, CA](#)

**Construction Inspector.** Mr. Helma provided construction inspection services for the replacement of the Edgewater Sewer Lift Station. The project consisted of the abandonment and demolition of an existing sewer lift station and construction and installation of a new 1,000-gpm submersible sewage lift station and force main. The project also included installation of new gravity sewer, storm drain, water main, and site restoration. The project also included the installation of sheet pile shoring for the lift station.





## CONTACT INFO

david.ledyard@nv5.com

## EXPERIENCE

40 years

## EDUCATION

A.A. Engineering

## DAVID LEDYARD

### Inspector

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Mr. Ledyard has more than 40 years of engineering and construction inspection experience. He has served as both a supervisory inspector, overseeing permit inspectors, as well as a lead inspector on various capital improvement projects, including street, sewer, water and storm drain improvements.

### Project Experience

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#### CIP 13-01 Street Improvements

CITY OF COMPTON | COMPTON, CA

**Construction Inspector.** Mr. Ledyard provided inspection services for the CIP 13-01 Street Improvements project. The project included reconstruction of PCC sidewalks, driveways, curb and gutter, and ADA curb ramps; reconstruction and resurfacing of existing AC pavement; traffic loop replacement; traffic striping and signage; and other minor associated work.

#### University Drive Widening (Campus Drive to MacArthur Boulevard)

CITY OF IRVINE | IRVINE, CA

**Construction Inspector.** Mr. Ledyard provided construction inspection services for this project, which included parkway, street, storm drain and water improvements, and landscape and irrigation for the adjacent bike trail. The project consisted of traffic control, unclassified excavation, unclassified fill, construction of PCC curb ramps, median curb, curb and gutter, sidewalk, crack sealing, uniform depth cold milling, asphalt base course, asphalt concrete surface course, adjusting utility manholes and valves to grade, installation of traffic signs, striping, pavement markings and raised pavement markers, installation of new traffic signals, traffic signal modifications, SCE coordination and installation of new streetlight infrastructure, storm drain installation, landscaping, irrigation system, and water quality BMPs.

#### Traffic Signal Improvements

CITY OF POMONA | POMONA, CA

**Construction Inspector.** Mr. Ledyard provided construction inspection services for the federally funded Traffic Signal Improvements projects at Towne Avenue and Philadelphia Street, and at Garey Avenue and Philadelphia Street. The scope of work included adding left turn phasing, controller/equipment upgrades, conduit installations, temporary signals and all related work to complete the traffic signal modifications.

#### CIP 13-01 Street Improvements

CITY OF COMPTON | COMPTON, CA

**Construction Inspector.** The project included reconstruction of PCC sidewalks, driveways, curb and gutter, and ADA curb ramps; reconstruction and resurfacing of existing AC pavement; traffic loop replacement; traffic striping and signage; and other minor associated work.



## CONTACT INFO

matthew.renaud@nv5.com

## EXPERIENCE

20 years

## EDUCATION

B.S. Environmental Studies

## LICENSES/ CERTIFICATES

Qualified SWPPP Developer/Practitioner - Trainer of Record (QSD/P ToR)  
No. 0740

Certified Professional in Erosion and Sediment Control (CPESC)  
No. 6156

Certified Erosion, Sediment and Storm Water Inspector (CESSWI)  
No. 2487

Qualified Industrial Stormwater Practitioner (QISP)  
No.00527

## AFFILIATIONS

California Stormwater Quality Association (CASQA)



## MATTHEW RENAUD, QISP, CPESC, CESSWI, QSD/P TOR Storm Water Compliance and Inspection

Mr. Renaud has 20 years of experience in environmental remediation and stormwater compliance consulting, with a scientific specialization in water quality investigations. Additional areas of expertise include construction and industrial stormwater compliance: SWPPP writing, site inspections/audits, discharge sampling, compliance programs development, and ERA Reports. His responsibilities include the evaluation of analytical data and compilation of data for regulatory filing and final reports.

## Project Experience

### LINXS CJV LAX Automated People Mover Environmental Management/ Construction General Permit Compliance

LOS ANGELES, CA

Provided primary environmental compliance services to the construction Joint Venture. Provide QSD services for the creation of a multi-phase SWPPP for a 2.5-mile elevated rail line. Provide QSP inspection oversight throughout the course of the construction activities. Coordinate the environmental compliance activities related to soil management, paleo/cultural/biological, mold/lead/asbestos/PCB sampling and oversight.

### Los Angeles World Airports (LAWA) Industrial General Permit Compliance

LOS ANGELES, CA

Provided industrial permit compliance technical and field support for the airport's internal compliance group. Performed monthly Dry Weather Observations, Annual Facility Inspections, spill investigation and reporting, SWPPP amendments, Annual Report preparation. Produced and provided the required Annual Training for airport and tenant facility personnel. Provided technical advice on compliance approaches.

### BH Luxury Residences Construction General Permit Compliance

LOS ANGELES, CA

Prepared the project SWPPP and NOI for a development project valued at over \$1 Billion. QSP inspections and client advisement on stormwater design compliance issues. Management and quarterly reporting for the project's groundwater dewatering permit.

### General Permit Compliance

SANTA ANA USD CONSTRUCTION | SANTA ANA, CA

Mr. Renaud responded to Regional Water Quality Control Board (RWQCB)-issued Notices of Non-Compliance for multiple facilities regarding previously completed construction projects. He communicated compliance actions with RWQCB staff and filed NOTs and Annual Reports.

## CONTACT INFO

joel.paulson@nv5.com

## EXPERIENCE

38 years

## EDUCATION

M.A. Near Eastern Studies/Egyptology

B.A. Near Eastern Studies/Egyptology

## LICENSES/ CERTIFICATES

Professional Land Surveyor (CA)  
No. 6637

GIS Professional (GISP)  
No. 90366

## AFFILIATIONS

Urban and Regional Information Systems Association (URISA)

California Land Surveyors Association (CLSA)



## JOEL PAULSON, PLS, GISP

### Surveyor

Mr. Paulson brings 38 years of experience in land development, from small two-lot parcel maps to large multi-unit subdivisions, taking the projects from planning stages to final construction, as well as numerous aerial control surveys, ALTA surveys, topographic surveys and construction projects. Mr. Paulson has also been heavily involved in using GIS as a mapping, land planning, and analysis tool. Mr. Paulson has led the effort at NV5 for using point-cloud data from ground-based HDS scanner for mapping and 3D modeling. He has developed and implemented an Unmanned Aerial System (UAS)-based LiDAR data acquisition program for power line and topographical mapping.

### Project Experience

#### On-Call Surveying Services

CITY OF TWENTYNINE PALMS | TWENTYNINE PALMS, CA

**GIS Manager.** GIS Manager responsible for preparing GIS from survey data for a redevelopment project in the City of Twentynine Palms. The GIS included boundary lines and topography.

#### On-Call Survey Services

SAN DIEGO COUNTY REGIONAL AIRPORT AUTHORITY | SAN DIEGO, CA

**Senior Surveyor.** Senior surveyor for survey services on an as-needed basis for the Airport Authority. He provided boundary surveys, lease platting and legal description preparation and review, aerial photogrammetry and conventional topographical surveying, reviews of existing bench marks and boundary lines, field surveying for surface and utility infrastructure mapping, geographical information compilation and mapping, GIS data conversion and construction staking.

#### GIS Infrastructure Database

GROSSMONT AND CUYAMACA COMMUNITY COLLEGE | EL CAJON, CA

**GIS Manager.** As GIS Manager, Mr. Paulson supervised the collection of data from a variety of sources, including boundary, topographic, utility and other map layers from the district and consultants, as well as outside public sources, and the creation of a GIS incorporating the data. He worked with his staff to integrate utility data from mark-outs, potholes and other data collection methods into the GIS.

#### GIS Maintenance and Expansion

MIRACOSTA CCD | OCEANSIDE/ENCINITAS, CA

**GIS Manager and Surveyor.** As GIS manager and surveyor, Mr. Paulson supervised the maintenance and expansion of a GIS for a community college district consisting of two campuses and a learning center, including utilities, boundaries, encumbrances, structures and topography.

## CONTACT INFO

j.braley@nv5.com

## EXPERIENCE

45 years

## EDUCATION

General Education courses  
(Virginia Polytechnic  
University, VA)

Land Survey courses  
(Santa Ana College, CA)

Land Surveying  
Fundamentals (California  
State University, Fresno,  
CA)

AutoCAD Level 1 & Level  
2 (Sacramento State  
University, CA)

Global Positioning  
Survey course (Los Rios  
Community College, CA)

GIS course (Sierra College,  
CA)

## LICENSES/ CERTIFICATES

Professional Land Surveyor  
(CA) No. 8446

Professional Land Surveyor  
(NV) No. 19903



## J BRALEY, PLS

### Surveyor

Mr. Braley has more than 45 years of experience as a Land Surveyor in California, Oregon, Washington, Nevada, and Virginia for public works agencies, institutional agencies, and private land developers. He has a strong background in right-of-way mapping, boundary and title-related issues as well as topographic surveys, horizontal and vertical control, final monument and construction staking. Mr. Braley was the survey project manager on several large projects including the mapping for over 100 sections, resolving the boundaries on over 1,800 parcels within those sections and resolved boundaries for 30 miles of the Los Angeles Aqueduct.

### Project Experience

#### Reche Canyon Road and Other Roads, Colton Area

COUNTY OF SAN BERNARDINO | COLTON, CA

**Survey Manager.** Mr. Braley is providing surveying services for the project, which involves pavement rehabilitation to Reche Canyon Road and other roads (approximately 7.13 miles) and for the design of new or replacement of existing ADA ramps at 10 locations in the Colton area. NV5's services also include preparation of legal descriptions and plats; utility coordination; preparation of traffic signing and striping plans and a pedestrian traffic plan; and environmental services support.

#### Phelan Road in the Phelan Area

COUNTY OF SAN BERNARDINO | PHELAN, CA

**Survey Manager.** Mr. Braley is providing surveying services for the design of Phelan Road, Phelan Area. The project includes pavement rehabilitation and reconstruction on Phelan Road, from State Route 138 east to Los Banos Avenue, new or replacement of existing ADA ramps at 19 locations, and traffic signal installation at Clovis Road in the Phelan area. Services include utility coordination; preparation of legal descriptions and plats; preparation of traffic signing and striping plans and a pedestrian traffic plan; traffic signal modification plans for any ramp locations necessary to provide ADA compliance; environmental services support, including preparation of plans, reports and/or applications for a Stormwater Pollution Prevention Plan; and advertising, bidding and construction support.

#### TUSD Survey Maps

TORRANCE UNIFIED SCHOOL DISTRICT | TORRANCE, CA

**Survey Manager.** Mr. Braley was contracted to provide detailed topographic survey maps for more than 20 elementary, middle, and high schools. Mr. Braley was responsible for GPS control, coordination with the aerial mapping consultant, logistics on the ground specific topography, boundary resolution and managing the drafting of the final products, which were a compilation of the aerial mapping and the ground specific topography surveys.

# COST PROPOSAL — OPTION 1: PLAN CHECK SERVICES

## Fee Schedule



Rates will remain in effect for the initial 3-year term of the contract.

ENGINEERING SERVICES	HOURLY RATE**
Principal	\$275
Project Manager	\$210
Plan Check Engineer III	\$195
Plan Check Engineer II	\$175
Plan Check Engineer I	\$150
Traffic Engineer	\$225
Senior Structural Engineer	\$210
Structural Engineer	\$175
Senior Landscape Architect	\$171
Landscape Architect	\$143
SURVEY PROFESSIONAL SERVICES	HOURLY RATE**
Junior Engineer/Planner/Surveyor	\$95
Assistant Engineer/Planner/Surveyor	\$115
Associate Engineer/Planner/Surveyor	\$135
Senior Engineer/Planner/Surveyor	\$155
Associate Project Manager	\$160
Project Manager	\$210
Entitlement Engineer/Planner	\$185
Associate	\$225
Principal	\$275
REIMBURSABLE EXPENSES	COST
Reproduction	Cost
Consultant Services	Cost + 15%
Automobile Transportation	per IRS standard
Delivery, Freight, Courier	Cost
Agency Fees	Cost
Commercial Travel	Cost

\*\* Regular rates. Work in excess of 8 hours and work on Saturdays will be billed at 1.5 times the regular rate. Work in excess of 12 hours and work on Sundays and Holidays will be billed at 2 times the regular rate.

### PLAN REVIEW FEE

NV5's fee to perform plan review services will be determined based on a percentage of the City's collected plan review fee as follows:

- Civil Plan Checks: 75% of the City's collected fee

NV5's fee will include the initial check and up to two (2) re-checks. If additional reviews are needed, services will be billed on a time and materials basis (T&M) according to the fee schedule included above.

### EXPEDITED PLAN REVIEW FEE

Expedited plan reviews can be completed for a 25% markup.

# COST PROPOSAL — OPTION 2: INSPECTION SERVICES

## Fee Schedule



Rates will remain in effect for the initial 3-year term of the contract.

<b>INSPECTION SERVICES</b>	<b>HOURLY RATE**</b>
Principal	\$275
Project Manager	\$210
Senior Construction Inspector (Prevailing Wage)*	\$155
Construction Inspector (Prevailing Wage)*	\$145
<b>REIMBURSABLE EXPENSES</b>	<b>COST</b>
Reproduction	Cost
Consultant Services	Cost + 15%
Automobile Transportation	per IRS standard
Delivery, Freight, Courier	Cost
Agency Fees	Cost
Commercial Travel	Cost

\* Assumes prevailing wages are applicable for field work.

\*\* Regular rates. Work in excess of 8 hours and work on Saturdays will be billed at 1.5 times the regular rate. Work in excess of 12 hours and work on Sundays and Holidays will be billed at 2 times the regular rate.

# COST PROPOSAL — OPTION 3: ON-CALL SURVEY



## Fee Schedule

Rates will remain in effect for the initial 3-year term of the contract.

<b>SURVEY PROFESSIONAL SERVICES</b>	<b>HOURLY RATE**</b>
Junior Engineer/Planner/Surveyor	\$95
Assistant Engineer/Planner/Surveyor	\$115
Associate Engineer/Planner/Surveyor	\$135
Senior Engineer/Planner/Surveyor	\$155
Associate Project Manager	\$160
Project Manager	\$210
Entitlement Engineer/Planner	\$185
Associate	\$225
Principal	\$275
<b>SURVEY TECHNICAL SERVICES</b>	<b>HOURLY RATE**</b>
Engineering Aide/Planning Aide	\$60
Project Assistant	\$80
Project Administrator	\$90
CADD Technician I	\$100
CADD Technician II	\$125
CADD Technician III	\$135
Sr. CADD Technician/Designer	\$145
<b>FIELD SURVEY</b>	<b>HOURLY RATE**</b>
1-Person Survey Crew*	\$150
2-Person Survey Crew*	\$270
3-Person Survey Crew*	\$310
Senior Surveyor*	\$150
Survey Manager*	\$200
<b>REIMBURSABLE EXPENSES</b>	<b>COST</b>
Reproduction	Cost
Consultant Services	Cost + 15%
Automobile Transportation	per IRS standard
Delivery, Freight, Courier	Cost
Agency Fees	Cost
Commercial Travel	Cost

\* Assumes prevailing wages are applicable for field work. \*\* Regular rates. Work in excess of 8 hours and work on Saturdays will be billed at 1.5 times the regular rate. Work in excess of 12 hours and work on Sundays and Holidays will be billed at 2 times the regular rate.

# COST PROPOSAL — OPTION 4: STORM WATER COMPLIANCE

## Fee Schedule

Rates will remain in effect for the initial 3-year term of the contract.



<b>STORM WATER COMPLIANCE AND INSPECTION SERVICES</b>	<b>HOURLY RATE**</b>
Principal	\$275
Project Manager	\$210
Senior Engineer	\$165
Project Engineer	\$145
Assistant Engineer	\$125
Senior Water Quality Inspector*	\$150
Junior Water Quality Inspector*	\$90
<b>REIMBURSABLE EXPENSES</b>	<b>COST</b>
Reproduction	Cost
Consultant Services	Cost + 15%
Automobile Transportation	per IRS standard
Delivery, Freight, Courier	Cost
Agency Fees	Cost
Commercial Travel	Cost

\* Assumes prevailing wages are applicable for field work.

\*\* Regular rates. Work in excess of 8 hours and work on Saturdays will be billed at 1.5 times the regular rate. Work in excess of 12 hours and work on Sundays and Holidays will be billed at 2 times the regular rate.



**EXHIBIT "B"**

**CERTIFICATES OF INSURANCE AND ENDORSEMENTS**

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