

AMENDMENT TO “AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES”

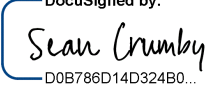
THIS AMENDMENT TO AGREEMENT FOR PROFESSIONAL CONSULTING SERVICES is made and entered into as of March 31, 2025 by and between the CITY OF IRVINE, a municipal corporation (“City”) and NV5, INC., a California corporation (“Consultant”), for the purpose of amending the written “Agreement for Professional Consulting Services” entered into between City and Consultant as of April 1, 2025, City of Irvine contract number 21253B1 (the “Agreement”). Consultant is included on the City of Irvine 2024 On-Call Program List.

1. PART V, BUDGET, is modified to implement a not-to-exceed project contract value of \$395,860.00 for the Scope of Work in accordance with EXHIBIT I, attached hereto.
2. Except as set forth in this Amendment, all terms, conditions and provisions of the Agreement are unchanged and remain in full force and effect.

(Signatures follow on next page)


IN WITNESS WHEREOF, the parties hereto have caused this Amendment to the Agreement to be executed by their respective duly authorized agents as of the date first set forth above.

CITY OF IRVINE

DocuSigned by:
By: 
D0B786D14D324B0...
Sean Crumby
Its: Director of Public Works & Sustainability

Signed by:
By: 
7809AA719A2B4C7...
Oliver C. Chi
Its: City Manager

Attest:

DocuSigned by:
By: 
0FCAD91F02E547D...
Carl Petersen
Its: City Clerk

APPROVED AS TO FORM:
RUTAN & TUCKER, LLP

DocuSigned by:
By: 
DABE8686180C4BB...
Jeffrey Melching

NV5, INC.

Signed by:
By: 
D76D52C819074D0...
Jeffrey M. Cooper
Its: Senior Vice President

DocuSigned by:
By: 
7FFC5B3A6A614DC...
MaryJo O'Brien
Its: Secretary

EXHIBIT I

February 19, 2025

City of Irvine
Attn: Gregg Gipe, Great Park Project Administrator
1 Civic Center Plaza
Irvine, CA 92606

Subject: Construction Inspection Services for the Northern Sector Demolition Phase 2, CIP 372417 Project

Dear Mr. Gipe:

NV5 is providing this proposal in support of the Northern Sector Demolition Phase 2 Project for the City of Irvine (City) and offers the following:

Understanding of the Project Requirements: As a continuation of the demolition work completed during Phase 1 of the project, which removed 77 above-ground derelict structures and hazardous materials in accordance with the Amended Restated Development Agreement, the objective of this Phase 2 project is to complete the removal of all abandoned infrastructure, building foundations, retaining walls, underground utilities, and other remaining base-era infrastructures to prepare the site for the development of the Great Park Framework. The Northern Sector is bounded by Irvine Blvd to the north, Agua Chionon to the east, and is southeast of Cadence Blvd and Pusan Way. NV5 understands that the City awarded this project to Resource Environmental, Inc. for \$6,187,000 through the Public Works & Sustainability Department on October 22, 2024. This award and bid were significantly under the engineer's estimate of \$15M, and the City received three bids, with Resource Environmental's low bid at \$6,187,000 and two bidders deemed responsive. The project duration is 240 working days, with fieldwork expected to commence in April 2025, and liquidated damages against the construction contractor of \$3,000 per calendar day. This project is subject to the DIR's Prevailing Wage requirements, as well as the City of Irvine's CWA requirements. As such, since NV5 is non-union, we must dispatch our inspector as a covered craft under the CWA, through Local 12, and pay the union benefit funds to Local 12 for our core worker. NV5 will be providing daily construction inspection for the work of the general contractor and reporting directly to the City of Irvine. The work to be performed shall include, but not be limited to: clearing and grubbing; soil excavation and disposal; removal of building slabs, foundations, and retaining walls; removal of asphalt and concrete pavements; removal of concrete structures; removal of underground and above-ground utilities; removal of fencing, bollards, and trees; crushing and processing concrete and asphalt, and stockpiling into crushed miscellaneous base material, as shown on plans or identified in the field by the City. This project involves massive demolition of many improvements, including 100,000 tons of CFD runway crushing stockpile and another 90,000 tons of non-CFD runway crushing stockpile. In addition, there are elements like PCC floor slabs totaling 14,683 tons, 42,331 tons of AC pavement, and 69,607 tons of PCC pavement to be removed. There are also massive quantities of RCP, VCP, DIP, PVC, HDPE, and PE ranging in depth from 5 to 15 feet below grade. There are other elements of demolition here to be removed, too numerous to list in full, requiring complete removal of all abandoned and underground infrastructure to prepare the site for the development of the Great Park Framework Plan, which is a critical step in delivering the Framework Plan. It should be noted that one core duty of our inspector is to keep track of quantities daily in our Inspector's Daily Report since the bid quantities form the basis of the Schedule of Values and, in turn, the Contractor's Monthly Pay Application that our inspector will check the quantities for. Another element that our Inspector of Record must track will be any elements such as the T&D Non-RCRA Cal Haz Lead or petroleum products that must leave the site in covered trucks with a chain of custody after on-site testing and verification. The results of the testing, as well as the chain of custody paperwork copy, is one of our inspector's daily duties to collect, placing this documentation into their Inspector's Daily Report and delivering originals to the City's Project/Construction Manager. Our Inspector of Record will inspect to the City's as-bid contract documents, including the permits and agreements, the six addenda, special provisions, contract plans, standard plans, standard specifications, and reference specifications.

Description of Scope of Services Proposed: NV5's proposed scope of services is as follows:

Task 1: Provide daily construction inspection services for the project (one prevailing-wage Inspector of Record, IOR) for 240 working days assuming eight (8) hours a day (full time), prevailing wage, in compliance with the City's CWA, to verify compliance with the Contract Documents.

- a. Daily Inspection Reports: Maintain daily construction inspection reports, project logs, material data sheets, chain of custody sheets for hazardous/non hazardous material transportation, photos, labor, materials, equipment, and other inspection records in NV5's standard CMIS web-based software system.
- b. As-Built Recording: Maintain our own set of red-lined As-Built Contract Documents and monitor the Contractor's on-

February 19 2025

Page 2

site As-Builts.

- c. Maintain the Project Record Files: NV5's IOR will assist the City in maintaining the Project Record Files including filing of our IOR's Daily Inspection Reports, as-built information, chain of custody transport documentation, and other field documentation to be collected during the course of the day as required by the City.
- d. Provide the City's Project Manager immediate verbal and written reports (phone call, email and Daily Report) of Contractor's deviations and non-conformance to the specifications with recommendations for corrections. NV5 will follow up with the Contractor and the City's Project Manager to assure that all of the contractor's deviations are corrected to meet the requirements of the plans and specifications, or other agreed-to documentation from the City as directed by the City.
- e. Progress Meetings: Attend weekly progress meetings and other City meetings with the Contractor and City as needed for resolution of Construction elements by the Contractors.
- f. Monitor utility coordination between the Contractor and utility agencies and utility locators, and report conflicts of underground utilities to the City and recommend a course of action within our Daily Reports .
- g. Track and monitor the Contractor's compliance with temporary traffic control requirements and implementation of a traffic control plan that is in accordance with the Contractor's latest approved traffic control plan, or Manual of Uniform Traffic Control Plan (MUTCD), and log within our Daily Reports .
- h. Review Contractor's Schedule of Values (SOV) for payment with recommendations to the City confirming quantities within the SOV.
- i. Alert the City should the Contractor encounter an obstacle requiring a change order and advise as to the nature of that change order for either time and/or labor, materials, and equipment. If the City approves proceeding with a change order, then NV5's Inspector will track and monitor the Contractor's progress against the requirements of the change order — such as labor, equipment, and materials — on time-and-materials (T&M) change orders within our Daily Reports.
- j. Review Contractor's materials-testing laboratories' QA/QC documentation and Ninyo and Moore's geotechnical inspection services and verify compliance with the Contract Documents. NV5's Inspector of Record will monitor and provide the Records of the Reporting Acceptance Testing Results for work performed by the Contractor's materials-testing laboratory and Ninyo and Moore, and collect and provide the appropriate documentation to the City within our Daily Reports.
- k. The City remains responsible as the Generator of the Hazardous Waste as well as the Shipper of the Hazardous Waste under Code of Federal Regulations (CFR) part 262 and has Handler ID CAL 000027318. The Contractor remains responsible for all documentation relating to Hazardous Materials Regulations (HMR) and special permits, including the State of California Department of Transportation (DOT) permits and documentation. NV5 Inspector of Records will collect and review the Contractors' hazardous waste remediation efforts and documentation, including laboratory testing, Chain of Custody, and DOT shipping documents, and will collect and upload into our Daily Reports.
- l. Provide SWPPP, BMP, NPDES, and ISMND review of the Contractor's implementation of these required features and recommendations of compliance, especially pre- and post-storm events, within our Daily Reports.
- m. Monitor Contractor's compliance with jobsite safety. Authority to Stop the Work is given to NV5's Inspector should our Inspector observe a life-threatening situation unfolding by the Contractor. NV5 will alert Contractor's on-site Superintendent and the City via phone and email of any safety issues of concern and document safety concerns within our Daily Reports.
- n. Final Corrections List: Establish a punch list during construction. Update the punch list as construction progresses. Prepare subsequent and final inspections of the punch list items and confirm completion by the Contractor. Provide punch list walkthrough with the City and the Contractor. Maintain the punch list throughout the contract period, with the final two weeks devoted to punch-list closeout. Punch list will be maintained in CMIS.

Deliverables

- 1) Inspector's Daily Reports
- 2) Other Field Documentation such as Chain of Custody transport paper work, T&M paperwork, etc.
- 3) Inspector's As-Built Records
- 4) Punch Lists

Task 2: Provide CMIS web-based Construction Document System platform to store real-time Inspector's Daily Reports and Punch Lists. This software allows for viewing by any team member with specific permissions for viewing, select read/write, and downloading documentation. The project team, the City, and the Contractor have the option to utilize the system's other

February 19 2025

Page 3

resources, including management processing and auto-logging of submittals, RFIs, Change Orders, weekly statement of working days, photographs, and large file sharing at their option with no additional cost to the project if no other systems are being utilized. NV5 will provide a USB or Dropbox link of final documentation to the City for archival upon project completion.

Deliverables

- 1) CMIS Job Setup for the City, NV5 Staff, the Contractor, and the Project Team
- 2) Archival of CMIS on a USB or DropBox link of files to the City upon completion

NV5 understands this project is a covered craft under the CWA for Construction Inspection. If the City or the Unions concur that NV5's construction inspection services is a covered craft, NV5 will follow the terms and conditions of the CWA under a direct cost with no markup reimbursement and will provide the following:

- a. NV5 will sign a Letter of Assent which will be sent to the Union.
- b. NV5's Core Workers will sign up with the Union that claims the work during our kick-off meeting with the Union in order to satisfy the Core Worker requirement. All NV5 Core Workers will be registered and dispatched through the Union.
- c. NV5 will process the 48-hour Union Craft Request form, per Section 3.9 of the CWA. If no Union Inspector of Records are deemed qualified or the Union fails to fulfill the Craft Request form for Inspector of Records, NV5 will fill a second Inspector of Record with our own forces.
- d. NV5 will process the Union Benefit Funds as required by Section 5.2.1 of the CWA.

Deliverables

- 1) NV5's signed Letter of Assent per the CWA.
- 2) NV5 Worker Registration and Dispatch through Union per the CWA.
- 3) Processing of the 48-Hour Craft Request Form per the CWA.
- 4) Payment of Union Benefit Funds per the CWA.

Project Team and Qualifications: Our team brings extensive experience and expertise in providing comprehensive inspection services for large-scale demolition and construction projects. With a proven track record of successfully managing similar projects, our team includes seasoned inspectors who are well-versed in public works construction for a variety of projects. Our inspectors have demonstrated proficiency in daily construction inspection, documentation, and compliance verification with contract documents. Our commitment to quality and adherence to safety standards assures that we deliver exceptional inspection services which will contribute to the successful completion of the Northern Sector Demolition Phase 2 project at the Great Park. Included as an Attachment is a summary of our proposed team's qualifications. Included as an Attachment is a summary of our proposed team's qualifications. **Luanne Bean, PE**, will serve as your dedicated Project Manager. **Kenneth P. Hicks, QSP**, with 18 years of experience, is our proposed Construction Inspector. Additionally, **Daniel Warren and John L. Martin, Jr.** are included as Alternate Construction Inspectors, allowing the City to choose the best fit for the project.

Fee Proposal: NV5's services will be billed on a time-and-materials basis for the total not-to- exceed fee listed in the attached fee in accordance with our PM2 On-Call Contract with the City.

NV5 looks forward to the continuing opportunity to work with the City to help you achieve your goals and objectives. If you need further information, we may be reached by phone at (949) 585-0477, or electronically at luanne.bean@nv5.com and jeff.cooper@nv5.com. Thank you for your time and consideration.

Sincerely, NV5, Inc.



Luanne Bean, PE
Director of Construction Management



Jeffrey M. Cooper, PE
EVP/COO

PN: 2700225-0003594.00

Attachment – Fee Proposal



FEE PROPOSAL
CITY OF IRVINE
CONSTRUCTION INSPECTION SERVICES
For the Northern Sector Demolition Phase 2

TASK NO.	WORK DESCRIPTION	SENIOR PROJECT MANAGER*		CWA/PW SENIOR CONSTRUCTION INSPECTOR** (Up to 8 hours)		ADMINISTRATION		CWA FEES (No Markup)	TOTAL FEE
		HOURS	\$	HOURS	\$	HOURS	\$		
1.0	Construction Inspection								
a - m	Provide Construction Inspection (1 Workers 2080 hrs, 8/hr day, Prevailing Wage)	2	\$430	1920	\$393,600		\$0		\$394,030
2.0	CMS Web Based Construction Document System								
a	Provide CMS Web Based Construction Document System (No Charge)		\$0		\$0		\$0		\$0
b	CWA Implementation and Compliance, Process Union Benefit Funds		\$0		\$0	12	\$1,140		\$1,140
c	Sign Letter of Assent		\$0		\$0		\$0		\$0
d	Attend Union Kickoff Meeting and NV5's Core Worker Union Registration (\$500 Worker)		\$0		\$0		\$0	\$500	\$500
e	Process 48 Hour Union Craft Request Forms (Not Required with One Inspector)		\$0		\$0	2	\$190		\$190
	Subtotal	2	\$ 430	1920	\$ 393,600	14	\$ 1,330	\$ 500	\$ 395,860
TOTAL FEE									\$395,860

* Rates are in accordance with our Contract Entered into on March 27, 2024 Reference RFP 24-3394 PM2 Inspection Services

** California DIR PW Wage Group 2 Rates shown are for regular pay up to 8 hours daily, 1.5x rate will be charged for overtime rates from 8 to 12 hours and holiday and Saturday work, and 2x Rate will be charged for overtime rates after 12 hours and Sunday work. Partial days under 4 hours of work will be charged at 4 hours, thereafter the number of hours worked will be charged according to the above rate schedule. CWA Rate is included in this fee.

*** Includes required payments to CWA Union Pension Funds estimated \$12.85 Health and Welfare, \$14.65 Pension, \$3.85 Vacation and Holiday, \$1.05 Training, \$0.41 Other, totaling \$32.81 without NV5 Markup as a direct cost pass through.

**** NV5'S Leased/Rented Enterprise Truck will be billed as a pass through at cost on a monthly T&M basis of approximately \$1,750 rental, \$100 Gas, \$150 Insurance.

NV5's services will be billed on a time-and-materials basis for the total not-to-exceed fee listed above.

Attachment – Approved Hourly Rates

DocuSign Envelope ID: 8875349E-C87C-4AFB-B49F-290C0382256D

PRICING PROPOSAL

PM2. INSPECTION SERVICES

Fee Schedule

Rates are effective through the initial term of the contract. Hourly rates apply to our staff working on-site utilizing City office space, equipment, and materials as well as our staff working off-site in our home or field office.



ENGINEERING SERVICES	HOURLY RATE**
Principal	\$275
Project Director	\$215
Quality Assurance Manager	\$215
Senior Project Manager	\$215
Project Manager	\$195
Traffic Engineer	\$225
Senior Structural Engineer	\$210
Structural Engineer	\$175
Senior Engineer	\$165
Project Engineer	\$145
Assistant Engineer	\$130
Designer	\$125
CADD Technician	\$105
Administration	\$95
CONSTRUCTION SERVICES	HOURLY RATE**
Senior Construction Manager	\$200
Construction Manager	\$185
Assistant Construction Manager	\$175
Senior Office Engineer	\$150
Office Engineer	\$125
Senior Construction Inspector * (Prevailing Wage & Subject to CWA per Section 2.2)	\$205
Construction Inspector * (Prevailing Wage & Subject to CWA per Section 2.2)	\$195
Senior Construction Inspector * (Prevailing Wage & Not Subject to CWA per Section 2.2)	\$170
Construction Inspector * (Prevailing Wage & Not Subject to CWA per Section 2.2)	\$160
Construction Administration	\$95
BUILDING INSPECTION SERVICES	HOURLY RATE**
Senior Building Inspector/CASp (Non-Prevailing Wage & Not Subject to CWA per Section 2.2)	\$145
Senior Building Inspector/CASp (Prevailing Wage & Not Subject to per Section 2.2)	\$215
Building Inspector/CASp (Non-Prevailing Wage & Not Subject to CWA per Section 2.2)	\$135
Building Inspector/CASp (Prevailing Wage & Not Subject to per Section 2.2)	\$205
REIMBURSABLE EXPENSES	COST
Reproduction	Cost
Consultant Services	Cost + 15%
Delivery, Freight, Courier	Cost
Agency Fees	Cost

RESUMES

CONTACT INFO

luanne.bean@nv5.com

EXPERIENCE

35 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

Project Manager

Ms. Bean has more than 35 years of experience in the engineering, design, and construction of capital improvement 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.

Project Experience

Heart of the Park Mass Grading

CITY OF IRVINE | IRVINE, CA

Project Manager. Ms. Bean is overseeing NV5's construction inspection services for the Heart of the Park Mass Grading project as a subconsultant to Griffin Structures. This project, bound by Agua Chinon and Great Park Boulevard, involves the mass grading of 210 acres, including over-excavation and stockpiling for the Heart of the Park development area.

Great Park Live Projects and Cultural Terrace Phase 2 Project

CITY OF IRVINE | IRVINE, CA

Project Manager. Ms. Bean is overseeing NV5's construction instruction services, as a subconsultant to Griffin Structures, for the Great Park Live and Cultural Terrace Phase 2 projects at the City of Irvine's Great Park. The Great Park Live project includes a temporary parking lot, expansion of the existing parking lot, and construction of the temporary amphitheater. The Cultural Terrace Phase 2 project includes ACM/LBP abatements, soil remediation, building demolition, underground utility removals, rough grading, and construction of three new building pads. NV5's services include inspecting the site/civil work, including demolition, grading, electrical for lighting, curb and gutter, sidewalk and paving, traffic areas, foundation installation, and site utilities.

On-Call Project Management and Construction Management Services

CITY OF IRVINE | IRVINE, CA

Project Manager. Ms. Bean oversees NV5's contract with the City providing as-needed project management and construction management services, including augmentation of City staff. As part of this contract, she has served as Project and Construction Manager for a \$1.5M for the William Woollett Jr. Aquatics Center that involved restoring and resurfacing three pools. Ms. Bean was also the Project Manager for the \$280K exterior rehabilitation and painting for the Heritage Park Community Center and two other buildings in the park.

Graves Reservoir Replacement

CITY OF SOUTH PASADENA | SOUTH PASADENA, CA

Project Manager/Construction Manager. Ms. Bean provided comprehensive construction management services on the demolition reservoir and construction of the new 1.2 mg partially buried cast-in-place Graves Reservoir sited in a residential neighborhood. NV5 provided full-service CMS, including Construction Management, Inspection, Lead and Asbestos Demolition Oversight, Public Relations, SRF Loan Reimbursement Management, Biological Monitoring, Geotechnical and Materials Testing for this comprehensive project. The completed reservoir included Vedura walls in front of the reservoir for landscaping to cover and provide an aesthetically pleasing element for the local residential community.



RESUMES

CONTACT INFO

kenneth.hicks@nv5.com

EXPERIENCE

18 years

LICENSES/CERTIFICATES

Qualified SWPPP

Practitioner (CA)

No. 27259 (CASQA)

Certified Inspector of
Sediment and Erosion
Control

Nuclear Gauge Certified

Railroad Safety

OSHA 30-Hour

OSHA 10-Hour

KENNETH P. HICKS, QSP

Primary Construction Inspector

Mr. Hicks has 18 years of experience providing construction inspection services for various capital improvement projects, including street improvements, wet and dry utilities, grading, stormwater, and landscaping and irrigation. He has provided quality assurance testing for highways, bridges and streets, sewer and water systems, and other structures using nuclear gauge or assigned equipment. He is experienced in working with local, state and federal facilities regarding land use, including right-of-way, construction, easements and other purposes.

Project Experience

On-Call Engineering Services

CITY OF LAGUNA WOODS | LAGUNA WOODS, CA

Construction Inspector. Mr. Hicks provided construction inspection services for the City on two separate projects that occurred simultaneously. The ADA Pedestrian Accessibility Improvement Project, Phase 7, included the demolition of existing driveway approach, curb and sidewalk; and construction of a new driveway approach, curb and over 5,000 square feet of sidewalk. The City's 2023-2024 Pavement Management Project included construction of a 2-inch thick full-width grind and 2-inch ARHM overlay between Tanager Lane and Canyon Wren Lane on El Toro Road. Final inspection of the new striping and a punch list walk were also completed.

On-Call Inspection Services

CITY OF SEAL BEACH | SEAL BEACH, CA

Construction Inspector. Mr. Hicks provides on-call inspection services for the City. Safety is a major concern for the City, and in addition to our regular daytime inspectors, our inspectors have been called for night and weekend work to ensure traffic control is properly set up for items like Caltrans right-of way. Our inspectors provide inspections to document and determine the acceptability of the construction work in accordance with the City's permit requirements including approved plans, specifications, and standard details. Our NV5 inspectors report directly to the City's Project Manager. NV5 provides both daily emails for a quick summary of the work, as well as daily reports with photograph documentation.

Sunkist Park Residential Overlay, P-863

CITY OF CULVER CITY | CULVER CITY, CA

Construction Inspector. This project included cold milling existing roadway pavement, constructing a new 2-inch rubberized asphalt overlay, full-depth demolition and reconstruction of paving, plus replacement of traffic loops, reconstruction of speed humps, and adjustment of utility access cover and sewer manholes to grade. Mr. Hicks' responsibilities included daily construction inspection reports with photos to monitor the work progress for compliance; quantity tracking, and reporting to the City's Project Manager.

Sidewalk & Curb Ramp Reconstruction Phase 3 (CIP No. 052)

CITY OF EL MONTE | EL MONTE, CA

Construction Inspector. Mr. Hicks provided construction inspection services for the federally assisted Sidewalk & Curb Ramp Reconstruction Phases 3. The scope of work includes parkway improvements along various local/residential roadways within the City and includes the demolition and reconstruction of existing PCC sidewalks, curb and gutter, driveways, and ADA curb ramps.



RESUMES

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

DANIEL WARREN

Alternate Construction Inspector

Mr. Warren is a construction inspector with more than 30 years of experience in public works, including the positions Construction Inspector for the City of La Habra Heights and Grade III Water Distribution Operator and Grade II Water Treatment Operator for the Rowland Water District. 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 capital improvement projects.

Project Experience

Permeable Alley Project Specification No. 3954

CITY OF GLENDALE | GLENDALE, CA

Construction Inspector. Mr. Warren provided construction inspection services for the City's Permeable Alley Project Specification No. 3954. This project included the demolition and reconstruction of existing AC paving; construction of permeable concrete gutters; and installation of 14 drywells and 11 bioswales in and around 28 alleys at various locations throughout the City.

Bastanchury Road Widening

CITY OF YORBA LINDA | YORBA LINDA, CA

Construction Inspector. Mr. Warren provided construction inspection services for the Bastanchury Road Widening project between Casa Loma Avenue and Eureka Avenue. The scope of work included 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. NV5 also provided construction management, inspection, materials testing/deputy inspection, and labor compliance services for the project, as well as on-site welding inspection of a water line. Project considerations included coordination with an adjacent tract home development that was undergoing construction improvements; coordination with the Yorba Linda Water District; and coordination with utilities for relocations that would be made before the road widening.

Fullerton Road Grade Separation

AECOM (CITY OF INDUSTRY AND COUNTY OF LOS ANGELES) | INDUSTRY, CA

Construction Inspector. Mr. Warren provided construction inspection services for the sewer lift station portion of the \$223.7M Fullerton Road Grade Separation. Mr. Warren inspected the construction of the sewer lift station's wet well's mechanical and CMU Electrical Control Building and Appurtenances. The Fullerton Road Grade Separation Project lowered Fullerton Road under the existing Union Pacific railroad tracks in the City of Industry and unincorporated Los Angeles County, between Rowland Street and State Route 60 (SR-60). Plans included constructing a six-lane roadway underpass on Fullerton Road, four-track railroad bridge and bridge for Railroad Street spanning Fullerton Road. Gale Avenue would be lowered at the intersection with Fullerton Road.



RESUMES

EXPERIENCE

40 years

EDUCATION

Courses in
Water Distribution and
Water Treatment

LICENSES/CERTIFICATES

CA Water Distribution
Operator, D2

OSHA 30-hour Training for
Construction

T-lock Welding (Ameron)

Storm Water Pollution
Prevention Plan (SWPPP)
Training

Confined Space Training

NASSCO certified

JOHN L. MARTIN, JR.

Alternate Construction Inspector

Mr. Martin is a construction professional with 40 years of experience with a variety of public works projects. His experience includes trenchless technologies as well as coordinating projects with public and private stakeholders. He is well-versed on jack-and-bore reconstruction techniques, and installation of water transmission lines, distribution pipelines and wastewater lines. He also has experience as a certified water distribution operator (D2).

Project Experience

James A. Musick Prison

COUNTY OF ORANGE | IRVINE, CA

Construction Inspector. Mr. Martin provided construction inspection services for water, sewer and storm drain infrastructure for a new 324,000-square-foot county jail in Orange County.

Sewer/Water Main Project

WALLACE & ASSOCIATES | CORONA, CA

Construction Inspector. Mr. Martin provided construction inspection services for the installation of 5,000 feet of SDR 35 sewer main and 5,000 feet of C900 water main, as well as the installation of 6-inch fire hydrants.

PFAS Treatment System

CITY OF ORANGE | ORANGE, CA

Construction Inspector. Mr. Martin provided construction inspection services for the City of Orange/Orange County Water District PFAS Treatment System's wells No. 20, 21, and 22.

Talbert Barrier West End Improvement Project

ORANGE COUNTY WATER DISTRICT | ORANGE COUNTY, CA

Construction Inspector. Mr. Martin provided construction inspection services for a project involving two groundwater injection well sites with three wells each, with 2,500 feet of 36-inch DIP injection supply line, and 3,000 feet of 30-inch DIP injection supply line.

Carbon Canyon Dam Sewer and Pump Station Abandonment

This project included construction of 4,970 feet of 24-inch to 42-inch VCP and Fiberglass sewer pipelines using conventional open-cut construction and micro tunneling technologies; demolition of the existing pump station, abandonment of the existing sewer and force mains, and completion of additional earthwork. This project involved coordination with several project stakeholders

N | V | 5

RELEVANT EXPERIENCE

RELEVANT EXPERIENCE

Margarita Recreation Center | City of Temecula: NV5 provided Owner's Representative services for the reconstruction of the Margarita Recreation Center. This Design-Build (DB) project demolished the existing facility and replaced it with a new 8,500-square-foot building and 25-yard outdoor pool. The new facility includes a zero-depth, warm water, wheelchair accessible six-lane pool, dance/fitness studio, classroom, and multi-purpose room. As part of its services, NV5 provided preliminary engineering and geotechnical design, project management, construction management, resident inspection, geotechnical and materials testing and deputy inspection, and environmental and land surveying. In concert with City staff, NV5 prepared the design bridging documents and the DB Request for Proposal and assisted the City with the DB contract Advertising and Award process. NV5's Bridging Documents and Design Guidelines included schematic designs and technical specifications for Architectural, Civil, Geotechnical, Structural, Mechanical and Electrical improvements, as well as a detailed project estimate. It also included an overall CPM schedule covering acquisition of the DB contractor, final design, permitting, construction, post-construction and closeout. NV5 oversaw the design during the various stages to assure that the requirements of the contractual Bridging Documents were met. Finally, our team assisted the City in establishing/developing its policies, procedures, and other necessary documents for all phases of the DB process.

Robinson Park Recreation Center Renovation | City of Pasadena: NV5 provided construction management and inspection services for the renovation of Robinson Park Recreation Center. The \$12.2M project consists of the demolition and reconstruction of the Recreation Center's approximately 9,000-square-foot multipurpose room, administrative offices, commercial kitchen, open courtyard, restrooms, conference rooms, an approximately 4,900-square-foot addition of fitness and dance rooms, storage and common areas, children's playground and an intensive structural seismic upgrade of the Recreation Center's existing 7,300-square-foot gymnasium. The design is fully accessible and includes energy-efficient lighting, technology and security upgrades with new drought-tolerant landscaping.

Lambert Park Improvements | City of El Monte: NV5 provided construction management and inspection services for the Lambert Park Improvements project. The park is approximately 9 acres and is located within a residential neighborhood in the northeastern portion of the City. Improvements include construction of a new CMU concession and restroom building; hardscape, decorative paving, decomposed granite walking and jogging path and play surfacing; landscaping and irrigation; playground and play equipment; exercise areas and equipment; shade structures and miscellaneous site furnishings; site lighting; site drainage; on- and off-site utilities; renovation of an existing maintenance building; new turf for athletic fields (soccer fields and baseball diamonds); and renovation of existing AC parking lot. We also provided observation and testing of soils as well as special inspection of concrete, reinforced masonry and welding. The project included demo of existing timber frame buildings, regrading, and construction of a new reinforced masonry building containing a concession stand, offices, restrooms, and storage. Soft subgrade soils were encountered and stabilized with crushed rock and geofabric.

Drilling & Equipping of New Water Wells North Long Beach 13 & North Long Beach 14 | Long Beach Utilities: As a subconsultant to Wood Rodgers, NV5 is providing Construction Management and Inspection Services for the drilling and equipping of two separate potable water supply wells, Wells North Long Beach 13 & 14, with a design capacity of 2,500 gallons per minute. Located within a City Park, the project requires coordination with residents and management of unhoused individuals. Final well design includes two separate wells housed within a CMU building, with a submersible turbine pump and motor, electrical and SCADA equipment, above and below grade piping, valving and appurtenances, electrical, instrumentation and control, connection to existing water distribution system, testing and disinfection, and site restoration.

Bankfield Sewage Pump Station | City of Culver City: 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.