



**CITY OF COOPER CITY  
INVITATION FOR BID**

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**CLASS I INJECTION WELL IW-1 MECHANICAL  
INTEGRITY TEST (MIT) - UTILITIES COMPLEX  
IFB2026-1**

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For information, contact the Purchasing Division:

The Purchasing Division

954-434-4300 Ext. # 268

[Purchasing@CooperCity.gov](mailto:Purchasing@CooperCity.gov)

RELEASE DATE: December 26, 2025

RESPONSE DEADLINE: January 13, 2026, 3:00 pm

Please refer to the project timeline in this document for all important deadlines.

## Table Of Contents

- 1. GENERAL TERMS AND CONDITIONS**
  - 1.1. GENERAL TERMS AND CONDITIONS
- 2. ADDITIONAL/SPECIAL TERMS AND CONDITIONS**
  - 2.1. PURPOSE
  - 2.2. TERM OF CONTRACT
  - 2.3. PRE-BID CONFERENCE AND SITE VISIT
  - 2.4. BIDDER REQUIREMENTS
  - 2.5. METHOD OF AWARD
  - 2.6. PRICING
  - 2.7. INVOICES/PAYMENT
  - 2.8. PAYMENT
  - 2.9. INSURANCE
  - 2.10. SPECIAL COVERAGES - INSURANCE
  - 2.11. INDEMNIFICATION
  - 2.12. SUBCONTRACTING
  - 2.13. REQUESTS FOR ADDITIONAL INFORMATION BY CITY
  - 2.14. PURCHASE OF OTHER GOODS AND/OR SERVICES
  - 2.15. AMERICAN DISABILITIES ACT
  - 2.16. PUBLIC ENTITY CRIMES
  - 2.17. SCRUTINIZED COMPANIES FOR ACTIVITIES IN THE IRAM TERRORISM LIST
  - 2.18. EMPLOYEES AND CONTRACTOR(S)
  - 2.19. SECURITY BACKGROUND CHECKS FOR ALL PERSONNEL
  - 2.20. NON-DISCRIMINATION & EQUAL OPPORTUNITY EMPLOYMENT
  - 2.21. LIQUIDATED DAMAGES
  - 2.22. ENVIRONMENTAL PROTECTION
  - 2.23. ACCESS TO PUBLIC RECORDS
  - 2.24. EMPLOYMENT ELIGIBILITY VERIFICATION (E-VERIFY)
  - 2.25. EXAMINATION OF CONTRACT DOCUMENTS AND SITE
  - 2.26. FALIURE TO FURNISH BONDS AND INSURANCE

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

- 2.27. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION
  - 2.28. FOREIGN COUNTRY OF CONCERN AFFIDAVIT
  - 2.29. TAXES
  - 2.30. ANTI-DISCRIMINATION
  - 2.31. DEFAULT
  - 2.32. PERFORMANCE STANDARDS
  - 2.33. DELETION OR MODIFICATION OF SERVICES
  - 2.34. PIGGYBACKING - PURCHASING AGREEMENTS WITH OTHER GOVERNMENT AGENCIES
- 3. SCOPE OF WORK/TECHNICAL SPECIFICATIONS**
- 3.1. SCOPE OF WORK
- 4. SUBMITTAL REQUIREMENTS**
- 4.1. SUBMITTAL FORM
  - 4.2. PRICE SHEET

Attachments:

A - Section 1. General Terms And Conditions

B - IFB2026-1 - Figures

C - ITB2026-1 - Pay Application - AIA-G702-G703

**1. GENERAL TERMS AND CONDITIONS**

**2. ADDITIONAL/SPECIAL TERMS AND CONDITIONS**

**2.1. PURPOSE**

The purpose of this solicitation is to establish a contract for the removal and disposal of existing exterior windows and doors at Cooper City BSO Police Station and to replace them with new impact windows and doors capable of withstanding 210 MPH hurricane winds.

**2.2. TERM OF CONTRACT**

The work shall be substantially completed within sixty (60) calendar days from the issuance of the notice to proceed, but no later than March 23, 2026. Final completion shall be with thirty (30) calendar days of March 23, 2026. within 150 calendar days after the date when the contract time commences (Notice to Proceed) to run as provided in the Contract Documents.

The City reserves the right to extend this contract for up to one hundred eighty (180) calendar days beyond the current contract period and will notify the Contractor in writing of the extension. This Contract may be extended beyond the initial one hundred-eighty (180) day extension period upon mutual agreement between the City and the Awarded Bidder upon approval by the City Commission or designee.

**2.3. PRE-BID CONFERENCE AND SITE VISIT**

The Pre-Bid Conference and Site Visit will be held on Friday, September 26, 2025, at 10:00 AM (Eastern Standard Time) in the Training Room at Cooper City BSO Police Headquarters, located at 10580 Stirling Rd., Cooper City, FL 33026.

Participants will have an opportunity to ask questions at the end of the pre-bid meeting and during the site visit. Bidder(s) are requested to have a copy of the solicitation available for review and reference during the conference. This meeting is exempt from the 'Cone of Silence', allowing for questions to be addressed by representatives from City Staff.

It is highly recommended that Bidders participate in the Pre-Bid Meeting and Site Visit, to become familiar with any conditions which may in any manner affect the work to be done or affect the equipment, materials and labor required prior to submitting an offer. No additional allowances will be made because of lack of knowledge of these conditions. City staff will go over the specifications and what is expected for this Project.

Bidders shall bring sufficient tools (tape measure, laser measure, ladder, step stool, etc.) to measure the windows and doors during the site visit.

Should you need an ADA accommodation to participate in the Pre-Bid Meeting (i.e., materials in alternate format, sign language interpreter, etc.), please contact the City Clerk at least seventy-two (72) hours prior to the scheduled meeting. The City Clerk, Tedra Allen, may be reached by phone at (954) 434-4300 x 291 or via email at: [tallen@coopercity.gov](mailto:tallen@coopercity.gov). TTY users may reach the Clerk's Office by calling the Florida Relay Service at 711.

**2.4. BIDDER REQUIREMENTS**

Bidder must meet the following requirements to be considered for award:

- A. Bidder shall hold a State of Florida Water Well Contractor's License from one of the five (5) state regional water management districts (WMD), pursuant to state statute. Bidder shall submit a copy of its license with their bid submittal.
- B. Bidder shall have successfully performed a minimum of five (5) mechanical integrity testing projects, including packer pressure tests to at least 2,800 feet, as defined in the Florida Administrative Code, Chapter 62-528, within the past five (5) years. Bidder shall list these five projects on the Bidder's Reference Form. References may be verified by the City.

- C. Bidder shall have adequate organization, facilities, equipment, and personnel to ensure prompt and efficient service to the City of Cooper City. The type of Work specified is further described as mechanical integrity testing (MIT) of one Class I Injection Well (IW-1) as defined in the Florida Administrative Code, Chapter 62-528 and the Contract Documents.

The City of Cooper City has the right to investigate and request information concerning the financial condition, experience record, personnel, equipment, facilities, principal business location and organization of the Bidder, the Bidder's record with environmental regulations, and the claims/litigation history of the Bidder.

Failure to meet any of the aforementioned requirements may result in the Bidder being deemed non-responsive.

## **2.5. METHOD OF AWARD**

The resultant Contract will be awarded to the qualified, responsive, responsible Bidder submitting the lowest Bid; unless all bids are rejected. The lowest Bid will include the total sum of all line items on the Bid Price Form. The City reserves the right to award the Contract based on the best interest of the City.

The City reserves the right to negotiate prices with the low bidder, provided that the scope of work of this solicitation remains the same. The City reserves the right to cancel the award without liability to the Bidder, except return of the Bid Guaranty, at any time before the contract is fully executed by the City.

## **2.6. PRICING**

Pricing shall include all costs and expenses for taxes, labor, equipment, materials, commissions, transportation charges and expenses, patent fees and royalties, labor for handling materials during inspection, together with all other costs and expenses for performing and completing the work as shown on the plans and specified herein. The basis of payment for an item at the price shown in the Contract shall be in accordance with its description. Unit adjustment values, where used, will be applied to the actual quantities furnished and installed in conformance with the solicitation documents.

The solicitation pricing for the various scopes of work are intended to establish a total price for completing this contract in its entirety.

Bidder/Proposer warrants, by virtue of bidding, that the bid and prices quoted in the solicitation will be firm for acceptance by the City for a period of one-hundred and twenty (120) days from the bid due date unless otherwise stated herein. Bidder acknowledges that, in certain circumstances, the City may require this amount of time to evaluate and award a bid.

## **2.7. INVOICES/PAYMENT**

This section shall supersede Section 1.31 Invoices. The Awarded Bidder shall invoice the City, as specified in this Solicitation. The invoice date shall not exceed thirty (30) calendar days from the delivery of the items or the provision of Services, unless otherwise noted in the Contract. Under no circumstances shall invoices be submitted to the City in advance of the delivery and acceptance of the items or provision of and acceptance of the Services. Failure to submit invoices in the prescribed manner may delay payment. The Awarded Bidder must timely remit payment to subcontractors and suppliers, if applicable.

Payments to the Contractor shall be made on the basis of the Contract items as full and complete payment for furnishing all materials, labor, tools and equipment, and for performing all operations necessary to complete the work included in the Contract Documents. Such compensation shall also include payments for any loss or damages arising directly or indirectly from the work, or from any discrepancies between the actual quantities of work and those shown in the Contract Documents, or from any unforeseen difficulties which may be encountered during the prosecution of the work until the final acceptance by the City.

Work under this contract will be paid for on a unit price and/or lump sum price basis as outlined in the pricing section. The prices shown in the pricing section shall establish a total price for completing the scope of work in its entirety. Furnish all materials, equipment, transportation, tools, labor, services and supplies, plus any miscellaneous items and services that may not be specifically identified in the Contract Drawings and Specifications but that can be inferred from the Contract Drawings and Specifications and are necessary to produce a completed Work that is usable in a manner for which it was intended. If any goods and/or services required to complete the

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

scope of work are omitted or not shown, the Contractor shall furnish and install them without additional cost to the City. No separate payment will be made for pay items not listed within the pricing section.

The City shall withhold five percent (5%) of each progress payment made to the Contract as retainage. Retainage shall be held by the City until the final inspection is complete. THE AWARDED BIDDER WILL NOT BE PERMITTED TO PICK UP CHECKS FROM THE CITY. ALL CHECKS WILL BE MAILED TO THE VENDOR'S REMIT TO ADDRESS ON FILE.

Invoices shall be emailed to [AccountsPayable@CooperCityFL.org](mailto:AccountsPayable@CooperCityFL.org), or sent via US Mail to City of Cooper City, 9090 SW 50 Place, Cooper City, FL 33328. All invoices shall contain the following information: Awarded Bidder's Information (name of Awarded Bidder as specified in award documents, FEIN), date of invoice, unique invoice number, the applicable contract number, purchase order number and detailed cost breakdown of the work performed.

All payments shall be governed by the Local Government Prompt Payment Act, as set forth in Part VII, Chapter 218, Florida Statutes.

## **2.8. PAYMENT**

The Contractor shall submit a Schedule of Payment Values for review, prior to the Pre-construction Conference, in accordance with Section 01 29 73 – Schedule of Values. The schedule shall contain the installed value of the component parts of Work for the purpose of making progress payments during the construction period.

The schedule shall be given in sufficient detail for the proper identification of Work accomplished. Each item shall include its proportional share of all costs, including the Contractor's overhead, contingencies, and profit. The sum of all scheduled items shall equal the total value of the Contract.

C. The CONTRACTOR shall expand or modify the above schedule and materials listing as required by the ENGINEER's initial or subsequent reviews.

D. Any item for mobilization shall be accompanied by an associated item for demobilization. The value of the demobilization item shall be a minimum of fifty percent of the associated item of mobilization. This requirement applies to, but is not limited to, mobilization and demobilization of the drilling rig and mud system.

## **2.9. INSURANCE**

See Section 1.20 Insurance Requirements of the General Terms and Conditions.

### **2.9.1. Commercial General Liability**

Coverage must be afforded under a Commercial General Liability policy with limits not less than:

- \$1,000,000 each occurrence and \$2,000,000 aggregate for Bodily Injury, Property Damage, and Personal and Advertising Injury
- \$1,000,000 each occurrence and \$2,000,000 aggregate for Products and Completed Operations

Policy must include coverage for contractual liability and independent contractors.

The City, a Florida municipality, its officials, employees, and volunteers are to be included as an additional insured with a CG 20 26 04 13 Additional Insured – Designated Person or Organization Endorsement or similar endorsement providing equal or broader Additional Insured Coverage with respect to liability arising out of activities performed by or on behalf of Contractor. The coverage shall contain no special limitation on the scope of protection afforded to the City, its officials, employees, and volunteers.

### **2.9.2. Business Automobile Liability**

Coverage must be afforded for all Owned, Hired, Scheduled, and Non-Owned vehicles for Bodily Injury and Property Damage in an amount not less than \$1,000,000 combined single limit each accident.

If Contractor does not own vehicles, Contractor shall maintain coverage for Hired and Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Auto Liability policy.

**2.9.3. Workers' Compensation and Employer's Liability**

Coverage must be afforded per Chapter 440, Florida Statutes. Any person or entity performing work for or on behalf of the City must provide Workers' Compensation insurance. Exceptions and exemptions will be allowed by the City's Risk Manager, if they are in accordance with Florida Statute.

Contractor waives, and Contractor shall ensure that Contractor's insurance carrier waives, all subrogation rights against the City, its officials, employees, and volunteers for all losses or damages. The City requires the policy to be endorsed with WC 00 03 13 Waiver of our Right to Recover from Others or equivalent.

Contractor must be in compliance with all applicable State and federal workers' compensation laws, including the U.S. Longshore and Harbor Workers' Compensation Act and the Jones Act, if applicable.

**2.9.4. Insurance Certificate Requirements**

- A. Contractor shall provide the City with valid Certificates of Insurance (binders are unacceptable) no later than ten (10) days prior to the start of work contemplated in this Agreement.
- B. Contractor shall provide to the City a Certificate of Insurance having a thirty (30) day notice of cancellation; ten (10) days' notice if cancellation is for nonpayment of premium.
- C. In the event that the insurer is unable to accommodate the cancellation notice requirement, it shall be the responsibility of Contractor to provide the proper notice. Such notification will be in writing by registered mail, return receipt requested, and addressed to the certificate holder.
- D. In the event the Agreement term or any surviving obligation of Contractor following expiration or early termination of the Agreement goes beyond the expiration date of the insurance policy, Contractor shall provide the City with an updated Certificate of Insurance no later than ten (10) days prior to the expiration of the insurance currently in effect. The City reserves the right to suspend the Agreement until this requirement is met.
- E. The Certificate of Insurance shall indicate whether coverage is provided under a claims-made or occurrence form. If any coverage is provided on a claims-made form, the Certificate of Insurance must show a retroactive date, which shall be the effective date of the initial contract or prior.
- F. The City shall be included as an Additional Insured on all liability policies, with the exception of Workers' Compensation.
- G. The City shall be granted a Waiver of Subrogation on Contractor's Workers' Compensation insurance policy.
- H. The title of the Agreement, Bid/Contract number, event dates, or other identifying reference must be listed on the Certificate of Insurance.

The Certificate Holder should read as follows:

City of Cooper City – Risk Management Office  
9090 SW 50<sup>th</sup> Place  
Cooper City, FL 33328-4227

Contractor has the sole responsibility for all insurance premiums and shall be fully and solely responsible for any costs or expenses as a result of a coverage deductible, co-insurance penalty, or self-insured retention; including any loss not covered because of the application of such deductible, co-insurance penalty, self-insured retention, or coverage exclusion or limitation. Any costs for including the City as an Additional Insured shall be at Contractor's expense.

If Contractor's primary insurance policy/policies do not meet the minimum requirements as set forth in this Agreement, Contractor may provide evidence of an Umbrella/Excess insurance policy to comply with this requirement.

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

Contractor's insurance coverage shall be primary insurance in respect to the City's interests for this Agreement, its officials, employees, and volunteers. Any insurance or self-insurance maintained by the City shall be non-contributory.

Any exclusion or provision in any insurance policy maintained by Contractor that excludes coverage required in this Agreement shall be deemed unacceptable and shall be considered breach of contract.

All required insurance policies must be maintained until the Agreement work has been accepted by the City, or until this Agreement is terminated, whichever is later. Any lapse in coverage may be considered breach of contract. In addition, Contractor must provide to the City confirmation of coverage renewal via an updated certificate of insurance should any policies expire prior to the expiration of this Agreement. The City reserves the right to review, at any time, coverage forms and limits of Contractor's insurance policies.

Contractor shall provide notice of any and all claims, accidents, and any other occurrences associated with this Agreement to Contractor's insurance company or companies and the City's Risk Management office as soon as practical.

It is Contractor's responsibility to ensure that any and all of Contractor's independent contractors and subcontractors comply with these insurance requirements. All coverages for independent contractors and subcontractors shall be subject to all of the applicable requirements stated herein. Any and all deficiencies are the responsibility of Contractor. The City reserves the right to adjust insurance limits from time to time at its discretion with notice to Contractor.

## **2.10. SPECIAL COVERAGES - INSURANCE**

As a condition precedent to the effectiveness of this Agreement, during the term of this Agreement and during any renewal or extension term of this Agreement, Contractor shall, at its sole expense, provide insurance of such types and with such terms and limits pursuant to Section 2.8, Insurance. The Awarded Bidder shall also furnish the following additional specialized coverage:

### Professional Liability

Coverage must be afforded for Wrongful Acts in an amount not less than \$1,000,000 each claim and \$2,000,000 aggregate.

## **2.11. INDEMNIFICATION**

See Section 1.19 of General Terms and Conditions.

## **2.12. SUBCONTRACTING**

As a condition of award, Bidder shall provide a listing which identifies all first-tier subcontractors who will perform any part of the Contract Work and describes the portion of the Work such Subcontractor will perform, and all suppliers who will supply materials for the Contract Work direct to the Bidder and describes the materials to be so supplied. Failure to comply with this policy may result in a firm's submittal being deemed non-responsive. A Bidder or proposer who is awarded the Contract shall not change or substitute first tier Subcontractors or direct suppliers or the portions of the Work to be performed or materials to be supplied from those identified in the listing provided except upon written approval by the City.

Executed contracts with suppliers, and/or subcontractors shall be provided to the City within four (4) days of execution.

Bidders shall ensure that no contractors or subcontractors are debarred or suspended from participating in local, state and federally funded projects.

## **2.13. REQUESTS FOR ADDITIONAL INFORMATION BY CITY**

The proposer shall furnish such additional information as the City may reasonably require. This includes information, which indicates financial resources as well as ability to provide the product(s) and/or services. The City reserves the right to make investigations of the qualifications of the proposer as it deems appropriate, including but not limited to, a background investigation conducted by the Broward Sheriff's Office.

## **2.14. PURCHASE OF OTHER GOODS AND/OR SERVICES**

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

While the City has listed all major goods and/or services within this solicitation which are utilized by City departments in conjunction with their operations, there may be similar goods and/or services that must be purchased by the City during the term of this contract. Under these circumstances, a county representative may at the City sole discretion issue a request for pricing to obtain a price quote for similar goods and/or services. Any additional goods and/or services added shall adhere to the terms and conditions of this solicitation, unless otherwise stipulated on the subsequent request for pricing.

#### **2.15. AMERICAN DISABILITIES ACT**

As a condition of award, provide written certification that the firm is not in violation of the Americans with Disabilities Act of 1990, the Rehabilitation Act of 1973, the Federal Transit Act as amended, the Fair Housing Act as amended, and other laws prohibiting discrimination on the basis of disability. Any post award violation of these Acts may result in the contract being declared void. If any certifying firm or affiliate is found in violation of the acts, the City will conduct no further business with such attesting firm. Any violation of this Resolution may result in debarment.

#### **2.16. PUBLIC ENTITY CRIMES**

Pursuant to Section 287.133 (2) (a) Florida Statutes a person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on this Contract.

#### **2.17. SCRUTINIZED COMPANIES FOR ACTIVITIES IN THE IRAM TERRORISM LIST**

The successful bidder shall submit, as a condition of award, an executed Scrutinized Companies with Activities in the Iran Terrorism Sectors List Affidavit (contained in the Condition of Award Requirements section of the Bid Documents). By executing this affidavit through a duly authorized representative, the bidder certifies that the bidder is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Terrorism Sector List, as those terms are used and defined in sections 287.135 and 215.473 of the Florida Statutes.

#### **2.18. EMPLOYEES AND CONTRACTOR(S)**

All employees and contractors of the Successful Bidder(s) shall be considered to be, at all times, the sole employees or contractors of the Successful Bidder(s) under its sole discretion and not an employee, contractor, or agent of the City. The Successful Bidder(s) shall supply competent and physically capable employees and contractors.

The City may require the Successful Bidder(s) to remove any employee or contractor it deems careless, incompetent, insubordinate, or otherwise objectionable and whose continued performance of the Services is not in the best interest of the City.

The direction and supervision of employees shall be by competent, qualified and sober personnel, and the Successful Bidder(s) shall devote sufficient personnel, time and attention to the direction of the operation to assure performance satisfactory to the City. All Subcontractors, Subconsultants, superintendents, foremen and workmen employed by the Successful Bidder(s) shall be careful and competent. The Successful Bidder(s) shall also provide uniforms and picture I.D. badges to each employee. Employees and Subcontractors of the Successful Bidder(s) shall have and wear proper dress attire at all times. Proper dress attire shall be in accordance with the uniform and equipment outlined in Section 3-5 of this solicitation.

All employees used by the Successful Bidder(s) during the term of the Contract shall be of a standing or affiliation that will permit the Successful Bidder(s) performance to be carried on harmoniously and without delay, and in no case or in any circumstances will such employees cause any disturbance, interference or delay to any Work or Service rendered to the City or by the City and in no case or in any circumstances will the employees conduct themselves negligently, disorderly or dishonestly in the due and proper performance of the employee's duties. The Successful Bidder(s) shall see to it that its employees serve the City in a courteous, helpful and impartial manner. The Successful Bidder(s) shall furnish the City with a current roster of employees.

#### **2.19. SECURITY BACKGROUND CHECKS FOR ALL PERSONNEL**

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

The Successful Bidder(s) shall provide for each owner, key personnel, employee, or contractor a complete, national SECURITY BACKGROUND CHECK. These shall be provided by the Successful Bidder(s) upon issuance of a Notice to Proceed acceptable to the City.

The City will have the exclusive option of determining which personnel may perform Work under the Contract(s). The City may also deem certain personnel suitable to perform Work only at certain City locations or buildings and not others.

Under no circumstance shall the Successful Bidder(s) allow personnel deemed unsuitable by the City to perform Work or substitute for suitable personnel.

## **2.20. NON-DISCRIMINATION & EQUAL OPPORTUNITY EMPLOYMENT**

During the performance of the Agreement, neither Bidder nor any subcontractors shall discriminate against any employee or applicant for employment because of race, religion, color, gender, national origin, sex, age, marital status, political affiliation, familial status, sexual orientation, or disability if qualified. Bidder will take affirmative action to ensure that employees are treated during employment, without regard to their race, religion, color, gender, national origin, sex, age, marital status, political affiliation, familial status, sexual orientation, or disability if qualified. Such actions must include, but not be limited to, the following: employment, promotion, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. Bidder shall agree to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause. Bidder further agrees that Bidder will ensure that subcontractors, if any, will be made aware of and will comply with this nondiscrimination clause.

## **2.21. LIQUIDATED DAMAGES**

Liquidated damages of \$500.00 per day will be deducted from the contract sum for each calendar day, elapsing beyond the specified time for completion without prior approval for an extension from the City.

## **2.22. ENVIRONMENTAL PROTECTION**

The Contractor shall comply with all Federal, state, and local laws and regulations controlling pollution of the environment. It shall take necessary precautions to prevent pollution of streams, lakes, ponds, underground waters, aquifers and reservoirs with fuels, oils, bitumens, chemicals, or other harmful materials and to prevent pollution of the atmosphere from particulate and gaseous matter.

## **2.23. ACCESS TO PUBLIC RECORDS**

The Contractor shall comply with the Public Records Laws of the State of Florida, including but not limited to: (1) keeping and maintaining all public records that ordinarily and necessarily would be required by the City of Cooper City (CITY) in order to perform the service; (2) providing the public with access to public records on the same terms and conditions that the City would provide the records and at a cost that does not exceed the cost provided in Chapter 119, F.S., or as otherwise provided by law; (3) ensuring that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law; and (4) meeting all requirements for retaining public records and transferring, at no cost, to the City all public records in possession of the Contractor upon termination of the contract and destroying any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements upon such transfer. In addition, all records stored electronically must be provided to the City in a format that is compatible with the information technology systems of the City. Failure to meet any of these provisions or to comply with Florida's Public Records Laws as applicable shall be a material breach of the agreement and shall be enforced in accordance with the terms of the agreement.

**IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT (954) 434-4300, [PRR@COOPERCITY.GOV](mailto:PRR@COOPERCITY.GOV), OR BY MAIL: CITY OF COOPER CITY – CITY CLERK'S OFFICE, 9090 SW 50<sup>TH</sup> PLACE, COOPER CITY, FL 33328.**

## **2.24. EMPLOYMENT ELIGIBILITY VERIFICATION (E-VERIFY)**

By entering the Contract, the Contractor becomes obligated to comply with the provisions of Section 448.095, Florida Statute, titled "Verification of Employment Eligibility." This includes but is not limited to utilization of the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of all newly hired employees by the Contractor effective, January 1, 2021, and requiring all Subcontractors to provide an affidavit attesting that the Subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. Failure to comply may lead to termination of this Contractor, or if a Subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than twenty (20) calendar days after the date of termination. If this Contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of one year after the date of termination, and the Contractor may be liable for any additional costs incurred by the City resulting from the termination of the Contract. Public and private employers must enroll in the E-Verify System (<http://www.uscis.gov/e-verify>) and retain the I-9 Forms for inspection.

## **2.25. EXAMINATION OF CONTRACT DOCUMENTS AND SITE**

It shall be the responsibility of the Bidder to examine all the Contract Documents and Project site, to become fully informed of the conditions to be encountered, of the character, quality and quantities of work to be performed and materials to be furnished, and of the operational activities of the City, which activities must be maintained without interference from this Work. Bidders are expected to examine the specifications, delivery schedules, pricing sheets, extensions, and all instructions pertaining to supplies and services. Failure to do so shall be at the Bidder's risk.

The measurements, specifications, records of borings, test excavations and other subsurface investigations, if any, made for design purposes for the City, are contained in the Contract Documents for examination. Such records are offered as information only and solely for the convenience of Bidders. The City does not warrant or guarantee that the said records will disclose the actual subsurface conditions. The Bidder is hereby cautioned that the interpretation of the records and the conclusions drawn therefrom as to the actual existing subsurface conditions are his sole responsibility. The Contractor shall have no claim against the City if, in carrying out the work, it finds that the actual conditions encountered do not conform to those indicated by said measurements, specifications, borings, test excavations, and other subsurface investigations.

The submission of a bid shall be prima facie evidence that the Bidder has examined the Contract Documents and is satisfied as to the conditions to be encountered in performing the Work and as to the requirements of the proposed Contract, Plans and Specifications.

## **2.26. FAILURE TO FURNISH BONDS AND INSURANCE**

Enter text

## **2.27. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

The Contractor shall submit the Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion form to certify that neither it, its principals, nor affiliates are presently debarred, suspended, proposed for debarment, declared ineligible, voluntarily excluded, or disqualified from participation in this transaction by any Federal department or agency.

## **2.28. FOREIGN COUNTRY OF CONCERN AFFIDAVIT**

The Contractor shall submit the Foreign Country of Concern Affidavit acknowledging that the bidder, pursuant to section 287.138, Florida Statutes, governmental entities of the State of Florida are prohibited from entering into, amending, extending, and renewing certain contracts and agreements with foreign countries of concern.

## **2.29. TAXES**

The City is exempt from Federal Excise and State taxes.

## **2.30. ANTI-DISCRIMINATION**

The Proposer certifies that he/she is in compliance with the non-discrimination clause contained in Florida State Statute Section 202, Executive Order 11246, as amended by Executive Order 11375 and applicable laws relative to equal employment opportunity for all persons without regard to race, color, religion, sex or national origin.

## **2.31. DEFAULT**

In the event of default on a contract, the Awarded Bidder shall pay all attorneys' fees and court costs incurred by the City defending any suit or action arising from this solicitation or the resulting agreement, including any costs incurred to collect any liquidated damages. The City further reserves the right to retain any bonds issued with the solicitation.

## **2.32. PERFORMANCE STANDARDS**

If it is determined that the Contractor did not perform the work and/or does not comply with the specifications after inspection has been made by the City's Designee, one of the following actions will be taken, if Contractor has not corrected the deficiencies within 24 hours of notification by City's designee:

- i. The Contractor's invoice will be deducted by the amount Bid/Proposal for the deficient location, OR;
- ii. The Contractor will be billed, or have deducted, the total cost of labor, materials and equipment required for the City or another Contractor to perform the work due.

## **2.33. DELETION OR MODIFICATION OF SERVICES**

The City reserves the right to delete any portion of the scope from the resultant Contract at any time without cause, and if such right is exercised by the City, the total fee may be reduced in the same ratio as the estimated cost of the work deleted bears to the estimated cost of the work originally planned. If work has already been accomplished on the portion of the Contract to be deleted, the Contractor shall be paid for the deleted portion on the basis of the estimated percentage of completion of such portion. If the Contractor and the City agree on modifications or revisions to the task elements, after the City has approved work to begin on a particular task or project, and a budget has been established for that task or project, the Contractor shall submit a revised budget to the City for approval prior to proceeding with the work.

## **2.34. PIGGYBACKING - PURCHASING AGREEMENTS WITH OTHER GOVERNMENT AGENCIES**

It is hereby made part of this solicitation that the submission of any Bid/Proposal response to this advertised request constitutes a bid made under the same or similar terms and conditions, for the same price, or better price, to other government agencies if agreeable by the bidder/proposer and the government agency.

At the option of the vendor/contractor, the use of the contract resulting from this solicitation may be extended to other governmental agencies, including the State of Florida, its agencies, political subdivisions, counties, and cities.

Each governmental agency allowed by the vendor/contractor to use this contract shall do so independently of any other governmental entity. Each agency shall be responsible for its own purchases and shall be liable only for goods or services ordered, received, and accepted. No agency receives any liability by virtue of this Bid/Proposal and subsequent contract award

## **3. SCOPE OF WORK/TECHNICAL SPECIFICATIONS**

### **3.1. SCOPE OF WORK**

#### **3.1.1. SCOPE OF WORK**

Requirement

- A. The Contractor shall perform all Work required for such mechanical integrity testing and monitoring well rehabilitation in accordance with the Contract Documents and subject to the terms and conditions of the Contract, complete and ready for use.

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

The Work to be performed under this Contract shall consist of furnishing and installation of all tools, equipment, materials, supplies, manufactured articles, transportation and services, including fuel, and power, for the performance of all labor, work and/or other operations as required for the fulfillment of the Contract in strict accordance with the Contract Documents. The Work shall be complete, and all work, materials, and services not expressly indicated or called for in the Contract Documents which may be necessary for the complete and proper construction of the Work in good faith shall be provided by the CONTRACTOR as though originally so indicated, at no increase in cost to the CITY.

- B. The CONTRACTOR shall perform all Work required for such mechanical integrity testing and monitoring well rehabilitation in accordance with the Contract Documents and subject to the terms and conditions of the Contract, complete and ready for use.
- C. Well videos prior to commencing the Work shall be at the CONTRACTOR'S discretion, coordinated with the ENGINEER, and at no additional cost to the CITY.
- D. The CITY shall make potable water available for the Work at no cost to the CONTRACTOR, however the CONTRACTOR shall be responsible for supplying all piping, valving and appurtenances necessary, including a water meter acceptable to the CITY.

Location of Work

The work will take place at Cooper City's George A. Haughney Utilities Complex, 11791 SW 49th St, Cooper City, FL 33330.

Hours of Operation

Hours of all normal operations shall be limited to 7 A.M. to 7 P.M., Monday through Friday, excluding federal holidays, unless otherwise authorized by the City.

Work To Be Performed By City Staff

City staff will perform the following in connection with the Work:

Operate all existing valves, gates, pumps, equipment, and appurtenances that will affect City's operation, unless otherwise specified or indicated.

Valves shall only be operated by City personnel. The Contractor's personnel, under no circumstances, shall operate City valves.

Sequence of Work

The principal features of the Work to be performed under this Contract is the demonstration of mechanical integrity of Class I injection well IW-1, in accordance with the requirements of the Florida Administrative Code (FAC) Rule 62-528 and the Florida Department of Environmental Protection (FDEP) Underground Injection Control (UIC) Operation Permit No. 0153012-008-UO/1X.

An overall list of project milestones for this project is as follows:

1. MIT Mobilization
2. Complete Injection Well IW-1 Mechanical Integrity Test Prior to FDEP required completion date of March 23, 2026.
3. MIT Demobilization
4. Project Closeout:
  - a. The Contractor shall complete all final punch list items.
  - b. The Contractor shall complete project closeout in accordance with Close Out Requirements.

c. Final acceptance

Contractor's Use of Site

The Contractor's use of the Site shall be confined to the immediate area around the injection well.

Permits

The Contractor shall obtain all permits required by laws, regulations and governing agencies and shall obtain proof of satisfaction of the conditions of permits prior to commencement of the work and acceptance of the Work by the City.

The Contractor shall fully inform themselves of all local ordinances, State and Federal laws and regulations, and interpretations of these laws, ordinances and regulations by a governmental body or agency, including but not limited to the following:

- o FDEP UIC

The City operates the Class I Injection Well System under FDEP UIC Operation Permit No. 0153012-008-UO/1X., issued August 4, 2021.

**3.1.2. MEASUREMENT**

The quantities for payment under this Contract shall be determined by actual measurement of the completed items, in place, ready for service and accepted by the CITY, in accordance with the Schedule of Payment Values as described in the Schedule of Values. A representative of the Contractor and the Engineer shall witness all field measurements.

Units of measure (UOM) shown on Bid Form shall be as follows, unless specified otherwise. All methods of measurement shall be approved by the City.

UOM Item Method of Measurement

EA Each Field Count

LS Lump Sum Unit is one; no measurement will be made

**3.1.3. SCHEDULE OF PAYMENT VALUES**

The CONTRACTOR shall submit a Schedule of Payment Values for review prior to the Pre-Construction Conference, in accordance with the Schedule of Values. The schedule shall contain the installed value of the component parts of Work for the purpose of making progress payments during the construction period.

The schedule shall be given in sufficient detail for the proper identification of work accomplished. Each item shall include its proportional share of all costs including the Contractor's overhead, contingencies, and profit. The sum of all scheduled items shall equal the total value of the Contract.

The Contractor shall expand or modify the above schedule and materials listing as required by the ENGINEER's initial or subsequent reviews.

Any item for mobilization shall be accompanied by an associated item for demobilization. The value of the demobilization item shall be a minimum of fifty percent (50%) of the associated item of mobilization. This requirement applies to, but is not limited to, mobilization and demobilization of the drilling rig and mud system.

**3.1.4. APPLICATION FOR PAYMENT**

The Awarded Contractor shall submit pay requests, as specified herein, in accordance with the Specifications and with the provisions outlined in this solicitation. Transmittal Summary Form: Attach one Summary Form with detailed Application for Payment and include Request for Payment of Materials. Execute certification by authorized officer of Contractor. Contractor shall use detailed Application for Payment Form provided by the City.

**3.1.5. SCHEDULE OF VALUES**

- A. Administrative Requirements

1. General Requirements

- a. Schedule of Values shall include breakdown of costs for materials and equipment, installation, and other costs used in preparing the Bid by Contractor and each Subcontractor. List purchase and delivery costs for materials and equipment for which Contractor may apply for payment as stored materials.
- b. Include separate amounts for each Specification Section in the Contract Documents by structure, building, and work area.
- c. Identify each line item with number corresponding to the associated Specification Section number. List sub-items of major products or systems, as appropriate or when requested by Engineer.
- d. Include in Schedule of Values unit price payment items with their associated quantity. Provide in the Schedule of Values detailed breakdown of unit prices when required by Engineer.
- e. Include in Schedule of Values itemized list of Work for each major part of the scope, for each payment item specified in Measurement and Payment.
- f. Sum of individual values shown on the Schedule of Values shall equal the total of associated payment item. Sum of payment item totals in the Schedule of Values shall equal the Contract Price.

2. Specific Requirements

- a. Include in each line item a directly proportional amount of Contractor's overhead and profit. Do not include overhead and profit as separate item(s).
- b. Include separate line item for each contingency allowance, and for each unit price item.
- c. Line items for the Work shall be included in the Schedule of Values and proportioned in Applications for Payment throughout duration of the Work.

3. Preliminary Schedule of Values

- a. Submit preliminary Schedule of Values to Engineer for initial review. Contractor shall incorporate Engineer's comments into the Schedule of Values and resubmit to Engineer. Engineer may require corrections and re-submittals until Schedule of Values is acceptable.

**3.1.6. NOTICE TO PROCEED**

Work shall not begin until a notice to proceed (NTP) is issued. Upon the issuance of the NTP, the Contractor will have five (5) business days to mobilize and begin work. All work, include all pressure testing activities and all related testing items required under the resultant contract shall be completed within 60 calendar days after the issuance of the NTP but no later than March 23, 2026. Final completion shall be within 30 calendar days of March 23, 2026, or May 4, 2026. The Contractor shall demobilize, re-test as required and complete of any repairs, restorations or corrective working resulting from testing activities, prior to final completion stage. The total estimated contract time will be 90 calendar days. The City reserves the right, in its sole discretion, to extend the completion date. Time extensions will not be granted for delays.

**3.1.7. PROJECT MEETINGS**

A. Pre-Construction Meeting

1. Purpose of conference is to designate responsible personnel, establish working relationships, discuss preliminary schedules submitted by

Contractor, and review administrative and procedural requirements for the Project. Matters requiring coordination will be discussed and procedures for handling such matters will be established.

2. Date, Time and Location: Conference will be held after execution of the Contract and before Work starts at the Site. Engineer will establish the date, time, and location of conference and notify the interested and involved parties.

B. Progress Meetings

1. Progress meetings will be held throughout the Project, if needed. Contractor shall attend each progress meeting prepared to discuss in detail all items on the agenda.
2. Engineer will preside at progress meetings and will prepare and distribute minutes of progress meetings to all meeting participants and others as requested.
3. Date, Time and Location:
  - a. Meetings will be held on a day and time agreeable to City, Engineer, and Contractor.
  - b. At a location mutually agreed upon by City, Contractor, and Engineer.

**3.1.8. ADMINISTRATIVE REQUIREMENTS**

A. Pre-Construction Meeting

1. Required Attendees:
  - a. Contractor
    - i. Project Manager
    - ii. Site Superintendent
    - iii. Safety Representative
  - b. City
  - c. Engineer
2. Agenda
  - a. Procedural Requirements
    - i. Designation of responsible personnel.
    - ii. Use of Site and City's requirements, including general regards for community relations
    - iii. Delivery of materials and equipment to the Site
    - iv. Safety and first aid procedures
    - v. Security procedures
    - vi. Housekeeping procedures
  - b. Administrative Requirements

- i. Distribution of Contract Documents
- ii. Shop Drawing submittal procedures
- iii. Maintaining record documents at the Site
- iv. Contract modification procedures
- v. Processing Payment Application
- c. Site Mobilization Requirement:
  - i. Working hours, overtime, and holidays
  - ii. Staging areas
  - iii. Temporary facilities and utilities, including usage and coordination
  - iv. Temporary controls, such as sediment and erosion control, noise, dust, storm water, and other measures
  - v. Access to Site, access roads, and parking for construction vehicles
  - vi. Protection of traffic and existing property
  - vii. Security
  - viii. Storage of materials and equipment
  - ix. Site maintenance during the project, including cleaning and removal of trash and debris
  - x. Site restoration
- d. Schedule
  - i. Preliminary construction schedule
  - ii. Critical work sequencing
  - iii. Preliminary Shop Drawing submittal schedule
  - iv. Preliminary Schedule of Values

**3.1.9. PRECONSTRUCTION MEETING SUBMITTALS**

Prior to the preconstruction conference, submit the following preliminary schedules in accordance with the General Conditions:

- A. Initial Progress Schedule
- B. Schedule of Submittals
- C. Schedule of Values

Contractor's Health and Safety Plan, including first aid procedures.

List of emergency contact information.

**3.1.10. CONSTRUCTION PROGRESS SCHEDULE**

A. Summary

1. Section includes detailed requirements and/or procedures for, including but not limited to, the Preliminary Project Schedule, Project Schedule Updates, Project Schedule development, Time Impact Analysis, and Recovery Schedules
2. The Contractor shall develop, revise, and provide all information and input required for the Project Schedule for the performance of the Work in accordance with the requirements of the Contract Documents in general and, in particular, this section. The Progress Schedule shall incorporate the requirements of General Conditions, Supplementary Conditions, and all items specified in this section.
3. Except as otherwise provided herein or elsewhere of the work is the sole responsibility of the Contractor.

B. References

1. Activity: An element of the construction work that has the following specific characteristics: consumes time, consumes resources, has a definable start and finish, is assignable, and is measurable.
2. Constraint: An imposed date on the Progress Schedule or an imposed tie between Activities. The Contract Times are Constraints.
3. CPM Progress Schedule: Computerized Progress Schedule in Critical Path Method (CPM) format which accounts for the entire Work, defines the interrelationships between elements of the Work, reflects the uncompleted Work, and indicates the sequence with which the Work has been completed, indicates the sequence in which uncompleted Work will be completed, and indicates the duration of each Activity.
4. Critical Path: The continuous chain of Activities with the longest duration for completion within the Contract Times.
5. Early Start: The earliest possible date an Activity can start according to the assigned relationships among Activities.
6. Early Finish: The earliest possible date an Activity can finish according to the assigned relationships among the Activities.
7. Late Finish: The latest possible date an Activity can finish without extending the Contract Times.
8. Late Start: The latest possible date an Activity can start without extending the Contract Times.
9. Total Float: The total number of days that an Activity (or chain of Activities) can be delayed without affecting the Contract Times. Total float for each Activity shall be calculated as the difference between Early Finish and Late Finish.
10. Network Diagram: A time-scaled logic diagram depicting the durations and relationships of the Activities.
11. Work Areas, Area, or System: A logical breakdown of the Project elements or a group of Activities which, when collectively assembled, are readily identifiable on the Project (e.g., yard piping, a structure or building, a treatment process, or other logical grouping).

**3.1.11. ADMINISTRATIVE REQUIREMENTS**

A. Initial Progress Schedule

1. Type and Organization of Progress Schedules
  - a. Prepare one Progress Schedule covering the entire Project using Primavera Planner (P6 or newer), or Microsoft Project scheduling software.

- b. Schedule submittals shall include the electronic native file format (i.e., scheduling software file), and a PDF file of the schedule's logic diagram.
  - c. Time Scale: Indicate first date of each work week.
  - d. Activity Designations: Indicate concise description of the Work represented by the activity and related Specification Section number. The Work related to each activity shall be limited to one work trade and one construction area.
2. Submitted PDF files shall be in a Gantt Chart Format and shall show the following:
- a. Activity identification number
  - b. Activity description
  - c. Activity duration (in workdays)
  - d. Start, Early Start, Late Start, Finish, Early Finish, and Late Finish Dates
  - e. Total Float for each Activity
  - f. Critical Path denoted
3. Organization
- a. Clearly indicate the Critical Path on the Progress Schedule. Organize each Work Area sub-schedule by Specification Section number.
4. Contractor shall submit to ENGINEER the Preliminary Progress Schedule within five (5) days after the Contract Times commence running.
- B. Project Schedule Updates:
1. If Initial Project Schedule is delayed, Contractor shall provide a detailed two week "look-ahead" schedule of Work planned, with specific starting and ending dates for each activity, Milestones (if any), and important activities affecting the City, Project, and Site.

**3.1.12. PROJECT SCHEDULE DEVELOPMENT**

- A. The schedule shall cover the entire Contract Time, and the Work shall be scheduled to complete the Project within the Contract Time.
- B. The Schedule's Late Finish Date shall equal the Contract Completion Date.
- C. All activities except for the notice to proceed (NTP) and Final Completion shall have a predecessor and a successor. No open-ended activities will be permitted. Note that NTP shall have a successor, or successors and Final Completion shall have a predecessor or predecessors.
- D. Proposed durations assigned to each activity shall be the CONTRACTOR's best estimate of time required to complete the activity, considering the scope and resources planned for the activity.
- E. The durations of activities shall be expressed in whole working days, with a maximum duration of 20 workdays each, unless otherwise approved or directed by the Engineer or the City. The duration of non-construction activities including mobilization, shop drawings and sample submittals, fabrication of materials and equipment, and delivery of materials and equipment may exceed this limitation.

F. The Schedule shall incorporate in detail all elements of the work contained within this solicitation. Specific elements of the Work to incorporate into the schedule include but are not limited to the following:

1. Notice to Proceed
2. Mobilization and demobilization
3. Submittals. Note that durations for Engineer review time shall be five (5) working days unless specified elsewhere in these Contract Documents.
4. All testing activities for coordination with City operations.
5. Inspection as required by FDEP
6. Site Restoration
7. Substantial Completion
8. Final Completion

**3.1.13. TIME IMPACT ANALYSES**

A. General

1. Prepare and submit a time impact analysis when one or more of the following occurs:
  - a. Change Order proposal is prepared.
  - b. Work Change Directive is issued that will affect the Progress Schedule.
  - c. When delays are experienced.
2. Time impact analysis shall illustrate the influence of each Change Order, Work Change Directive, or delay.
3. Each time impact analysis shall include a sketch (Fragnet) demonstrating how Contractor proposes to incorporate the changes in the Project or, as applicable, delays into the Progress Schedule. Fragnet shall include all logic, and additions required as result of said Change Order, Work Change Directive, or delay.
4. Fragnet shall show all CPM logic revisions for the Work associated with the Change Order, Work Change Directive, or delay and its relationship to other Activities.
5. Timing of Time Impact Analysis:

B. Evaluation by Engineer and Acceptance

1. Engineer's evaluation of each time impact analysis comprised of complete information will be completed in timely manner after Engineer's receipt. Changes in the Contract Times will be made only by Change Order.
2. When mutual agreement is reached between the parties, on effect of the change or delay in the Project, incorporate into the next Progress Schedule and update the associated Fragnets illustrating the influence of changes and delays.

**3.1.14. RECOVERY SCHEDULES**

A. General

1. When updated Progress Schedule indicates that the ability to comply with the Contract Times falls 30 or more days behind schedule, and there is no excusable delay, Change Order, or Work Change Directive to support an extension of

the Contract Times, Contractor shall prepare and submit a Progress Schedule demonstrating Contractor's plan to accelerate the Project to achieve compliance with the Contract Times (i.e., "recovery schedule") for Engineer's acceptance.

2. Submit recovery schedule within 14 days after submittal of updated Progress Schedule where need for recovery schedule is indicated.

B. Implementation of Recovery Schedule

1. At no additional cost to City, Contractor shall do one or more of the following:
  - a. Furnish additional labor and construction equipment
  - b. Employ additional work shifts
  - c. Expedite procurement of materials and equipment to be incorporated into the work.
  - d. Other measures necessary to complete the work within the Contract Times.
2. Upon acceptance of recovery schedule by Engineer, incorporate recovery schedule into the next Progress Schedule update.

- C. Lack of Action: Contractor's refusal, failure or neglect to submit a recovery schedule, shall constitute reasonable evidence that Contractor is not prosecuting the Work or separable part thereof with the diligence that will ensure completion within the Contract Times. Such lack of action shall constitute sufficient basis for City to exercise remedies available to City under the Contract Documents.

**3.1.15. USE OF FLOAT**

Total Float and Contract Float belong to the Project and may be used by City, Engineer, or Contractor to accommodate modifications, regardless of origination, in the work or to mitigate the effect of events that may delay performance or completion of the work.

Changes or delays that influence scheduled work activities with Float and that do not extend the critical path will not be justification for an extension in Contract Times.

**3.1.16. POST AWARD SUBMITTALS**

A. Action/Informational Submittals:

1. Initial Progress Schedules:
  - a. Preliminary Progress Schedule
  - b. Acceptable Progress Schedule (Baseline)
2. Time Impact Analyses: Submit in accordance with this Section.
3. Recovery Schedule: Submit in accordance with this Section.

B. Administrative Requirements

1. Types of Submittals: When type of submittal is not specified in this Section, Engineer will determine type of submittal.
  - a. Action/Informational Submittals:
    - i. Shop Drawings

- ii. Delegated design submittals in accordance with the General Conditions and as modified by the Supplemental Conditions.
  - iii. Testing plans, procedures, and testing limitations.
  - iv. Design data not sealed and signed by a design professional retained by Contractor, Subcontractor, or Supplier.
- b. Quality Assurance Submittals:
- i. Performance affidavits
  - ii. Certificates
  - iii. Source quality control submittals (other than testing plans, procedures, and testing limitations), including results of shop testing.
  - iv. Field or Site quality control submittals (other than testing plans, procedures, and testing limitations), including results of operating and acceptability tests at the Site.
  - v. Supplier reports
  - vi. Special procedure submittals, including health and safety plans and other procedural submittals.
  - vii. Hurricane Preparedness Plan
  - viii. Qualifications statements
- c. Submittal Requirements:
- i. Contractor shall submit electronic copy of submittals for Engineer's review. Acceptable electronic formats are Adobe PDF.
  - ii. Submittal shall be accompanied by letter of transmittal containing date, project title, CONTRACTOR's name, number and title of submittal, list of relevant Specification Sections, notification of deviations from Contract Documents, and other material required for ENGINEER's review.
- d. Scheduling
- i. Provide submittals well in advance of the Work following Engineer's approval or acceptance of the associated submittal. Work covered by a submittal will not be included in progress payments until approval or acceptance of related submittals has been obtained in accordance with the Contract Documents.
  - ii. Submittals shall be provided by Contractor with at least fifteen (15) workdays prior to start of work for review and processing.
- e. Schedule of Submittals
- i. Schedule of Submittals, as specified in this Section:
    - I. Timing:
      - I. Provide submittal within time frames specified in the Contract Documents.
      - II. Indicate the following for each submittal:

- I. Date when submittals are requested and received from Supplier.
  - II. Date when certification is received from Supplier and when submitted to Engineer.
  - III. Date when submittals are submitted to Engineer and returned with disposition from Engineer.
  - IV. Date when submittals are revised by Supplier and submitted to Engineer.
  - V. Date when submittals are returned with "Furnish as Submitted" (FAS) or "Furnish as Corrected" (FAC) disposition from Engineer.
  - VI. Date when approved submittals are returned to Supplier.
  - VII. Date of Supplier scheduled delivery of equipment and material.
  - VIII. Date of actual delivery of equipment and material.
  - IX. Whether submittal will be for a substitution or "equal".
  - X. For submittals for materials or equipment, date by which material or equipment must be at the Site to avoid delaying the Work and to avoid delaying the work of other Contractors.
- III. Prepare Schedule of Submittals using same software, and in same format, specified for Progress Schedules.
  - IV. Coordinate Schedule of Submittals with the Progress Schedule.
  - V. Schedule of Submittals that is not compatible with the Progress Schedule, or that does not indicate submittals on the Project's critical path, or that places extraordinary demands on Engineer for time and resources, is unacceptable. Do not include submittals not required by the Contract Documents.
  - VI. In preparing Schedule of Submittals:
    - I. Considering the nature and complexity of each submittal, allow sufficient time for review and revision.
    - II. Reasonable time shall be allowed for: Engineer's review and processing of submittals, for submittals to be revised and resubmitted, and for returning submittals to Contractor.
    - III. Identify and accordingly schedule submittals that are expected to have long anticipated review times.
  - VII. Closeout Submittals
    - I. Provide the following Closeout Submittals in accordance with the individual Specification Sections, including, but not limited to, the following:
      - I. Maintenance contracts
      - II. Warranty documentation
      - III. Sustainable design closeout documentation

- II. On documents such as maintenance contracts and bonds, include on each document furnished original signature of entity issuing the document.

### **3.1.17. CONTRACTOR'S RESPONSIBILITIES**

Contractor shall review, coordinate, and verify submittals with Subcontractor, Manufacturers, and Suppliers, including field measurements at Site, in accordance with the General Conditions and as modified by Supplemental Conditions prior to submitting material for Engineer's review.

Contractor shall provide Contractor's stamp of approval certifying submittal material has been reviewed and conform to the Contract Documents prior to submitting material for Engineer's review.

Contractor shall provide written notice of deviations or variations that submittal may have with the Contract Documents.

Contractor shall provide bound, dated, labeled, tabulated, and consecutively numbered submittals as specified in the individual Specification Section. Label shall contain the following:

1. Specification Section
2. Referenced Drawing number
3. Subcontractor or Supplier name
4. Type of equipment and/or materials

Contractor shall perform the following after receiving ENGINEER's review disposition:

1. Order, fabricate, or ship equipment and materials included in the submittal (pending Engineer's review of source quality control submittals) with the following disposition:
  - a. "Furnish as Submitted" (FAS)
  - b. "Furnish as Corrected" (FAC)
2. Resubmittal requirements:
  - a. Until Engineer's disposition is either "Furnish as Submitted" (FAS) or "Furnish as Corrected" (FAC).
  - b. Full resubmittal of material with Engineer's disposition of "Revise and Resubmit" (R&R), until Engineer's disposition is "Furnish as Submitted" (FAS), "Furnish as Corrected" (FAC).
  - c. Contractor shall be responsible for Engineer's charges to City if submittals are not approved within the number of specified submittals in accordance with the General Conditions. Engineer's charges shall include, but not limited to, additional review effort, meetings, and conference calls with Contractor, Subcontractor, or Supplier.

### **3.1.18. ENGINEER'S REVIEW**

Engineer's review of the Contractor's submittal shall not relieve Contractor's responsibility under the Contract Document in accordance with the General Conditions and as modified in the Supplemental Conditions. An acceptance of a submittal shall be intended to mean the Engineer does not have specific objection to the submitted material, subject to conformance with the Contract Drawings and Specifications.

Engineer's review of Contractor's submittal shall be confined to general arrangement and compliance with the Contract Documents, and shall not be for the purpose of checking dimensions, weights, clearances, fittings, tolerances, interferences, coordination of Subcontractor work, etc.

Durations for Engineer review time shall be five (5) working days.

Review Dispositions:

1. "Furnish as Submitted" (FAS) – No exceptions are taken.
2. "Furnish as Corrected" (FAC) – Minor corrections are noted for Contractor's correction.
3. "Revise and Resubmit" (R&R) – Corrections are noted and complete resubmittal shall be made. Submittal does not conform to applicable requirements of the Contract Documents and is not acceptable. Revise submittal and re-submit to indicate acceptability and conformance with the Contract Documents.
4. "Receipt Acknowledged" (RA) –
  - a. Information included in submittal conforms to the applicable requirements of the Contract Documents and is acceptable. No further action by Contractor is required relative to this submittal, and the Work covered by the submittal may proceed, and products with submittals with this disposition may be shipped or operated, as applicable.
  - b. Information included in submittal is for Project record purposes and does not require Engineer's review or approval.
5. "Rejected" (R) – Information included in submittal does not conform to the applicable requirements of the Contract Documents and is unacceptable. Contractor shall submit products and materials as specified in the Contract Documents or provide required information for substitution as specified in the Contract Documents for consideration by Engineer.

Electronic Submittal Return to Contractor: Electronic submittals shall be returned electronically with dispositions provided.

**3.1.19. TEMPORARY UTILITIES**

A. Summary

1. Contractor shall provide temporary utilities required for the project and to complete the work.
  - a. Make arrangements and receive required approvals from City for temporary services and temporary utilities.
  - b. Continuously maintain adequate utilities for all purposes during the Project, until removal of temporary utilities and temporary facilities. At minimum, provide and maintain temporary utilities through Substantial Completion.
  - c. Should CITY occupy part of the Project prior to Substantial Completion of the entire Work, cost of utilities consumed via temporary utilities serving the portion occupied by CITY will be shared proportionately between City and Contractor as mutually agreed to by the parties.
  - d. Maintain, including cleaning, temporary utilities and continuously provide consumables as required.
  - e. Temporary utilities and temporary facilities shall be adequate for personnel using the Site and requirements of Project.
  - f. Provide temporary utilities and temporary facilities in compliance with Laws and Regulations and, when applicable, requirements of the City. The Contractor retains responsibility for procuring all necessary permits for the installation of field offices at the locations noted.
2. Provide the following temporary utilities
  - a. Electricity and lighting

- b. Sanitary facilities
- c. Water connections
- d. First-aid facilities
- e. Fire protection

**3.1.20. ADMINISTRATIVE REQUIREMENTS (TEMPORARY UTILITIES)**

Use of CITY's Facilities:

1. Existing Utility Facilities: Do not use facilities in existing buildings or structures for temporary utilities without City's written permission and mutually acceptable basis agreed upon by the parties for proportionate sharing of costs between City and Contractor.
2. City will provide backflow preventers and flow meter for hydrant connection. Contractor shall obtain a utility account and submit \$1,200 deposit for the devices.
3. Use of Permanent Utility Facilities Provided Under the Project:
  - a. Permanent lighting, water, fire protection facilities, and first-aid facilities may be used to provide temporary utilities and temporary facilities if the following are met:
    - i. Obtain City's written permission to use permanent facilities.
    - ii. Permanent facilities to be used for temporary utilities or temporary facilities shall have achieved Substantial Completion, including complete functionality of all controls.
    - iii. Contractor shall pay all costs while using permanent facilities, including operation, maintenance, replacement of consumables, and provide replacement parts.
  - b. Do not use the following permanent facilities
    - i. Telephone and communication facilities
    - ii. Sanitary facilities

**3.1.21. FACILITIES DESCRIPTION (TEMPORARY UTILITIES)**

A. Electricity and lighting:

1. Contractor shall provide electrical and lighting service as required for the Work. The Contractor shall be responsible for all connections and wiring to and from the point of service.

B. Sanitary facilities:

1. Contractor shall provide suitable enclosed chemical or self-contained toilets for Contractor's employees and visitors to the Site. Location of temporary toilets shall be acceptable to City and screened from public observation.
2. Facilities shall be maintained and provided in accordance with State Labor Regulations and local ordinances. Contents shall be removed and disposed of in accordance with local and state regulations; as required.
3. Contractor shall be prohibited from committing nuisances within, on, or in the vicinity of the site.

C. Water Service:

1. Water for flushing and testing will be provided by the City. The Contractor shall provide and maintain all piping, fittings, adapters, and valving, required. The Contractor shall make all necessary connections to existing piping and shall provide all necessary appurtenances at his own expense.
2. All temporary connections and piping installed by the Contractor shall be entirely removed, and all affected improvements shall be restored to their original condition, or better, to the satisfaction of the City and Engineer before final acceptance of the work.

D. First-Aid Facilities

1. Contractor shall provide temporary first-aid stations at or immediately adjacent to the Site's major work areas. Locations of first-aid stations shall be determined by Contractor's safety representative.
2. Contractor shall provide list of emergency telephone numbers. List shall be in accordance with the list of emergency contact information required in Post-Award Submittal Procedures.

E. Fire Protection:

1. Contractor shall comply with NFPA 241, Safeguarding Building Construction, Alteration, and Demolition Operations, and requirements of fire marshals and authorities having jurisdiction at the Site.
2. Contractor shall provide fire extinguishers, hoses and safety devices, as required by authorities having jurisdiction.
3. Contractor shall notify Engineer, City, and fire marshals in the event of fire at the site including, but not limited to, fuel tanks and similar hazardous utilities and devices. Contractor shall cooperate with the City regarding fuel tank(s) and utilities to prevent occurrence of fire or explosion.
4. Contractor shall perform safety precautions and comply with fire marshal's instructions in the event of fire.

**3.1.22. EQUIPMENT (TEMPORARY UTILITIES - EXECUTION)**

Materials and equipment for temporary facilities may be new or used but shall be adequate for purposes intended and shall not create unsafe conditions and shall comply with Laws and Regulations.

Provide required materials, equipment, and facilities, including piping, wiring, and controls.

**3.1.23. INSTALL (TEMPORARY UTILITIES - EXECUTION)**

Install temporary facilities in neat, orderly, manner, and make structurally, mechanically, and electrically sound throughout.

Location of Temporary Utilities and Temporary Facilities:

1. Locate temporary facilities for proper function and service.
2. Temporary facilities shall not interfere with or provide hazards or nuisances to: the Work under this and other contracts, movement of personnel, traffic areas, materials handling, hoisting facilities, storage areas, finishes, and work of utility companies.
3. Do not install temporary utilities on the ground, with the exception of temporary extension cords, hoses, and similar facilities in place for short durations.

Modify and extend temporary facilities as required by progress of the Work.

**3.1.24. MAINTENANCE (TEMPORARY UTILITIES - EXECUTION)**

Maintain temporary facilities to provide safe, continuous service as required.

Properly supervise operation of temporary facilities:

1. Enforce compliance with Laws and Regulations.
2. Enforce safe practices.
3. Prevent abuse of services.
4. Prevent nuisances and hazards caused by temporary facilities and their use.
5. Prevent damage to finishes.
6. Ensure that temporary facilities and equipment do not interrupt continuous progress of construction.

**3.1.25. CLOSEOUT ACTIVITIES**

Completely remove temporary utilities, facilities, equipment, and materials when no longer required. Repair damage caused by temporary facilities and their removal and restore the Site to condition required by the Contract Documents; if restoration of damaged areas is not specified, restore to preconstruction condition.

Contractor is responsible for and shall return to original condition those portions of permanent electric system used in completing the Work.

Where temporary utilities are disconnected from existing utility, provide suitable, watertight or gastight (as applicable) cap or blind flange, as applicable, on service line, in accordance with requirements of the City.

**3.1.26. CONTRACTOR ACCESS AND PARKING**

Contractor shall strictly adhere to plant access requirements, speed limits and plant safety protocol.

Employee parking areas shall be designed and maintained by Contractor and shall be fully passable to the City and emergency vehicles in all weather conditions.

**A. ADMINISTRATIVE REQUIREMENTS**

1. Access Road
  - a. Contractor shall strictly adhere to the plant speed limit for all roadways.
  - b. Vehicles entering or leaving the Utilities Complex are required to check in with guard at the main gate. Contractor shall provide a list of all workers to be entering, including employees and subcontractor employees.
  - c. Contractor shall limit deliveries to the site within daytime hours.
2. Use of Existing Access Roads:
  - a. Contractor will be allowed to use the City's existing roads.
  - b. Prevent interference with traffic on existing roads and parking areas. At all times, keep access roads and entrances serving the Site clear and available to City, City's employees, emergency vehicles, and other Contractors. Do not use access roads or Site entrances for parking or storage of materials or equipment.
  - c. Contractor shall indemnify and hold harmless the City and Engineer from expenses caused by Contractor's operations over existing roads and parking areas.

- d. Schedule deliveries to minimize use of driveways and Site entrances.
  - e. Contractor shall suitably maintain existing access road at Contractor's expense for the duration of the Contract.
3. Parking Areas
- a. Contractor employee vehicles shall park in area(s) designated by City.
4. State and Local Regulations
- a. Contractor shall obey traffic laws and comply with requirements, rules and regulations of the authorized entity (Florida Department of Transportation), including local authorities having jurisdiction, to maintain warning signs, lights, barriers, etc. for the protection of traffic on public roadways.
5. Site Security:
- a. Contractor shall safely guard all the Work, the Project, products, equipment, and property from loss, theft, damage, and vandalism until Substantial Completion. Contractor's duty includes safely guarding City's property in vicinity of the Work and Project, and other private property in the vicinity of the Project from injury and loss in connection with performance of the Project.
  - b. Make no claim against City for damage resulting from trespassing.
  - c. Pay full compensation for, or repair or replace, damage to property of City and others arising from failure to furnish adequate security.
  - d. Security requirements specified in this Section shall begin as soon as the Contractor delivers materials to the Site and/or begins work and shall continue until the date of Final Completion.
6. Procedures:
- a. Contractor shall conform to City's security procedures and access restrictions at Site throughout entire Project.
  - b. Contractor, including Subcontractor and Suppliers, shall comply with the following:
    - i. Parking: Do not park outside of designated Contractor parking area. Prepare and maintain parking area as required. Personal vehicles are not allowed outside Contractor parking area.

### **3.1.27. TEMPORARY CONTROLS**

Contractor shall provide and maintain methods, equipment, and temporary construction as required to control environmental conditions at the Site and adjacent areas.

Maintain controls until no longer required.

Temporary controls include, but are not limited to the following:

1. Dust control
2. Noise controls
3. Pest and rodent control
4. Pollution control

Execution

A. Dust Control

1. Contractor shall take measures to control dust from Contractor's operations on the Utilities Complex roads and public access roads.
2. Contractor shall refer to applicable sections of local and state regulations on dust control for additional guidance.
  - a. Contractor shall apply water at locations, quantities and frequencies required by Engineer to control dust for nuisance prevention to City, Engineer and properties in the vicinity of the site.
  - b. Dust control and cleaning measures shall be provided at no additional cost to the City.
3. Noise Control
  - a. Contractor's vehicles and equipment shall minimize noise emissions to the greatest degree practicable. Provide mufflers, silencers and sound barriers when necessary.
  - b. Noise levels shall comply with Laws and Regulations, including OSHA requirements and local ordinances.
  - c. Noise emission shall not interfere with the work of the City or others.
4. Pest and Rodent Control
  - a. Provide rodent and pest control as required to prevent infestation of the site and storage areas.
  - b. Employ methods and use materials that do not adversely affect conditions at the site or on adjoining properties.
  - c. In accordance with laws and regulations, promptly and properly dispose of pests and rodents trapped or otherwise controlled.
5. Pollution Control
  - a. General:
    - i. Provide means, methods, and facilities required to prevent contamination of soil, water, and atmosphere caused by discharge of noxious substances from construction operations.
    - ii. Equipment used during construction shall comply with Laws and Regulations.
  - a. Spills and Contamination
    - i. Provide equipment and personnel to perform emergency measures required to contain spills and to remove contaminated soils and liquids.
    - ii. Excavate contaminated material and properly dispose of off-site and replace with suitable compacted fill and topsoil.
  - b. Protection of Surface Water: Implement special measures to prevent harmful substances from entering surface waters. Prevent disposal of wastes, effluents, chemicals, and other such substances in or adjacent to surface waters and open drainage routes, in sanitary sewers, or in storm sewers.
  - c. Atmospheric Pollutants:
    - i. Provide systems for controlling atmospheric pollutants related to the Work.
    - ii. Prevent toxic concentrations of chemicals and vapors.

- iii. Prevent harmful dispersal of pollutants into the atmosphere.
- d. Solid Waste
  - i. Provide systems for controlling and managing solid waste related to the work.
  - ii. Prevent solid waste from becoming airborne, and from discharging to surface waters and drainage routes.
  - iii. Properly handle and dispose of solid waste.

### **3.1.28. PROTECTION OF WORK AND PROPERTY**

#### Summary

- A. Section includes:
  - 1. Protection of existing utilities and structures
  - 2. Protection of installed equipment and materials
  - 3. Protection during inclement weather
  - 4. Reporting of accidents
  - 5. Barricades and warning signals
- B. Contractor shall be responsible for taking all precautions, providing all programs and taking all actions necessary to protect the work and all public and private property and facilities from damage, as specified in this solicitation.
- C. To prevent damage, injury, or loss, Contractor's actions shall include the following:
  - 1. Storing apparatus, materials, supplies and equipment in an orderly, safe manner that does not unduly interfere with progress of the work or work of other Contractors or utility companies.
  - 2. Providing suitable storage facilities for equipment and materials subject to damage or degradation by exposure to weather, theft, breakage or other cause.
  - 3. Placing upon the Work or any part thereof only loads consistent with the safety and integrity of that portion of the Work and existing construction.
  - 4. Frequently removing and disposing of refuse, rubbish, scrap materials, and debris caused by CONTRACTOR's operations so that, at all times, the Site is safe, orderly, and workmanlike in appearance.
- D. Contractor has full responsibility for preserving public and private property and facilities on and adjacent to the Site. Direct or indirect damage done by, or on account of, any act, omission, neglect, or misconduct by CONTRACTOR in executing the Work, shall be restored by Contractor, at his expense to condition equal to that existing before damage was done.
- E. Contractor shall comply with safety regulations required by City or authorities having jurisdiction. Contractor shall comply with and correct unsafe conditions created or caused by CONTRACTOR's personnel. In the event CONTRACTOR fails to comply, CITY receives the right to take necessary measures to correct conditions or practices for reimbursement by CONTRACTOR.

#### References

- A. Definitions

1. "Existing utilities" shall refer to both publicly owned and privately-owned utilities such as, but not limited to, electric power and lighting, telephone, water, gas, storm drains, process lines, sanitary sewers and all appurtenant structures.
2. "Surface structures" are existing buildings, structures, and other facilities at or above ground surface, including their foundations or any extension below ground surface. Surface structures include, but are not limited to, buildings, tanks, walls, channels, open drainage, exposed piping and utilities, poles, exposed wires, posts, signs, markers, curbs, walks, fencing, and other facilities visible at or above ground surface.

B. Site Conditions

1. Location of Existing Utilities and Structures:
  - a. Contractor shall confirm and verify location of existing utilities and structures at the Site prior to commencing the Work.
  - b. Contractor shall notify and obtain approval from authority having jurisdiction prior to performing the Work in the vicinity of the existing utilities and structures.

**3.1.29. PROTECTION OF EXISTING UTILITIES AND STRUCTURES (EXECUTION)**

A. General

1. Contractor shall satisfy Engineer that methods and procedures for protection have been approved by authorities having jurisdiction prior to proceeding with the Work.
2. Contractor shall provide temporary support and protection, as required, to existing utilities and structures during the Work, including excavation.
  - a. Temporary support and protection of existing utilities shall be provided in accordance with requirements of the authority having jurisdiction.
  - b. Temporary support and protection of existing structures shall be provided as directed by the Engineer.
3. Contractor shall be responsible for costs incurred for temporary support or protection provided by a third-party or authority having jurisdiction to ensure safety of the existing utility, City, and public and private parties.
4. Contractor shall perform the Work to prevent disruption of existing service and damage to existing utilities.
  - a. Temporary connections shall be provided, as required, to provide uninterrupted service of existing utilities.
  - b. Contractor shall repair damage to existing utilities as directed by the Engineer or the authority having jurisdiction at Contractor's own expense.
  - c. Contractor shall be responsible for damages and repair costs to the authority having jurisdiction if third-party or authority having jurisdiction personnel repair damaged existing utilities.
5. Protection of Existing Structures

- a. Contractor shall sustain existing surface structures in existing place and protect from direct or indirect injury located within or adjacent to the limits of the Work. Such sustaining and supporting shall be done carefully and as required by the party owning or controlling such structure or facility.
- b. Contractor shall bear all risks attending the presence or proximity of all surface structures within or adjacent to limits of the Work, in accordance with the Contract Documents.
- c. Contractor shall be responsible for damage and expense for direct or indirect injury caused by his Work to structures and facilities.
- d. Contractor shall repair immediately damage caused by his Work, to the satisfaction of City of damaged structure or facility at no cost to the City.
- e. Contractor shall provide temporary weather protection for existing structures and buildings where exterior walls or roofs are modified or disturbed in the Work. Contractor shall be responsible for damages due to inadequate protection of existing structures and buildings.

**3.1.30. PROTECTION OF INSTALLED EQUIPMENT AND MATERIALS (EXECUTION)**

Contractor shall protect installed equipment and materials equipment to prevent damage, injury or loss from subsequent operations. Remove protection facilities when no longer needed prior to completion of the Work.

Control traffic to prevent damage to equipment, materials, and surfaces.

Coverings: Provide coverings to protect materials and equipment from damage.

**3.1.31. PROTECTION DURING INCLEMENT WEATHER**

Contractor shall not perform Work during inclement or unsuitable weather that will affect the quality of the completed Work.

Contractor shall take necessary precautions in the event of impending inclement weather to protect equipment, materials and Work from damage or deterioration due to floods, driving rain, wind, or snowstorms.

1. City reserves the right to require additional protection measures beyond Contractor's proposed protection measures to protect the Work.
2. Contractor shall not claim additional compensation for additional protection measures required by City nor for damages to equipment, material, or work due to the inclement weather.

When identified by Engineer, Contractor shall stop Work and protect new work by protective covering during rain storms.

**3.1.32. REPORTING OF ACCIDENTS (EXECUTION)**

Contractor shall immediately report, in writing, to Engineer and City accidents out of, or in conjunction with, the performance of work.

1. Accident reporting includes on site and adjacent to site, which cause death, personal injury, or property damage.
2. Written report(s) shall provide full details and witness statements.

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

3. If a claim is made against the Contractor, supplier, or subcontractor due to accident, Contractor shall promptly report facts, in writing, to Engineer and City, with full account of the claim.

Contractor shall immediately report death, serious injury, or serious damage caused by telephone or messenger to Engineer and City.

### **3.1.33. CLOSEOUT REQUIREMENTS**

#### General

As construction of the project enters the final stages of completion, the Contractor shall, in accordance with the requirements set forth in the Contract Documents, attend to or have already completed the following items.

1. Closeout submittals
2. Correcting or replacing defective work, including completion of items previously overlooked or work which remains incomplete, all as evidenced by the City's "punch" list.
3. Attend to any other items listed herein or brought to the Contractor's attention by the City.

#### Final Submittals

Submit information as specified herein in accordance with Submittals Procedures.

Before the acceptance of the Project's major milestones for Substantial Completion, the Contractor shall submit to the Engineer certain records, certifications, etc., which are specified elsewhere in the solicitation. Missing, incomplete or unacceptable items, as determined by the Engineer or the City, shall indicate noncompliance with Substantial Completion major milestone dates. A partial list of such items appears below, but it shall be the Contractor's responsibility to submit any other items which are required in the Contract Documents.

1. Written test results of project components
2. Written guarantees, where required.
3. Releases from all parties who are entitled to claims against the subject project, property, or improvement pursuant to the provisions of law.

#### Punch Lists

Final cleaning and repairing shall be scheduled upon completion of the project.

The Engineer will make his final inspection whenever the Contractor has notified the Engineer that the work is ready for the inspection. Any work not found acceptable and requiring cleaning, repair and/or replacement will be noted on the "Punch" list. Work that has been inspected and accepted by the Engineer shall be maintained by the Contractor, until final acceptance of the entire project.

Whenever the Contractor has completed the items on the punch list, the Contractor shall notify the Engineer that project is ready for final inspection. This procedure will continue until the entire project is accepted by the Engineer. The Final Payment will not be processed until the entire project is accepted by the Engineer and all of the requirements in Final Submittals have been satisfied.

#### Final Cleanup

The Contractor shall promptly remove from the vicinity of the completed work, all rubbish unused materials, equipment, temporary structures and facilities used during rehabilitation and testing. Final acceptance of the work by the City will be withheld until the Contractor has satisfactorily complied with the foregoing requirements for final cleanup of the project site.

### **3.1.34. GEOPHYSICAL LOGGING AND VIDEO SURVEYING**

#### The Requirement

This section covers the work necessary to perform geophysical logging and video survey in the injection well, complete.

The Contractor shall furnish all labor, materials, tools and equipment necessary to prepare the well for geophysical logging and performance of geophysical logs.

#### Qualifications

The geophysical logs shall be conducted by a Logging Specialist. The Contractor or Subcontractor shall furnish and operate geophysical logging services necessary to run video survey, and all logs specified herein.

Logging Specialist shall provide proof of related educational training, years of experience performing geophysical logging, and work history demonstrating independent logging operations if requested by the Engineer. Engineer reserves the right to reject the logging operator if these demonstrations are insufficient to ensure quality and reliable logging acquisition.

The operator shall be knowledgeable in the interpretation of logs, to the degree that he can make decisions regarding the accuracy and validity of the logs and the sensitivity of the instruments, while using a geophysical logging system capable of producing logs in digital format.

The Contractor shall assist the Engineer during geophysical logging and data collection as requested.

#### Reference Specifications, Codes and Standards

Applicable regulations from the United States Nuclear Regulatory Commission (U.S. NRC)(i.e., 10 CFR Part 39 - Licenses and Radiation Safety Requirements for Well Logging) shall apply for all specialty logging tools that require a neutron emitter.

#### Submittals

- A. All Contractor submittals shall conform to the applicable requirements of Submittal Procedures, and the supplementary requirements specified herein.
- B. Geophysical Logging Firm Qualifications: Video surveys shall be conducted by a qualified service company using equipment capable of surveying and recording to the required depth. Contractor may use Contractor's own equipment providing it is capable of surveying as required and Contractor shall furnish proof of the capability of the equipment. This may include Contractor on site and/or written verification of accurate wheel calibration for depth measurement acceptable to the Engineer.
- C. Quality Control: The Contractor shall submit a Quality Control Plan to the Engineer for review. All logging tools that can be calibrated on site shall be calibrated accordingly, with consideration given to the borehole diameter and type of log and these results shall be included on the log. For logging tools that require the use of radioactive sources or specialized laboratory equipment, the Contractor shall provide current calibration records issued by an accredited facility. A repeat section

shall be run for each log for quality control purposes and included on the log. The logs shall provide data of sufficient quality—such as resolution and signal clarity—and quantity, including a high enough sampling rate to detect borehole features appropriate for the type of log in accordance with industry standard as determined by the Engineer. The Contractor shall establish a specific elevation as the point of reference. All logs should be set based on a known elevation. The establishment of this datum will be determined in the field by the Engineer.

- D. Field Submittals. The CONTRACTOR shall submit one (1) printed field copy of all geophysical logs, as well as electronic copies in Log ASCII Standard (LAS) and Portable Document File (\*.pdf) format immediately following the completion of logging operations via e-mail or USB flash drives, prior to the logger leaving the site. Final logs shall also be provided in Portable Document File (\*.pdf) format on USB Flash Drive. Larger files, such as color video surveys, shall be recorded in digital format such as MP4 files and transmitted to the ENGINEER on a separate USB Flash Drive.
1. Labels on logs and drives shall clearly identify the owner's name, the site, the well number, type of log, depths, and date.
  2. Geophysical logging tool schematic shall be provided for each down-hole tool used.
    - a. A schematic drawing of the radioactive tracer logging tool shall be submitted. The tool configuration and procedure for running shall be approved the ENGINEER, subject to acceptance and approval for use by FDEP.

#### General

- A. Contractor shall provide Engineer with a 72-hour notice prior to logging activities to facilitate coordination of the logging activities with City and regulatory agencies; regulatory agencies may require attendance at geophysical logging events, as specified or identified in the Underground Injection Control (UIC) permit.
- B. Each geophysical log must be run in a continuous manner between the top and bottom of the depth interval specified or selected by the Engineer.
- C. All logs shall be clearly labeled with all pertinent information including location, borehole and casing depths, logging scales, dates, etc.
- D. Logging tools calibrated on site shall be calibrated in the presence of the Engineer.
- E. Each log shall include a repeat section of not less than 200 feet to verify logging tool performance; the repeat section shall be performed in a depth interval where an onscale and identifiable logging signature is present.
- F. The high-resolution temperature log shall be completed under static conditions, prior to other logs identified in the logging schedule. A minimum of 12 hours shall elapse after the removal of equipment to allow the well to return to static conditions before conducting this log.
- G. In the event that a geophysical tool becomes stuck in the well during logging operations, the Contractor shall develop a plan for retrieval. Where a nuclear source is involved in the retrieval operation, the Contractor shall provide notification and conduct retrieval or abandonment operations, as required, in accordance with 10 CFR PART 39 and any applicable Federal, State and/or Local laws. The Contractor, at his sole expense, shall be responsible for all costs associated with retrieval (fishing) operations, notification, reporting, and plugging/abandonment, repair or replacement of logging tools and equipment, as required by the Contract Documents and governing regulations. The Contractor will not be paid standby time during this period.
- H. The Engineer or designated representative shall have the authority to specify uphole/down-hole logging speeds of the individual geophysical logs and specify depths to investigate during the downhole televiewer survey.

- I. Equipment inspection and testing shall be conducted as required by the manufacturer and regulatory agencies having jurisdiction over the well drilling and construction operations.
- J. A schedule of the proposed geophysical logs is presented below. Additional logs may be required by Engineer.
  - 1. Video Survey
  - 2. High-Resolution Temperature (HRT)
  - 3. Natural Gamma Ray (NGR)/Casing Collar Locator (CCL)
  - 4. Radioactive Tracer Survey (RTS)

#### Geophysical Logging Tools

- A. Contractor shall provide a sheave and appurtenances from which the Geophysical Logging Firm may support logging equipment that will be lowered into the borehole or well. The equipment shall be designed for use in wireline logging and shall have a capacity to support the weight and loads.
- B. The Contractor shall be required to keep the artesian pressure of the well under control at all times by use of a stripper head and any other equipment necessary.
- C. Wireline packoff/lubricator assembly shall be furnished, installed, maintained, operated, and tested by the Contractor. The wireline packoff/lubricator assembly shall be installed before geophysical logging operations.
- D. The Contractor shall provide continuous digital geophysical logging equipment capable of performing and recording digital data from the following standard geophysical logs:
  - 1. Color Video Survey: Camera shall include side-looking rotating camera. The video shall be run under dynamic (pumped) conditions to ensure video clarity.
  - 2. High-Resolution Temperature: Temperature logs shall be run under static (no flow) conditions.
  - 3. Natural Gamma Ray: Response shall be recorded in American Petroleum Institute (API) units. Natural Gamma Ray logs shall be run under static conditions.
  - 4. Casing Collar Locator: Shall be run in conjunction with the Natural Gamma Ray tool to assure depth control and prior to conducting radioactive tracer survey. Refer to Mechanical Integrity Testing.
  - 5. Radioactive Tracer Survey: Refer to Mechanical Integrity Testing for geophysical tool configuration and logging procedures.

#### Video Surveys

- A. A digitally recorded color video survey of the well shall be made over the entire depth of the well (from the top of the injection casing to the bottom of the open borehole), in the down-hole and up-hole directions. The video camera shall be centralized within the borehole with the ability to turn the camera lens 90 degrees from a vertical, down-hole view to a horizontal, side-view. Horizontal side-hole viewing shall be controllable to allow viewing at angles within a full 360-degree rotation. Engineer shall identify any or all welds to be inspected using the sideward-looking camera view; other features of interest, as directed by the Engineer, may also be inspected. The quality of the picture shall be acceptable to the Engineer for the entire depth of the survey.

- B. The survey shall be recorded with a footage indication, in depth below land surface, in the picture at all times. Footage counter shall have an accuracy of plus or minus 1 foot per 1,000 feet. The logging speed shall not exceed 15 feet per minute (fpm). Logging speed may be adjusted in accordance with the camera's capabilities, at the Engineer's discretion.
- C. Contractor shall ensure that the well and borehole fluid is of sufficient clarity (as determined by Engineer) to allow a video survey to be conducted. Contractor shall pump into (or out of) the well a quantity of clear water not less than three well volumes (well casing and borehole), as determined by the Engineer.

### **3.1.35. MECHANICAL INTEGRITY TESTING**

#### The Requirement

This Section covers the work, materials and equipment necessary to perform the internal (integrity of casing) and external (integrity of cement seal) mechanical integrity testing (MIT) of injection well IW-1, complete.

Mechanical Integrity Tests will be conducted in accordance with 62-528.300, F.A.C.

The radioactive tracer survey (RTS) shall be completed after the video survey, pressure test and background geophysical logging.

#### Related Sections

Section - Geophysical Logging and Video Surveying

#### Reference Specification, Codes and Standards

Chapter 62-528.300, F.A.C, Underground Injection Control

Applicable regulations from the United States Nuclear Regulatory Commission (U.S. NRC)(i.e., 10 CFR PART 39 - Licenses and Radiation Safety Requirements for Well Logging) shall apply for all specialty logging tools that require a neutron emitter.

#### Submittals

All Contractor submittals shall conform to the applicable requirements of Submittal Procedures, and the supplementary requirements specified herein. The submittals shall include:

1. Pressure Gauge: The Contractor shall supply a six-inch diameter analog pressure gauge with a calibrated range from 0 to 300 pounds per square inch (psi) in one psi increments, with an accuracy of plus or minus 0.25 percent (no substitutions).
2. Flowmeter: The Contractor shall submit calibration records for the furnished totalizing flowmeter. The calibration certificate shall include the serial number, model number, gears, size, meter reading, flow rate for at least three (3) steps, percent error for each step, tester's name, title and date of test. The calibration shall be performed no greater than 60 days prior to testing. The calibration certificate shall be provided to the Engineer at least 48 hours prior to the start of the test. Two copies of the calibration certificate shall be kept onsite at all times during testing; one copy shall be presented to the FDEP representative prior to the MIT and one copy shall be provided to the Engineer.
3. Iodine (I-131): Contractor shall submit the manufacturer's assay for the radioactive tracer, medicinal grade Iodine 131, prior to loading tool. The tracer shall be no older than 8 days from the dispense or calibration date, as shown on the assay.
4. Radioactive Tracer Tool Configuration: The Contractor shall submit a sketch of the RTS tool with dimensions to the Engineer prior to commencement of testing. The RTS tool shall be configured such that two gamma ray detectors are located below, and one gamma ray detector located above the ejector. Gamma detectors shall be field calibrated by

the geophysical logging crew, using a standard, after the tool has been loaded with the tracer and prior to insertion into the well.

5. Color Video Surveys and Geophysical Logs: Refer to Geophysical Logging and Video Surveying for field submittal requirements.
6. Site Survey: Geiger counter survey of well pad prior to loading the RTS tool and following tool retrieval.
7. Brush: The Contractor shall submit shop drawings to the Engineer for review of the Contractor's proposed non-metallic brush (e.g. nylon) and brush dimensions.

#### Geophysical Logging Tools

Instruments of sufficient accuracy and resolution shall be furnished for use in testing as specified and in accordance with Geophysical Logging and Video Surveying.

The radioactive tracer survey tool shall be provided with safety devices as required by governmental authorities having jurisdiction.

All materials that the radioactive tracer fluid comes in contact with shall be containerized and removed from the site by the Contractor or Geophysical Logging Firm at no additional cost to the City.

#### Inflatable Packer

Contractor shall furnish and install a pressure header for conducting the casing pressure test using down-hole inflatable packer. The header shall seal around the drill pipe or tremie pipe supporting the inflatable packer and maintain pressure inside the casing being tested. Contractor's wellhead equipment shall be approved by the Engineer prior to use.

Contractor shall furnish and install an inflatable packer. The packer shall be of a diameter appropriate for the size of well casing to be pressure tested. The packer shall seal tightly against the casing walls to prevent leakage and to effectively isolate the well casing from the open hole below the casing. Engineer will be the sole judge as to the effectiveness of the packer element's isolation of the well casing. The packer shall be run on drill pipe or tubing as approved by the Engineer.

#### Execution

- A. The Contractor shall notify the Engineer seven (7) days in advance prior to commencing testing.
- B. All tests and geophysical logs as part of the MIT will be witnessed by the Engineer. FDEP may elect to witness testing activities during the MIT.
- C. MIT generally consists of performing the following tests in this order: a video survey, a hydrostatic pressure test of the injection tubing, a high-resolution temperature (HRT) log, and a radioactive tracer survey (RTS). The sequence and schedule for the MIT will be outlined in the Contractor's submittal for review and acceptance by the Engineer.
- D. The Contractor shall supply all necessary appurtenance to make use of WTP concentrate and potable water. For well tubing flushes, concentrate will be used, and for dynamic tests, potable water will be used.

#### Pressure Testing

Pressure testing shall be conducted in the injection well using the following procedure:

1. The pressure gauge shall be installed in an easily accessible and visible location, and at a height for those observing and witnessing the testing as acceptable to the Engineer.
2. The Contractor shall be required to keep the artesian pressure of the well under control at all times by use of salt as weight material and other equipment necessary.

3. An inflatable packer shall be set at a depth located within the lowermost section of the 16-inch diameter FRP injection tubing, approximately 10 feet above the bottom of the tubing joint. The lowermost tubing joint will be determined in the video survey. Final 16-inch diameter injection tubing seat is 2,950 feet and the 24-inch diameter casing seat is 2,975 feet bls.
4. Brushes and brushing tools shall be affixed to the base of the packer assembly.
5. The Contractor shall perform a preliminary test prior to the final witnessed test.
6. The injection well casing shall be filled with water and placed under a pressure of at least 155 pounds per square inch (psi) but not more than 160 psi. If a pressure change greater than five percent (5%) occurs during the 60-minute test, the test shall be repeated under controlled conditions to the satisfaction of the Engineer and the regulatory agencies, at the expense of the Contractor.
7. Upon completion of the test, the bleed-off water volume shall be measured to the nearest ½ gallon in a suitable container, acceptable to the Engineer.

#### Geophysical Logging and Video Survey

Concentrate or potable water will be pumped into the injection well, as necessary in order to ensure that the borehole fluid is of sufficient clarity to perform a clear and sharp video survey that is acceptable to the Engineer. The video survey shall be completed under static conditions.

The well shall be under static conditions (non-flowing) for a minimum period of 12 hours prior to conducting the HRT log, casing collar locator (CCL) and background natural gamma-ray (NGR) log of the injection well from land surface to the total depth of the well.

Refer to Geophysical Logging and Video Surveying, for additional information.

#### Well Flush

Upon completion of the video survey and pressure testing, the Contractor shall place the well back in service.

Contractor shall coordinate with the CITY to flush the well with a minimum of five well injection tubing volumes (approximately 126,500 gallons) of concentrate. The injection tubing shall be flushed until all salt used to kill the well has been displaced.

#### Radioactive Tracker Survey

Radioactive tracer injection time shall be provided, and the tracer injection time shall be calibrated to plus or minus one millisecond. The unused tracer shall be ejected into the flow stream just below the 24-inch final casing during high flow. After the unused portion of the tracer is ejected a final gamma ray log shall be run.

The RTS shall be conducted by the Contractor using the following sequence:

1. Prior to loading the radioactive tracer tool, the Contractor's designated radiation safety officer shall perform a background Geiger counter survey of the well pad.
2. A background gamma ray log shall be conducted to the total depth of the injection well. The Contractor may conduct the background gamma ray log simultaneously with the static temperature survey.
3. Load the tracer material in the tool and the Contractor shall field calibrate, in the presence of the Engineer, prior to insertion into the well. A minimum of 5 millicurie (mCi) of I-131 tracer shall be loaded into the tool in the field. The actual amount shall be determined in the field by the Engineer.

4. For dynamic tests, a low injection rate of potable water shall be established with a velocity between 3 and 5 feet per minute (fpm) as calculated below:  
$$\text{Injection Tubing Inside Diameter (inches)} \times \text{Injection Rate (gpm)} = \text{Velocity (fpm)}$$
$$14.482543 \times 3 = 43.447629$$
$$14.482543 \times 5 = 72.412715$$
5. The tracer ejector shall be positioned approximately five feet above the bottom of the final casing. Time drive monitoring shall begin and a slug of 1 mCi tracer material shall be ejected. This release shall be confirmed by detectors GRM and GRB. No time lag between ejection and monitoring is permitted.
6. Gamma ray levels shall be monitored for at least 60 minutes; if tracer is detected by detector GRT, the combination-logging tool shall be raised immediately in 20-foot increments to follow the tracer if any tracer is detected. If the logging tool is to be moved upwards in the event of detection of tracer by the upper detector, the tool shall not be moved prior to the time period required for the tracer to travel from the middle detector to the lower detector. The tracer should reach the lower detector before proceeding.
7. A log out of position gamma ray log shall be run to approximately 200 feet above the base of the casing. If any tracer is detected the log shall continue at least 200 feet above the highest detection location.
8. Following the log out of position gamma ray log, the casing shall be flushed by injecting a minimum of one tubing volume (i.e., approximately 25,300 gallons of concentrate). The volume of flush may be increased or decreased in the field based on field conditions. Flushing between the radioactive tracer survey tests and logging after the flushing shall be performed only if there is an adverse casing stain.
9. Following casing flush, the Contractor shall repeat RTS test (Steps 4 through 8) by ejecting a slug of 1.5 mCi of tracer with a minimum of 30 minutes monitoring time.
10. The Contractor may be required to repeat steps 4 through 8, as deemed necessary by the Engineer.
11. Upon completion of the RTS testing, the unused I-131 tracer will be ejected at least 50 feet below the bottom of the final casing string or immediately above the uppermost actively receiving interval within the injection zone while the tool is in time drive.
12. Perform final gamma ray log from the total depth of the well to land surface. Geophysical logs shall be provided to the Engineer in accordance with Geophysical Logging and Video Surveying Section.

Upon completion of the RTS and retrieval of the radioactive tracer tool at surface, a Geiger survey shall be conducted of the well pad.

### **3.1.36. Worksite, OSHA & Safety**

The Awarded Bidder shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Awarded Bidder shall utilize Occupational Safety & Health Administration (OSHA) Safety Guidelines and regulations as the reference for safety during the construction. Most of the applicable standards can be found in 29 CFR 1926, Safety and Health Regulations for Construction and Occupational Safety and Health Act of 1970, as amended; failure to comply with this condition shall be considered as a breach of contract. Any fines levied because of inadequacies to comply with these requirements shall be borne solely by the Bidder responsible for same. When there is a workplace hazard not covered there, it may be covered by the General Industry Standard 29 CFR 1910. The Awarded Bidder shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to personnel on the Work site or who may be affected by the Work.

Consumption, possession, or distribution of alcoholic beverages is strictly prohibited on the project site at all times. Any personnel found in violation of this policy shall be immediately removed from the site and may be permanently barred from returning. The

Awarded Bidder shall be responsible for enforcing this policy and ensuring a safe, professional, and substance-free work environment in accordance with applicable safety and labor standards.

The Awarded Bidder shall be responsible for maintaining a safe and secure worksite for the duration of the work. The Awarded Bidder shall maintain all work staging areas in a neat and presentable condition. Construction vehicles and equipment used for this project shall be maintained in good working order to minimize pollutant emissions.

#### **4. SUBMITTAL REQUIREMENTS**

##### **4.1. SUBMITTAL FORM**

###### **1. Bidder's legal name of firm, entity or organization and Federal Employer Identification Number (FEIN).\*\***

\*Response required

###### **2. Please provide the address to your firm's principal place of business, if different than the address in your firm's vendor profile.**

###### **3. Please provide the name, phone number and email address for the your firm's primary contact for this solicitation.\***

\*Response required

###### **4. Bidder's organization structure.\***

C-Corporation

S-Corporation

Limited Liability Corporation (LLC)

Partnership

Proprietorship

Joint Venture

Other (explain):

\*Response required

###### **5. List names of Bidder's subcontractors and/or subconsultants for this project.**

###### **6. Bidder shall provide a State of Florida Water Well Contractor's License from one of the five (5) state regional water management districts (WMD), pursuant to state statute. \***

\*Response required

###### **7. Bidder shall upload a minimum of five (5) mechanical integrity testing projects, including packer pressure tests to at least 2,800 feet, as defined in the Florida Administrative Code, Chapter 62-528, within the past five (5) years. Bidder shall list these five projects on the Bidder's Reference Form. References may be verified by the City.\***

Please download the below documents, complete, and upload.

- [Experience Qualification Re...](#)

\*Response required

###### **8. Provide a detailed description of the nature and status of any pending or completed litigation, claims made, contract disputes or defaults and liens arising in regard to your company's performance of any services arising within the last five years from the due date of this solicitation. If not applicable, please enter N/A.\***

\*Response required

###### **9. Americans with Disabilities Act (ADA) Disability Nondiscrimination Statement\***

Please download the document below, complete, and upload.

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

- [ADA Nondiscrimination State...](#)

\*Response required

**10. Business Entity Affidavit\***

Please download the document below, complete, and upload.

- [BUSINESS ENTITY AFFIDAVIT.pdf](#)

\*Response required

**11. Certification Regarding Debarment Suspension Etc\***

Please download the document below, complete, and upload.

- [Certification Regarding Deb...](#)

\*Response required

**12. Domestic Partnership Affidavit\***

Please download the document below, complete, and upload.

- [Domestic Partnership Affida...](#)

\*Response required

**13. Drug free Workplace Certificate\***

Please download the document below, complete, and upload.

- [Drug free Workplace Certifi...](#)

\*Response required

**14. Employee Background Verification Affidavit\***

Please download the document below, complete, and upload.

- [Employee Background Verific...](#)

\*Response required

**15. E-Verify Affidavit\***

Please download the document below, complete, and upload.

- [E-Verify Affidavit Form 202...](#)

\*Response required

**16. Foreign (Non-Florida) Corporation Form\***

Please download the document below, complete, and upload.

- [Foreign \(Non-Florida\) Corpo...](#)

\*Response required

**17. Foreign Country of Concern Affidavit\***

Please download the document below, complete, and upload.

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

- [Foreign Country of Concern ...](#)

\*Response required

**18. Non-Collusion Affidavit\***

Please download the document below, complete, and upload.

- [Non-Collusion Affidavit.pdf](#)

\*Response required

**19. Non-Conflict of Interest\***

Please download the document below, complete, and upload.

- [Non-Conflict of Interest.pdf](#)

\*Response required

**20. Ownership Disclosure Affidavit\***

Please download the document below, complete, and upload.

- [OWNERSHIP DISCLOSURE AFFIDA...](#)

\*Response required

**21. Proof of Workers Compensation Insurance\***

Please download the document below, complete, and upload.

- [Sample Certificate of Insur...](#)

\*Response required

**22. Proof of Workers Compensation or Exemption\***

Please download the document below, complete, and upload.

- [Proof of Workers Compensati...](#)

\*Response required

**23. Public Entity Crimes\***

Please download the document below, complete, and upload.

- [Public Entity Crimes.pdf](#)

\*Response required

**24. Scrutinized Companies Affidavit\***

Please download the below documents, complete, and upload.

- [Scrutinized Companies Affid...](#)

\*Response required

**25. W9\***

Please download the document below, complete, and upload.

- [W-9.pdf](#)

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

\*Response required

**26. Summary of Documents to be submitted with Bid\***

The following documents have been uploaded and submitted with bid.

*Select all that apply*

- A copy of active/valid State of Florida Water Well Contractor's License from one of the five (5) state regional water management districts (WMD), pursuant to state statute.
- A minimum of five (5) mechanical integrity testing projects, including packer pressure tests to at least 2,800 feet, as defined in the Florida Administrative Code, Chapter 62-528, within the past five (5) years.
- Americans with Disabilities Act (ADA) Disability Non-Discrimination Statement
- Business Entity Affidavit
- Certification Regarding Debarment Suspension
- Domestic Partnership Affidavit
- Drug-Free Workplace Certificate
- E-Verify Form Pursuant to Section 448.095, Florida Statutes
- Employee Background Verification Affidavit
- Foreign (Non-Florida) Corporation Form
- Foreign Country of Concern Affidavit
- Non-Collusion Affidavit
- Non-Conflict of Interest Statement Proof of Liability Insurance
- Ownership Disclosure Affidavit
- Proof of Liability Insurance
- Proof of Workers' Compensation Insurance or Exemption
- Public Entity Crimes (PEC) Form
- Scrutinized Companies Affidavit
- W-9, Request for Taxpayer Identification Number

\*Response required

**27. The undersigned hereby certifies that this Bid is submitted in response to this Solicitation and that Bidder agrees to the terms and conditions listed within.\***

- Please confirm

\*Response required

**4.2. PRICE SHEET**

Invitation For Bid #IFB2026-1

Title: Class I Injection Well IW-1 Mechanical Integrity Test (MIT) - Utilities Complex

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Injection Well IW-1 Mechanical Integrity Test (The City will add a 10% contingency to the Bidder's pricing. No contingency work shall be performed, and no costs shall be incurred, without prior written authorization from the City. The contingency account is for City-directed changes or unanticipated site conditions.)	1	Lumpsum		
<b>TOTAL</b>					