

**AMENDMENT NO. 1 TO
PROFESSIONAL SERVICES AGREEMENT
CIP 22-04 BAILEY PARK BLVD PROJECT
ARCHITECTURAL AND ENGINEERING SERVICES**

This is Amendment No. 1 ("Amendment No. 1") to that certain Professional Services Agreement ("Agreement") made on **FEBRUARY 16, 2022**, between the City of Menifee ("City") and **NV5, INC.** ("Consultant") for **CIP 22-04 BAILEY PARK BLVD PROJECT ARCHITECTURAL AND ENGINEERING SERVICES** which this Amendment No. 1 is made and entered into on January 4, 2023, ~~2022~~ to modify the scope of services and increase the total compensation amount of the Agreement as indicated below:

1. Capitalized terms used but not defined in this Amendment No. 1 shall have the meanings ascribed to them in the Agreement.
2. Section 2, "Compensation" is amended to increase the maximum compensation by **TWENTY FOUR THOUSAND FOUR HUNDRED TWENTY DOLLARS AND ZERO CENTS** (\$24,420.00), and is amended to read as follows:

Section 2. COMPENSATION.

City hereby agrees to pay Consultant a sum not to exceed **TWO HUNDRED NINETY SEVEN THOUSAND ONE HUNDRED DOLLARS AND ZERO CENTS** (\$297,100.00) notwithstanding any contrary indications that may be contained in Consultant's proposal, for services to be performed and reimbursable costs incurred under this Agreement. In the event of a conflict between this Agreement and Exhibit A, regarding the amount of compensation, this Agreement shall prevail. City shall pay Consultant for services rendered pursuant to this Agreement at the time and in the manner set forth herein. The payments specified below shall be the only payments from City to Consultant for services rendered pursuant to this Agreement. Consultant shall submit all invoices to City in the manner specified herein. Except as specifically authorized in advance by City, Consultant shall not bill City for duplicate services performed by more than one person.

3. Exhibit A, "Scope of Services" is replaced in full by the scope of services in Exhibit A hereto. The initial paragraph of the original Exhibit A, "Scope of Services", to the Agreement is amended to read as follows:

EXHIBIT A

SCOPE OF SERVICES

Consultant shall provide Architectural and Engineering Services in the amount not to exceed **TWO HUNDRED NINETY SEVEN THOUSAND ONE HUNDRED DOLLARS AND ZERO CENTS (\$297,100.00)** as further detailed in the following page(s).

4. All other terms and conditions of the Agreement remain in full force and effect.
5. This Amendment No. 1 may be executed in multiple counterparts, each of which shall be an original and all of which together shall constitute one agreement.

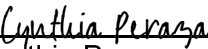
[SIGNATURES ON FOLLOWING PAGE]

CITY OF MENIFEE

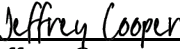
NV5, Inc.

DocuSigned by:

Armando G. Villa, City Manager

DocuSigned by:

Cynthia Peraza

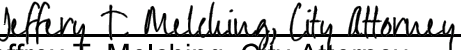
Attest:

DocuSigned by:

Jeffrey Cooper

DocuSigned by:

Kay Vinson, Acting City Clerk

Approved as to Form:

DocuSigned by:

Jeffrey T. Melching, City Attorney

SUPPLEMENT TO SCOPE OF SERVICES (AMENDMENT NO. 1)

Exhibit A, "Scope of Services", to the Agreement is amended to read as follows:

Services shall include Architectural and Engineering Services in the amount not to exceed **TWO HUNDRED NINETY SEVEN THOUSAND ONE HUNDRED DOLLARS AND ZERO CENTS (\$297,100.00)** as further detailed in the following page(s).

EXHIBIT A



November 29 2022

Mr. Carlos E. Geronimo, PE,
Principal Engineer
City of Menifee
29844 Haun Road
Menifee, CA 92586

Subject: Request for Amendment to Contract No. 2022-0190, for Additional Survey and Preparation of a Sewer Study for the Bailey Park Boulevard Project, Menifee, California

Dear Mr. Geronimo:

As per our discussions, it is our understanding that the City of Menifee (City) requires NV5 to provide additional survey services for the extension of the proposed sewer line located approximately 700-feet south of the originally intended termination point on Bailey Park Boulevard and to prepare a sewer study, as required by the utility owner, Eastern Municipal Water District (EMWD), that includes the area anticipated to contribute to the proposed system. Moreover, as a proactive measure, if Alternative 2, connecting the sewer line from North Bailey Park Boulevard to the intersection of Diaz and Scott Road, is selected by EMWD, additional topographic survey will be required. Therefore, we are including the scope and fee for this additional survey as part of this request.

To accommodate these additional services NV5 is requesting that Contract No. 2022-0190 be amended to provide the budget for completion of the requested services, including the additional required survey for design of sewer Alternative 2 through Scott Road.

The following is our detailed scope of work for the requested services for your review and consideration.

SCOPE OF SERVICES

A. Supplemental Survey - Conduct Survey and Topographic Mapping for Bailey Park Boulevard South of Intended Project Termination (See Attachment "X").

1. Perform a field survey extending the topographic limits southerly to the intersection of Bailey Park Road and Ciccotti Street. The survey will include:
 - a. Topographic data for 1" = 20' scale plans.
 - b. Sufficient record monuments to establish the existing Right of Way (ROW).
 - c. Location of planimetric features within the ROW, including:
 - i. Curbs, gutters, and sidewalks
 - ii. Walls and fences
 - iii. Edge of asphalt or concrete roads and driveways
 - iv. Power and telephone poles
 - v. Overhead locations and type of utility
 - vi. Surface appurtenances of underground utilities

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- vii. Type of utility, if known or ascertainable
 - viii. Invert elevations for storm drain and sewer manholes
 - ix. Landscape areas
 - x. Trees over six inches (6") in diameter
2. Merge and extend the topographic mapping and contours (Civil 3D surface) to incorporate the additional survey data
 3. Extend the base mapping to the limits of the additional area
 4. NV5 will perform QA/QC tasks and management at all phases of the project

DELIVERABLE:

- A .PDF of the parcels and easements showing ownership data for the additional properties, if needed along with the supplemental topography.
- Civil 3D 2018 updated CAD files for the EXMA, EXTO and EXTO-3D of the supplemental data.

PROPOSED FEE:

The proposed fee for Item A. is \$8,095.00.

DETAILED FEE:

Supplemental Survey	Senior PM \$225	Assist. Eng. \$145	CAD Tech I \$100	2-Person Survey Crew \$288	Project Admin \$100	Total Hours	Total Cost (\$\$)
1. Project Setup & Research							
1.1 Project Management	2				2	4	\$650.00
Sub-Total	2	0	0			4	\$650.00
2. Field Survey							
2.1 Supplemental Topo	1			10	1	12	\$3,205.00
Sub-Total	1	0	0			12	\$3,205.00
3. Data Processing							
3.1 Field Data Processing	2	4				6	\$1,030.00
3.2 Topo Drafting	2	8	16			26	\$3,210.00
Sub-Total	4	12	16			32	\$4,240.00
TOTAL						48	\$8,095.00

SURVEY EXCLUSIONS:

1. Anything not specifically included in the above scope of work is excluded.
2. Research and plotting of underground utilities from record data is excluded.

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3. Existing centerline or property line monumentation will be surveyed sufficiently to enable determination of the existing street ROW. This proposal assumes sufficient monumentation from record maps can be recovered to allow for ROW mapping. Property lines will be depicted based on record data.
4. This survey scope excludes ROW acquisition support. NV5 can provide legal descriptions and plats for ROW acquisition by separate agreement.
5. For the proposed street improvements, the topographic mapping will be fifty (50) feet on each side of the centerline of Bailey Park Boulevard. Where fences or walls exist on the sides of the street, the survey will include up to the wall or fence. If survey is needed beyond the fence, access will be arranged by the city.
6. Setting of monuments and filing of a Record of Survey map or other survey documents is excluded.
7. The setting or resetting of monuments after construction is excluded.
8. Based on the final improvement design, some monuments may be threatened by the new construction. Monument preservation and corner records are not included in this proposal but can be provided as requested separately.
9. Trees less than six inches in diameter will not be included.

B. Sewer Study

Task 1. Wastewater Flows

NV5 will calculate anticipated sewer flows based on the sewer drainage basin area (acres) and land use that would flow to the proposed sewer main segments for buildout conditions. Average wastewater flow will be calculated based on land uses provided by the City and EMWD wastewater generation factors. Peak wastewater flows will be calculated based on EMWD standards pertaining to estimated Average Dry Weather Flow. NV5 will fill out sewer related sections of EMWD provided Design Conditions Excel spreadsheet.

Fee for Item B Task 1: \$4,574.00

Task 2. Hydraulic Evaluation

Based on average and peak buildout flows calculated in Task 1, NV5 will verify pipeline capacity of the proposed sewer mains. Estimated flows will be determined for each sewer main segment based on tributary areas and loaded at each node and/or manhole. Hydraulic calculations will be developed in Bentley FlowMaster (steady state) for both average and peak flow conditions per segment and presented in tabular format. Pipeline size and capacity will be evaluated based on EMWD design criteria, including peaking factors, the friction coefficient, maximum d/D based on pipe size, and minimum (at average flow) and maximum (at peak flow) velocity. Evaluation of existing sewer mains (upstream or downstream), future sewer mains, or the offsite collection system is not included in this scope of services.

Fee for Item B Task 2: \$3,634.00

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Task 3. Sewer Study Sections (wastewater flow and hydraulic calculations)

The anticipated wastewater flows, design criteria, and hydraulic evaluation results will be presented in a short letter report. An electronic copy of the draft letter report will be delivered to both the City and EMWD for review. NV5 will address comments and prepare a final report. Submittals are assumed to be in electronic format (.pdf).

Fee for Item B Task 3: \$3,582.00

Task 4. Verification of Sewer Elevation

Per the request from EMWD, NV5 will analyze the elevation of the proposed sewer pipeline to verify that the parcels located near Interstate 215, along the east side of Bailey Park Boulevard can connect to the proposed system. The City's Plumbing Code standard of 2% slope will be used for the private laterals (on private property) for this evaluation. We anticipate 4 parcels require verification. The fee for this task includes QA/QC.

Fee for Item B Task 4: \$1,600.00

Task 5. Scott Road Alignment

The Sewer study Letter Report will include sewer alignment alternatives along Scott Road. (No cost is associated with this task since these alignments were previously prepared)

TASK 6. Management and Meetings

NV5 will provide overall project management, which includes supervision of the project engineer, planning and monitoring of contract budget and schedule, and coordination with the City and EMWD. NV5 will also provide quality assurance/quality control to assure work products meet the City's standards.

NV5 will meet with City and/or EMWD via video conference calls to discuss the sewer study and comments on the draft letter report. Up to two meetings are anticipated.

Fee for Item B Task 5: \$2,935.00

Total Proposed Fee for Item B: \$16,325.00**DETAILED FEE:**

Sewer Study Tasks	Associate \$285	Senior Eng. \$185	CAD Tech III \$132	Total Hours	Total Cost (\$\$)
1. Waste Water Flows					
1.1 Land Use coordination	2	1	4	7	\$1,283.00
1.2 Estimate areas per LU type	1	1	8	10	\$1,526.00
1.3 Complete Design Cond. Excel	1	8		9	\$1,765.00
Sub-Total	4	10	12	26	\$4,574.00

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2. Hydraulic Evaluation					
2.1 Flowmaster Calculations	1	2	8	11	\$1,711.00
2.2 Summary Table		2	4	6	\$898.00
2.3 Describe design criteria	1	4		5	\$1,025.00
Sub-Total	2	8	12	22	\$3,634.00
3. Study Section					
3.1 Summarize flow estimates		6		6	\$1,110.00
3.2 Summarize hyd. Calculations		6		6	\$1,110.00
3.3 Figures	2		6	8	\$1,362.00
Sub-Total	2	12	6	20	\$3,582.00
4. Sewer Elevation Verification					
4.1 Verification of Elevations		2	4	6	\$898.00
4.2 QA/QC	2		1	3	\$702.00
Sub-Total	2	2	5	9	\$1,600.00
5. Project Management					
5.1 PM	4			4	\$1,140.00
5.2 QA/QC	3			3	\$855.00
5.3 Meeting	2	2		4	\$940.00
Sub-Total	9	2	0	11	\$2,935.00
TOTAL				79	\$16,325.00

DELIVERABLE:

- Sewer Study Letter Report will include sewer alignment alternatives along Scott Road.
- Draft Sewer Study Letter Report including the wastewater flow and hydraulic calculations and verification results as noted above, for EMWD Comments.
- Final Sewer Study, Incorporating EMWD's Comments and Corrections.

C. Optional Survey - Conduct Survey and Topographic Mapping for Sewer Alternate 2 through Scott Road including the intersection of Scott Road with Diaz Road. (See Attachment "Y")

1. Perform a field survey from the northerly limit of Bailey Park Road through Scott Road up to and including the intersection of the Scott Road with Diaz Road. The survey will include:
 - a. Topographic data for 1" = 20' scale plans.
 - b. Sufficient record monuments to establish the existing Right of way.
 - c. Location of planimetric features within the ROW, including:
 - i. Curbs, gutters, and sidewalks
 - ii. Walls and fences
 - iii. Edge of asphalt or concrete roads and driveways

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- iv. Power and telephone poles
- v. Overhead locations and type of utility
- vi. Surface appurtenances of underground utilities
- vii. Type of utility, if known or ascertainable
- viii. Invert elevations for storm drain and sewer manholes
- ix. Landscape areas
- x. Trees over six inches (6") in diameter
- d. Merge and extend the topographic mapping and contours (Civil 3D surface) to incorporate the additional survey data.
- e. Extend the base mapping to the limits of the additional area.
- f. NV5 will perform QA/QC tasks and management at all phases of the project.

DELIVERABLE:

- Civil 3D 2018 updated CAD files for the EXMA, EXTO and EXTO-3D of the supplemental data.

The proposed fee for Item C. is \$8,130.00

DETAILED FEE:

Optional Survey Survey	Senior PM \$225	Assist. Eng. \$145	Junior Eng. \$132	CAD Tech I \$100	2-Person Crew \$288	Project Admin \$100	Total Hours	Total Cost (\$\$)
1. Project Setup & Research								
1.1 Project Management	2					2	4	\$650.00
Sub-Total	2	0	0	0	0	2	4	\$650.00
2. Field Survey								
2.1 Supplementa l Topo	1				12	1	14	\$3,781.00
Sub-Total	1	0	0	0	12	1	14	\$3,781.00
3. Data Processing								
3.1 Field Data Processing	1	4	2				7	\$1,069.00
3.2 Topo Drafting	2	4		16			22	\$2,630.00
Sub-Total	3	8	2	16	0	0	29	\$3,699.00
TOTAL							47	\$8,130.00

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SCHEDULE:

NV5 anticipates being able to commence with the fieldwork within a week after receiving a Notice to Proceed (NTP). The estimated time for delivery of the data is approximately two to three weeks after receiving the NTP.

The grand total amendment amount requested is (\$8,095.00 + \$16,325.00+\$8,130.00) = **Thirty-Two Thousand and Five Hundred and Fifty dollars (\$32,550.00).**

This proposal is valid for a period of 30 days. Feel free to contact me directly on my cell phone at 760-580-8159 with any questions or comments.

Sincerely,
NV5, Inc.



Darab Bouzarjomehri, PE
Senior Project Manager



Cynthia Peraza, PE
Regional Manager

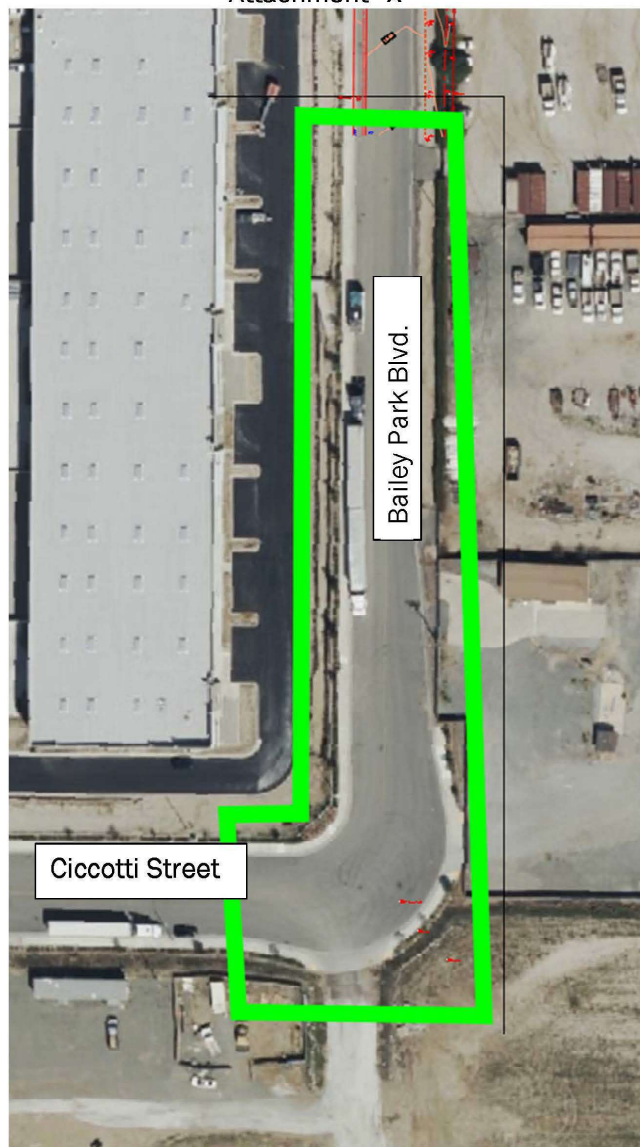
Job No. 227522-0001406.01
Attachments: X and Y

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Attachment "X"



N/V/5

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Attachment "Y"



N/V/5

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