

**PROFESSIONAL SERVICES  
SUPPLEMENTAL AGREEMENT #1  
FOR  
SORENTO WASTEWATER INTERCEPTOR PHASE 2**

**STATE OF TEXAS           §  
  §  
COUNTY OF TRAVIS     §**

This Supplemental Agreement No. 1 to a contract for Professional Services is made by and between the City of Pflugerville, Texas ("City") and CP&Y, Inc. dba STV Infrastructure ("Consultant"). City and Consultant may be referred to herein singularly as "Party" or collectively as the "Parties."

WHEREAS, the City and Consultant executed an Agreement for Professional Services ("Agreement") on the 11<sup>th</sup> day of November 2020 for Engineering Services for the Sorento Wastewater Interceptor Phase 2 ("Project") in the amount of \$754,498.00; and

WHEREAS, the City and Consultant desire to enter into a Supplemental Agreement #1 for Professional Services for the Project in the amount of \$699,307.00, to add Construction Management/Construction Inspection and Construction Materials Testing services to the Agreement; and

WHEREAS, it has become necessary to amend the Agreement to modify the provisions for the Scope of Services, Fee, and Schedule; and

WHEREAS, it is necessary for the City to amend its agreements from time to time to comply with changes in state law relating to contracts of municipalities.

NOW, THEREFORE, premises considered, the City and the Consultant agree that said Agreement is amended as follows:

**I.**

Article III. Scope of Services and Attachment 1 shall be amended as set forth in the attached Addendum to Attachment 1 (Item I. Basic Services and Item IV. Schedule).

Article IV. Compensation to Consultant and Attachment 1, shall be amended by increasing by \$699,307.00 the amount payable under the Agreement for a total of \$1,453,805.00, as shown by the attached Addendum to Attachment 1 (Item V. Fee Schedule).

Article XI. Assignment and Subcontracting shall be amended by adding HVJ Associates as an approved subcontractor.

2.

Except as amended hereby and as previously amended as indicated above, the terms of the Agreement shall remain unchanged and in full force and effect.

**EXECUTED** and **AGREED** to as of the dates indicated below.

**CITY OF  
PFLUGERVILLE**

**CONSULTANT**



\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Signature)

Printed Name: \_\_\_\_\_

Printed Name: Marisa Vergara, PE

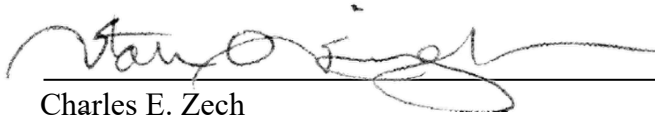
Title: City Manager/Authorized Representative

Title: Senior Vice President

Date: \_\_\_\_\_

Date: 6/10/2025

APPROVED AS TO FORM:



Charles E. Zech

City Attorney

DENTON NAVARRO RODRIGUEZ BERNAL SANTEE & ZECH, P.C.

Stan Springerley, Senior Associate Attorney

**PROFESSIONAL SERVICES  
SUPPLEMENTAL AGREEMENT #1  
FOR  
SORENTO WASTEWATER INTERCEPTOR PHASE 2  
PFLUGERVILLE, TEXAS**

**BACKGROUND**

The City of Pflugerville's (Owner) has retained CP&Y, Inc. dba STV Infrastructure (Consultant) to provide Consulting Services for the Sorento Wastewater Interceptor Phase 2 project (Project).

This Supplemental Agreement includes providing Construction Management and Inspection Services, and providing construction materials testing services during construction of the above-referenced project. Services are based on the attached schedule, which assumes contract times of 360 days to Substantial Completion followed by 45 additional days to Final Completion.

**I. BASIC SERVICES**

**A. Construction Management**

Consultant will act as the City's on-site representative administering the contract for construction and providing overall project documentation and maintaining record of decisions and changes made. Duration of services is as described above and as shown in the attached schedule.

**1. Pre-Construction Support**

- a. Pre-Construction Meeting: Schedule and conduct the pre-construction meeting(s); record and disseminate minutes from pre-construction meeting(s). Provide agenda for meeting(s): Key milestone dates, pay application procedures, schedule, public notification issues and procedures, utility coordination issues, traffic control, permitting, property owner notification and coordination, temporary facilities, contractors' use of selected Project Management program, safety program expectations, risk, and other items as coordinated with the City prior to the meeting.

**2. Construction Administration and Management Services**

- a. Construction Progress Meetings: Schedule and conduct monthly construction progress meetings to review the following: work progress and schedule, outstanding issues, status of submittals and responses shop drawings, unforeseen issues, and changes to the work. Record minutes from construction progress meetings and distribute via the selected Project Management program to: City Project Manager, Design Consultant and Contractor(s) throughout the duration of the project.
  - (i) One meeting per month to include City, Design Consultant, and Contractor.
  - (ii) One meeting per month between CM and contractor(s), City and Design consultant optional.

- b. Coordinate up to 1 additional meeting per month with the contractor to discuss and resolve problems and provide guidance in a timely manner.
  - c. Coordinate up to 1 additional meeting per month with the City to discuss construction concerns/issues ahead of the monthly construction progress meeting.
  - d. Coordinate/monitor installations requiring permits: confirm compliance of construction activities in the vicinity of county roads and existing utility easements with the requirements of the utility permits. Includes record management and as-built drawing verification as needed.
  - e. Attend up to 10 utility coordination, construction, and stakeholder meetings and record actions/decisions made.
3. Document Management and Control
- a. Utilize the selected Project Management software to receive, route, track and log Contractor communications, Submittals, Change Orders, RFIs, Pay Applications and Citizen Complaint/Resolution Log, and permits; communicate with Contractor the status of submittal reviews; review submittal and RFI log in the selected Project Management program to ensure timely responses; notify City Project Manager, Contractor, and Design Consultant of time critical issues.
  - b. Maintain records of decisions, actions, and activities with regards to construction operations using the selected project management software and appropriate tracking logs.
  - c. Assemble and maintain notes, comments, sketches, and supportive data relative to the Project to facilitate the review of drawings and their conformance to the final as-built conditions. Review Contractor's record keeping monthly to ensure completeness, timeliness, and progress.
4. Manage Construction
- a. Provide a part-time, onsite construction management team to represent the City and provide oversight of the project contractor(s) activities.
  - b. Serve as liaison between Owner's project team, design consultant, and construction contractor(s) throughout the construction phase of the Project.
  - c. Manage on-site inspections staff to ensure production work activities are observed and documented.
  - d. As field problems arise, notify/consult with the Design Engineer and City Project Manager of proposed solutions to resolve problems.
  - e. Notify the City Project Manager and Design Consultant of any failure of the Contractor to take measures to repair and bring work into compliance.
  - f. Immediately notify the City Project Manager and Design Consultant in the event of an on-site accident. Ensure Contractor follows emergency response protocols and provides documentation and required by the contract documents.
  - g. Review as-built documents monthly, as part of the pay application review with the contractor(s).
  - h. Monitor and ensure adherence to approved project baseline schedule. Review contractors' schedule(s) monthly, ensure compliance with City's intended

schedule, and provide recommendations as needed to retain and regain schedule if needed.

- i. Recommend alternate project sequencing/scheduling to keep project on schedule.
  - j. Consult with City Project Manager and Design Engineer in advance of scheduled major work operations, tests, inspections or start of important phases of project. Schedule Pre-Activity meetings with appropriate City Staff to document and ensure plan of action identified is maintained and serves to reduce the impact of construction to City operations and is planned and executed accordingly.
  - k. Prepare monthly summary report of construction activities (Construction Activity Reports) with outstanding issues outlined for review. Monthly progress information associated with the project will be submitted to the Project Manager for review, approval, and incorporation into the monthly project status report.
  - l. Advise Owner, Design Consultant, and the Construction Contractor(s) immediately of the commencement of any work requiring a shop drawing or sample submission if the submission has not been accepted by the Engineer.
  - m. Conduct quarterly wage-rate verification interviews to ensure compliance with federal funding requirements.
5. Coordinate Work of Contractor with External Agencies
- a. Coordinate contractor's operations with regards to other City contracts and adjacent construction projects as well as with adjacent occupants and uses, and city functions, property owners for planned service outages, deliveries, parking, street closures, and access control issues to properties including notifications.
  - b. Verify construction conformance with permitted activities such as: City of Pflugerville permits, U.S. Army Corps of Engineers permits, Travis County roadway permits, driveway permits, utility encroachment agreements.
6. Project Schedule
- a. Review contractor's baseline schedule for logic, sequencing, and adherence to project milestones.
  - b. Conduct monthly review of schedule updates as part of the pay application review.
  - c. Coordinate with Contractor to review proposed recovery schedules in the event of project delays.
7. Pay Applications
- a. Review and verify quantities provided by contractor for all work in compliance with contract documents.
  - b. Review work conducted daily on daily inspection reports and material installed measurements submitted by contractor; verify work conducted and bid item quantities via the selected Project Management software; meet monthly to review pay estimate and quantities with contractor.
  - c. Review progress pay application with Design Consultant for approval or revision prior to submittal to City.

- d. Finalize monthly pay application with signatures from Contractor, Design Consultant and City's Construction Manager certifying quantities and amounts via the City's standard documents and Project Management software.
  - e. Notify City Project Manager when all electronic signatures are completed in the selected Project Management software for invoice processing.
  - f. Track and record requests for rain or other delays with potential to add to Contract Time in Daily Reports in the selected Project Management software.
8. Change Orders (up to 3 Change Orders)
- a. Coordinate with Design Consultant to issue requests for proposals in a timely manner via the selected Project Management program. Review RFP and contractor proposal for changes in work with City Project Manager and Design Consultant for approval. Ensure the status of RFP and Responses from Contractor, City and Design Consultant are logged and tracked in the selected Project Management program software.
  - b. Review Design Consultant recommendations on technical matters as an advocate for the City.
  - c. Evaluate Contractor's response/proposal for merit, cost, time, accuracy, and price practicality. Negotiate with Contractor on City's behalf, if requested.
  - d. Prepare Change Order and documentation including signatures of Contractor, Engineer, and Construction Manager for delivery to City.
9. Project Completion and Closeout
- a. Provide list of deliverables for substantial completion walk-through/inspection. Schedule and conduct project walk-through upon receipt of Contractor's notification of substantial completion. Include City Project Manager, Design Consultant and others as directed. Coordinate with Design Consultant on preparation of a list of non-conforming work based on visual inspections and track via the selected Project Management program. Record and monitor contractors' corrective efforts and schedule. Schedule final completion inspection for any remaining corrections.
  - b. Coordinate and obtain Engineer of Record's signature and seal on Substantial Completion certificate and Final Completion and Acceptance certificate via the selected Project Management program. Ensure all documents required for the City's acceptance of the project are obtained and submitted in a timely fashion for the prompt completion of the project.
  - c. Review and forward any Operation and Maintenance documents required from the Contractor to the Engineer of Record and S&C consultant for review. Ensure Contractors' closeout documents are uploaded to the selected Project Management program. Coordinate with the contractor(s) to ensure training required for City staff to operate equipment is scheduled and completed. Review for completeness and accuracy, including affidavits of final payment, final pay estimates, as built records, redlines and drawings. Once received, notify the Design Engineer and City Project Manager when completed.
  - d. Conduct Project Close-Out Meeting.
  - e. Upon completion of the work, prepare a final progress payment including a balancing change order zeroing out all unused quantities utilizing the selected

Project Management program. Identify and reconcile SOV quantities and make approved changes to the Contract Time.

- f. Review and coordinate with Design Consultant to provide Engineer of Record recommendation for Substantial Completion and Final Acceptance. (See Close-out Section)
  - g. Compile contractor(s) redlines, daily logs, RFIs, final approved submittals in an organized file for delivery to City in electronic format.
10. Verona Lift Station Decommissioning
- a. Review of Contractor's decommissioning plan.
  - b. Coordinate up to 1 meeting between the Contractor and City to review the Contractor's decommissioning plan.
  - c. Provide onsite oversight of lift station decommissioning.

B. Construction Observation

Consultant will provide Construction Observation services as described below for an estimated 25 hours per week in accordance with the attached schedule.

- 1. On-site Construction Observations
  - a. Notify the Construction Manager if Contractor's work is not in compliance with the Contract Documents or Specifications.
  - b. Issue Advisory Notices to Contractor for work that is not in compliance with approved construction documents.
  - c. Issue Non-Compliance Reports to Contractor if non-conforming work is not brought into compliance or if plan of action to bring work into compliance is not conducted in a timely manner.
  - d. Inspect and observe the materials and equipment being incorporated into the work to assure that they are handled, stored, and installed in accordance with the Contract Documents and specifications. Report to the Construction Manager regarding these activities.
  - e. Identify, record, and notify Construction Manager of any problems or failures to meet performance requirements in a timely manner to minimize delay in the progress of the project.
  - f. Prepare and maintain daily progress log or daily construction reports, photographs, records, and track quantities installed daily utilizing the City's Project Management software.
  - g. Review and confirm Contractor's quantities included in the monthly pay applications.
  - h. Verify Contractor has obtained necessary permits and is maintaining Traffic Control, public notification and Storm Water Pollution Prevention Plans, facilities, equipment, or arrangements in accordance with the Contract Documents.
  - i. Attend and participate in progress meetings.
  - j. Immediately notify the Construction Manager in the event of an on-site accident. Record and note conditions, activities, and witness to the event.

- k. Consult with the Construction Manager in advance of scheduled major work operations, tests, inspections or start of important phases of project.
- l. Attend Pre-Activity meetings, document and ensure plan of action identified is maintained and serves to reduce the impact of construction to City operations and is planned and executed accordingly.
- m. Population, review, and maintenance of CMT logs.
- n. Provide onsite observation and documentation of final restoration, SWWWP compliance, punch list closeout, demobilization between substantial and final completion.
- o. Provide senior electrical inspector support for lift station decommissioning plan review and associated onsite observations.

C. Construction Materials Testing

- 1. See Scope of Services included in attached proposal from HVJ Associates.
- 2. Consultant will provide general oversight, billings, and management for the activities performed by HVJ Associates.
- 3. Consultant will coordinate with HVJ Associates for project setup, monthly progress and reporting updates, and conflict/issue resolution.
- 4. HVJ Associates shall utilize selected construction management software to upload test reports.
- 5. Consultant will monitor the upload of HVJ Associates' logs to ensure accurate flow and distribution of test reports to the applicable Contractor and Design Consultant.
- 6. Consultant will compile HVJ Associates' test reports in an organized file for delivery to the City in electronic format as part of project closeout.

D. Additional Support

This task includes assisting the Owner as needed throughout the duration of the Agreement with services specific to the Sorento WWI Ph 2, but not explicitly defined in the tasks above. No work under this task will commence unless requested in writing from the Owner.

- 1. Consultant will assist the Owner with tasks related to the Sorento WWI Ph 2 not otherwise identified in the above scope items, as specifically requested by the Owner in writing. Such tasks may include, but are not limited to, additional meetings, coordination with neighboring Cities, general support services, and tasks related to unforeseen circumstances.
- 2. Environmental support for TWDB and/or EPA requirements.
- 3. Warranty Period Support
  - a. Schedule, arrange and coordinate a One-Year walk-through of the project to review status of the work 30 day prior to expiration of the One-Year Warranty period.
  - b. Provide staff to conduct and participate in the warranty inspections.
  - c. Coordinate with Design Consultant to prepare list of non-conforming work for presentation to the City Project Manager, Design Consultant and Contractor via the selected Project Management software program.
  - d. Coordinate repairs of non-conforming work with Contractor.

- e. Submit final report on completed warranty repairs via the selected Project Management software program.

E. Assumptions:

1. Assumes a 14-month construction duration with 1 additional month close-out phase
2. Assumes a single pipeline installation heading.
3. Construction observations will be performed on a part- time basis not to exceed an average of 25 hours per week for the duration of the project.
4. Construction Contractor(s) responsible for coordinating with the City's 3<sup>rd</sup> party Construction Materials Testing lab and notifying the CMCI team when the testing activities will take place.
5. City shall compensate Consultant for all testing incurred, and any repayment to the City required by the Contract documents for retesting or other tests deemed unsatisfactory shall be separately coordinated between the Contractor and City.
6. Any additional assistance associated with litigation, mediation, arbitration, dispute review boards, or other legal and/or administration proceedings between the Owner and other entities associated with the project are not included in this contract but can be provided as an Additional Service at the Owner's request.
7. The Construction Manager and Engineer of Record will be responsible for reviewing materials test reports and determining acceptance based on the test results.

## II. OWNER'S RESPONSIBILITIES

- A. The following items are not included in the Consultant's scope. The Owner will do the following in a timely manner so as not to delay the services of the Consultant and will bear all costs incident thereto.
1. Owner will provide the Consultant with all criteria and full information as to the Owner's requirements for the Project, including study objectives and constraints, space, capacity and performance requirements, flexibility, and expandability, and any budgetary limitations; and furnish copies of all design and construction standards which the Owner will require to be included in the Drawings and Specifications; and furnish copies of the Owner's standard forms, conditions, and related documents, when applicable.
  2. Owner will give prompt written notice to Consultant whenever the Owner observes or otherwise becomes aware of any development that affects the scope or time of performance of Consultant's services, or any defect or nonconformance in Consultant's services or in the work of any Contractor.
  3. Owner will arrange for legal access for Consultant to enter upon public and private property as required for Consultant to perform services under the Agreement.
  4. Owner will examine all alternate solutions, studies, reports, sketches, drawings, specifications, proposals, and other documents presented by Consultant (including obtaining advice of an attorney, insurance counselor, and other advisors or

consultants as Owner deems appropriate with respect to such examination) and render in writing timely decisions pertaining thereto. Written review comments are to be delivered to the Consultant within fourteen (14) calendar days after receipt of each submittal, or as otherwise stated in the documents.

5. Owner will advise Consultant of the general description of services of any independent consultants employed by Owner to perform or furnish services related to the Project.
6. Owner will pay any permit application fees associated with the project. Owner will sign permits, and all permits will be under the Owner's name.

### **III. SCHEDULE**

- A. See attached (SCHEDULE)

The duration and activities in this PSSA will follow the Construction Phase as outlined in the attached schedule.

### **IV. FEE SCHEDULE**

- A. See attached. (FEE SCHEDULE)

Work performed by STV will be paid on a Lump Sum basis as percent complete of services completed. Construction Materials Testing work performed by HVJ Associates will be on a time and materials basis for actual testing services performed during the construction of the project. A 10% contingency has been added to the attached proposal from HVJ to account for additional testing if needed for this project. Unused materials testing budget will be returned to the City upon completion of the project.

| City of Pflugerville<br>Sorento WWI Phase 2<br>PSSA #1 Construction Management/Construction Inspection and Construction Materials Testing |   |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
|---|---|-----------------|-----------------|--------------------|----------|----------------------|----------------------|--------------|-----------|---------------|-------------------|-------------------|--------------------------|-------------|---------------|
| FEE SCHEDULE  |   |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| Project Phase   | Task Description                                    | Project Manager | Senior Controls | Project Controls I | Admin    | Sr. Environ. Planner | Construction Manager | Assistant CM | Inspector | Sr. Inspector | Total Labor Hours | Total Labor Costs | Subconsultant Cost (HVJ) | Markup      | Total Costs   |
|   |   | \$ 265.00       | \$ 180.00       | \$ 125.00          | \$ 85.00 | \$ 175.00            | \$ 185.00            | \$145.00     | \$135.00  | \$155.00      |                   |                   |                          |             |               |
| I. BASIC SERVICES   |   |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| A   | Construction Management                             |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| 1   | Pre-Construction Support                            |                 | 2               | 4                  | 4        |                      | 8                    | 8            |           |               | 26                | \$ 3,840.00       |                          |             | \$ 3,840.00   |
| 2   | Construction Administration and Management Services |                 | 85              | 160                |          |                      | 72                   | 104          | 53        |               | 474               | \$ 70,855.00      |                          |             | \$ 70,855.00  |
| 3   | Document Management and Control                     |                 | 65              | 325                |          |                      | 65                   | 130          |           |               | 585               | \$ 83,200.00      |                          |             | \$ 83,200.00  |
| 4   | Manage Construction                                 |                 |                 | 40                 |          |                      | 163                  | 325          |           |               | 528               | \$ 82,187.50      |                          |             | \$ 82,187.50  |
| 5   | Coordinate work with external agencies              |                 |                 |                    |          |                      | 15                   | 15           |           |               | 30                | \$ 4,950.00       |                          |             | \$ 4,950.00   |
| 6   | Project Schedule Reviews                            |                 |                 |                    |          |                      | 15                   | 15           |           |               | 30                | \$ 4,950.00       |                          |             | \$ 4,950.00   |
| 7   | Pay Applications                                    |                 |                 |                    |          |                      | 15                   | 23           | 15        |               | 53                | \$ 8,062.50       |                          |             | \$ 8,062.50   |
| 8   | Change orders                                       |                 |                 |                    |          |                      | 12                   | 12           | 3         |               | 27                | \$ 4,365.00       |                          |             | \$ 4,365.00   |
| 9   | Project Completion and Closeout                     |                 | 24              | 32                 | 32       |                      | 20                   | 20           |           |               | 128               | \$ 17,640.00      |                          |             | \$ 17,640.00  |
| 10  | Verona Lift Station Decommissioning                 |                 |                 |                    |          |                      | 12                   | 12           | 3         |               | 27                | \$ 4,365.00       |                          |             | \$ 4,365.00   |
|   |   |                 |                 |                    |          |                      |                      |              |           | TASK A TOTALS | 1,907             | \$ 284,415.00     | \$ -                     | \$ -        | \$ 284,415.00 |
|   |   |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| B   | Construction Observations                           |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| 1   | Construction Observation Team                       |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| a   | On-site Construction Observations                   |                 |                 |                    |          |                      | 104                  | 130          | 1,400     |               | 1,634             | \$ 227,090.00     |                          |             | \$ 227,090.00 |
| b   | Specialty Inspections                               |                 |                 |                    |          |                      | 40                   |              |           | 20            | 60                | \$ 10,500.00      |                          |             | \$ 10,500.00  |
|   |   |                 |                 |                    |          |                      |                      |              |           | TASK B TOTALS | 1694              | \$ 237,590.00     | \$ -                     | \$ -        | \$ 237,590.00 |
|   |   |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| C   | Construction Materials Testing (by HVJ)             |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| 1   | Construction Materials Testing                      | 8               |                 |                    | 16       |                      | 40                   | 24           |           |               |                   | \$ 14,360.00      | \$ 58,249.00             | \$ 2,913.00 | \$ 75,522.00  |
| 2   | Document Management and Control                     |                 | 20              | 20                 |          |                      |                      |              |           |               | 40                | \$ 6,100.00       |                          |             | \$ 6,100.00   |
|   |   |                 |                 |                    |          |                      |                      |              |           | TASK C TOTALS | 40                | \$ 20,460.00      | \$ 58,249.00             | \$ 2,913.00 | \$ 81,622.00  |
|   |   |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
|   | EXPENSES  |                 |                 |                    |          |                      |                      |              |           |               |                   | \$ 21,250.00      |                          |             | \$ 21,250.00  |
|   | BASIC SERVICES TOTAL                                | 8               | 196             | 581                | 52       | 0                    | 581                  | 818          | 1,474     | 20            | 3641              | \$ 563,715.00     | \$ 58,249.00             | \$ 2,913.00 | \$ 624,877.00 |
|   |   |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| D   | Additional Support - if approved in writing         |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
| 1   | Additional Support Services Upon City Request       |                 |                 |                    |          |                      |                      |              |           |               |                   | \$ 20,000.00      |                          |             | \$ 20,000.00  |
| 2   | Environmental Support                               |                 | 16              |                    |          | 80                   | 20                   | 20           |           |               |                   | \$ 23,480.00      |                          |             | \$ 23,480.00  |
| 3   | Warranty Support                                    | 10              | 10              | 20                 |          |                      | 40                   | 40           | 80        |               |                   | \$ 30,950.00      |                          |             | \$ 30,950.00  |
|   |   |                 |                 |                    |          |                      |                      |              |           | TASK D TOTALS |                   | \$ 74,430.00      | \$ -                     | \$ -        | \$ 74,430.00  |
|   |   |                 |                 |                    |          |                      |                      |              |           |               |                   |                   |                          |             |               |
|   | GRAND TOTAL   | 18              | 222             | 601                | 52       | 80                   | 641                  | 878          | 1,554     | 20            | 3641              | \$ 638,145.00     | \$ 58,249.00             | \$ 2,913.00 | \$ 699,307.00 |

| City of Pflugerville<br>Sorento WWI Ph 2 - CMCI<br>PSSA #1<br>Schedule  |   |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|---|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Task  | CMCI Tasks <sup>1</sup>                                     | 2025 |     |     |     |     |     |     |     |     |     | 2026 |     |     |     |     |     |     |     |     |     |     |     |
|   |   | MAR  | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | JAN  | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| A   | Construction Management                                     |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|   |   |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| B   | Construction Observations                                   |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|   | Construction Observations Phase 1 - Early Work & Submittals |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|   | Construction Observations Phase 2 -Tunnels and Clearing     |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|   | Construction Observations Phase 3 -Pipe Delivery & Install  |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|   | Construction Observations Phase 4 - Substantial completion  |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|   | Final Completion  |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|   | Closeout  |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
|   |   |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |
| <div><div>KEY</div><div><div></div> Task</div><div><div></div> Sub-Task</div><div><div></div> Milestone/Phase Submittal</div></div> <p><sup>1</sup>CMCI tasks estimated start, finish and durations are based off of the estimated construction schedule developed by STV. Baseline project schedule developed by the Contractor will impact the start, finish and durations for the associated CMCI tasks.</p> |   |      |     |     |     |     |     |     |     |     |     |      |     |     |     |     |     |     |     |     |     |     |     |

**City of Pflugerville**  
**Sorento Wastewater Interceptor Phase 2 - CMCI and CMT**  
**PSSA #1**

**Expenses**

| Expense Item                                   | Unit | Unit Cost   | Amount | Total Cost          |
|--|------|-------------|--------|---------------------|
| Part Time Pick-up Truck for Field Observations | MO   | \$ 1,250.00 | 15     | \$ 18,750.00        |
| Senior inspector travel                        | each | \$ 500.00   | 4      | \$ 2,000.00         |
| Print Plans and Specifications                 | LS   | \$ 500.00   | 1      | \$ 500.00           |
|  |      |             |        | \$ -                |
|  |      |             |        | \$ -                |
|  |      |             |        | \$ -                |
|  |      |             |        | \$ -                |
|  |      |             |        | \$ -                |
|  |      |             |        |                     |
| <b>TOTAL DIRECT EXPENSES</b>                   |      |             |        | <b>\$ 21,250.00</b> |



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May 29, 2025

Mr. Wes Woods  
Construction Manager  
Water Group  
STV

Re: Proposal for Construction Materials Engineering and Testing (CMT) Services  
City of Pflugerville – Sorrento Wastewater Interceptor Phase 2  
HVJ SCTX Proposal No. ACT250245

Dear Mr. Wes,

HVJ South Central Texas – M&J, Inc. (HVJ SCTX) appreciates the opportunity to submit this proposal for providing construction materials engineering and testing services for the above referenced project.

### **Project Description**

It is our understanding that the project includes Construction of Approximately 2,635 Linear feet of 18-inch and 8,322 Linear feet of 36-inch wastewater pipelines, installed using open cut and trenchless methods. Includes, Soil trench excavation and Backfilling. Additionally, the project involves rebars in some concrete sections, concrete manholes, Sidewalks, Retards and coupling collar. Asphalt improvements is also seen.

### **Scope of Services**

The specific construction materials testing services and laboratory tests for this project are as follows:

- Soils Lab and Field Testing
- Concrete, Grout for Lab and Field Testing
- Rebar observations
- Asphalt bag sample testing and coring.

### **Assumptions**

The following assumptions were used in the preparation of this proposal:

- Only lab cured cylinders are included in the proposed budget. If companion field cured samples are required, budget will need to be revised.
- If a curing box is necessary, the contractor will provide.
- Failing tests that require a retest were not budgeted and will be considered additional services.
- Submittal review and meetings are not included in our proposal.

### **Budget Summary**

This section of the proposal is our Time and Material Estimate for our CoMET services. We will not perform any work outside the scope of work identified in this proposal without your prior authorization. We

City of Pflugerville – Sorrento Wastewater Interceptor Phase 2  
ACT250245  
May 29, 2025

will set up a budget summary and follow the expenses throughout the construction proceedings. Services on an hourly basis and will be invoiced monthly, at the rates included in the proposal.

Our estimated cost to perform this work is **\$52,953.00**. Our cost estimate is based on construction plans provided by the client. As the schedule and frequency of requests are beyond our control, we cannot guarantee that the estimate provided would be adequate to provide the services needed throughout the entire duration of construction.

Scheduling of our personnel for this project will be at the request of you or your designated representatives. We require at least 24 hours' notice prior to providing on-call personnel to ensure proper scheduling of work.

Services will be invoiced on a unit basis in accordance with the attached Itemized Breakdown. Services not anticipated at this time will be invoices based on the Current rates. Invoice for our services are presented on monthly basis and will be due upon receipt.

HVJ South Central Texas is pleased to be of service on this project. Should you have any questions regarding the contents of this proposal, please contact us at 512-447-9081.

Sincerely,

**HVJ South Central Texas – M&J, Inc.**

A handwritten signature in blue ink, appearing to read 'Aghahadi'.

Mohammad Aghahadi, PE  
Department Manager

Attachments:

HVJ Cost Estimate Breakdown

**CONSTRUCTION MATERIALS ENGINEERING AND TESTING - ITEMIZED SERVICES**

| QTY.   | UNIT | SERVICES  | UNIT PRICE | TOTAL        |
|--|------|---|------------|--------------|
| <b>SOIL TEST</b>                             |      |   |            |              |
| <u>Field Services</u>                        |      |   |            |              |
| 176  | Hour | Soil Technician (Assume 44 trips @ 4 hrs per trip)                          | \$ 84.00   | \$ 14,784.00 |
| 18   | Hour | Soil Technician for sampling and pickup (6 trips @ 3 hrs per trip)          | \$ 84.00   | \$ 1,512.00  |
| 50   | Each | Vehicle Charge (44+6 trips)   | \$ 40.00   | \$ 2,000.00  |
| 44   | Each | Nuclear Gauge   | \$ 55.00   | \$ 2,420.00  |
|  |      | Subtotal  | \$         | 20,716.00    |
| <u>Laboratory Services</u>                   |      |   |            |              |
| 6  | Each | Sieve Analysis (Tex-110E)   | \$ 150.00  | \$ 900.00    |
| 6  | Each | Liquid Limit (Tex-104E)   | \$ 62.00   | \$ 372.00    |
| 6  | Each | Plastic Limit (Tex-105E)  | \$ 62.00   | \$ 372.00    |
| 6  | Each | Plasticity Index (Tex-106E)   | \$ 20.00   | \$ 120.00    |
| 4  | Each | Moisture/Density Relationship (Tex 114-E)                                   | \$ 300.00  | \$ 1,200.00  |
| 4  | Each | Moisture/Density Relationship (Tex 113-E)                                   | \$ 330.00  | \$ 1,320.00  |
|  |      | Subtotal  | \$         | 4,284.00     |
| <b>SOIL TEST</b>                             |      |   | \$         | 25,000.00    |
| <b>CONCRETE TEST</b>                         |      |   |            |              |
| <u>Field Services</u>                        |      |   |            |              |
| 48   | Hour | Concrete Technician (Assume 12 trips @ 4 hrs per trip)                      | \$ 84.00   | \$ 4,032.00  |
| 16   | Hour | Technician for Grout testing (Assume 4 trips @ 4 hrs per trip)              | \$ 84.00   | \$ 1,344.00  |
| 48   | Hour | Concrete Technician for Cyl pickup (Assume 12+4 trips @ 3 hrs per trip)     | \$ 84.00   | \$ 4,032.00  |
| 30   | Hour | Technician time for Rebar observation (Assume 5 trips @ 6 hrs per trip)     | \$ 84.00   | \$ 2,520.00  |
| 37   | Each | Vehicle Charge (12+4+16+5 trips )   | \$ 40.00   | \$ 1,480.00  |
|  |      | Subtotal  | \$         | 13,408.00    |
| <u>Laboratory Services</u>                   |      |   |            |              |
| 96   | Each | Concrete Cylinders  | \$ 40.00   | \$ 3,840.00  |
|  |      | Subtotal  | \$         | 3,840.00     |
| <b>CONCRETE TEST</b>                         |      |   | \$         | 17,248.00    |
| <b>ASPHALT TEST</b>                          |      |   |            |              |
| <u>Field Services</u>                        |      |   |            |              |
| 6  | Hour | Field Tech Time for 1B observations (Assume 1 trip @ 6 hours per trip)      | \$ 84.00   | \$ 504.00    |
| 1  | Each | Sieve Analysis of Fine and Coarse Aggregate Tex-200 F                       | \$ 150.00  | \$ 150.00    |
| 1  | Each | Bulk Specific Gravity of Compacted Bituminous Mixtures-Tex-207 F (Set of 3) | \$ 210.00  | \$ 210.00    |
| 1  | Each | Molding Test Specimen (Set of 3)  | \$ 160.00  | \$ 160.00    |
| 1  | Each | Determining Asphalt Content by the Ignition Method-Tex-236 F                | \$ 240.00  | \$ 240.00    |
| 1  | Each | Maximum Theoretical Specific Gravity, Rice-Tex-227-F (Bag Sample)           | \$ 135.00  | \$ 135.00    |
| 12   | Inch | Coring, per inch thickness (includes patching and sample prep)              | \$ 30.00   | \$ 360.00    |
| 2  | Each | Specific gravity of Core Sample   | \$ 70.00   | \$ 140.00    |
| 1  | Each | Coring Equipment charge   | \$ 250.00  | \$ 250.00    |
| 2  | Each | Vehicle Charge  | \$ 40.00   | \$ 80.00     |
| <b>ASPHALT TEST</b>                          |      |   | \$         | 2,229.00     |
| <b>PROJECT MANAGEMENT AND ADMINISTRATION</b> |      |   |            |              |
| 14   | Hour | Project Manager, PE   | \$ 179.00  | \$ 2,506.00  |
| 28   | Hour | Staff Engineer, EIT   | \$ 125.00  | \$ 3,500.00  |
| 38   | Hour | Administrative  | \$ 65.00   | \$ 2,470.00  |
|  |      | Subtotal  | \$         | 8,476.00     |
| <b>PROJECT MANAGEMENT AND ADMINISTRATION</b> |      |   | \$         | 8,476.00     |

**TOTAL ESTIMATE: \$ 52,953.00**