

SOLICITATION

For Participation in

**Construction Services for CR 210 Booster Pump Station (BPS) Pipeline Cleaning Facilities and
Force Main Cleaning: CR 210 BPS to Blacks Ford WRF**

for



Jacksonville, FL

Solicitation Number

137-17

Mandatory Pre-Bid Meeting on September 20, 2017 at 2:00 p.m.

JEA Customer Center, 1st Floor, Room 002, 21 W. Church Street, Jacksonville, FL 32202

OR

Dial In: 1-888-714-6484

Passcode: 817050

Bids are due on October 10, 2017 at 12:00p.m.

Direct delivery or mail to JEA Bid Office, Customer Center 1st Floor, Room 002

21 W. Church Street, Jacksonville, FL 32202

**JEA will publicly open all bids received from qualified Bidders on October 10, 2017 at 2:00 p.m.
in the JEA Bid Office, Customer Center 1st Floor, Room 002, 21 W. Church Street, Jacksonville,
FL 32202**

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Solicitation

1. SOLICITATION

1.1. INVITATION

1.1.1. SCOPE OF WORK

JEA is soliciting Bids from construction contractors (hereinafter referred to as “Company”) for construction services for CR 210 Booster Pump Station (BPS) Pipeline Cleaning Facilities and Force Main Cleaning: CR 210 BPS to Blacks Ford WRF project.

The scope of work specified herein includes the installation of permanent above ground and below ground pigging stations, mechanical cleaning (pigging) of the CR 2209 Force Main, proposed chemical conditioning during cleaning operations and the construction and removal of temporary solids capture facilities (TSCF). The section of CR 2209 Force main that is intended to be included in this project for cleaning consists of approximately 4.6 miles of 24-inch PVC, 30-inch PVC and 36-inch diameter PVC and HDPE force main that extends from the CR 210 Booster Pump Station (BPS) to the proposed Temporary Solids Capture Facility (TSCF) just upstream of the Blacks Ford Water Reclamation Facility (WRF).

All work shall be done in accordance with the January 2017 Edition of JEA Water & Wastewater Standards Manual. The following is a link to the JEA Water and Sewer Standards:

https://www.jea.com/Working_With_JEA/Engineering_and_Construction/Reference_Materials/Water_and_Sewer_Standards.aspx

A more detailed scope of work can be found in Appendix A – Technical Specifications.

1.1.2. QUESTIONS

All questions must be submitted in writing to the JEA Buyer listed below at least five (5) business days prior to the opening date. Questions received within five (5) business days prior to the opening date will not be answered.

For Procurement Related Questions:

Buyer: NATHAN WOYAK
E-mail: WOYANJ@JEA.COM

For Technical Questions:

Contact Robert B. Cadle
E-mail: CADLRB@JEA.COM

1.1.3. INVITATION TO BID

You are invited to bid on the Solicitation noted below:

JEA Solicitation Title: Construction Services for CR 210 Booster Pump Station (BPS) Pipeline Cleaning Facilities and Force Main Cleaning: CR 210 BPS to Blacks Ford WRF

JEA Solicitation Number: 137-17

To obtain more information about this Solicitation:

Download a copy of the Solicitation, PDF quality drawings (if applicable) and any required forms at jea.com.

Bid Due Time: 12:00 P.M. - ALL LATE BIDS WILL BE RETURNED UNOPENED

Bid Due Date: Tuesday, October 10, 2017

All Bids must reference the JEA Solicitation title and number noted above. All Bids must be made on the appropriate Bid forms as specified within this Solicitation, and placed in an envelope marked to identify the Solicitation and delivered or mailed to:

JEA Procurement, Bid Office, Customer Center 1st Floor, Room 002, Jacksonville, FL 32202

The Bidder shall be solely responsible for delivery of its Bid to the JEA Bid Office. **Please note, JEA employs a third party courier service to deliver its mail from the local U.S. Postal Service (USPS) which could cause a delay of Bid delivery if mailed through the USPS.** Therefore, JEA recommends direct delivery to the JEA Bid Office. Reliance upon the USPS, the courier service employed by JEA to make pick-ups from the local USPS, or public carriers is at the Bidder's risk.

Bids are due by the time and on the date listed above. ALL LATE BIDS FOR WHATEVER REASON WILL BE RETURNED UNOPENED.

1.1.4. MANDATORY PRE-BID MEETING

There will be a mandatory Pre-Bid meeting. All interested Bidders must attend the Pre-Bid meeting. Each Bidder will be required to sign in at the beginning of the meeting. A Bidder shall only sign in representing one company, unless otherwise specified by JEA. Bidders not attending the Pre-Bid meeting shall have their bids rejected returned unopened.

Bidders shall be on time to the Pre-Bid meeting and Bidders must be present at the starting time of the meeting. Bidders not arriving on time for the meeting will have their Bids rejected and returned unopened.

PLEASE BE AWARE DUE TO JEA SIGN IN AND/OR SECURITY PROCEDURES IT MAY TAKE UP TO FIFTEEN MINUTES TO OBTAIN ACCESS TO A JEA FACILITY. PLEASE PLAN ACCORDINGLY SO AS TO ARRIVE TO THE PRE-BID MEETING ON TIME.

Pre-Bid Meeting Time: 2:00 PM

Pre-Bid Meeting Date: September 20, 2017

Pre-Bid Location: JEA Customer Center, 1st Floor, Room 002, 21 W. Church Street, Jacksonville, FL 32202

1.1.5. OPENING OF BIDS

All Bids shall be publicly opened, read aloud and recorded at 2:00 PM on October 10, 2017 at the JEA Bid Office, 21 W. Church Street, Customer Center First Floor, Room 002, Jacksonville, FL 32202.

At the opening of Bids, a JEA Representative will publicly open and announce each Bid that was received on time. Bids that have been properly withdrawn will not be opened. JEA has the right to waive any irregularities or informalities in the Bid Document.

1.2. SPECIAL INSTRUCTIONS

1.2.1. MINIMUM QUALIFICATIONS FOR SUBMISSION

Bidder shall have the following Minimum Qualifications to be considered eligible to submit a Bid in response to this Solicitation. **A Minimum Qualification Form which is required to be submitted with the Bid Form is provided in Appendix B of this Solicitation.**

It is the responsibility of the Bidder to ensure and certify that it meets the Minimum Qualifications stated below. **JEA will contact and verify all of the project references provided.** A Bidder not meeting all of the following criteria will have their Bids rejected:

1. Bidder must have a State of Florida General Contractor OR Underground Utility and Excavation Contractor License. Enter the license number on Appendix B - Bid Form.

2. Bidder shall provide references for two (2) projects that were self-performed and successfully completed for the installation of a force main wastewater pipeline of at least 2,000 feet, with a pipe size of 24 inches in diameter or larger, within the last ten (10) years as of the Bid Due Date.
3. Bidder or Subcontractor to perform the work on this project, shall provide project references in which it has successfully self-performed hot tapping on a pipe size of 24 inches in diameter or larger, within the last ten (10) years as of the Bid Due Date.
 - The projects shall show a total number of six (6) hot taps, three (3) shall be for PVC pipe material and three (3) shall be for HDPE pipe material.
 - JEA will accept up to six (6) project references to demonstrate this experience.
4. Bidder or Subcontractor to perform the work for this project, shall provide three (3) similar self-performed projects references for line cleaning and pigging with a minimum length of 3,000 feet of pipe 24 inches in diameter or larger, in the last ten (10) years as of the Bid Due Date.
 - A similar project is defined as performing mechanical cleaning of pipes with “pigs” for active sewage force mains that have been in operation more than three (3) years in duration.

Please note, any Bidder whose contract with JEA was terminated for default within the last two (2) years shall have their Bid rejected.

1.2.2. EVALUATION METHODOLOGY

1.2.2.1. COMPETITIVE SEALED BIDDING (INVITATION FOR BIDS)

The Bidder shall submit its sealed Bid in response to this Solicitation no later than the Bid due date and time indicated herein. At the public opening of the Bids, the Bids from all Bidders will be publicly announced. After the public opening, JEA will subsequently review Bids to determine if they meet the minimum qualifications as stated in this Solicitation. JEA will Award the Contract to the lowest responsive and responsible Bidder whose Bid meets or exceeds the minimum qualifications, and whose Bid Price represents the lowest cost to JEA.

NO EXCEPTIONS ARE ALLOWED IN AN INVITATION TO BID. IF THE BIDDER OBJECTS IN ANY MANNER TO THE TERMS AND CONDITIONS OR TECHNICAL SPECIFICATIONS, THE OBJECTION MUST BE ADDRESSED IN WRITING FIVE (5) BUSINESS DAYS PRIOR TO THE BID OPENING DATE, AND THE OBJECTION MAY BE ADDRESSED IN AN ADDENDUM IF JEA BELIEVES THAT A CLARIFICATION OR CHANGE IS NECESSARY. ANY MODIFICATIONS, EXCEPTIONS OR OBJECTIONS STATED WITHIN THE BID DOCUMENTS SHALL SUBJECT THE BID TO BE REJECTED.

1.2.2.2. BASIS OF AWARD - LOWEST BID

JEA will Award this Contract to the responsive and responsible Bidder whose Bid meets or exceeds the Minimum Qualifications set forth in this Solicitation, and the Bidder's price represents the lowest cost to JEA.

JEA will use the Bidder's Total Bid Price stated on the Bid Form when making price comparisons for Award purposes.

1.2.3. NUMBER OF CONTRACTS TO BE AWARDED

JEA intends to Award One (1) Contract for the Work. JEA reserves the right to Award more than one Contract based on certain groupings of the Work items, or JEA may exclude certain Work items, if JEA determines that it is in its best interest to do so.

1.2.4. JACKSONVILLE SMALL AND EMERGING BUSINESS (JSEB) PROGRAM REQUIREMENTS

1.2.4.1. JACKSONVILLE SMALL AND EMERGING BUSINESS (JSEB) GOAL

The specific JSEB participation goal for the Scope of work described in this Solicitation is three percent (3%). This percentage is the percentage of the Bidder's total bid price that must be awarded or subcontracted to JSEB firms. Failure to fully comply with the JSEB requirements stated herein may disqualify the Bid.

Bidders are required to complete and submit with their Bid the JSEB form which can be found at www.jea.com. Bidders must specify on the JSEB form how they intend to comply with the JSEB goal stated herein. Bidders that do not submit a JSEB form with their Bid may have their Bids rejected, unless they are exempted under the good faith exception described below.

In no case shall the Bidder make changes to the JSEB firms listed in its Bid, revise the JSEB Scope of work or amount of Work as stated in its Bid without prior written notice to the JEA Contract Administrator, and without subsequent receipt of written approval from the JEA Contract Administrator.

JSEB firms that qualify for this Contract are those shown on the current City of Jacksonville JSEB directory appearing at www.COJ.net. Certification of JSEB firms must come for the City of Jacksonville. No other agency or organization is recognized for purposes of this Contract.

If the Bid does not comply with the JSEB requirements established in this Solicitation, the Bidder must submit documentation as part of its Bid describing in detail its good faith efforts to comply with the JSEB requirements of the Solicitation. This documentation shall include at a minimum the following items:

A written and signed statement describing the level of effort for each of the requirements listed below. Include dates times, people whom the Bidder contacted and phone numbers to enable JEA to confirm good faith efforts.

Copies of written solicitations of participation the Bidder sent to qualified JSEB firms, showing adequate response time was provided, defining the scope and nature of the work Bidder is asked to perform, Bidder contact information for questions and follow-up, and an offer to meet to review plans, specifications and scope.

A statement of the Bidder's efforts to negotiate a suitable agreement with JSEB firms including call logs showing participants, dates, times, topics discussed, and open issues.

A statement of the Bidder's efforts to help qualified firms that may require assistance in obtaining bonding, insurance, financing, technical support, procedural information, or other items necessary to compete for and perform the Work.

For each offer received from a qualified JSEB firm but rejected by Bidder, a statement explaining why such offer was not made part of the Bid.

For each qualified JSEB firm contacted but considered unqualified by the Bidder to perform a portion of the Work, a statement of the reasons Bidder considered firm to be unqualified.

The Bidder shall contact the JEA JSEB Office for assistance when all independent attempts (emails, phone calls, faxes and letters) to contact qualified JSEB firms have failed, and shall do so in adequate time for JSEB firms to be identified and to allow JSEB firms adequate time in which to respond. Failure by the Bidder to contact the JEA JSEB Office as required herein will be considered when determining if the Bidder has made a good faith effort.

The Bidder understands and agrees that receipt of a lower bid from a non-JSEB qualified firm, will not in and of itself, be sufficient reason to justify failing to meet the JSEB requirements of the Solicitation.

The determination as to whether the Bidder made a good faith effort in trying to achieve the JSEB requirements of this Solicitation will be made solely by JEA and prior to Award.

All questions and correspondence concerning the JSEB program should be addressed to the following contact:

G. Nadine Carswell
JSEB Manager
21 W. Church Street, CC-6
Jacksonville, FL 32202
(904) 665-6257
carsgs@jea.com

1.2.5. INSURANCE REQUIREMENTS

Prior to JEA issuing a Purchase Order to the Bidder to begin the Work or Services, the Bidder shall submit a certificate of insurance (COI) that is in compliance with amounts and requirements as indicated in the Section herein entitled "Insurance Requirements". **Note that the COI shall specifically indicate JEA (and Florida Power and Light Company ("FPL"), if applicable) as additional insured(s) on all required insurance except Worker's Compensation and Professional Liability (if applicable). Furthermore, waiver of subrogation shall be provided for all required insurance in favor of JEA, FPL (if applicable), including their board members, officers, employees, agents, successors, and assigns.**

1.2.6. PAYMENT AND PERFORMANCE BOND REQUIREMENTS

Once the Bidder is Awarded the Contract and upon receipt of the Contract Documents, the Bidder shall furnish a Payment and Performance Bond, or alternate form of security, in the amount indicated on the Bid Form, made out to JEA in forms and formats approved and provided by JEA, as security for the faithful performance of the Work or Services. No modifications to the JEA bond forms are allowed.

A fully executed Payment and Performance Bond must be recorded with the Clerk of Duval County Court and delivered to JEA before the JEA Purchase Order will be issued. JEA will send the approved bond forms to the Bidder for execution along with the Contract; however, in no case shall the date on the bond forms be prior to that of the executed Contract. The surety must be authorized and licensed to transact business in Florida. **Note, that the Bidder is responsible for the costs associated with the required Payment and Performance Bonds; therefore, the costs should be included in the Bidder's total Bid Price.** If the Bidder fails or refuses to furnish or record the required bonds, JEA will retain the Bidder's bid bond as liquidated damages.

To be acceptable to JEA as surety for Performance and Payment Bonds, a surety company shall comply with the following provisions:

- o The Surety Company shall have a currently valid Certificate of Authority, issued by the State of Florida, Department of Insurance, authorizing it to write surety bonds in the State of Florida.
- o The Surety Company shall have a currently valid Certificate of Authority issued by the United States Department of Treasury under Sections 9304 to 9308 of Title 31 of the United States Codes.
- o The Surety Company shall be in full compliance with the provisions of the Florida Insurance Code.
- o The Surety Company shall have at least twice the minimum surplus and capital required by the Florida Insurance Code during the life of this agreement.
- o If the Contract Award Amount exceeds \$500,000, the Surety Company shall also comply with the following provisions:

The Surety Company shall have at least the following minimum ratings in the latest issue of A.M. Best's Key Rating Guide.

POLICY HOLDER'S CONTRACT AMOUNT AND REQUIRED FINANCIAL RATING

\$500,000 TO 1,000,000: A-CLASS IV
\$1,000,000 TO 2,500,000: A-CLASS V
\$2,500,000 TO 5,000,000: A-CLASS VI
\$5,000,000 TO 10,000,000: A-CLASS VII
\$10,000,000 TO 25,000,000: A- CLASS VIII
\$25,000,000 TO 50,000,000: A- CLASS IX
\$50,000,000 TO 75,000,000: A- CLASS X

The Surety Company shall not expose itself to any loss on any one risk in an amount exceeding ten (10) percent of its surplus to policyholders, provided:

Any risk or portion of any risk being reinsured shall be deducted in determining the limitation of the risk as prescribed in this section. These minimum requirements shall apply to the reinsuring carrier providing authorization or approval by the State of Florida, Department of Insurance, to conduct business in this state has been met.

In the case of the surety insurance company, in addition to the deduction for reinsurance, the amount assumed by any co-surety, the value of any security deposited, pledged or held subject to the consent of the surety and for the protection of the surety shall be deducted.

1.2.7. LIQUIDATED DAMAGES IN CONTRACT

The Contract issued pursuant to this Solicitation contains liquidated damages tied to project completion deadlines. The Bidder should review the specific time frames and liquidated damage amounts prior to submitting its Bid.

1.2.8. SAFETY QUALIFICATION REQUIREMENTS (IFB)

Bidder shall be approved as JEA Safety Qualified within ten (10) business days of receiving written notice from the JEA Bid Office that it is the lowest responsive and responsible Bidder. If the Bidder fails to obtain JEA approval as a JEA Safety Qualified company by 4:00 p.m. Eastern time on the 10th business day, JEA will reject the company's Bid, and proceed to Award to the next lowest responsive and responsible Bidder.

JEA Safety Qualification information is available online at jea.com. Please note that it may take up to five (5) business days for a company to be approved as JEA Safety Qualified. It is the Bidder's responsibility to ensure it is JEA Safety Qualified. A list of the JEA's Safety Qualified vendors can be found on jea.com. For additional information, contact Jerry Fulop at (904) 665-5810.

1.2.9. TIME

In computing any period of time prescribed or allowed by this solicitation, the day of the act, event, or default from which the designated period of time begins to run shall not be included. The last day of the period so computed shall be included unless it is a Saturday, Sunday, or JEA holiday, in which event the period shall run until the end of the next day which is neither a Saturday, Sunday, or JEA holiday.

1.2.10. REQUIRED FORMS TO SUBMIT WITH BID

To submit a Bid in response to this Solicitation, all of the forms listed below must be completed and submitted as part of the Bid. The Bidder must obtain the required forms, other than the forms provided in the solicitation, by downloading them from JEA.com. If the Bidder fails to complete or fails to submit one or more of the required forms, the Bid shall be rejected.

The following forms are required to be submitted at the time of Bid:

- o Bid Bond
- o Bid Form (including acknowledgements of all addenda) - This form can be found in Appendix B
- o Bid Workbook - This form can be found in Appendix B
- o Minimum Qualifications Form - This form can be found in Appendix B
- o List of JSEB Certified Firms – This form can be found on jea.com
- o Florida Trench Safety Act Acknowledgment
- o Construction and Demolition Debris Disposal (if applicable)
- o State of Florida license number-Enter on Appendix B Bid Form
- o List of Subcontractors Form- This form can be found in Appendix B

At a minimum, Bidder must identify the sub-contractor for the following categories or state they will be self-performed:

- 1. Line Cleaning and Pigging (Must be the subcontractor referenced in the minimum qualifications)**
- 2. HDPE Pipe Fusing and Testing**
- 3. Pipe Swabbing and Testing**

4. **Sedimentation and Erosion Control work**
5. **Landscaping work**
6. **Tapping HDPE and PVC pipe work**
7. **Non paved roadway grading, construction, and restoration**
8. **Grassing work**
9. **Trucking/Hauling Sludge**

If the above listed forms are not submitted with the Bid by the Bid Due Time on the Bid Due Date, JEA shall reject the Bid.

JEA also requires the following documents to be submitted prior to execution of Contract. A Bid will not be rejected if these forms are not submitted at the Bid Due Time and Date. However, failure to submit these documents at the time of Contract execution could result in Bid rejection.

- o Conflict of Interest Certificate Form
- o Schedule of Values (SOV)
- o Insurance Certificate
- o W-9
- o Evidence of active registration with the State of Florida Division of Corporations (www.sunbiz.org)
- o Any technical submittals as required by the Technical Specifications.

1.2.11. BID SECURITY/BID BOND

All Bids shall be accompanied by a bid security in the amount stated on the Bid Form. The bid security must be furnished by the Bidder at or before the opening of Bids. The bid security shall either be issued by a surety company authorized to do business in the State of Florida, or Bidder shall furnish a certified check or cashier's check in the amount of **five percent (5%)** of the total Bid Amount shown on the Bid Form. The JEA Bid Bond form can be found at jea.com. Failure to furnish the required bid security will disqualify the Bid. If the Bidder is Awarded the Work and fails to execute the Contract within ten (10) days of postmarked date on the Contract Documents, JEA shall retain the Bid Bond or check as liquidated damages.

1.3. GENERAL INSTRUCTIONS

1.3.1. COMPLETING THE BID DOCUMENTS

Bidders shall complete and submit all Bid Documents with responses typewritten or written in ink. ALL BIDS SUBMITTED LATE TO THE JEA BID OFFICE WILL BE REJECTED.

When a blank is marked "optional" on the bid form, the Bidder shall insert the words "No Bid" in the space provided if the Bidder does not choose to submit a price for that item. Failure to complete each blank with either a price or the words "No Bid" may disqualify the Bid. The Bidder, or its authorized agent or officer, shall sign the Bid Documents. Failure to sign the Bid Documents may disqualify the Bid. JEA approved erasures, interlineations or other corrections shall be authenticated by affixing in the margin, immediately opposite the correction, the handwritten signature of each person executing the Bid. Failure to authenticate changes may disqualify the Bid. JEA may disqualify any Bids that deviate from the requirements of this Solicitation, and those that include unapproved exceptions, amendments, or erasures.

1.3.2. CALCULATION OF THE BID PRICE

JEA will use the Bidder's Total Bid Price stated on the Bid Form when making price comparisons for Award purposes.

1.3.3. SUBMITTING THE BID FORM

The Bidder shall submit one (1) original of all the Bid Documents and two (2) duplicates of the original Bid Documents. It is encouraged that all submitters include an electronic version with their hardcopy submittal. JEA reserves the right to request a complete electronic copy of the submission after Bid opening.

JEA will not accept Bid Documents files transmitted via email. If electronic copies of the Bid Documents are submitted, they must be submitted on a CD with the hardcopies of the Bid Documents.

1.3.4. MODIFICATION OR WITHDRAWAL OF BIDS

The Bidder may modify or withdraw its Bid at any time prior to the Bid Due Date and Time by giving written notice to JEA's Chief Procurement Officer. JEA will not accept modifications submitted by telephone, telegraph, email, or facsimile, or those submitted after the Bid Due Date and Time. The Bidder shall not modify or withdraw its Bid from time of Bid opening and for a period of ninety (90) days following the opening of Bids.

1.3.5. ADDENDA

JEA may issue Addenda prior to the Bid opening date to revise, in whole or in part, or clarify the intent or requirements of the Solicitation. The Bidder shall be responsible for ensuring it has received all Addenda prior to submitting its Bid or Proposal and shall acknowledge receipt of all Addenda by indicating where requested on the Bid Form. JEA will post all Addenda when issued online at jea.com. The Bidder must obtain Addenda from the JEA website. All Addenda will become part of the Solicitation and any resulting Contract Documents. It is the responsibility of each Bidder to ensure it has received and incorporated all Addenda into its Bid or Proposal. Failure to acknowledge receipt of Addenda may be grounds for rejection of a Bid or Proposal.

1.3.6. CONTRACT EXECUTION AND START OF WORK

Within thirty (30) days from the date of Award, JEA will present the successful Bidder with the Contract Documents. Unless expressly waived by JEA, the successful Bidder shall execute a Contract for the Work or Services within ten (10) days after receiving the Contract from JEA. If the Bidder fails to execute the Contract or associated documents as required, or if it fails to act on a JEA-issued Purchase Order (PO), JEA may cancel the Award with no further liability to the Bidder, retain the bid security or bond (if applicable), and Award to the next-ranked company.

Upon JEA's receipt of the executed Contract, certificate of insurance, and recorded Payment and Performance bonds (if applicable), JEA will issue a PO, in writing and signed by an authorized JEA representative as acceptance of the Proposal or Bid and authorization for the company to proceed with the Work, unless otherwise stated in the Contract or PO.

For Construction Services: In the event that JEA intends to authorize the successful Bidder to proceed with administrative work only, or with only a portion of the Work, then the PO shall state the specific limitations of such authorization and JEA will issue a separate written Notice to Proceed to authorize the Bidder to begin Field Work, when applicable, or to perform the remainder of the Work, or any portion thereof. The Bidder shall ensure that it is prepared to begin Field Work upon receipt of Notice to Proceed. Any Work performed outside of this partial authorization shall be at the Bidder's risk and JEA shall have no obligation to pay for such Work.

1.3.7. DEFINED TERMS

Words and terms defined in the Section entitled "Definitions" of this document are hereby incorporated by reference into the entire document.

1.3.8. EX PARTE COMMUNICATION

Ex Parte Communication is strictly prohibited. Ex Parte Communication is defined as any inappropriate communication concerning a Solicitation between a firm submitting a Bid or Proposal and a JEA representative during the time in which the Solicitation is being advertised through the time of Award. Examples of inappropriate communications include: private communications concerning the details of Solicitation in which a Bidder becomes privy to information not available to the other Bidders. Social contact between Bidders and JEA representatives should be kept to an absolute minimum during the solicitation process.

Failure to adhere to this policy will disqualify the noncompliant Company's Bid or Proposal. Any questions or clarifications concerning a Solicitation must be sent in writing via email to the JEA Buyer at least five (5) business days prior to the opening date. If determined by JEA, that a question should be answered or an issue clarified, JEA will issue an addendum to all Bidders.

For more information on Ex Parte communications, see JEA Procurement Code, Article 1-110, which is available at www.jea.com.

1.3.9. JEA PUBLICATIONS

Applicable JEA publications are available at jea.com.

1.3.10. PROHIBITION AGAINST CONTINGENT FEES

The Company warrants that it has not employed or retained any company or person, other than a bona fide employee working for the Company, or an independent sales representative under contract to the Company, to solicit or secure a contract with JEA, and that it has not paid or agreed to pay any person, company, corporation, individual or Company, other than a bona fide employee working solely for the Company, or an independent sale representative under contract to the Company, any fee, commission, percentage, gift, or any other consideration, contingent upon or resulting from the Award or making of the Contract. For a breach or violation of these provisions occurs, JEA shall have the right to terminate the Contract without liability, and at its discretion, to deduct from the Contract Price, or otherwise recover, the full amount of such fee, commission, percentage, gift or consideration.

1.3.11. RESERVATIONS OF RIGHTS TO JEA

The Solicitation provides potential Companies with information to enable the submission of written offers. The Solicitation is not a contractual offer or commitment by JEA to purchase products or services.

Bids shall be good for a period of ninety (90) days following the opening of the Bids.

JEA reserves the right to reject any or all Bids, or any part thereof, and/or to waive informalities if such action is in its best interest. JEA may reject any Bids that it deems incomplete, obscure or irregular including, but not limited to, Bid or Proposals that omit a price on any one or more items for which prices are required, Bids that omit Unit Prices if Unit Prices are required, Bids for which JEA determines that the Bid or Proposal is unbalanced, Bids that offer equal items when the option to do so has not been stated, Bids that fail to include a Bid Bond, where one is required, and Bids from Companies who have previously failed to satisfactorily complete JEA contracts of any nature or who have been scored by JEA as "Unacceptable" and as a result, are temporarily barred from bidding additional work.

JEA reserves the right to cancel, postpone, modify, reissue and amend this Solicitation at its discretion.

JEA reserves the right to cancel or change the date and time announced for opening of Bids at any time prior to the time announced for the opening of Bids. JEA may Award the Contract in whole or in part. In such cases whenever JEA exercises any of these reservations, JEA will make a commercially reasonable effort to notify, in writing, all parties to whom Solicitations were issued. JEA may award multiple or split Contracts if it is deemed to be in JEA's best interest.

1.3.12. SUNSHINE LAW

General

Article I, Section 24, Florida Constitution, guarantees every person access to all public records and Chapter 119, Florida Statutes, provide a broad definition of public records. JEA is a body politic and corporate and subject to these laws and related statutes ("Florida's Public Records Laws"). All responses to this Solicitation are public records and available for public inspection unless specifically exempt by law.

IF A BIDDER HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

JEA

**Attn: Public Records
21 West Church Street
Jacksonville, Florida 32202
Ph: 904-665-8606
publicrecords@jea.com**

Redacted Submissions

If a Bidder believes that any portion of the documents, data or records submitted in response to this Solicitation are exempt from Florida's Public Records Law, Bidder must (1) clearly segregate and mark the specific sections of the document, data or records as "Confidential," (2) cite the specific Florida Statute or other legal authority for the asserted exemption, and (3) provide JEA with a separate redacted copy of its response (the "Redacted Copy"). The cover of the Redacted Copy shall contain JEA's title and number for this Solicitation and Bidder's name, and shall be clearly titled "Redacted Copy." Bidder should only redact those portions of records that Bidder claims are specifically exempt from disclosure under Florida's Public Records Laws. If Bidder fails to submit a redacted copy of information it claims is confidential, JEA is authorized to produce all documents, data and other records submitted to JEA in answer to a public records request for such information.

In the event of a request for public records to which documents that are marked as confidential are responsive, JEA will provide the Redacted Copy to the requestor. If a requestor asserts a right to any redacted information, JEA will notify Bidder that such an assertion has been made. It is Bidder's responsibility to respond to the requestor to assert that the information in question is exempt from disclosure under applicable law. If JEA becomes subject to a demand for discovery or disclosure of Bidder's redacted information under legal process, JEA shall give Bidder prompt notice of the demand prior to releasing the information (unless otherwise prohibited by applicable law.) Bidder shall be responsible for defending its determination that the redacted portions of its response are not subject to disclosure.

By submitting a response to this Solicitation, Bidder agrees to protect, defend and indemnify JEA from and against all claims, demands, actions, suits, damages, liabilities, losses, settlements, costs and expenses (including but not limited to reasonable attorney fees and costs) arising from or relating to Bidder's determination that the redacted portions of its response to this Solicitation are not subject to disclosure.

1.3.13. CONFLICT OF INTEREST (CONSTRUCTION)

This conflict of interest policy applies to all JEA construction projects ("Project"). Any company bidding the construction phase of a Project cannot at the time of Bid submittal, be affiliated with or have any direct or indirect ownership interest in the architect/engineer ("Designer") of record. The company will also be prohibited from bidding if the Designer has any direct or indirect ownership interest in the Contractor. Should JEA erroneously award a contract in violation of this policy, JEA may terminate the contract at any time with no liability to company, and company shall be liable to JEA for all damages, including but not limited to the costs to rebid the Project. The purpose of this policy is to encourage bidding and eliminate any actual or perceived advantage that one Bidder may have over another.

1.3.14. CONSTRUCTION AND DEMOLITION DEBRIS

The Bidder shall complete and submit the Construction and Demolition Debris Disposal form which is available at www.jea.com. The Bidder shall identify, by the Certificate of Necessity number and Public Works number, the sites to which it will remove for disposal debris resulting from the Work. A list of approved sites may be obtained from the JEA Office Section or jea.com.

1.3.15. UNABLE TO SUBMIT BID FORMS

If you elect not to submit a Bid in response to this Solicitation, please complete the Unable to Submit Bid Form, available for download at www.jea.com, or by obtaining a hardcopy from the JEA Bid Office, 21 West Church St., Customer Center 1st Floor, Room 002, Jacksonville, FL 32202. The Bidder may contact the Bid Office by phone at (904) 665-6740.

Send the completed Unable to Submit Bid Form to:

JEA Bid Office
21 West Church St., CC-1, Room 002
Jacksonville, FL 32202

or fax the Unable to Submit Bid Form to: (904) 665-7095.

Do not return the entire Solicitation package; simply return the Unable to Submit Bid Form.

1.3.16. ESTIMATED QUANTITIES

On the Bid Document, JEA sets forth anticipated quantities, or estimates of anticipated purchase volumes by JEA. JEA anticipates that these quantities are reasonable and will not be exceeded. During the Bid process, if the Bidder finds any discrepancy greater than ten percent (10%) of the estimated quantity, the Bidder shall notify the JEA Representative in writing of the discrepancy. JEA will check the estimated quantity and if it is found to exceed ten percent (10%) of the estimated quantity, JEA will issue an Addendum to all Bidders.

After Award of the Contract, JEA will make payments upon the actual quantities of Work provided and JEA shall not be obligated, in any way, to pay any amounts for quantities other than those actually provided and authorized under this Contract, regardless of amount stated in the Solicitation. In the event that quantities or scope of work change after Award, the changes to price and/or scope shall be made in accordance with the terms and conditions stated in the Contract Document.

Any item not shown on the Bid Document, but shown in the drawings or Technical Specifications section, that is required to perform the Work, or that is required as part of a complete and operable system, shall be included in the Bid Price.

1.3.17. ETHICS (IFB)

By signing the Bid Form, the Bidder certifies this Bid is made without any previous understanding, agreement or connection with any other person, firm, or corporation submitting a Bid for the same Work other than as a Subcontractor or supplier, and that this Bid is made without outside control, collusion, fraud, or other illegal or unethical actions. The Bidder shall comply with all JEA and City of Jacksonville ordinances, policies and procedures regarding business ethics.

The Bidder shall submit only one (1) Bid in response to this Solicitation. If JEA has reasonable cause to believe the Bidder has submitted more than one (1) Bid for the same Work, other than as a Subcontractor or subsupplier, JEA shall disqualify the Bid and may pursue debarment actions.

The Bidder shall disclose the name(s) of any public officials who have any financial position, directly or indirectly, with this Bid by completing and submitting the Conflict of Interest Certificate Form available at jea.com. Failure to fully complete and submit the Conflict of Interest Certificate will disqualify the Bid. If JEA has reason to believe that collusion exists among the Bidders, JEA shall reject any and all Bids from the suspected Bidders and will proceed to debar Bidder from future JEA Awards in accordance with the JEA Purchasing Code.

JEA is prohibited by its Charter from awarding contracts to JEA officers or employees, or in which a JEA officer or employee has a financial interest. JEA shall reject any and all Bids from JEA officers or employees, as well as, any and all Bids in which a JEA officer or employee has a financial interest.

In accordance with Florida Statutes Sec. 287.133, JEA shall reject Bids from any persons or affiliates convicted of a public entity crime as listed on the Convicted Vendor list maintained by the Florida Department of Management Services. JEA shall not make an Award to any officer, director, executive, partner, shareholder, employee, member, or agent active in management of the Bidder listed on the Convicted Vendor list for any transaction exceeding \$35,000 for a period of thirty-six (36) months from the date of being placed on the Convicted Vendor list.

If the Bidder violates any requirement of this clause, the Bid may be rejected and JEA may debar offending companies and persons.

1.3.18. FLORIDA TRENCH SAFETY ACT

If required, the Bidder shall complete and submit with its Bid the Florida Trench Safety Act Acknowledgment form, in accordance with Florida Statutes when the Work includes trench excavations that exceed five feet in depth and as written assurance that the Bidder shall comply with all applicable trench safety standards, laws, rules and regulations during performance of any Work awarded from this Solicitation.

1.3.19. MATHEMATICAL ERRORS

In the event of a mathematical error in calculation of the prices entered on the Bid Form, the Unit Prices will prevail. The corrected Bid Price utilizing the Unit Prices will be used to determine if the Company is Awarded the Work or the Services. Subsequently, the Unit Prices will be used throughout the term of the Contract.

1.3.20. AVAILABILITY OF BIDS AFTER BID OPENING

In accordance with the Florida Public Records Law, Florida Statutes, Chapter 119, copies of all Bids are available for public inspection thirty (30) days after the opening of Bids or on the date of Award announcement, whichever is earlier. Bidders may review opened Bids once they are available for public inspection by contacting the designated Buyer or JEA's Public Records custodian whose contact information can be found at jea.com. JEA will post a summary of the Bid results immediately after the Bid opening.

1.3.21. PROTEST OF BIDDING AND AWARD PROCESS

Companies shall file any protests regarding this Solicitation in writing, in accordance with the JEA Purchasing Code, as amended from time to time. The JEA Purchasing Code is available online at jea.com.

1.3.22. SHIPPING, FREIGHT, AND TRAVEL--F.O.B. DESTINATION

The Bidder shall include the price for travel, shipment of materials and equipment in its pricing shown on the Bid Form or Bid Workbook unless otherwise stated herein. The shipment of all materials shall be F.O.B. Destination.

If the Solicitation allows for travel expenses to be billed separately, then all Bidder's travel expenses will be reimbursed in accordance with JEA's Contractor Travel Policy.

1.3.23. SUBCONTRACTORS

JEA shall specify Subcontractor work that the Company must list if the Company intends to use a Subcontractor to perform a portion of the Work, or otherwise indicates the work will be self-performed. The Subcontractor work that JEA requires to be listed is stated in the Section titled "Required Forms to be Submitted with the Bid". The major Subcontractor(s) shall be listed on the Subcontractor Form which is available at jea.com. Failure to submit the required Subcontractor information on the form along with the Bid shall result in rejection of Company's Bid.

The Company shall not use Subcontractors and subsuppliers/shop fabricators other than those shown on the Subcontractor form unless it shows good cause and obtains the JEA Representative's prior written consent. In cases where the Subcontractor or subsupplier/shop fabricator is a JSEB firm, the City of Jacksonville Ombudsman will review the substitution request, and make a written recommendation prior to the JEA Representative's written consent.

If the Company plans to use Subcontractors or subsupplier/shop fabricators to perform over sixty-two percent (62%) of the Work, the Company shall obtain JEA's approval at least five (5) days prior to the Bid Due Date. Failure to obtain JEA approval will disqualify the Company and result in rejection of Company's Bid.

1.3.24. CERTIFICATION AND REPRESENTATIONS OF THE BIDDER

By signing and submitting a Bid, the Bidder certifies and represents as follows:

- A. That it has carefully examined all available records and conditions, including sites if applicable, and the requirements and specifications of this Solicitation prior to submitting its Bid. Where the Bidder visits sites, no Work or other disturbance is to be performed while at the site without written permission by JEA in advance of the site visit. The Bidder shall comply with all safety requirements described in the Solicitation and shall be prepared to show proof of insurance
- B. That every aspect of its submitted Bid, including the Bid Price and the detailed schedule for the execution of the Work, are based on its own knowledge and judgment of the conditions and hazards involved, and not upon any representation of JEA. JEA assumes no responsibility for any understanding or representation made by any of its representatives during or prior to execution of the Contract unless such understandings or representations are expressly stated in the Contract and the Contract expressly provides that JEA assumes the responsibility.
- C. That the individual signing the Bid Documents is a duly authorized agent or officer of the firm. Bids submitted by a corporation must be executed in the corporate name by the President or Vice President. If an individual other than the President or Vice President signs the bid, satisfactory evidence of authority to sign may be requested by JEA. If the Bid is submitted by a partnership, the bid must be signed by a partner whose title must appear under the signature. If an individual other than a partner signs the bid, satisfactory evidence of authority to sign may be requested by JEA. The corporation or partnership must be in active status at the Florida Division of Corporations at the time of contract execution.
- D. That the firm maintains an active status any and all licenses, permits, certifications, insurance, bonds and other credentials including, but not limited to, contractor's license and occupational licenses necessary to perform the Work. The Bidder also certifies that, upon the prospect of any change in the status of applicable licenses, permits, certifications, insurances, bonds or other credentials, the Bidder shall immediately notify JEA of status change.
- E. That Bidder has read, understands these instructions and will comply with the Section titled Ethics.

2. CONTRACT TERMS AND CONDITIONS

2.1. CONTRACT DOCUMENT AND TERMS AND CONDITIONS

Provided below are the Contract terms and conditions that will be incorporated by reference in the Contract Document executed by the Company and JEA. The Contract Document will incorporate by reference the terms contained in the Solicitation portion of this document provided in Section 1, the Contract Terms provided in Section 2; and the Technical Specifications provided in Section 3. An example of the Contract that the Company will be required to execute is available for review at jea.com.

2.2. DEFINITIONS

2.2.1. DEFINITIONS

Words and terms defined in this section shall have the same meaning throughout all parts of this Solicitation and Contract Documents. Where intended to convey the meaning consistent with that set forth in its definition, a defined word or term is marked by initial capitalization. The "Technical Specifications" portion of this Solicitation may define additional words and terms where necessary to clarify the Work. Unless otherwise stated in this Solicitation and/or Contract Documents, definitions set forth in the "Technical Specifications" shall apply only within the "Technical Specifications."

2.2.2. ACCEPTANCE

JEA's written notice by the Contract Administrator to the Company that all Work as specified in the Contract, or a portion of the Work as specified in a Task or Work Order, has been completed to JEA's satisfaction. Approval or recognition of the Company meeting a Milestone or interim step does not constitute Acceptance of that portion of

Work. Acceptance does not in any way limit JEA's rights under the Contract or applicable laws, rules and regulations.

2.2.3. ADDENDUM/ADDENDA

A written change or changes to the Solicitation which is issued by JEA Procurement Services and is incorporated into the Solicitation as a modification, revision and/or further clarification of the intent of the Solicitation.

2.2.4. ADMINISTRATIVE WORK

Actions primarily performed in an office environment and associated with preparing to perform or administer the Work including, but not limited to, preparing Work schedules, obtaining bonds, executing Contracts, securing resources and other actions specified in the Solicitation, or otherwise prudent to ensure a timely, safe and otherwise compliant start and performance of Field Work. Administrative Work is not performed at the Work Location.

2.2.5. ANNIVERSARY DATE

The date which is twelve (12) months after the effective date of the Contract, and each date which is twelve (12) months after an Anniversary Date that occurs while the Contract is in effect.

2.2.6. APPLICATION FOR PAYMENT

The form required for payment which shall include all items required pursuant to the contract for the payment to be processed by JEA. Such form shall require the Contractor expressly state that the Contractor has fulfilled all obligations for the previous payments issued to the Contractor, including payment for subcontractors and materials. The Application for Payment includes all forms and supporting documentation as required by the Contract documents.

2.2.7. APPROVED SCHEDULE

A Critical Path Method Schedule or a Summary Schedule for the Work approved in writing by the Contract Administrator.

2.2.8. AWARD

The written approval of the JEA Awards Committee that the procurement process for the purchase of the Work was in accordance with the JEA Procurement Code and Florida Statutes. Once an Award is approved, JEA will either issue a Purchase Order or execute a Contract with the successful bidder or proposer.

2.2.9. BID DOCUMENTS

The forms required to be submitted to JEA as the Company's offer to perform the Work or Services described herein. The Bid Documents can include, but is not limited to, the Bid Form, Bid Workbook, Minimum Qualifications Form, certifications and/or other required submittals. The Bid Documents may also be referred to as the "Bid Form".

2.2.10. BID OR PROPOSAL

The document describing the Bidder's offer submitted in response to this Solicitation. Bid and Proposal shall be considered synonymous for the purpose of this Contract.

2.2.11. BID PRICE

The total dollar amount of the Bidder's offer to successfully perform the Work or Services in accordance with the Contract Documents.

2.2.12. BIDDER OR PROPOSER

The respondent to this Solicitation. Bidder and Proposer shall be considered synonymous for the purpose of this Solicitation.

2.2.13. CHANGE ORDER

A written order issued after execution of the Contract to the Company signed by the Contract Administrator, or his designated representative, authorizing an addition, deletion, or revision of the Work, or an adjustment in the Contract Price or the Contract Time. Change Orders do not authorize expenditures greater than the monies encumbered by JEA, which is shown on the associated Purchase Order(s). An executed Change Order resolves all issues related to price and time for the Work included in the Change Order. A Change Order that involves a material change to the Contract may result in a Contract Amendment.

2.2.14. COMPANY

The legal person, firm, corporation or any other entity or business relationship with whom JEA has executed the Contract. Where the word "Company" is used it shall also include permitted assigns. Prime Contractor, Contractor, Vendor, Supplier and Company shall be considered synonymous for the purpose of the Contract.

2.2.15. COMPANY REPRESENTATIVE

The individual responsible for representing the Company in all activities concerning the fulfillment and administration of the Contract.

2.2.16. COMPANY SUPERVISOR

The individual, employed or contracted by the Company, to manage the Work on a day-to-day basis and ensure the Work is performed according to the Contract. The Company Supervisor may be authorized by the Company Representative to act on Contract matters. Such authorization shall be in writing and delivered to the Contract Administrator and shall clearly state the limitations of any such authorization. In the event that the Company Supervisor and the Company Representative is the same person, the Company shall notify the Contract Administrator of such situation.

2.2.17. CONTRACT

An agreement between JEA and the Company, signed by both parties, which incorporates all the Contract Documents. The Contract shall not be altered without an Amendment to the Contract and executed by JEA and the Company, or a JEA issued Change Order.

2.2.18. CONTRACT ADMINISTRATOR

The individual assigned by JEA to have authority to administer the Contract, including the authority to negotiate all elements of the Contract with the Company, authorize Change Orders within the maximum amount awarded, terminate the Contract, seek remedies for nonperformance including termination, and otherwise act on behalf of JEA in all matters regarding the Contract. The Contract Administrator may authorize JEA Representative in writing to make minor changes to the Work with the intent of preventing Work disruption.

2.2.19. CONTRACT DOCUMENTS

Contract Documents, also referred to as the "Contract" means the executed Contract, all Solicitation documents and Bid Documents as further described in the Section of the Solicitation titled "Contract Documents", and any written Change Orders, amendments or Purchase Orders executed by JEA, and insurance and/or bonds as required by the Contract.

2.2.20. CONTRACT PRICE

The total amount payable to the Company during the initial Term of the Contract. However, this amount is not a guaranteed amount. Also referred to as the "Maximum Indebtedness" of JEA.

2.2.21. CONTRACT TIME (CONSTRUCTION)

The number of calendar days or the period of time from when the written Purchase Order is issued to the Company to Substantial Completion and Acceptance of the Work.

2.2.22. CONTRACTOR

The legal person, firm, corporation or any other entity or business relationship with whom JEA has executed the Contract. Where the word "Contractor" is used it shall also include permitted assigns. Contractor and Company shall be considered synonymous for the purpose of the Contract.

2.2.23. CRITICAL PATH METHOD (CPM) SCHEDULE

A schematic display of the sequential and logical relationship of all activities that comprise the Work. Using a combination of duration, early and late start dates, and early and late finish dates, a critical path is established as the path of interdependent activities that must be sequentially performed and that require a longer total time to perform than any other such series. CPM Schedules suitable for use on this Contract use GANNT Precedence formats.

2.2.24. CUSTOMER SERVICE PLAN

The Company's plan to achieve customer satisfaction requirements as determined by JEA and JEA Project Outreach, which shall include, as a minimum, the name and office phone number, cell phone number, email address, Nextel Direct Connect number, and fax number of Company's Customer Service Representative, a detailed flow chart on how the Company will handle customer concerns, preemptive customer satisfaction control measures (such as door hangers provided by JEA, and neighborhood meetings in conjunction with JEA staff) and a plan to reduce the number of customer concerns surrounding construction Work addressing, as a minimum, the construction practices that will eliminate damage to customers' property including, but not limited to, cracked driveways, tire ruts in customers' yards, blocking customers' access to driveways, cutting customers' services during tie-in, excessive noise from construction equipment, and elimination of dust during construction Work.

2.2.25. DEFECT

Work that fails to reach Acceptance, or Work that fails meet the requirements of any required test, inspection or approval, and any Work that meets the requirements of any test or approval, but nevertheless does not meet the requirements of the Contract Documents.

2.2.26. ENVIRONMENTAL REGULATIONS

All laws, ordinances, statutes, codes, rules, regulations, agreements, judgments, orders, and decrees, now or hereafter enacted, promulgated, or amended, of the United States, the states, the counties, the cities, or any other political subdivisions in which the Work Location is located, and any other political subdivision, agency or instrumentality exercising jurisdiction over JEA, the Work Location, or the use of the Work Location, relating to pollution, the protection or regulation of human health, natural resources, or the environment, or the emission, discharge, release or threatened release of pollutants, contaminants, chemicals, or industrial, toxic or hazardous substances or waste or Hazardous Materials (as defined in this Contract) into the environment (including, without limitation, ambient air, surface water, ground water or land or soil).

2.2.27. EQUAL ITEM

Item a Bidder chooses to offer in place of offering the brand name or manufacturer's item specified on the Bid Document when the Bid Document clearly states that the Bidder may offer such an item.

2.2.28. FIELD WORK

Actions associated with meeting the requirements of the Contract other than Administrative Work. Field Work is primarily performed at the Work Location.

2.2.29. FINAL COMPLETION

The point in time after JEA makes the determination that the Work is completed and there is Acceptance by JEA, and the Company has fulfilled all requirements of the Contract Documents.

2.2.30. FINAL PAYMENT

The Final Payment for all Work performed. Final Payment shall not be made until the Company has complied with all the Contract requirements, and provided as necessary close-out documents as contained in the Contract.

2.2.31. HAZARDOUS MATERIALS

Any substance which is or contains (i) any "hazardous substance" as now or hereafter defined in the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended (42 U.S.C. '9601 et seq.) ("CERCLA") or any regulations promulgated under or pursuant to CERCLA; (ii) any "hazardous waste" as now or hereafter defined in the Resource Conservation and Recovery Act (42 U.S.C. '6901 et. seq.) ("RCRA") or regulations promulgated under or pursuant to RCRA; (iii) any substance regulated by the Toxic Substances Control Act (15 U.S.C. '2601 et seq.); (iv) gasoline, diesel fuel, or other petroleum hydrocarbons; (v) asbestos and asbestos containing materials, in any form, whether friable or non-friable; (vi) polychlorinated biphenyls; (vii) radon gas; and (viii) any additional substances or materials which are now or hereafter classified or considered to be hazardous or toxic under Environmental Requirements (as hereinafter defined) or the common law, or any other applicable laws relating to the Licensed Property. Hazardous Materials shall include, without limitation, any substance, the presence of which on the Licensed Property, (A) requires reporting, investigation or remediation under Environmental Requirements; (B) causes or threatens to cause a nuisance on the Licensed Property or adjacent property or poses or threatens to pose a hazard to the health or safety of persons on the Licensed Property or adjacent property; or (C) which, if it emanated or migrated from the Licensed Property, could constitute a trespass.

2.2.32. HOLIDAYS

The following days: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Day after Thanksgiving, Christmas Eve Day, and Christmas Day.

2.2.33. INVOICE

A document seeking payment to Company from JEA for all or a portion of the Work, in accordance with the Contract Documents, and including at a minimum the following items: the Company's name and address, a description of the product(s) or service(s) rendered, a valid JEA PO number, the amount payable, the Unit Price, the payee name and address, any associated JSEB forms and any other supporting documentation required by the Contract Documents.

2.2.34. JEA

JEA on its own behalf, and when the Work involves St. Johns River Power Park (SJRPP), as agent for Florida Power and Light Company (FPL). JEA and FPL are co-owners of SJRPP.

2.2.35. JEA ENGINEER

The individual assigned by JEA (either an employee or a third party) to provide licensing, engineering, design review, and/or construction management including, but not limited to, overseeing and resolving engineering/design issues, conveying JEA's instructions to the Company and enforcing the faithful performance of the Work. The JEA Engineer's authority includes interpreting the technical portion of the Contract Documents, deciding on matters relating to the execution and progress of the Work and evaluating the Company's performance. The JEA Engineer may stop the Work when deemed necessary by JEA. The JEA Engineer will receive and adjudicate any claim of ambiguity or error in the technical portion of the Contract Documents and shall reduce any determination to writing, and the decision shall be final and binding. The JEA Engineer is not a party to the Contract. The JEA Engineer has no authority to approve changes to the Work or Contract, or to commit JEA to any expenditure of money except as expressly designated in writing by the Contract Administrator.

2.2.36. JEA INSPECTOR

The individual(s) or company(ies) designated by the Contract Administrator to inspect and test the Company's performance and Contract compliance including materials, workmanship, safety, environmental compliance, JSEB compliance, project controls, administration and accounting, and other aspects of Contract compliance. The JEA Inspector has no authority to approve changes to the Work or Contract, or to commit JEA to any expenditure of money except as expressly designated in writing by the Contract Administrator.

2.2.37. JEA REPRESENTATIVES

The Contract Administrator, Contract Inspector, Contract Administrator's Representative, JEA Engineer, Field Engineer, Project Manager, and other persons designated by the Contract Administrator as JEA Representatives acting in a capacity related to the Work or Contract under the authority of the Contract Administrator.

2.2.38. LUMP SUM BULK BID PRICE

The total amount payable to the Company under the Contract Documents for performing the bulk bid Work.

2.2.39. MILESTONE

A point in time representing a key or important intermediate event in the Work. A Milestone is to be capable of validation by meeting all of the items prescribed in a defining checklist as agreed to in writing by JEA.

2.2.40. NOTICE TO PROCEED

The written notice duly authorized and delivered by JEA that authorizes the Company to begin the Work. The Notice to Proceed is normally issued in the form of a Purchase Order, unless otherwise specified in the Contract Documents.

2.2.41. OVERTIME

Work approved in writing by the Contract Administrator that is required to be performed beyond an employee's scheduled workday or work week, including Work performed on Holidays.

2.2.42. PAYMENT AND PERFORMANCE BONDS

The common-law Performance Bond and the statutory Payment Bond contemplated by Section 255.05, Florida Statutes in the form required by JEA.

2.2.43. PRE-WORK MEETING

A meeting conducted after Award and prior to the start of any Field Work between JEA and the Company. The purpose of the meeting may include, but is not limited to orientation, schedule, certification and permitting, and other preparatory or Work execution details.

2.2.44. PERFORMANCE - ACCEPTABLE PERFORMANCE/PERFORMER

The Company averages more than 2.80 and less than 4.0 across all performance scorecard evaluation metrics, and does not receive a score of less than 2.0 on any metric.

2.2.45. PERFORMANCE - TOP PERFORMANCE/PERFORMER

The Company averages 4.0 or more across all scorecard evaluation metrics and does not receive a score of less than 4.0 on any one metric.

2.2.46. PERFORMANCE - UNACCEPTABLE PERFORMANCE/PERFORMER

The Company averages less than 2.80 across all scorecard evaluation metrics, or scores a 1.0 on any one metric regardless of average, or receives a score of 2.0 on the same metric on two sequential performance evaluations.

2.2.47. PURCHASE ORDER (PO)

A commercial document issued by JEA, authorizing work, indicating types, quantities, and agreed prices for products or services the Company will provide to JEA. Sending a PO to a Company constitutes a legal offer to buy products or services. The words "Purchase Order" are clearly marked across the top, a PO number is used for reference and invoicing purposes, includes an authorized JEA signature, and states the dollar amount of the lawfully appropriated funds.

2.2.48. QUALITY ASSURANCE

Actions that JEA takes to assess the Company's performance under the Contract.

2.2.49. QUALITY CONTROL

Actions that the Company takes to ensure it successfully completes the Work in full accordance with the Contract Documents.

2.2.50. SCHEDULE

All documentation related to the planning and scheduling of the Work as described in these Terms and Conditions.

2.2.51. SHOP DRAWINGS (DEFINITION)

Drawings, electronic and hard copy, that detail the fabrication, erection, layout and setting drawings; manufacturer's standard drawings; schedules; descriptive literature, catalogs and brochures; performance and test data; wiring and control diagrams; all other drawings and descriptive data pertaining to materials, equipment, piping, duct and conduit systems, and method of construction as may be required to show the JEA Engineer that the proposed materials, equipment or systems and the position thereof are in compliance with the requirements of the Contract Documents.

2.2.52. SOLICITATION

The documents (which may be electronic) issued by JEA's Procurement Department to solicit Bids from Bidders that includes, but is not limited to, the Bid Documents, Bid Workbook, samples of documents, contractual terms and conditions, the Technical Specifications, and associated Addenda.

2.2.53. SUBCONTRACTOR

A provider of services performing Work under contract for the Company.

2.2.54. SUBSTANTIAL COMPLETION (DEFINITION)

The time when JEA determines that the Work (or a specified part thereof) is substantially complete, in accordance with the Contract Documents. Additionally, all work other than incidental corrective and incidental punch list work items shall be completed. Substantial Completion shall not have been achieved if all systems and parts are not functional, if utilities are not connected and operating normally, if all required regulatory permits and approvals have not been issued, or if all vehicular and pedestrian traffic routes affected by the Work have not been restored. The date of Substantial Completion shall be established in writing by JEA. Recognition of the Work as Substantially Complete, as evidenced by issuance of a Certificate of Substantial Completion, does not represent JEA's Acceptance of the Work.

2.2.55. SUMMARY SCHEDULE

A diagram displaying the Milestones for the Work graphically positioned on a timeline, showing at a minimum the calendar dates on which each Milestone is scheduled to be completed for Acceptance.

2.2.56. SUPPLEMENTAL WORK AUTHORIZATION (SWA)

A written order, issued at the sole discretion of the JEA representative, which incorporates cost or schedule changes into the Contract. The SWA shall be used for increases or decreases in the Contract Price within the SWA amount set forth on the Bid Form, or to make changes in the schedule for performance of the Work, or to authorize the Company to perform changes in the Work.

2.2.57. TASK ORDER

A document that describes the Work or describes a series of tasks that the Company will perform in accordance with the Contract Documents. A Task Order may be issued as an attachment to a Purchase Order, but the Task Order is neither a Purchase Order, nor a Notice to Proceed.

2.2.58. TERM

The period of time during which the Contract is in force or until the Contract's Maximum Indebtedness is reached, whichever occurs first.

2.2.59. UNIT PRICES

The Bidder's charges to JEA for the performance of each respective unit of Work as defined on the Bid Documents, Bid Workbook, Bid Form or in the Contract Documents.

2.2.60. WORK LOCATION (DEFINITION)

The place or places where the Work is performed, excluding the properties of the Company and/or the Subcontractor(s).

2.2.61. WORK OR SCOPE OF SERVICES

Work includes as defined in the Contract Documents all actions, products, documentation, electronic programs, reports, testing, transport, administration, management, services, materials, tools, equipment, and responsibilities to be furnished or performed by the Company under the Contract, together with all other additional necessities that are not specifically recited in the Contract, but can be reasonably inferred as necessary to complete all obligations and fully satisfy the intent of the Contract.

2.3. CONTRACT DOCUMENTS

2.3.1. ORDER OF PRECEDENCE

The Contract shall consist of JEA's Contract and/or Purchase Order together with the Solicitation including, but not limited to, the executed Bid Documents, which shall be collectively referred to as the Contract Documents. This Contract is the complete agreement between the parties. Parol or extrinsic evidence will not be used to vary or contradict the express terms of this Contract. The Contract Documents are complementary; what is called for by one is binding as if called for by all. The Company shall inform JEA in writing of any conflict, error or discrepancy in the Contract Documents upon discovery. Should the Company proceed with the Work prior to written resolution of the error or conflict by JEA, all Work performed is at the sole risk of the Company. JEA will generally consider this precedence of the Contract Documents in resolving any conflict, error, or discrepancy:

- o Executed Contract Amendments
- o Exhibits to Contract Documents
- o Executed Contract Documents
- o Purchase Order(s)
- o Addenda to JEA Solicitation
- o Drawings associated with this Solicitation
- o Exhibits and Attachments to this Solicitation
- o Technical Specifications associated with this Solicitation
- o This Solicitation
- o Bid Documents
- o References

The figure dimensions on drawings shall govern over scale dimensions. Contract and detailed drawings shall govern over general drawings. The Company shall perform any Work that may reasonably be inferred from the Contract as being required whether or not it is specifically called for. Work, materials or equipment described in words that, so applied, have a well-known technical or trade meaning shall be taken as referring to such recognized standards.

2.4. PRICE AND PAYMENTS

2.4.1. PAYMENTS

2.4.1.1. PAYMENT METHOD – SCHEDULE OF VALUES

The Company shall submit to JEA a monthly Application for Payment that details the Work completed during that month. The Company shall request payment in accordance with the amounts/percentages set forth on the Schedule of Values that the Company submitted prior to the start of the Contract. The Schedule of Values is defined as an itemized list that establishes the value of each part of the Work for a stipulated price and for major lump sum items in a unit price contract. JEA will determine, either by measurement or approximation, the final quantities

incorporated into the Work under items for which Unit Prices are established in the Contract Documents. JEA's determination as to the quantity of the Work successfully completed shall be final.

2.4.2. OFFSETS

In case the Company is in violation of any requirement of the Contract, JEA may withhold payments that may be due the Company, and may offset existing balances with any JEA incurred costs against funds due the Company under this and any other Company Contract with JEA, as a result of the violation, or other damages as allowed by the Contract Documents and applicable law.

2.4.3. DISCOUNT PRICING

JEA offers any or all of the following option payment terms, one of which may be executed at the request of the Company by sending an email to the JEA Buyer listed in this Solicitation:

- o 1% 20, net 30
- o 2% 10, net 30

Company may request alternate payment terms for JEA's consideration, however, alternate payment terms are not effective until acceptance by JEA in writing. Please note, all payment dates are calculated from the date of the Invoice receipt by JEA's Accounts Payable.

2.4.4. COST SAVINGS PLAN

During the Term of this Contract, JEA and Company are encouraged to identify ways to reduce the total cost to JEA related to the Work provided by the Company ("Cost Savings Plan"). JEA and Company may negotiate Amendments to this Contract that support and allow such reductions in total costs including, but not limited to, the sharing of savings resulting from implementation of cost-reducing initiatives between JEA and Company. The decision to accept any cost savings plan shall be in the sole discretion of JEA, and JEA shall not be liable to Company for any cost that may be alleged to be related to a refusal to accept a Cost Savings Plan proposed by Company.

2.4.5. TAXES

JEA is authorized to self-accrue the Florida Sales and Use Tax and is exempt from Manufacturer's Federal Excise Tax when purchasing tangible personal property for its direct consumption.

2.4.6. JSEB COMPLIANCE

2.4.6.1. COMPLIANCE WITH JSEB REQUIREMENTS

The Company shall achieve the JSEB participation requirements as set forth in the Solicitation, except as allowed under the good faith efforts exception as defined in the City of Jacksonville Ordinance. In no case shall the Company make changes to the JSEB firms listed in its Bid, revise the JSEB scope of Work or amount of Work as stated in its Bid without prior written notice to the Contract Administrator, and without subsequent receipt of written approval from the Contract Administrator.

The City of Jacksonville requirements as outlined in the City of Jacksonville Ordinance relating to JSEBs shall apply in their entirety to this Contract. Where the City of Jacksonville ordinance refers to "Chief", it shall be construed to mean, for purposes of this Contract, JEA's Chief Purchasing Officer. In a like manner, where it refers to "City", or "City of Jacksonville", it shall be construed to mean JEA.

Use of brokering, as defined in the City of Jacksonville Ordinance, or other techniques that do not provide a commercially useful function are strictly prohibited as means of achieving the JSEB requirements of the Contract. Only the amount of fees or commissions charged by a JSEB for providing a bona fide service such as professional, technical, consultant, or managerial services, or for providing bonds or insurance specifically required for the performance of a contract shall be counted towards a JSEB participation requirement, provided the fee is reasonable and not excessive as compared with fees customarily charged for similar services.

Payment terms for participating JSEB firms shall be the same or better than the payment terms the Company receives from JEA, except that in all cases JSEB firms shall be allowed to submit invoices to the Company at least bimonthly and the Company shall pay proper invoices no later than 3 days after its receipt of JEA payment. The Company shall obtain written approval from the Contract Administrator prior to withholding any payment from JSEB firm.

If the Company uses a JSEB qualified firm for the performance of any part of this Work, the Company shall submit to JEA, with its Invoice, a listing of JSEB qualified firms that have participated in the Work. Such listing shall be made using the form "Monthly Report for COJ/JEA JSEB Participation" available at www.jea.com

The Company agrees to let JEA audit its financial and operating records with one day of notice, and during normal business hours, at its corporate offices for the purpose of determining compliance with all JSEB requirements of the Contract Documents.

If the Company violates any provision regarding JSEB, including, but not limited to, program intent, the Company shall be subject to any or all of the following, plus any other remedies available to JEA under law:

- o Terminate the Contract for breach
- o Suspend the Company from bidding any JEA projects as follows:
 - o First offense: six (6) months
 - o Second offense: one (1) year
 - o Third offense: three (3) years
- o Revoke Company's JSEB certification if the Company itself is certified as a JSEB.

2.4.7. JSEB - INVOICING AND PAYMENT

If the Company utilizes JSEB certified firms, regardless of whether these Contract Documents require or encourage the use of such firms, the Company shall Invoice for and report the use of JSEB certified firms according to the format and guidelines established by the City of Jacksonville.

2.4.8. INVOICING AND PAYMENT TERMS AND RETAINAGE

Within sixty (60) days of completion of the Work, the Company shall submit all Invoices or Applications for Payment in accordance with the payment method agreed upon in these Contract Documents. All Invoices shall be submitted to the following address:

JEA Accounts Payable
P.O. Box 4910
Jacksonville, FL 32201-4910

JEA will pay the Company the amount requested less any holdbacks or retainage set forth in herein within thirty (30) calendar days after receipt of an Invoice from the Company subject to the provisions stated below.

JEA may reject any Invoice or Application for Payment within twenty (20) calendar days after receipt. JEA will return the Invoice or Application for Payment to the Company stating the reasons for rejection. Upon receipt of an acceptable revised Invoice or Application for Payment, JEA will pay the Company the revised amount within ten (10) days.

JEA may withhold payment if the Company is in violation of any conditions or terms of the Contract Documents.

As security for the proper performance of the Work, JEA may deduct ten percent (10%) retainage, or such other amount allowable pursuant to Florida law, from the amount stipulated in the Invoice or Application for Payment. In accordance with Florida Statutes, after completion of fifty percent (50%) of the Work, a maximum retainage of five percent (5%) may be deducted. For the purposes of this section, "completion of fifty percent of the Work" shall be defined as the point at which fifty percent (50%) of the total cost of the Work, as defined, and inclusive of authorized change orders, has been expended by JEA.

In the case of early termination of the Contract, all payments made by JEA against the Contract Price prior to notice of termination shall be credited to the amount, if any, due the Company. If the parties determine that the sum of all previous payments and credits exceeds the sum due the Company, the Company shall refund the excess amount to JEA within ten (10) days of determination or written notice.

2.4.9. PROMPT PAYMENT TO SUBCONTRACTORS, SUB-SUBCONTRACTORS AND SUPPLIERS

When the Company receives payment from JEA for labor, services or materials furnished by Subcontractors and suppliers that are hired by the Company, the Company shall remit payment due (less proper retainage) to those Subcontractors and suppliers within ten (10) days after the Company's receipt of payment from JEA. Nothing herein shall prohibit the Company from disputing, pursuant to the terms hereof, all or any portion of a payment alleged to be due to its Subcontractors and suppliers. In the event of such dispute, the Company may withhold the disputed portion of any such payment only after the Company has provided written notice to JEA and to the Subcontractor and supplier whose payment is in dispute, stating the amount in dispute and specifically describing the actions required to cure the dispute. The Company shall deliver such notice to JEA and to the said Subcontractor or supplier within ten (10) days following the Company's receipt of payment from JEA. The Company shall pay all undisputed amounts due within the time frames specified herein.

The prompt payment requirements herein shall, in no way, create any contractual relationship or obligation between JEA and any Subcontractor, supplier, JSEB, or any third-party, nor create any JEA liability for the Company's failure to make timely payments as required. The Company's failure to comply with the prompt payment requirements, however, shall constitute a material breach of its contractual obligations to JEA. As a result of such breach, JEA, without waiving any other available remedy it may have against the Company, may issue joint checks and charge the Company a 0.2% daily late payment interest charge or charges as specified within the Florida Statutes, whichever is greater.

2.4.10. PUNCH LIST: SECTION 218.735, FLORIDA STATUTES

Within 30 calendar days after reaching Substantial Completion, as defined herein, the parties shall jointly develop a final list of items required to render the Work complete, satisfactory, and acceptable (the "Punch-list"). If the parties cannot agree on the Punch-list, JEA will develop a Punch-list and deliver it to Company within thirty-five (35) days after Substantial Completion. If the Work involves more than one building or structure or involves a multi-phased project, one Punch-list should be developed for each building, structure, or phase. Failure to include corrective work on the Punch-list does not relieve the Company from its responsibility to complete the Work required by the Contract.

Final Completion must be achieved within thirty (30) days after delivery of the Punch-list to Company. Notwithstanding anything in the Contract Documents to the contrary, damages may not be assessed against Company for failing to complete the Work unless Company fails to complete the Work within such thirty (30) day period.

2.4.11. SUBSTANTIAL COMPLETION

The Company shall notify JEA in writing when a portion of the Work is Substantially Complete. The Company shall identify any deficiencies in the Work. JEA will inspect the Work and will give the Company written notice of either acceptance or rejection of the Work as Substantially Complete and provide a list of additional deficiencies. The Company shall correct all deficiencies prior to Final Completion of the Work by JEA.

Whenever any portion of the Work is Substantially Complete, JEA may use it. Such use shall not be held in any way as an Acceptance of the Work or as a waiver of any provisions of the Contract.

2.4.12. CERTIFICATE OF CONTRACT COMPLETION AND FINAL PAYMENT

Company shall complete and submit to JEA the Certificate of Contract Completion, which can be found on jea.com, as notice that the Work, including the correction of all deficiencies outlined in the Punch-list, is complete.

By submitting the certificate, the Company certifies the following:

- o The Work, including all Punch-list items, has been satisfactorily completed; and

- o No liens have attached against the property and improvements of JEA; and
- o No notice of intention to claim liens are outstanding; and
- o No suits are pending by reason of the Work; and
- o All workers' compensation claims known to the Company have been reported to JEA; and
- o The surety provides a release; and
- o All warranties, equipment manuals and other documentation have been provided; and
- o No public liability claims are pending.

The Company shall submit its final Invoice with the completed Certificate of Contract Completion. JEA shall make Final Payment in accordance with the provisions contained herein. Final Payment includes payment of any retainage held.

2.5. SCHEDULES, REPORTING REQUIREMENTS AND LIQUIDATED DAMAGES

2.5.1. WORK SCHEDULES

The Approved Schedule is referenced in the Technical Specifications attached to this Solicitation. If no schedule is provided, then the established schedule is based on working five (5) days per week, single shift, eight (8) hours per day or four (4) days per week, single shift, ten (10) hours per day. JEA may require the Company to base its schedule on an accelerated Work schedule or multiple shifts. The Company shall not schedule work on Holidays without obtaining prior written approval from JEA.

The Company shall, at no additional cost to JEA, increase or supplement its working force and equipment and perform the Work on an overtime or multiple shift basis when directed by JEA and upon notification that the Company is behind schedule. The Company shall submit a revised schedule in writing demonstrating the Company's schedule recovery plans.

The Company understands and agrees that the rate of progress set forth in the Approved Schedule already allows for ordinary delays incident to the Work. No extension of the Contract Term will be made for ordinary delays, inclement weather, or accidents and the occurrence of such events will not relieve the Company from requirement of meeting the approved schedule.

2.5.2. CRITICAL PATH METHOD (CPM) SCHEDULING (UNDER \$5 MILLION)

The Contractor shall use the Critical Path Method (CPM) to schedule and manage the Work. A qualified member of the Contractor's personnel shall do scheduling using CPM. If the Contractor does not have staff capable of preparing and managing CPM schedules, the Contractor shall obtain such qualified personnel on a subcontract basis for the purpose of supporting this Contract.

All CPM scheduling will be performed using CPM precedence diagramming method (PDM) scheduling software such as, Primavera P3, Primavera SureTrak (a low-cost CPM software for small businesses), Primavera P3e/c for construction, Primavera Contractor, Artemis Artviews, or a CPM scheduling software compatible with Primavera P3e import capabilities, integrated as part of a Contractor-wide ERP. The Contractor shall submit all schedules and associated reports to the Contract Administrator in paper and/or electronic formats as described below in order to allow both complete analysis of the schedules and accurate record keeping.

CPM Schedule Terminology:

"Activity" means any single, continuous, identifiable task in the total Work. The project work scope is sub-divided into work tasks that are represented in the schedule software as activities. How finely the project scope is subdivided into tasks determines the "level of detail" within the schedule. JEA retains the right to reject a schedule for insufficient levels of activity detail.

"Milestone" or "Event" means the instant of time at which a significant task within the project is commencing or completing. A milestone or event is an activity in the scheduling software with an estimated duration of zero.

"Precedence relationships" means the logical relationships created in the scheduling software to sequence the performance of the work tasks identified by activities or milestones. Precedence relationships can be categorized in 4 groups - Finish-to-start, Start-to-Start, Finish-to-Finish, and Start-to-Finish. The interface between activities created by precedence relationships creates a PDM network logic. A PDM logic where estimated durations have not been assigned to the activities constitutes a network "Plan". Once activities are assigned estimated durations, the software interfaces durations and the network logic to calculate a "Schedule" based on the Plan.

"Initial Schedule" means the schedule that is proposed before any work has commenced against the project. The initial schedule differs from a current schedule only such that no activities have begun. Initial Schedules are usually the first schedules submitted for approval to the JEA representative. An Initial Schedule has no standing and is considered a working document or proposal.

"Current Schedule" means the schedule that has progress information (updates) reported against in-progress and completed activities. Update information is used to re-calculate / reforecast the most likely "early start" dates of the remaining incomplete activities as sequenced by the Plan. This calculation establishes to the earliest forecasted completion date of the project which allows project managers to determine if they are ahead, on, or behind schedule to meet the contractual completion date. A current schedule has no standing and is considered a working document to evaluate progress against an Approved Schedule.

"Original Schedule" is the first schedule that is approved by the JEA representative. In some extraordinary cases a Current Schedule may be accepted as the Original Schedule if no Initial Schedule is approved before work commences. The Original Schedule is the first schedule that is "targeted" as an Approved Schedule.

"Target Schedule" means a copy of the schedule where dates are frozen and those dates are not allowed to be modified by progress reporting, schedule changes, or further recalculations. Target Schedules take current schedule information which is dynamic and establishes static schedule data for comparison purposes. A project can have multiple Target Schedules (i.e. - copies of the schedule made at different times during project execution). The Original Schedule is usually the first Target Schedule to be generated within a project.

"Approved Schedule" is the Target Schedule that is approved by the JEA Representative. An Approved Schedule is the official schedule used to measure schedule performance against the Current Schedule. The first Approved Schedule is the Original Schedule and subsequent Approved Schedules are generated when the JEA representative agrees to revision(s) of the Approved Schedule. The Approved Schedule may be referred to as the Baseline Schedule or current Baseline Schedule.

"CPM Network" means a transferable electronic copy of project software data and files and includes, but is not limited to, activities, milestones, calendar definitions, precedence relationships including any relationship lag periods, date constraints (e.g. start on or before, start on or after, finish on, finish on or before, finish on or after, as late as possible, zero free float, zero total float, etc.), target schedules, project and activity code definitions, resource definitions, resource assignments, project values (e.g. the data date/time now value, settings for project-activity processing options, etc.), and all information that can be generated from such data.

Schedule Requirements

General - The Contractor is advised that its schedule and reports as specified herein will be an integral part of JEA's management program. The Contractor's schedules will be used by JEA to monitor project progress, plan the level of effort by its own forces and consultants, and as a critical decision making tool. Accordingly, the Contractor shall ensure that it complies fully with the requirements specified herein and that its schedules are both timely and accurate throughout the duration of the project.

Duration Estimates - The basic time unit for the duration estimate shall be in calendar days, except for plant outage work, which if requested by JEA, shall be measured at JEA's determination by work shifts or clock hours. For the purpose of scheduling, no schedule activity, outside of a plant outage, shall be estimated in duration units other than whole calendar days. The Contractor shall show each estimated duration on each Schedule (Initial or Current), indicating the best estimate of the activity's duration considering the scope of the Work and resources planned for the activity.

Calendars - The Contractor will specify the work pattern (calendar) to be used on the job (default) and the work pattern assigned to each activity - whether it is a four (4) day - ten (10) hour/day week, five (5) day – eight (8) hour/day week, a six (6) day - ten (10) hour/day week, etc.

Holidays - Holidays are to be observed and shall be identified as non-work days occurring during a regular work week pattern.

Level of Schedule Detail - JEA retains the right to reject an Initial or Current Schedule if insufficient level of detail in the schedule would inhibit meaningful schedule analysis or progress reporting used to evaluate progress of the project. Except for certain non-labor activities such as procurement or delivering of materials, activity durations "should" not exceed fourteen (14) days, nor be shown as less than one working day unless otherwise accepted by JEA. The "guideline" for activity durations not in excess of fourteen (14) days shall apply to all schedule submittals. JEA shall be the final authority regarding the appropriate level of schedule detail for all schedules submitted for approval.

Activity and Project Codes - The Contractor may use activity and project codes to support organization and displays of the schedule information if such information is transmitted to JEA with the Initial schedules. JEA shall be notified if additional codes are defined and utilized over the course of the project. At times, JEA may request that certain codes are applied to activities to facilitate the interface between the Contractor's schedule software and JEA's schedule software.

PDM Network Quality - Each project shall establish a "Start of Project" and "Project Completion/End of Project" milestone. All other activities within the schedule shall have precedence relationships that logically sequence both the start (predecessor) and finish (successor) of each activity. JEA will review the CPM Plan for excessive front loaded and back loaded work activity periods. Heavy front or back loaded schedules may indicate the lack of a well-designed Plan, poor network logic or poor utilization of available resources.

Submittal Process for Establishing an Approved Schedule:

Planning Session - Within three (3) days of Purchase Order issuance, and prior to submission of the Initial Schedule, the Contractor shall schedule and conduct a schedule planning session. During this session, the Contractor shall present its planned approach to the project including but not limited to: the planned construction sequence and phasing, planned crew sizes, summary of equipment types/sizes/numbers to be used, estimated durations of major work activities, the anticipated critical path of the project and a summary of the activities on the critical path, and a summary of the most difficult schedule challenges the Contractor is anticipating and how it plans to manage/control these challenges. This will be an interactive session with JEA. The Contractor's Initial Schedule shall incorporate the information discussed at this schedule planning session.

Initial Schedule - Within fourteen (14) days of the Planning Session, the Contractor shall submit a proposed CPM schedule consisting of Schedule deliverables as described herein. This schedule shall indicate project completion within the Contract Time. JEA shall contact a representative of the Contractor to review any discrepancies or items requiring clarification of the proposed Work schedule.

The Initial Schedule shall be reviewed and approved, or rejected by JEA within ten (10) days of submission. Failure to gain approval of the Initial Schedule within twenty-one (21) calendar days of submittal can result in Contract cancellation. The submitted CPM Network and schedule reports, when approved by JEA, shall constitute the Approved Schedule, until circumstances change and shall warrant the Contractor to request, and JEA to approve, a revised Approved Schedule.

Schedule Deliverables

The Contractor shall submit the following for the Initial Schedule and for each version of their Current schedule where they seek a revision to the Approved Schedule.

1. A tabular schedule report which includes:

Activity ID, activity description/name, activity calendar, original duration in calendar days, early start date, early finish date, total float, imposed date type, and imposed date (also known as "constrained date"), Approved Schedule Target Start Date, and Approved Schedule Target Finish Date

Sort criteria used on the report

Description of Grouping or sectioning criteria if used

No activities will be filtered, hidden, or removed from these reports.

If any of the above fields are too wide for a single tabular report, then the Contractor shall split some of the fields into a second report that also repeats activity ID and activity name, with the same sectioning, sorting and selection.

2. A second report (a Gantt chart) that includes the following:

Tabular fields: activity ID, activity name, remaining duration, early start date, early finish date, total float.

Graphic bars showing:

- i. Early date set: early start to early finish (including actual start to actual finish if the activity is completed). This bar must highlight activities, preferably in red, with total float values equal to 0 or less.
- ii. Late date set: late start to late finish (a separate, less prominent bar beneath early date set).
- iii. Approved (Target) Schedule date set: a separate, less prominent bar beneath the late date set bar that highlights the original target dates. This bar is static, while the schedule bars for early and late dates will become dynamic during schedule execution.
- iv. Milestone flags and constrained date flags: these are icons that show up as points in time (events). (Normally, they can share the same bar row as early date set).

Sort criteria

- i. Grouping: sectioning appropriate to the scope of the project
- ii. Sorting: sub grouping under each section by early start date (primary sort), by early finish date (secondary sort), total float (third-level sort), and by activity ID (final sort).

Selection: all activities

3. A document explaining the basis and purpose of any relationship lag values between activities in the CPM network.
4. An electronic copy of the Schedule data files from one of the Primavera schedule software systems which will allow JEA to generate the products identified above based on the vendors schedule information/ raw data.
5. The Contractor shall also submit a list of project definitions including: calendar definitions indicating holidays, other non-work periods, normal planned work pattern (e.g. eight (8) hours per day, five (5) days per week; ten (10) hours per day, four (4) days per week), any activity code definitions if any of the items have been altered since the previous submission.

Schedule Acceptance

The JEA representative shall inform the Contractor when the Initial Schedule or a Current Schedule has been accepted as the Accepted Schedule. No changes reflected in an Approved Schedule will be construed as authorization to override the contractual completion date agreement. Changes to the contractual completion date must be amended outside the schedule review process.

Schedule Revisions

The Contractor shall modify any portions of the Current Schedule that become infeasible because of "activities or procurement behind schedule" or for any other valid reason. An activity that cannot be completed by its late finish date shall be deemed to be behind schedule. If the Contractor makes logic changes to the CPM network, adds, deletes, or modifies activities and wishes to establish a new Approved Schedule, it will be required to resubmit the same information that was originally submitted for the Approved Schedule. The submittal may be included as part of the update process with the Current Schedule, however none of the additions, deletions, or modifications to the schedule are approved until the JEA Contract Manager formally approves the changes as a revised Approved Schedule. JEA shall approve or reject an Initial or Current schedule submitted for the purpose of establishing an Approved Schedule within ten (10) calendar days of submittal and in any situation before the next periodic update is due. Schedule revisions shall be designed to document how the Contractor intends to accomplish the Work by the date stated for Final Completion.

Change Orders

Upon issuance of a Change Order, the Contractor shall indicate the approved change in the next submittal of the Current schedule by coding criteria and within the activity description so the JEA Representative may easily identify Change Order activities wherever they appear in the schedule.

Schedule Updates

The Contractor shall update the Current Schedule monthly or periodically as indicated in the Contract Documents, in order to show Work that is ahead of or behind the Approved Schedule. The Current schedule may indicate that an activity is ahead of or behind the targeted schedule and may show the Contractor's revised plan to meet the original dates by working overtime, weekends, or in drastic cases, revising the Work sequence/logic to recover time. Such reporting does not infer that changes to the schedule are authorized or agreed to by JEA.

The Contractor shall provide monthly schedule updates using a process which includes:

1. Determining a new data date (time now) value, against which the progress of all activities in the CPM network will be reported. Many activities may not be affected by the update because they remain planned, or were completed during a previous update cycle.
2. Based on the selected data date, review each activity for the following criteria:
 - If an activity has started and the actual start date has not been previously reported, record an actual start date.
 - If an activity has finished and the actual finish date has not been previously reported, record an actual finish date.
 - If the activity has started, but not finished, also report an expected finish date or report a remaining duration in days based on the activity work pattern (calendar).
3. When this data has been recorded analyze the PDM network to recalculate/ reforecast the Current Schedule dates based on progress reporting, remaining durations, relationships, and date constraints.
4. The Contractor shall review the schedule analysis results and determine if they are acceptable. If the results are not acceptable, the Contractor shall notify the JEA Representative such that the Contract Administrator may be aware that corrective action is needed by the Contractor to meet the schedule.
5. The Contractor shall publish and distribute the Current Schedule to show the impact of the progress reporting against the Approved Schedule.

The Contractor, after updating and issuing the Current Schedule, may choose to attempt to recover lost time through improved productivity, additional work hours or logic changes. They may submit their schedule changes to the JEA Contract Manager as a request for a revised Approved Schedule as described in the Schedule Revisions section.

The revised Approved Schedule grants permission to change the Target Schedule as the basis for measuring whether Work is ahead of schedule, on schedule or behind schedule. The documentation required for approval of a revised Approved Schedule will be the same as the documentation required for the initial Approved Schedule.

The current Progress Schedule Submittal should incorporate all proposed Activity, logic and restraint date revisions required to (a) implement changes in the Work, (b) detail all impacts on pre-existing Activities, sequences and restraint dates, (c) recover schedule, (d) reflect the Contractor's current approach for Work remaining, (e) incorporate any Delays that are being negotiated between the JEA and Contractor, and (f) reflect "or equal" or substitution proposals.

Schedule Monitoring

The JEA representative has the right to withhold or delay approval of an Application for Payment based on failure to provide schedule updates or to exhibit project progress as shown on the Current Schedule when compared to the Approved Schedule. This section in no way limits or restricts Application for Payment standards set elsewhere in the contract. The Contractor agrees to and guarantees that they will not: misrepresent its scheduling or execution of the work; utilize schedules substantially different from those submitted to JEA for performance or coordination of the work; or submit schedules that do not accurately reflect the intent or reasonable expectations of the Contractor or its subcontractors.

Use of Float

Contract Float is not for the exclusive use or benefit of either JEA or the Contractor, but must be used in the best interest of completing the project within the Contract Time. If the Early Dates in any Progress Schedule Submittal forecast any slippage or overrun of the Contract Times, the Contractor shall indicate such slippage or overrun by reporting negative Contract Float.

The Contractor shall explain the rationale for use of any: (1) float suppression techniques in the Construction Schedule including but not limited to interim dates imposed by the Contractor other than Contract Time(s) and Contract Milestone(s), or (2) the inclusion of activities or constraints in a path or chain leading to a Contract Milestone which are unrelated to the Work as stated and specified in the Contract Documents, or (3) activity durations or sequences deemed by JEA to be unreasonable in whole or in part.

All Contract Time(s) and Milestones shall be imposed, coded and separately identified in all Progress Schedule Submittals in conformance with the Milestone(s) and Contract Times(s) set forth in the Contract Documents. The Contractor shall impose no other date restraints in the Construction Schedule, unless an explanation of their bases is provided and is acceptable to JEA. Contract Completion and Milestones incorporated in the Contractor's Construction Schedule shall be assigned duration of zero (0) days.

Extensions of time for performance of the Work required under the General Conditions pertaining to equitable time adjustment will be granted only to the extent that the equitable time adjustment for activities affected by any condition or event which entitles the Contractor to a time extension exceed the Contract Float along the path of the activities affected at the time of Notice to Proceed of a Contract Modification or commencement of any delay or condition for which an adjustment is warranted under the Contract Documents.

If the Contractor is delayed in performing the Work, the Contractor shall absorb any related delay, disruption, interference, hindrance, extension or acceleration costs, however caused until all Contract Float, if any, is consumed and performance or completion of the Work or specified part, necessarily extends beyond the corresponding Contract Times. The Contractor shall work cooperatively with JEA, adjacent Contractors, and third parties, to identify and implement to the maximum extent possible, no-cost measures to recover all schedule delays, regardless of the cause of the delays. One example of such measures is no-cost re-sequencing of Work Activities.

Delay Provisions

Review with JEA progress of work at the Construction Progress Meetings. Unless otherwise directed in writing by the JEA, whenever this review as determined by JEA indicates a late completion of the work or should activities shown on the Progress Schedule submittal slip by ten (10) or more days beyond any Contract Time or Milestones, a recovery schedule shall be prepared and submitted. The Contractor shall work cooperatively with JEA's adjacent Contractors, and third parties, to identify and implement to the maximum extent possible, no-cost measures to recover all schedule delays, regardless of the cause of the delays. One example of such measures is no-cost re-sequencing of Work activities. The Contractor shall be required to, at no extra cost to JEA, prepare and submit a recovery schedule which displays how the Contractor intends to reschedule those activities, in order to regain compliance with the Contract Time or Milestones. The Contractor will also submit a narrative, which shall describe the cause of schedule slippage and actions taken to recover schedule within the shortest reasonable time (e.g., re-sequencing of Work activities, hiring of additional labor, use of additional construction equipment, expediting of deliveries, etc.).

Schedule recovery will be excused if the Contractor requests and demonstrates entitlement to an extension in Contract Time, in writing, due to delay(s) not within the control of the Contractor, and JEA concurs schedule recovery is not required at that time. Any Contractor request for adjustment in Contract Time and Contract Price will not be evaluated unless (a) the Contractor, using the procedures in this Section and the Contract, shows that conditions justifying adjustments in Contract Time and/or Contract Price have arisen, (b) the Contractor's analysis is verifiable through an independent review by JEA of the electronic disk files for the Progress Schedule Submittal provided by the Contractor, and (c) the Contractor provides adequate documentation (in the form of daily field reports, field records, correspondence, photos, videos, invoices, certified payrolls, narratives, U.S. Weather Bureau reports, etc.) to substantiate its position, to the satisfaction of JEA.

The Contractor shall include in the schedule a subnet demonstrating how the Contractor proposes to incorporate each Change Order into the most recently accepted Schedule. A subnet is defined as a sequence of new or revised activities that are proposed to be added to the Schedule.

The extension of Contract Time shall be considered only if the Contractor demonstrates via the timely submittal of a detailed schedule analysis that they are entitled to the time by using a methodology acceptable to JEA. The analysis shall include: a) a detailed narrative which clearly describes the events causing the delay and the resulting impacts to the critical path of the project schedule, b) documentation substantiating and supporting the delay, c) detailed CPM schedules (both electronic and hard copies) clearly delineating the delay, d) a matrix showing delays caused by JEA, delays caused by the Contractor, delays caused by any third party and any force majeure delays; e) any additional information reasonably requested by JEA, in order to enable JEA to perform a timely and informed analysis of the request for extension of Contract Time..

2.5.3. LIQUIDATED DAMAGES UNTIL ACCEPTANCE

There will be two Substantial Completion dates for this work, one for the pipe cleaning process, and one for the remainder of the work, including cleanup. One final acceptance for both portions will be held.

For Substantial Completion of the pipe cleaning and associated work

If the Company fails to obtain Substantial Completion of the Pipe Cleaning Work on or before 205 days after date of Notice to Proceed, the Company shall pay JEA the sum of \$2,000.00 per day for each and every calendar day, including Sundays and Holidays, starting on this day until the date the Work is Substantially Completed.

If the Company fails to obtain JEA's Acceptance of the Work on or before 235 days after date of Notice to Proceed, the Company shall pay JEA the sum of \$1,000.00 per day for each and every calendar day, including Sundays and Holidays, starting on the day the Work was deemed by JEA to be Substantially Complete until the date the Work is Accepted by JEA.

Liquidated Damages are capped at a maximum of ten percent (10%) of the Contract Price.

The Company understands and agrees that said daily sum is to be paid not as a penalty, but as compensation to JEA as a fixed and reasonable liquidated damages for losses that JEA will suffer because of such default, whether through increased administrative and engineering costs, interference with JEA's normal operations, other tangible

and intangible costs, or otherwise, which costs will be impossible or impractical to measure or ascertain with any reasonable specificity.

Liquidated damages may, at JEA's sole discretion, be deducted from any monies held by JEA that are otherwise payable to Company.

The Company's responsibility for liquidated damages shall in no way relieve the Company of any other obligations under the Contract.

2.5.4. REPORTING (CONSTRUCTION)

The Company shall provide all reports as defined in the Contract Documents.

Where the reporting frequency is daily, reports shall be submitted by noon of the following workday. Where the reporting frequency is weekly, reports are due by Monday at noon, covering the prior workweek. Where Monday is a Holiday, the reports are due at noon on the next workday. Where reports are due monthly, reports are due by noon on the first business day of each month. Sample forms for reports may be included in the Contract Documents. Where they are included, they are to be used. Where they are not included, the Company shall provide a sample of its proposed report format for each report to the Contract Administrator at least one-week prior to its initial due date. The Contract Administrator will review and either approve or reject use of the report. Where proposed report is rejected, Company shall resubmit revised report formats, until Contract Administrator approves format. Reporting cycle shall begin upon the Purchase Order date, or, if used, the issuance date of the Notice to Proceed.

Where the Contract calls for reports to be submitted by Company, such reports shall be in both paper and electronic format, with the electronic version submitted electronically via email to the Contract Administrator.

2.6. WARRANTIES AND REPRESENTATIONS

2.6.1. WARRANTY (CONSTRUCTION)

Unless otherwise stated herein, the Company unconditionally warrants to JEA for a period of not less than One (1) year from the date of issuance of the Certificate of Substantial Completion that all Work furnished under the Contract, including but not limited to, materials, equipment, workmanship, and intellectual property, including derivative works will be:

- o Performed in a safe, professional and workman like manner; and
- o Free from Defects in design, material, and workmanship; and
- o Fit for the use and purpose specified or referred to in the Contract; and
- o Suitable for any other use or purpose as represented in writing by the Contractor; and
- o In conformance with the Contract Documents; and
- o Merchantable, new and of first-class quality.

The Company warrants that the Work shall conform to all applicable standards and regulations promulgated by federal, state, local laws and regulations, standards boards, organizations of the Department of State, and adopted industry association standards. If the Work fails to conform to such laws, rules, standards and regulations, JEA may return the Work for correction or replacement at the Company's expense, or return the Work at the Company's expense and terminate the Contract.

If the Company performs services that fail to conform to such standards and regulations or to the warranties set forth in the first paragraph of this Section, the Company shall make the necessary corrections at Company's expense. JEA may correct any services to comply with standards and regulations at the Company's expense if the Company fails to make the appropriate corrections within a reasonable time after notice of the Defect from JEA.

If Work includes items covered under a manufacturer's or Subcontractor's warranty that exceeds the requirements stated herein, Company shall transfer such warranty to JEA. Such warranties, do not in any way limit the warranty provided by the Company to JEA.

If, within the warranty period, JEA determines that any of the Work is defective or exhibit signs of excessive deterioration, the Company at its own expense, shall repair, adjust, or replace the defective Work to the complete satisfaction of JEA. The Company shall pay all costs of removal, transportation, reinstallation, repair, and all other associated costs incurred in connection with correcting such Defects in the Work. The Company shall correct any Defects only at times designated by JEA. The Company shall extend the warranty period an additional twelve (12) months for any portion of the Work that has undergone warranty repair or replacement, but in no case shall the maximum warranty period be extended beyond thirty-six (36) months.

JEA may repair or replace any defective Work at the Company's expense when the Company fails to correct the Defect within a reasonable time of receiving written notification of the Defect by JEA, when the Company is unable to respond in an emergency situation or when necessary to prevent JEA from substantial financial loss. Where JEA makes repairs or replaces defective Work, JEA will issue the Company a written accounting and invoice of all repair work required to correct the Defects.

Where spare parts may be needed, Company warrants that spare parts will be available to JEA for purchase for at least seventy-five percent (75%) of the stated useful life of the product.

The Company's warranty excludes any remedy for damage or Defect caused by abuse, improper or insufficient maintenance, improper operation, or wear and tear under normal usage.

Note that JEA intends to perform a warranty inspection prior to the expiration of the warranty period. JEA will notify the Company and the Company Representative shall attend the inspection. All discrepancies identified at said inspection shall be corrected by the Company within a reasonable timeframe.

2.7. INSURANCE, INDEMNITY AND RISK OF LOSS

2.7.1. INSURANCE

INSURANCE REQUIREMENTS

Before starting and until acceptance of the Work by JEA, and without further limiting its liability under the Contract, Company shall procure and maintain at its sole expense, insurance of the types and in the minimum amounts stated below:

Workers' Compensation

Florida Statutory coverage and Employer's Liability (including appropriate Federal Acts); Insurance Limits: Statutory Limits (Workers' Compensation) \$500,000 each accident (Employer's Liability).

Commercial General Liability

Premises-Operations, Products-Completed Operations, Contractual Liability, Independent Contractors, Broad Form Property Damage, Explosion, Collapse and Underground, Hazards (XCU Coverage) as appropriate; Insurance Limits: \$1,000,000 each occurrence, \$2,000,000 annual aggregate for bodily injury and property damage, combined single limit.

Automobile Liability

All autos-owned, hired, or non-owned; Insurance Limits: \$1,000,000 each occurrence, combined single limit.

Excess or Umbrella Liability

(This is additional coverage and limits above the following primary insurance: Employer's Liability, Commercial General Liability, and Automobile Liability); Insurance Limits: \$4,000,000 each occurrence and annual aggregate.

Company's Commercial General Liability and Excess or Umbrella Liability policies shall be effective for two (2) years after Work is complete. The Indemnification provision provided herein is separate and is not limited by the type of insurance or insurance amounts stated above.

Company shall specify JEA as an additional insured for all coverage except Workers' Compensation and Employer's Liability. Such insurance shall be primary to any and all other insurance or self-insurance maintained by JEA. Company shall include a Waiver of Subrogation on all required insurance in favor of JEA, its board members, officers, employees, agents, successors and assigns.

Such insurance shall be written by a company or companies licensed to do business in the State of Florida and satisfactory to JEA. Prior to commencing any Work under this Contract, certificates evidencing the maintenance of the insurance shall be furnished to JEA for approval. Company's and its subcontractors' Certificates of Insurance shall be mailed to JEA (Attn. Procurement Services), Customer Care Center, 6th Floor, 21 West Church Street, Jacksonville, FL 32202-3139.

The insurance certificates shall provide that no material alteration or cancellation, including expiration and non-renewal, shall be effective until thirty (30) days after receipt of written notice by JEA.

Any subcontractors of Company shall procure and maintain the insurance required of Company hereunder during the life of the subcontracts. Subcontractors' insurance may be either by separate coverage or by endorsement under insurance provided by Company. Note: Any JSEB firms identified by Bidders for this Solicitation are considered "Subcontractors" under the direct supervision of the Prime or General Contractor (herein referred to as "Company"). Companies should show good faith efforts in providing assistance to JSEB firms in the securing of the Subcontractors' insurance requirements stated herein. Company shall submit subcontractors' certificates of insurance to JEA prior to allowing Subcontractors to perform Work on JEA's job sites.

2.7.2. TITLE AND RISK OF LOSS

Ownership, risks of damage to or loss of the Work shall pass to JEA upon Acceptance. The Company shall assume all risk of loss or damage to the Work while items are in transit and/or in the Company's custody until such time that JEA issues written notice of Acceptance.

JEA's receipt or delivery of any equipment or other materials will not constitute JEA's Acceptance of the Work and will not constitute a waiver by JEA of any right, claim or remedy. In the event of loss or damage to the Work, the Company shall bear all costs associated with any loss or damage until Acceptance by JEA.

For equipment and materials removed from JEA sites or the Work locations for repairs, service or duplication, JEA will retain the title to equipment and materials removed.

2.7.3. BOND AMOUNT

The Company shall furnish a Payment Bond and Performance Bond in the amount of indicated on the Bid Form, made out to JEA in forms and formats approved and provided by JEA, as security for the faithful performance of the Work of Contract. JEA will send the approved bond forms to the Company for execution along with the Contract; however, in no case shall the date on the bond forms be prior to that of the executed Contract. The surety must be authorized and licensed to transact business in Florida. A fully executed Payment Bond and Performance Bond must be recorded with the Clerk of Duval County Court and delivered to JEA before JEA will issue a Purchase Order to begin the Work. No Purchase Order shall be issued until the Payment and Performance Bonds are recorded and delivered to the JEA Procurement Department. If the Company fails or refuses to furnish or record the required bonds, JEA will retain the Company's Bid Bond as liquidated damages.

2.7.4. INDEMNIFICATION (JEA STANDARD)

For ten dollars (\$10.00) acknowledged to be included and paid for in the contract price and other good and valuable considerations, the Company shall hold harmless and indemnify JEA against any claim, action, loss, damage, injury, liability, cost and expense of whatsoever kind or nature (including, but not by way of limitation, reasonable attorney's fees and court costs) arising out of injury (whether mental or corporeal) to persons, including death, or damage to property, arising out of or incidental to the negligence, recklessness or intentional wrongful misconduct

of the Company and any person or entity used by Company in the performance of this Contract or Work performed thereunder. For purposes of this Indemnification, the term "JEA" shall mean JEA as a body politic and corporate and shall include its governing board, officers, employees, agents, successors and assigns. This indemnification shall survive the term of a Contract entered into pursuant to this solicitation, for events that occurred during the Contract term. This indemnification shall be separate and apart from, and in addition to, any other indemnification provisions set forth elsewhere in this Contract.

2.7.5. NOTIFICATION OF SURETY

The Company shall notify its surety of any changes affecting the general scope of the Work or altering the Contract Price. The amount of the applicable bonds shall be adjusted accordingly and the Company shall furnish proof of such adjustment to JEA within ten (10) days of date of Purchase Order.

2.8. ACCEPTANCE

2.8.1. DELAY IN ACCEPTANCE OR DELIVERY

JEA may delay delivery or acceptance of goods in the event of any unforeseen event. The Company shall hold the goods pending JEA's direction, and JEA will be liable only for direct increased costs incurred by the Company by reason of JEA's instructions.

2.8.2. ACCEPTANCE OF WORK - RECEIPT, INSPECTION, USAGE AND TESTING

The Contract Administrator will make the determination when Work is completed and there is Acceptance by JEA. Acceptance will be made by JEA only in writing and after adequate time to ensure Work is performed in accordance with Contract Documents. JEA will reject any items delivered by Company that are not in accordance with the Contract, and shall not be deemed to have accepted any items until JEA has had reasonable time to inspect them following delivery or, if later, within a reasonable time after any latent defect in the items has become apparent. JEA may partially accept the Work items. If JEA elects to accept nonconforming items, it may in addition to other remedies, be entitled to deduct a reasonable amount from the price as compensation for the nonconformity. Any Acceptance by JEA, even if non-conditional, shall not be deemed a waiver, or settlement or acceptance of any Defect.

Items specifically required prior to Acceptance are: Substantial completion, COC from FDEP, final punch list completed, final as-builts per JEA water and wastewater section 501, approved by JEA

2.9. TERM AND TERMINATION

2.9.1. TERM

2.9.1.1. TERM OF CONTRACT - THROUGH COMPLETION OF WORK

The Contract shall be in force through completion of all Work, Acceptance and final payment, including resolution of all disputes, claims, or suits, if any. Certain provisions of this Contract may extend past termination including, but not limited to, Warranty and Indemnification provisions.

This Contract, after the initial year, shall be contingent upon the existence of lawfully appropriated funds for each subsequent year of the Contract.

2.9.2. TERMINATION FOR CONVENIENCE

JEA shall have the absolute right to terminate the Contract in whole or part, with or without cause, at any time after the Award effective date upon written notification of such termination.

In the event of termination for convenience, JEA will pay the Company for all disbursements and expenses that the Company has incurred, or has become obligated prior to receiving JEA's notice of termination.

Upon receipt of such notice of termination, the Company shall stop the performance of the Work hereunder except as may be necessary to carry out such termination and take any other action toward termination of the Work that

JEA may reasonably request, including all reasonable efforts to provide for a prompt and efficient transition as directed by JEA.

JEA will have no liability to the Company for any cause whatsoever arising out of, or in connection with, termination including, but not limited to, lost profits, lost opportunities, resulting change in business condition, except as expressly stated within these Contract Documents.

2.9.3. SUSPENSION OF WORK

JEA may suspend the performance of the Work by providing the Company with five days' written notice of such suspension. Schedules and compensation for performance of the Work shall be amended by mutual agreement to reflect such suspension. In the event of suspension of Work, the Company shall resume full performance of the Work when JEA gives written direction to do so. Suspension of Work for reasons other than the Company's negligence or failure to perform, shall not affect the Company's compensation as outlined in the Contract Documents.

2.9.4. TERMINATION FOR DEFAULT (WITH A BOND)

JEA may give the Company written notice to discontinue all or part of the Work under the Contract or a Notice to Cure a material breach in the event that:

- o The Company assigns or subcontracts the Work without prior written permission;
- o Any petition is filed or any proceeding is commenced by or against the Company for relief under any bankruptcy or insolvency laws;
- o A receiver is appointed for the Company's properties or the Company commits any act of insolvency (however evidenced);
- o The Company makes an assignment for the benefit of creditors;
- o The Company suspends the operation of a substantial portion of its business;
- o The Company suspends the whole or any part of the Work to the extent that it impacts the Company's ability to meet the Work schedule, or the Company abandons the whole or any part of the Work;
- o The Company, at any time, violates any of the conditions or provisions of the Contract Documents, or the Company fails to perform as specified in the Contract Documents, or the Company is not complying with the Contract Documents;
- o The Company attempts to willfully impose upon JEA items or workmanship that are, in JEA's sole opinion, defective or of unacceptable quality;
- o The Company breaches any of the representations or warranties;
- o The Company is determined, in JEA's sole opinion, to have misrepresented the utilization of funds or misappropriate property belonging to JEA; or
- o There is an adverse material change in the financial or business condition of the Company.

If within thirty (30) days after service of such notice to discontinue or notice to cure upon the Company an arrangement satisfactory to JEA has not been made by the Company for continuance of the Work or the material breach has not been remedied, JEA may declare the Company to be in default and terminate the Contract.

Once Company is declared in default and the Contract has been terminated, JEA will notify the Surety in writing of the termination. The Surety shall, at JEA's sole option take one (1) of the following actions:

- (a) Within a reasonable time, but in no event later than thirty (30) days, from JEA's written notice of termination for default, arrange for Company with JEA's consent, which shall not be unreasonably withheld, to complete the Contract and the Surety shall pay JEA all losses, delay and disruption damages and all other damages, expenses, costs and statutory attorney's fees, including appellate proceedings, that JEA sustains because of a default by the Company under the Contract;
- (b) Within a reasonable time, but in no event longer than sixty (60) days after JEA's written notice of termination for default, award a contract to a completion contractor and issue notice to proceed or alternatively, JEA may elect, to have the Surety determine jointly with JEA the lowest responsible qualified bidder, to have the Surety arrange for a contract between such bidder and JEA, and for the

Surety to make available as Work progresses sufficient funds to pay the cost of completion less the balance of the Contract price; or

- (c) Within a reasonable time, but in no event later than thirty (30) days from JEA's notice of termination for default, JEA may waive its right to complete or arrange for completion of the Contract and, within twenty-one (21) days thereafter, determine the amount for which the Surety may be liable to JEA and tender payment to JEA of any amount necessary in order for JEA to complete performance of the Contract in accordance with its terms and conditions less the balance of the Contract price.

JEA shall have the right to take possession of and use any of the materials, plant, tools, equipment, supplies and property of any kind provided by the Company for the purpose of this Work.

JEA will charge the expense of completing the Work to the Company and will deduct such expenses from monies due, or which at any time thereafter may become due, to the Company. If such expenses are more than the sum that would otherwise have been payable under the Contract, then the Company or Surety shall pay the amount of such excess to JEA upon notice of the expenses from JEA. JEA shall not be required to obtain the lowest price for completing the Work under the Contract, but may make such expenditures that, in its sole judgment, shall best accomplish such completion. JEA will, however, make reasonable efforts to mitigate the excess costs of completing the Work.

The Contract Documents shall in no way limit JEA's right to all remedies for nonperformance provided under law or in equity, except as specifically set forth herein. In the event of termination for nonperformance, the Company shall immediately surrender all Work records to JEA. In such a case, JEA may set off any money owed to the Company against any liabilities resulting from the Company's nonperformance.

JEA has no responsibility whatsoever to issue notices of any kind, including but not limited to deficient performance letters and scorecards, to the Company regarding its performance prior to default by Company for performance related issues.

JEA shall have no liability to the Company for termination costs arising out of the Contract, or any of the Company's subcontracts, as a result of termination for default.

Immediately upon termination or expiration of this Agreement, Company must return to JEA all materials, documents and things used by Company and belonging to JEA, including proposals, computer files, borrower files, building keys, and any other property or information regarding continued business compliance or goodwill, whether in electronic or hard-copy form. Furthermore, upon JEA's request, Company shall certify in writing that all of the foregoing documents or materials, including archival or backup copies, whether in electronic or hard-copy form, have been returned to JEA, deleted from any computer system, or otherwise destroyed.

Any other provision in this Agreement to the contrary notwithstanding the duration of this Agreement after the initial year, shall be contingent upon the existence of lawfully appropriated funds for each subsequent year of the term.

2.9.5. UNAUTHORIZED WORK

JEA will consider any Work done without lines and grades given, Work done beyond the lines and grades shown on the Contract or as given, or any extra Work done without written authority, as unauthorized Work and will not pay the Company for such Work. If so ordered by the Contract Administrator, the Company shall remove such Work and properly replace it at the Company's own expense.

2.10. PRELIMINARY MATTERS

2.10.1. WORK LOCATION

Work shall be performed at the following location(s): Philips Hwy at Emerson to Spring Park Rd, Jacksonville Fl.

2.10.2. UNFORESEEN CONDITIONS

The Company understands and agrees that it is its responsibility to conduct due diligence prior to the Work. Such due diligence includes, but is not limited to, verifying all Work conditions, measurements, dimensions and latent and patent obstructions, the accuracy of drawings, test results, inspections and other informational materials provided in the Contract Documents, and any other causes for existing or potential changes to the Work prior to initiating the Work. In the event that the Work must be changed due to the Company's failure to fulfill the above requirements, the Company understands and agrees that it will be responsible for all costs associated with the changed condition.

In the event, however, that the Company exercises the requisite due diligence and a change to the Work becomes necessary resulting from conditions that are clearly unforeseen and that could not have been discovered, the costs for adjusting the Work in response to such unforeseen conditions shall be addressed in a Change Order or an amendment to the Contract executed by JEA and Company. Any Work the Company performs prior to receipt of such Change Order or approved Contract amendment will be at the Company's sole risk.

2.10.3. COMMERCIAL ACTIVITIES ON THE WORK LOCATION

The Company shall not establish any commercial activities, or issue concessions or permits of any kind to third parties to establish commercial activities on lands owned or controlled by JEA, or within the boundaries of the Work Location. The Company shall not allow its employees to engage in any commercial activities on the Work Location.

2.10.4. COMPLETION OF WORK

The Company shall begin Work within ten (10) days after the date of written Notice to Proceed from JEA to begin Work, and shall complete the Work by the date set forth in the Contract Documents. The Company further understands and agrees that time is of essence and should the Company fail to complete the Work on or before the date established for Substantial Completion and Final Acceptance, the Company shall be solely responsible for additional costs as defined in the Contract.

2.10.5. COMPANY LAYDOWN AREA

In the event the Company decides to utilize public or private property as a laydown area, the Company shall enter into a written agreement with the entity who owns the property. JEA shall have access to all laydown areas. Upon submission of Company's first Invoice or application for payment to JEA, the Company shall provide to JEA a copy of such signed written agreement. The Company shall submit to JEA a letter of release from the entity in connection with Company's final Invoice or application for payment to JEA.

2.10.6. COMPANY REPRESENTATIVE

The Company shall provide JEA with the name and responsibilities of the Company Representative, in writing after Award of the Contract and before starting the Work under the Contract. Should the Company need to change the Company Representative, the Company shall promptly notify JEA in writing of the change.

2.10.7. COMPANY'S DOCUMENTS AT THE WORK LOCATION

The Company shall maintain at the Work Location for JEA one record copy of all Contract Documents in good order and marked currently to record all Addenda and changes made during Contract Term. These shall be available to JEA Representatives and shall be delivered to the Contract Administrator upon completion of the Work and at the request of the Contract Administrator.

The Company shall also maintain detailed records of the Work for its own files. The Company shall make these records available to JEA for inspection upon request. The Company shall maintain such records for three years after date of Final Completion.

2.10.8. COMPANY'S FIELD OFFICE

The Company shall provide its own office facilities at the Work Location, as required. Unless specifically listed herein, JEA provides no Work Location facilities or Work Location area for the Company facilities of any kind such as field office and material storage. If the Company establishes a Work Location-based office, the Company shall provide and maintain adequate telephone facilities at this office during the full Term of the Contract. If the Company

has a local business office, this office may serve as a Work Location office for this Contract, but the Company must maintain an operational cellular phone at the Work Location while performing Work.

2.10.9. MAINTENANCE OF TRAFFIC

The Company, when required by the governing agency such as the City of Jacksonville or the Florida Department of Transportation (FDOT), shall maintain traffic in accordance with an approved Maintenance of Traffic (MOT) plan ("MOT Plan") submitted by the Company, on streets, roads, private ways, and walks. The Company shall assume full responsibility for the adequacy and safety of provisions made. The Company shall be solely responsible for the placement, maintenance and removal of the minimum number of devices required by the MOT Plan, or specified by the FDOT, for the control of traffic at the Work Location including, but not limited to signs, cones, lights, barricades, concrete barrier walls, police officers, flaggers, etc. ("MOT Items").

Company shall be responsible for all costs associated with MOT. There will not be a separate line item for MOT on the Bid Form.

2.10.10. LIMITATION OF ACCURACY OF INFORMATIONAL MATERIALS

For all drawings, test results, inspections, and other informational materials included as part of the Contract Documents, the Company understands and agrees that any existing facilities shown, including underground, overhead, and surface structures, and other delineations, and any other informational items provided as part of the Contract Documents are for reference only and are not to be used by the Company as the only indication of Work conditions. The Company understands and agrees that it is its sole responsibility to verify all Work conditions, measurements, dimensions, obstructions and other causes for existing or potential changes to the Work prior to initiating Work. In the event the Work must be changed due to the Company not fulfilling the above requirements, the Company understands and agrees that it will be responsible for all costs associated with the changed condition. Changes associated with conditions that are clearly unforeseen and that could not have been discovered by a reasonable verification of the above listed items, shall be covered as stated in Changes to Work.

2.10.11. PERMITS TO BE OBTAINED BY THE CONTRACTOR

Unless otherwise specified in the Contract Documents, the Contractor shall secure, maintain, post as required, and pay for all building, plumbing, electrical, water, sewer, right-of-way, parking, roadway, railroad, shipping, freight, hazardous materials, and any other permits which may be required for performance of the Work in full compliance with all applicable laws, rules and regulations. The Contractor shall perform all actions necessary to identify where permits are to be obtained and properly file for the permits, except those specifically listed in the Contract Documents as being provided by JEA.

The Contractor shall comply with all conditions of permits issued for the Work, either directly or indirectly, issued by federal, state, or local governmental agencies, which are hereby incorporated as part of these Contract Documents. The Contractor shall be solely responsible for resolving any issues and bearing all expenses including any damages suffered by JEA that result from a finding of noncompliance during performance of the Work by any of the respective regulatory agencies including, but not limited to, all costs for delays, litigation, fines, fees of any kind, and other costs.

2.10.12. PRE-WORK MEETING AND PROGRESS MEETINGS (CONSTRUCTION)

Before starting the Field Work, a Pre-Work or Pre-Construction meeting may be held to review procedures for the Work, review the Work schedule, establish procedures for invoicing, approving Invoices and making payments, and establish a working relationship between JEA and the Company.

The JEA Contract Administrator may, at his or her discretion, request Pre-Work Meetings to be held prior to start of any Field Work. Such meeting(s) shall be attended by, but not limited to, the Company Representative and Company Supervisor. The JEA Contract Administrator will notify the Company in writing of the meeting time and location at least two (2) days prior to the meeting date. In addition, construction progress meetings will be held at a frequency as determined by JEA. Such meeting(s) shall be attended by, but not limited to, the Company's Representative and Company's Supervisor.

2.10.13. TEMPORARY CLOSURE OF ROADWAYS

The Company shall not close or obstruct any portion of a street, road, or private way without first obtaining permits. If any street or private way is rendered unsafe by the Company's operations, the Company shall make such repairs or provide such temporary ways and guards necessary for the protection and safety of persons on the Work and the public and for the orderly maintenance of traffic. All costs associated with temporary closure of roadways shall be included in Bid Price.

The Company shall notify the police and fire departments in writing if it will be necessary to close a street. The Company shall copy JEA on all correspondence relating to street closure. The Company shall notify the police and fire departments prior to closure of the street. The Company shall be responsible for maintaining proper coordination with the proper authorities.

Temporary closure of business entrances must be approved in writing by and coordinated with JEA.

2.10.14. TEMPORARY UTILITIES

The Company shall furnish and install all temporary water, electricity and other utilities required to accomplish the Work. The Company shall obtain the water required for carrying out the Work from fire hydrants, existing water main connections, or new connections approved by JEA. The Company shall install a back flow preventer and water meter assembly if construction water is necessary. Upon Substantial Completion of Work, the Company shall remove all evidence of temporary connections and lines.

Prior to initiating any construction Work, the Company shall coordinate and schedule the provision of temporary utility service required during construction and arrange for the permanent installation and connection of utilities for the completed Work.

2.11. CONFIDENTIALITY AND OWNERSHIP OF DOCUMENTATION

2.11.1. PUBLIC RECORDS LAWS

Access to Public Records

All Documents, data and other records received by JEA in connection with the Contract are public records and available for public inspection unless specifically exempt by law. The Company shall allow public access to all documents, data and other records made or received by the Company in connection with the Contract unless the records are exempt from Section 249(a) of Article I of the Florida Constitution or subsection 119.07(1), Florida Statutes. JEA may unilaterally terminate the Contract if the Company refuses to allow public access as required under the Contract.

Redacted copies of Confidential Information

If the Company believes that any portion of any documents, data or other records submitted to JEA are exempt from disclosure under Chapter 119, Florida Statutes, the Florida Constitution and related laws ("Florida's Public Records Laws"), Company must (1) clearly segregate and mark the specific sections of the document, data and records as "Confidential", (2) cite the specific Florida Statute or other legal authority for the asserted exemption, and (3) provide JEA with a separate redacted copy of the documents, data, or records (the "Redacted Copy"). The Redacted Copy shall contain JEA's contract name and number, and shall be clearly titled "Redacted Copy". Bidder should only redact those portions of records that Bidder claims are specifically exempt from disclosure under Florida's Public Records Laws. If the Company fails to submit a redacted copy of documents, data, or other records it claims is confidential, JEA is authorized to produce all documents, data, and other records submitted to JEA in answer to a public records request for these records.

Request for Redacted Information

In the event of a public records or other disclosure request under Florida's Public Records Laws or other authority to which the Company's documents, data or records are responsive, JEA will provide the Redacted Copy to the requestor. If a Requestor asserts a right to any redacted information, JEA will notify the Company that such an assertion has been made. It is the Company's responsibility to respond to the requestor to assert that the information in questions is exempt from disclosure under applicable law. If JEA becomes subject to a demand for discovery or disclosure of the redacted information under legal process, JEA shall give the Company prompt notice of the

demand prior to releasing the redacted information (unless otherwise prohibited by applicable law). The Company shall be responsible for defending its determination that the redacted portions of the information are not subject to disclosure.

Indemnification for Redacted Information

The Company shall protect, defend, and indemnify JEA from and against all claims, demands, actions, suits, damages, liabilities, losses, settlements, judgments, costs, and expenses (including but not limited to reasonable attorney's fees and costs) arising from or relating to the Company's assertion that all or any portion of its information is not subject to disclosure.

Public Records Clause for Service Contracts

If, under the Contract, the Company is providing services and is acting on behalf of JEA as contemplated by subsection 119.011(2), Florida Statutes, the Company shall:

- Keep and maintain public records that ordinarily and necessarily would be required by JEA in order to perform service;
- Provide the public with access to public records on the same terms and conditions that JEA would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or otherwise prohibited by law;
- Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law; and
- Meet all requirements for retaining public records and transfer, at no cost, to JEA all public records in possession of the Company upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically shall be provided to JEA in a format that is compatible with the information technology systems of JEA.

IF THE COMPANY HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE COMPANY'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

JEA

Attn: Public Records

21 West Church Street

Jacksonville, Florida 32202

Ph: 904-665-8606

publicrecords@jea.com

2.11.2. PROPRIETARY INFORMATION

The Company shall not copy, reproduce, or disclose to third parties, except in connection with the Work, any information that JEA furnishes to the Company. The Company shall insert in any subcontract a restriction on the use of all information furnished by JEA. The Company shall not use this information on another project. All information furnished by JEA will be returned to JEA upon completion of the Work.

2.11.3. PUBLICITY AND ADVERTISING

The Company shall not take any photographs, make any announcements or release any information concerning the Contract or the Work to any member of the public, press or official body unless prior written consent is obtained from JEA.

2.12. LABOR

2.12.1. NONDISCRIMINATION

The Company represents that it has adopted and will maintain a policy of nondiscrimination against employees or applicants for employment on account of race, religion, sex, color, national origin, age or handicap, in all areas of employee relations, throughout the Term of this Contract. The Company agrees that on written request, it will allow JEA reasonable access to the Company's records of employment, employment advertisement, application forms and other pertinent data and records for the purpose of investigation to ascertain compliance with the nondiscrimination provisions of this Contract; provided however, the Company shall not be required to produce, for inspection, records covering periods of time more than one year from the effective date of this Contract.

The Company shall comply with the following executive orders, acts, and all rules and regulations implementing said orders or acts, which are by this reference incorporated herein as if set out in their entirety:

- o The provisions of Presidential Order 11246, as amended, and the portions of Executive Orders 11701 and 11758 as applicable to Equal Employment Opportunity;
- o The provisions of section 503 of the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act (ADA); and
- o The provisions of the Employment and Training of Veterans Act, 38 U.S.C. 4212 (formerly 2012).

The Company agrees that if any of the Work of this Contract will be performed by a Subcontractor, then the provisions of this subsection shall be incorporated into and become a part of the subcontract.

2.12.2. JEA ACCESS BADGES

If the scope of work described in this Contract requires a Company to access JEA facilities, each Company employee shall apply for a JEA access badge through JEA's Security Department. An appointment to obtain a JEA access badge can be made by contacting JEA Security at securitybadge@jea.com. Finally, JEA does not allow Company employees to share JEA access badges. A Company, whose employees are found to be sharing JEA access badges, will result in the Contract being terminated immediately for default. Additionally, JEA shall be notified within six (6) hours of a lost or stolen JEA security badge or when an employee leaves the Company. Report badge termination notifications to JEA Security at (904) 665-8200.

2.12.3. LEGAL WORKFORCE

JEA shall consider the Company's employment of unauthorized aliens a violation of section 274A(e) of the Immigration and Nationalization Act. Such violation shall be cause for termination of the Contract for default upon thirty (30) days' prior written notice of such termination, notwithstanding any other provisions to the contrary in the Contract Documents.

2.12.4. JEA WORKPLACE TOBACCO USE POLICY

It is JEA's policy to maintain a healthy work environment and JEA's goal is to become a tobacco-free workplace. Therefore, JEA prohibits Company employees from using tobacco products while on JEA property or during the performance of JEA Work. JEA reserves the right to require Company to remove an employee who violates this policy from JEA property or JEA Work site upon notice from the JEA Representative.

2.12.5. PROHIBITED FUTURE EMPLOYMENT

It shall be unlawful and a class C offense for any person, who was an officer or employee of JEA, after his or her employment has ceased, to be employed by or enter into any contract for personal services, with a person or company who contracted with, or had a contractual relationship with JEA, while the contract is active or being completed, or within two years of the cessation, completion, or termination of the person's or company's contractual relationship with JEA, where (1) the contract with JEA had a value that exceeded \$250,000, and (2) the officer or employee had a substantial and decision-making role in securing or negotiating the contract or contractual relationship, or in the approval of financial submissions or draws in accordance with the terms of the contract; except that this prohibition shall not apply to an employee whose role is merely as a review signatory, or to contracts entered into prior to January 1, 2008, or to contracts that have been competitively procured. With respect to this

subsection a contract is competitively procured if it has been obtained through a sealed low bid award. A "substantial and decision-making role" shall include duties and/or responsibilities that are collectively associated with: (i) approving solicitation or payment documents; (ii) evaluating formal bids and proposals; and (iii) approving and/or issuing award recommendations for JEA Awards Committee approval. The contract of any person or business entity who hires or contracts for services with any officer or employee prohibited from entering into said relationship shall be voidable at the pleasure of JEA. This prohibition shall not apply to any former officer or employee after two (2) years from cessation from JEA employment.

2.12.6. HIRING OF OTHER PARTY'S EMPLOYEES

Each party recognizes that the other party has incurred or will incur significant expenses in training its own employees and agrees that it will not pursue or hire, without the other party's consent, the other party's employees or the employees of its subsidiaries for a period of two (2) years from the termination date of this Contract.

2.12.7. COMPANY'S LABOR RELATIONS

The Company shall negotiate and resolve any disputes between the Company and its employees, or anyone representing its employees. The Company shall immediately notify JEA of any actual or potential labor dispute that may affect the Work and shall inform JEA of all actions it is taking to resolve the dispute.

2.12.8. MINIMUM QUALIFICATION OF COMPANY PERSONNEL

At a minimum, all Company personnel shall be qualified for the tasks they are assigned. All Company personnel assigned to work at a JEA facility or job site shall be able to read, write, speak and understand English. All Company personnel shall act in a professional manner, with due sensitivity to other persons at the Work Location. If JEA, at its sole discretion, determines that a Company person is unqualified, unfit, or otherwise unsuitable for the tasks assigned, the Company shall immediately stop the person from performing the tasks, and replace the person with a qualified individual. The Company shall pay all costs associated with replacing the unqualified person including, but not limited to, termination, recruiting, training, and certification costs.

The Company personnel assigned supervisory roles, and those with increased authority shall be held to strict scrutiny of their qualifications and suitability for their positions. In addition to the other provisions of this Section, the Company shall provide written documentation as to experience, education, licenses, certifications, professional affiliations, and other qualifications of the individual, within one day of request from the Contract Administrator. Any changes to such personnel after approval shall require the written permission of the Contract Administrator.

2.12.9. PAYMENT OF OVERTIME

Any Overtime required for Company to complete the Work within the Contract Time shall be at the sole cost and expense of Company. However, if JEA requires the Company to perform Overtime Work in order to complete the Work prior to the Contract Time, the Company shall bill JEA for the Overtime such that only the actual costs incurred by the Company relating to the payment of Overtime premiums, in accordance with its labor policies and applicable laws. Such actual costs include Overtime wage premium, and additional taxes and insurance directly associated with the Overtime wage premium. The Company agrees that it will not charge for personnel paid a salary, or other form of compensation such that the Company incurs no direct costs as a result of the Overtime.

The Company shall total the direct Overtime charges, and add the agreed upon overhead rate, but in no case, shall such overhead rate exceed ten percent (10%) of the total overtime costs.

Overtime may only be charged to JEA if the Company was directed in writing by the Contract Administrator to incur the Overtime. Such authorization for Overtime shall be accompanied by a Change Order.

2.12.10. SCHEDULING OF OVERTIME

Whenever the Company schedules Work beyond eight (8) hours per day for a five (5) day week, beyond ten (10) hours per day for a four (4) day week, beyond forty (40) hours per week, or on Saturdays, Sundays, or Holidays, then the Company shall arrange, in advance, for the JEA Representative to inspect the Work performed during Overtime. The Company shall not perform Overtime Work or after-hours Work without a JEA Representative at the Work Location or available to perform the inspections, as directed by the Contract Administrator. Except where JEA

has requested the Company schedule Overtime to perform additional Work, the Company shall reimburse JEA for any additional costs associated with JEA Representatives' Overtime pay.

2.12.11. SHOW-UP PAY

In the event that inclement weather prevents the Company from performing Work, the Company may be obligated to pay its crew a show-up pay. The Company shall be solely responsible for providing this pay.

2.13. COMPANY'S RESPONSIBILITIES AND PERFORMANCE OF THE CONTRACT

2.13.1. COMPANY REPRESENTATIVES

The Company shall provide JEA with the name and responsibilities of the Company Representative, in writing after Award of the Contract and before starting the Work under the Contract. Should the Company need to change the Company Representative, the Company shall promptly notify JEA in writing of the change.

2.13.2. COMPANY REVIEW OF PROJECT REQUIREMENTS

The Company shall review the Work requirements and specifications prior to commencing Work. The Company shall immediately notify the Contract Administrator in writing of any conflict with applicable law, or any error, inconsistency or omission it may discover. JEA will promptly review the alleged conflicts, errors, inconsistencies or omissions, and issue a Change Order or Purchase Order as appropriate if JEA is in agreement with the alleged conflict, and issue revised specifications. Any Work the Company performs prior to receipt of approved Change Order will be at the Company's sole risk.

2.13.3. LICENSES

The Company shall comply with all licensing, registration and/or certification requirements pursuant to applicable laws, rules and regulations. The Company shall secure all licenses, registrations and certifications as required for the performance of the Work and shall pay all fees associated with securing them. The Company shall produce written evidence of licenses and other certifications immediately upon request from JEA.

2.13.4. PERFORMANCE OF THE WORK

The Company represents and warrants that it has the full corporate right, power and authority to enter into the Contract and to perform the acts required of it hereunder, and that the performance of its obligations and duties hereunder does not and will not violate any Contract to which the Company is a party or by which it is otherwise bound. The Company warrants that all items provided under the Contract shall be free from Defect and services shall be performed in a professional manner and with professional diligence and skill, consistent with the prevailing standards of the industry. The Company warrants that the Work will meet the functional and performance requirements defined in the Contract.

2.13.5. WORK INFORMATION

In the event the Company requires additional information regarding the scope, technical specifications, Work Locations, personnel requirements, or other information pertinent to the Work or Contract, the Company shall request such information or clarifications from the Contract Administrator in writing. Within the bounds of the JEA Representative's authority, JEA Representatives may provide requested information to the Company.

2.13.6. WORK LOCATION CLEANLINESS

The Company shall, at all times, keep the Work Location free from an accumulation of waste materials or rubbish caused by its operations. At the completion of the Work, the Company shall remove all waste materials and any rubbish from and about the project, as well as any tools, construction equipment, machinery and surplus materials. If the Company fails to clean up at the completion of the Work, JEA may do so and charge the cost thereof to the Company.

2.13.7. WORKMANSHIP

The Company shall perform all Work in a safe and professional manner, so as to render a neat and uniform appearance. The Company shall handle all material in such a way as to preserve its finish and protective coatings

from damage. General arrangement shall be in accordance with JEA Distribution Construction Standards and shall be satisfactory to the Contract Administrator.

2.13.8. COMPETENT PERFORMANCE OF THE WORK

The Company represents that it will conduct the Work in a manner and with sufficient labor, materials and equipment necessary to affect a diligent pursuance of the Work through Final Completion. If, in the sole opinion of JEA, the Company fails to perform the Work as represented, JEA may, at its sole discretion, take charge of the Work and furnish and provide the labor, materials, and equipment necessary to complete the Work as planned within the required time if JEA deems the organization of the Company or its management, or the manner in which Company is performing the Work, to be manifestly incompetent or inadequate to complete the Work as specified. The Company shall pay JEA for the cost of all such Work completed by JEA.

2.13.9. COMPLIANCE WITH REFERENCED SPECIFICATIONS

All Work, materials, systems or operations specified by reference to standard trade specifications or to manufacturer's published specifications shall comply with the requirements of the referenced specifications, except as modified by the requirements of the Contract Documents. The referenced specification used shall be the latest published edition that is in effect on the effective date of this Contract unless a particular edition is specified. In case of a conflict, the specifications that contain the more stringent requirements will govern.

2.13.10. COMPANY'S KNOWLEDGE OF THE WORK

The Company represents that its total Bid Price and the detailed schedule for the execution of the Work are based on its own knowledge and judgment of the conditions and hazards involved, and not upon any representation of JEA. JEA assumes no responsibility for any understanding or representation made by any of its representatives during or prior to execution of the Contract unless such understandings or representations are expressly stated in the Contract and the Contract expressly provides that JEA assumes the responsibility.

2.13.11. CONTRACTOR'S PLANS AND SPECIFICATIONS

All plans and specifications that the Contractor provides for any building, structure, system or equipment where required by federal, state, local laws and regulation as part of the Work shall bear the seal of a professional engineer duly registered in the State of Florida at no cost to JEA.

2.13.12. DAMAGED MATERIALS OR EQUIPMENT

The Company shall report to the Contract Administrator any materials issued by JEA or delivered by the JEA material supplier and received by the Company that are later found to be faulty, damaged or discrepant in some manner. The Contract Administrator will obtain appropriate replacement materials upon written notification from the Contract Administrator. The Company shall not, under any circumstances, make a material replacement without written approval of the Contract Administrator.

The Company understands and agrees that damage to material and discrepancy of material is an expected part of performing the Work, and as such, the Company agrees it shall be solely responsible for any additional costs incurred as a result of damaged or discrepant materials, including, but not limited to, the costs to keep or get the Work on the Approved Schedule.

JEA will bill the Company for materials or equipment that is damaged while in the Company's custody. In such a case, the Company shall be charged the current JEA cost plus an inventory handling fee.

2.13.13. DELIVERY LOCATION

The delivery address for items provided under this Contract will be arranged by the Company and approved by JEA Project Manager.

2.13.14. EMERGENCY PROCEDURES

In emergencies affecting the safety of persons, the Work or property at the Work Location or any other area adjacent thereto, the Company, without special instructions or authorization from JEA Representatives, is obligated to act to its best ability to prevent threatened damage, injury or loss to the Work, any persons, or property. The Company

shall give the Contract Administrator prompt written notice describing the emergency, its cause, actions taken, injuries and casualties, property damage, other damages, and impact on continued performance under this Contract.

2.13.15. LAW ENFORCEMENT/SECURITY

Onsite law enforcement shall be provided by the Company to ensure safe working conditions for site personnel. Any work activities performed at night shall have onsite law enforcement present. Company shall submit with corresponding pay application verification of the number of hours of law enforcement utilized during each pay period, including any associated fees. Company agrees to invoice JEA for law enforcement at its cost with no markup.

2.13.16. ENCROACHMENTS ON RIGHTS OR PROPERTY

The Company shall be solely responsible for any encroachments on public property or on the rights or property of adjoining property owners to the Work Location, and shall hold JEA harmless because of any encroachments that may result because of the Company's improper layout. In this regard, the Company shall, without extra cost to JEA, remove any Work or portion of any Work that encroaches on the property other than that of the Work Location, or that is built beyond legal building or setback limits. The Company shall rebuild the affected Work or portion of Work at the proper location and in full compliance with the Contract Documents.

2.13.17. REMOVAL OF WORK

The Company shall not sell, assign, mortgage, hypothecate or remove Work that has been delivered to or installed at the Work Location.

2.13.18. FREE AND CLEAR TITLE

The Company warrants that it has title to all equipment and materials furnished under the Contract where title will pass to JEA, and that the equipment and materials passed to JEA are free and clear of all liens, claims, security interests and encumbrances.

2.13.19. INSPECTIONS AND TESTING

JEA, or its designated representatives, will perform inspections at the Company facilities during normal business hours and in a manner that minimizes disruption to the normal day-to-day work activities of the Company. Company shall provide safe and proper facilities for inspection access and observation of the Work and also for any inspection or testing by others.

If the Company has covered or concealed any Work from inspection in any way that the JEA Representative has not specifically requested prior to the JEA Representative's inspection, or if the JEA Representative considers it necessary or advisable that covered Work be inspected or tested by others, the Company, at the JEA Representative's request, shall uncover, expose or otherwise make available the portion of the Work in question for observation, inspection or testing as the JEA Representative may require. The Company shall furnish all necessary labor, material and equipment to make such Work available.

If such Work is defective, the Company shall bear all expenses of uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, including, but not limited to, compensation for additional professional services required by JEA, and no change in Contract Time will be considered as a result of the foregoing.

If such Work is not defective, JEA will reimburse the Company for actual time, material, and equipment costs for uncovering and reconstruction of the portion of the Work in question. JEA may also, at its sole discretion, grant the Company an extension of the Contract Time directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction.

All materials and equipment used in the construction of the Contract shall be subject to adequate inspection and testing in accordance with accepted standards. The Company shall select the laboratory or inspection agency for making all tests required by the specifications, and shall pay for this laboratory service direct, as a part of this Contract.

The Company shall pay for all required testing of materials and equipment. Two (2) copies of each test showing certification of each test shall be furnished to the JEA Engineer immediately after such test has been made and with the exception of concrete, prior to delivery of the materials or equipment tested to the Work Location. JEA will not accept the materials or equipment until tests have been approved.

Materials of construction, particularly those upon which the strength and durability of the structure may depend, shall be subject to inspection and testing to establish conformance with specifications and suitability for uses intended. Test requirements for all materials are set out in the detailed specifications for that particular material. All materials and equipment prior to being incorporated in the Work, and required by the JEA Engineer to be tested, shall be tested for conformance with contractual requirements. Standard items of a uniform nature may be accepted on the manufacturer's certification. Where specific performance and/or quality is referred to, it is the Company's responsibility to have the necessary tests performed by qualified persons to show that the contractual requirements are being met except those tests named in the Contract Documents to be performed by JEA. Certified test results shall be submitted promptly in quadruplicate to the JEA Engineer for review. All tests shall be performed in accordance with referenced standards. Where no reference is made, tests shall be performed in accordance with the methods prescribed by the American Society for Testing and Materials or such other organization as would be applicable.

The Company shall pay for any retests resulting from its failure to provide Work that passes required tests.

The JEA Engineer may appoint JEA Inspectors to inspect any and all materials and Work. Such inspection may extend to any or all parts of the Work and to the preparation and manufacture of the materials to be used. The JEA Inspectors shall not be authorized to alter, revoke, enlarge or relax the provisions of the Contract, nor will they be authorized to approve or accept any portion of the completed Work, nor to issue instructions contrary to the Contract. The JEA Inspector shall inform the JEA Engineer of the progress of the Work and the manner in which it is being done, and notify the Company of any infringement upon the Contract Documents. The JEA Inspector will have the authority to reject defective materials or to suspend any Work that is being improperly done subject to the final decision of the JEA Engineer.

2.13.20. INTERFERENCE WITH EXISTING UTILITIES

The Company acknowledges and agrees that there is a possibility that existing JEA or other utility facilities may cross and/or lie parallel to excavations in the area where Work will occur. Although JEA may indicate recorded obstacles on the drawings, it does not warrant that other subsurface obstacles do not exist. The Company shall be responsible for verifying the data furnished by JEA and for fully investigating and locating additional obstructions including every type below, on or above the ground. The Company should regard these impediments as normal to construction. All costs for performing such work shall not be paid for separately, but shall be included in the Company's costs on the Bid Document.

The Company shall comply with all requirements of the Sunshine State One-Call program.

In the event the Company encounters an unidentified utility during performance of the Work, the Company shall promptly cease Work in the affected area and shall immediately notify the JEA Representative in writing. JEA will investigate the area and propose remedial actions in accordance with the provisions stated herein in "Changes to the Work".

The Company shall work in cooperation with JEA and representatives of existing utilities to plan and coordinate putting new Work into service so as not to interfere with the operation of the existing utilities. Such plans shall be adhered to unless deviations therefrom are expressly permitted in writing by the Contract Administrator.

The Company shall at all times conduct the Work in a manner that interferes as little as possible with the existing utilities. Any cables exposed during construction, whether energized or not, must be handled and protected as if they are energized. The Company shall so conduct its operations and maintain the Work in such condition that adequate drainage shall be in effect at all times. The Company shall not obstruct existing gutters, ditches and other runoff facilities. When working in the vicinity of overhead lines, the Company shall request line rubber protection from JEA at least ten (10) days in advance of performing the work.

The Company shall be solely responsible for any damages, interferences, and interruptions of service caused to any utility's assets and services including water, sewer, electric, telephone, gas, cable, and other utility services, that result from the Company's failure to fulfill the above stated requirements.

In the event the Company damages an existing utility, the Company shall immediately notify the property owner, the owner of the damaged utility and the JEA Representative. Should the damage cause an interruption of service, the Company shall be responsible for restoring service as soon as possible; however, the Company shall not make repairs, other than any required to restore safe conditions, without the approval of the property owner, or the owner of the damaged utility. The Company shall be responsible for coordinating any repair effort, and any associated costs should the utility owner or a licensed repair contractor is required to make the repair. JEA reserves the right to deduct any unsettled claim amount from Company's invoices until such time as the claim is satisfactorily resolved.

2.13.21. INTERFERENCE WITH OTHER JEA WORK OR OTHER COMPANIES

The Company shall perform the Work in a manner that minimizes the interference with other JEA work, City of Jacksonville work, or with work performed by other companies. The Company shall coordinate the Work with other persons and companies employed by JEA. If a difference of opinion regarding scheduling or coordination of the Work arises between the Company and another JEA contractor(s) performing work at the Work Location, JEA may arbitrate the matter. In such cases where JEA makes a decision regarding the scheduling or coordination of the work, the Company agrees to fully abide by JEA's decision. Unless otherwise agreed in writing by JEA, JEA will not be responsible for additional costs.

Any claims arising against the Company from damages to other companies' work, equipment, machinery, tools or other property shall be settled directly between the Company and the other companies involved. JEA will not, in any way, be a party to arbitrating or mediating any such disputes, nor shall JEA be responsible for any costs associated with such disputes.

2.13.22. INTERFERENCE WITH RAILROADS

The Company shall not build across, into, over or under, either temporarily or permanently, any portion of a railway or railway right-of-way without first obtaining all required permits. If the Company's operations render any railroad unsafe, the Company shall immediately notify the Contract Administrator and the railroad owner and take appropriate actions and such temporary safeguards as required to protect life, limb, and property, and to maintain orderly traffic.

The Company shall procure all railroad permits required for the Work beyond those procured by JEA and the costs for such permits shall be included in the Bid Documents. All costs associated with railroad fees for railroad flagmen, watchouts, inspectors, supervisors, any additional training of Company's employees that is required by applicable laws, rules and regulations when performing Work in association with railways, any certifications required for successful completion of the Work and all other associated costs shall be included in the Bid Document.

2.13.23. MATERIAL DELIVERED TO COMPANY SITES

The Company shall be responsible for all unloading, handling and storage of Work-related materials at the Work Location. Where the Company is to use a JEA-designated supplier to deliver materials to the Work Location, JEA will provide the Company, upon request, with contact names and information, along with required material lead-times. The Company is solely responsible for taking into account required material lead-times when planning its performance of the Work and for communication and coordination of materials delivered to the Work Location by JEA suppliers. The Company shall be responsible for any additional delivery costs charged by the JEA material supplier for any Company delays.

If, for any reason, the Company is unable to receive, unload, handle or store materials it has ordered or caused to be ordered, the Company shall be responsible for any and all additional costs incurred by JEA for unloading, handling, storing, or additional shipping costs. In such cases where JEA is receiving items when the Company is unable to, such receipt does not indicate JEA's Acceptance of items.

2.13.24. OBLIGATIONS OF THE COMPANY

The Company shall provide everything necessary to successfully complete the Work except the materials and services specifically stated in the Contract to be provided by JEA. No payments, other than those shown in the Bid Documents, will be made to the Company for performance of any requirements of the Contract Documents. The Company shall perform all Work in accordance with the Contract Documents and the applicable JEA standards manuals, safety manuals, policies, accepted commercial work practices, local, state, and federal, rules regulations and laws which may be amended from time to time. The Company shall provide all permits, certifications, insurances, and bonds necessary or required by good practice, except where specifically stated in the Contract to be provided by JEA.

The Company's personnel shall perform all Work in a professional, efficient, and competent manner. The Company is obligated to provide personnel possessing the skills, certifications, licenses, training, tools, demeanor, motivation, and attitude to successfully complete the Work. The Company is obligated to remove individuals from performing Work under this Contract when the Company recognizes an individual to not be working in a manner consistent with the requirements of this Contract, or when JEA notifies the Company that JEA has determined an individual or group of individuals to not be working in a manner consistent with the requirements of this Contract. The Company is obligated to ensure that their officers and executives interact with JEA, JEA customers, whether direct or indirect customers of JEA, with the utmost level of professionalism and integrity.

In the event the Contractor chooses to use Subcontractors, the Contractor is obligated to provide Subcontractors possessing the skills, certifications, licenses, training, tools, demeanor, motivation and attitude to successfully perform the work for which they are subcontracted. The Contractor is obligated to remove Subcontractors from performing Work under this Contract when the Contractor recognizes that a Subcontractor is failing to work in a manner consistent with the requirements of this Contract, or when JEA notifies the Contractor that JEA has determined a Subcontractor is failing to work in a manner consistent with the requirements of this Contract.

The Contractor is obligated to ensure that sufficient supervision of the Work is provided. This includes ensuring that the Contractor Supervisor is at the Work Location when Work is being performed.

The Contractor shall bear sole responsibility for the efficiency, adequacy and safety of the performance of the Work, including temporary Work and facilities, until Acceptance. The Contractor shall be solely responsible for any loss or damage to materials, tools, labor, and equipment used during the performance of, or in connection with, the Work. Any JEA comments or approval regarding the Contractor's performance, materials, working force, or equipment will not relieve the Contractor of any responsibility.

2.13.25. PROTECTION OF COMPANY PROPERTY

The Company shall bear sole responsibility for the efficiency, adequacy and safety of the performance of the Work, including temporary Work and facilities, until Final Completion. The Company shall be solely responsible for any loss or damage to materials, labor, and equipment used during the performance of, or in connection with, the Work. Any JEA comments or approval regarding the Company's performance, materials, working force, or equipment will not relieve the Company of any responsibility for such loss.

2.13.26. PROTECTION OF EXISTING FACILITIES AND GROUNDS

The Company shall be responsible for protecting all the existing facilities including, but not limited to, buildings, lawns, landscaping, sprinkler systems, and pavements, both public and private, that are encountered during the performance of the Work. At all times, the Company shall cooperate with the owners of such facilities by arranging and performing the Work in and around such facilities in a manner that facilitates their preservation, relocation, and/or reconstruction. The Company shall be responsible for the full restoration or replacement if the Company damages such facilities during or resulting from performance of the Work.

The Company shall verify the existing dimensions and clearances before laying out the Work. When the Work involves the laying of utility lines across landscaped areas and grassed areas, which may include, but is not limited to, irrigation systems, streets, sidewalks, and other paved areas, the Company shall protect and preserve all trees, shrubs, palms, landscaping, etc., and restore such areas and all paved areas to their original sound conditions using construction techniques and materials that are the same as existing including replacing plants and trees with those of

similar size and age. In the case of planted areas, the Company shall maintain the restoration Work until positive growth has been acknowledged in writing by the Contract Administrator.

All costs for such restoration and replacement work shall be included in the associated lines on the Bid Documents.

The Company shall not (except upon written consent from the property owner and Contract Administrator) enter or occupy with workers, tools, equipment or vehicles any land outside the permitted easements, right-of-ways, JEA property or the City of Jacksonville property.

2.13.27. QUALITY CONTROL AND QUALITY ASSURANCE

The Company shall provide Quality Control to ensure the Work is performed in accordance with the Contract. Quality Control shall be appropriate for the nature of the Work, and shall be conducted in a manner consistent with sound quality management and industrial engineering principles. The Company shall have only personnel trained in Quality Control techniques and experienced with the nature of the Work perform the Quality Control function.

JEA may perform Quality Assurance activities. Such activities whether performed or not, do not in any way limit or reduce the Company's requirements. JEA may become aware of quality related problems during its performance of Quality Assurance, but has no obligation to notify the Company of its findings. The Company shall provide access to all areas of Work, including the Company's facilities, for JEA Quality Assurance personnel and JEA Representatives. JEA will conduct Quality Assurance activities so as not to excessively interfere with the Work, however, where JEA Quality Assurance personnel request specific actions of the Company, the Company shall comply with the request and agrees that such compliance is included as part of its Contract Price.

2.13.28. SAFETY AND PROTECTION PRECAUTIONS (CONSTRUCTION)

The Company shall comply with all applicable federal, state and local laws, ordinances, all JEA procedures and policies including, but not limited to, JEA's Contractor Safety Management Process (available at JEA.com), and orders of any public body having jurisdiction for the safety of persons or protection of property. The Company understands and agrees that a violation of any provision of this Section e is grounds for an immediate termination of the Contract for default, with no requirement for JEA to provide Company with advanced notice and opportunity to cure. Additionally, the Company shall be responsible for all JEA damages associated with such termination.

The Company shall only use those Subcontractors who have met JEA Safety Prequalification requirements in the JEA Contractor Safety Management Process. The Company shall ensure that Subcontractors and their personnel have all the necessary personal protective equipment and training needed to perform the Work safely.

The Company understands and agrees that JEA Representatives may stop Work at any time that JEA, at its sole discretion, considers the Company's Work to be unsafe or a risk to person or property, and to direct the Company to, at a minimum, perform as directed in such a way as to render the Work environment safe. The Company understands and agrees that it is responsible for paying all costs associated with providing a safe work environment including, but not limited to, any costs associated with any JEA directed safety improvements. The Company also understands and agrees that it is solely responsible for the safety of personnel and property associated with the Work, and that any actions taken by JEA to prevent harm to persons or damage to equipment does not, in any way, relieve the Company of this responsibility.

The Company Representative, or alternatively, the Company Supervisor, shall be designated as the Company's representative responsible for the prevention of accidents.

If the nature of the Work requires, the Company shall notify the police and fire departments as to its Work Location in order to ensure prompt response in an emergency.

2.13.29. SAFETY REPRESENTATION

The Company represents and warrants to JEA that it has the capacity to train and supervise its employees, Subcontractors and suppliers to ensure the Work complies with all safety requirements of the Contract Documents. The Company shall be responsible for executing the necessary safety training and supervision of its employees and

Subcontractors, and acknowledges that JEA is not responsible for training or supervising the Company's employees, except when noted for the purpose of enforcing compliance with these safety requirements.

2.13.30. SALVAGE AND EXCESS MATERIALS AND EQUIPMENT PROVIDED BY JEA

The Company shall protect salvaged or salvageable equipment and material from loss and damage. The Company shall protect excess materials and equipment provided by JEA to the Company for use in the Work from loss and damage. The Company shall inventory, sort and return salvage and excess materials, and shall weigh conductors. The Company shall return salvage and excess materials and equipment to the appropriate JEA Service Center accompanied by the Contractor Material Returns Form, in accordance with the JEA's inspector and the instructions and authorization of the JEA's storeroom foreman.

2.13.31. SHIPPING - FOB DESTINATION

Items are purchased F.O.B. destination. The Company shall ensure the following:

- o Pack and mark the shipment to comply with the Contract Documents; or in the absence of specifications in the Contract Documents, prepare the shipment in conformance with carrier requirements;
- o Prepare and distribute commercial bills of lading;
- o Deliver the shipment in good order and condition to the point of delivery specified in the Contract;
- o Be responsible for any loss of and/or damage to the goods occurring before receipt of the shipment by JEA Representative at the delivery point specified in the Contract;
- o Be responsible for obtaining any permits required for transportation to the installation site;
- o Furnish a delivery schedule and designate the mode of delivering carrier; and
- o Pay and bear all charges to the specified point of delivery.

2.13.32. SHOP DRAWINGS

The Company shall promptly submit all required Shop Drawings in accordance with the provisions provided herein. JEA will not grant an extension of Contract Time due to the Company's failure to submit Shop Drawings in ample time to allow for checking, revisions, reviews, and approval.

A letter of transmittal and four copies of each shop drawing shall accompany each submittal. Shop drawings shall be forwarded to the JEA Engineer. Each drawing shall be listed separately on the letter. The Company shall also note distinctively on the transmittal letter any deviations that the Shop Drawings may have from the requirements of the Contract Documents.

The JEA Engineer's approval of Shop Drawings shall not be construed as a complete check, nor shall it relieve the Company from responsibility for any deficiency that may exist, or from any departures or deviations from the requirements of the Contract unless the Company has, in writing, called the JEA Engineer's attention to such deviations at the time of submission and obtained written approval for the deviation. The JEA Engineer's approval shall not relieve the Company from the responsibility for errors of any sort in Shop Drawings or schedules, nor from responsibility for proper fitting of the Work, nor from the necessity of furnishing any Work, materials, equipment or tools, required by the Contract Documents that may not be indicated on Shop Drawings when approved. The Company shall be solely responsible for all quantities and dimensions shown on the Shop Drawings. The Company shall not execute any Work until the JEA Engineer approves the Shop Drawings and a copy stamped "Approved" is at the Work Location. The Company shall, at no extra cost to JEA, make all changes and alterations whatsoever in Work performed or in subcontracts or orders placed prior to the approval of any and all Shop Drawings.

The Company shall allow a minimum of fourteen (14) days for the review of Shop Drawings. This shall be the period for new Shop Drawings and Shop Drawings that are revised and resubmitted.

As used herein, the term "manufactured" applies to standard units usually mass produced, and "fabricated" means items specifically assembled or made out of selected materials to meet individual design requirements. Shop drawings shall establish the actual details of all manufactured or fabricated items; indicate proper relation to

adjoining Work; amplify design details of mechanical and electrical equipment in proper relation to physical spaces in the structure; and incorporate minor changes of design or construction to suit actual conditions.

Shop drawings shall be complete in every detail, properly identified with the Contract name, Contract and subsection number for identification of each item, and state the qualifications, departures or deviations from the Contract, if any. Shop drawings for each section of the Work shall be numbered consecutively and the numbering system shall be retained throughout all revisions. Each drawing shall have a clear space above the title block in the lower right-hand corner for the approval stamps of the Company and the JEA Engineer.

If the materials are not listed in JEA's Approved Materials Manual, then prior to purchase of material or fabrication, the Company shall forward to the JEA Engineer for review, five sets of each shop drawing plus the number of prints it desires returned.

In checking the Shop Drawings, the Company shall verify all dimensions and field conditions and shall check and coordinate the Shop Drawings of any section or trade with the requirements of all other sections or trades whose Work is related thereto, as required for proper and complete installation of the Work. All rough-in and connections for utilities shall conform to approved equipment Shop Drawings.

The JEA Engineer will review the Shop Drawings and will return them to the Company stamped to indicate the action taken. The stamp will indicate that the shop drawing is "Approved", "Approved as Noted", "Returned for Correction", or "Disapproved". Only those Shop Drawings stamped "Returned for Correction" or "Disapproved" shall be resubmitted for subsequent review. Resubmittals shall be in the same form and number of copies as original submittals, with notation indicating a revised submittal. The Shop Drawings stamped "Approved" or "Approved as Noted" will be returned to the Company, who will be responsible for obtaining prints thereof and distributing them to the field and Subcontractors.

At the same time the JEA Engineer returns a reviewed submittal to the Company, it will forward two copies of each item stamped "Approved" or "Approved as Noted" together with any conditions of approval, to JEA for field and office use. The JEA Engineer may revoke approval of Shop Drawings, should field conditions so dictate.

2.13.33. STORAGE

With the approval of the JEA Engineer, a limited amount of temporary indoor storage space may be made available, but only for the equipment that must be protected from the weather. Equipment for which arrangements have been made for indoor storage shall be packed separately and the container clearly marked "For Indoor Storage." For equipment that will be stored indoors and that will require special storage precautions, the storage instructions shall be shown on the outside of each container, or in a durable envelope identified as containing storage instructions and attached to the container.

2.13.34. STORAGE OF EQUIPMENT

The Company shall be responsible for all storage of materials, equipment, vehicles, tools, and all other items associated with the Work. Such storage shall comply with applicable regulations appropriate for the items being stored to ensure suitable care for items and protection from theft, vandalism, or inappropriate use. The Company is solely responsible for the costs for such storage, unless otherwise indicated in the Contract Documents, and any costs associated with noncompliant storage including, but not limited to, loss and damage to items. In the event that JEA directs the Company to stop the Work, costs associated with storing equipment or materials will be compensated in accordance with the Contract Documents. The Company shall ensure that JEA Representatives have access to Work-related storage on an as needed basis during regular work hours and Overtime.

2.13.35. STORM PREPAREDNESS

In the event of a Hurricane Warning, Tropical Storm Warning, or other large storm affecting the Work Location, the Company shall secure, or shall remove and store all equipment and materials at the Work Location including, but not limited to, cones, barricades, lights and signs. The Company shall begin taking such precautions as necessary to secure the Work Location upon official issuance of mandatory evacuation of the area of the Work Location and no later than twenty-four (24) hours prior to predicted arrival of tropical storm or hurricane force winds, or when

notified by a JEA Representative to do so. These activities are considered a regular part of the Work; regardless of the frequency they are required.

2.13.36. SUBSTITUTIONS

Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular supplier, the naming of the item is intended to establish the type, function and quality required.

Materials or equipment of other suppliers may be accepted by the JEA Engineer if sufficient information is submitted by the Company to allow the JEA Engineer to determine that the material or equipment proposed is equivalent or equal to that named.

The Company shall make written application to the JEA Engineer for acceptance thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as that specified.

The application shall state that the evaluation and acceptance of the proposed substitute will not prejudice the Company's completion of the Work within the time prescribed by the Contract, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents (or in the provisions of any other Contract directly with JEA for Work on the Contract) to adapt the design to the proposed substitute and whether or not incorporation or use of the substitute in connection with the Work is subject to payment of any license fees, royalties, permits or any other costs.

All variations of the proposed substitute from that specified shall be identified in the application and available maintenance, repair and replacement service shall be indicated.

The application shall also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other Companies affected by the resulting change, all of which shall be considered by the JEA Engineer in evaluating the proposed substitute.

Requests for review of substitute items of material and equipment will not be accepted by the JEA Engineer from anyone other than the Company.

The JEA Engineer may require the Company to furnish, at the Company's expense, additional data about the proposed substitute.

If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract, the Company may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to the JEA Engineer, if the Company submits sufficient information to allow the JEA Engineer to determine that the substitute proposed is equivalent to that indicated or required by the Contract.

The JEA Engineer will be allowed a reasonable time within which to evaluate each proposed substitute; such time shall not be deemed justification for an extension of the Company's time for completion of the Contract.

The JEA Engineer will be the sole judge of acceptability, and no substitute shall be ordered, installed or utilized without the JEA Engineer's prior written notice, which shall be evidenced by either a Change Order or an approved shop drawing.

JEA may require reimbursement for the costs associated with JEA's evaluation of substitutions.

JEA may require the Company to furnish, at the Company's expense, a special performance guarantee bonds or other surety with respect to any substitution.

2.13.37. TOOLS AND EQUIPMENT

All tools and equipment used in the performance of the Work shall be used as intended by the manufacturer and in accordance with manufacturer operating manuals and industry practices, whichever is more stringent. The Company shall ensure that all tools and equipment used in the performance of the Work shall be of the size and quality suitable for safe and efficient performance of the Work. If the Company-provided tools and equipment do not meet these requirements, or if in the sole opinion of JEA formed after considering relevant factors, the tools or equipment are inappropriate for performance of the Work, the Company agrees to remove the unacceptable tools and equipment and obtain tools and equipment JEA considers suitable. Such replacement shall be entirely at the Company's expense, and no change to time prescribed by the Contract will be allowed.

The Company is responsible for furnishing and the security of any and all tools and equipment required to perform the Work.

2.13.38. CARE OF JEA CUSTOMERS

The Company agrees to provide excellent customer service throughout the execution of the Work during both scheduled Work hours and Overtime in the manner, as a minimum, as set forth below:

Customer Service Plan:

The Company shall submit a Customer Service Plan prior to mobilization and designate an individual to assume the duties of the Company's Customer Service Representative (CSR) as described herein.

The Company shall provide an after-hours emergency phone number to JEA.

The Company shall provide contact numbers for those individuals assigned to concerns arising during non-business hours and in the event of emergencies. The designated person(s) shall provide a cellular phone number as the main contact number, and one alternate number. The designated person(s) shall respond to JEA with proposed resolution within two (2) hours of receiving a call from a JEA representative or customer. If the Company fails to respond within the designated time and it is thereby necessary for JEA to provide assistance, the Company shall be responsible for all costs incurred by JEA as a result of resolving the concern.

Upon JEA approval, the Company shall deliver fliers and/or door hangers provided by Project Outreach to all customers in an affected work area at least three (3) days prior to each construction activity including, but not limited to, locates, TV/cleaning, soil borings, mobilization, etc. Upon JEA's request, the contractor will install JEA provided signage at a location chosen by the JEA project team. These signs will be removed by the contractor at the end of the project.

The Company shall notify affected customers prior to any planned water/electric outages, line flushing, valve simulations and driveway/curb construction, paving and road closures. The notification will be produced by the Company (unless notifications are provided by JEA) and approved by JEA Project Outreach.

Customer Concerns:

The CSR shall contact the JEA customer who has a concern by the end of the business day of when the concern was received from JEA Project Outreach. The Company shall contact Project Outreach within two business days to confirm that they have contacted the customer and assessed the concern.

The CSR shall provide JEA Project Outreach with concern evaluations, resolutions, and actions taken all within five (5) business days of when the concern was received.

The CSR shall notify Project Outreach immediately after a concern has been resolved with specific resolution actions or an update of the resolution. Project Outreach will contact the customer following notification of resolution to confirm the resolution before Project Outreach closes the concern and prior to notifying the Company, the CSR, JEA Representatives and inspectors of resolution of the concern.

Within one (1) business day of receiving a concern from a JEA customer, the Company shall notify JEA Project Outreach in writing of each customer concern reported directly to the Company's personnel by any JEA customer. Such notification shall include, as a minimum: the Company's name, date and time the concern was communicated to the Company, the name, address and phone numbers for the customer, the nature of their concern and any action that was taken or any action currently underway to resolve the concern. The CSR shall follow the customer concern procedures stated above.

If the Company fails to meet the problem resolution deadlines stated in this document in a manner that meets acceptable quality standards, JEA may make repairs or take other necessary actions to resolve the issue, which shall be at the Company's sole expense.

Duties of the Customer Service Representative (CSR)

The Company shall provide a Customer Service Representative for the Term of the Contract. The CSR's primary responsibilities shall include, but are not limited to the following:

Communication: Serve as the primary point of contact for customer concerns and information requests; report customer concerns to the JEA Project Manager and Project Outreach or other internal JEA resources and assist in resolution of issues; and meet with customers on site as needed to assess their concerns.

Planning: Conduct biweekly progress meetings with JEA Project Manager; conduct progress meetings with Project Outreach regularly and as needed to review any outstanding complaints and provide a timeframe/action plan for resolving them; review customer satisfaction targets and goals, measurements, documentation and project definition and assist with making improvements; conduct periodic customer service reviews during the course of the Work to assess and identify any items considered to be at risk or vulnerable in relationship to meeting JEA goals and objectives; and notify Project Outreach, in a timely manner, of change in scope or schedule.

Process Improvement: Work with JEA to identify process improvement opportunities that increase customer service and satisfaction; make recommendations to JEA to enhance and assist with JEA goals and objectives for customer service; and conduct a customer service review at the completion of the construction phase of a project, but prior to the restoration, or "punch list" phase, to assess customers' satisfaction with the handling of concerns and customers' overall response to the project.

Disruption of Utility Services: If the Company disrupts any utility services (water, sewer or electric, etc.) during performance of the Work, the Company shall return them to operation as soon as possible. No disruption to any utility service disruption shall exceed the end of the Company's normal work shift. No disruption to the customer's utility services shall exceed any twelve (12) hour period. Should any of the customer's utility services be disrupted, for a period longer than twelve (12) hours, the Company shall provide alternative arrangements for the customer, as determined by JEA, with no additional cost to JEA for these arrangements unless otherwise specified in the documents. The CSR shall immediately notify JEA Project Outreach (telephone 665-7500) of any service disruptions.

Restoration: The Company shall restore, for no additional compensation, the landscaping of any properties affected by the Company's actions, directly or indirectly, (in the right-of-way not related to ongoing Work, or isolated Work in the right-of-way that would leave unrestored areas for undue periods of time subject to criticism) to its original state, within five calendar days from the time the area was disrupted. All other restoration required within the right-of-way shall be scheduled in the customary method for such construction and in accordance with any permit conditions.

The Company shall, at its own expense (unless otherwise specified in the documents), repair any irrigation systems damaged by the Company's Work within one day from the time the irrigation system was damaged. If this is not possible, the Company shall inform the customer of the damage and provide an estimated time for repair. In addition, the Company shall make adequate provisions for the customer to water and maintain his or her lawn.

The Company shall repair, at its own expense, any asphalt and concrete damaged by Company (in the right-of-way not related to ongoing Work, or isolated Work within the right-of-way that would leave unrestored areas for undue periods of time subject to residents/customer criticism) within five calendar days from the time the damage

occurred. All other restoration required within the right-of-way shall be scheduled in the customary method for such construction and in accordance with any permit conditions.

Customer Concern Ratios: Project Outreach's goal for customer concerns is to completely resolve all complaints within ten (10) business days of receiving a complaint. A formal customer concern shall be defined as a documented concern to JEA Project Outreach. The concern may be of a real or perceived problem that the customer has against the Company.

The JEA Project Manager or designee will notify the Company on a monthly basis of how many concerns were received by JEA's Project Outreach and the number of concerns yet to be resolved. JEA will immediately notify the Company when a concern has been opened and has not been a response to it within five business days. The Company shall contact Project Outreach and provide a written correction plan within five (5) calendar days of receipt of the notice. If at any time the Company allows unresolved concerns to exceed the five (5) business days without prior notification to Project Outreach and the customer concern ratio reaches 3.0 percent, the Company shall be required to appear in front of the Company Performance Review Board to explain the circumstances leading to the unresolved concern. The Company Performance Review Board will notify the Chief Procurement Officer of the board's decision and any recommended actions, which may include, but are not limited to, additional remedial action, termination of the Contract and/or suspension from JEA's Responsible Bidder's List in all categories for a period not to exceed one (1) year.

If the Company fails to adhere to the customer service requirements stated herein, the Company's performance shall result in a required hearing before the Company Performance Review Board. The Company Performance Review Board will consist of three (3) JEA directors. The hearing will evaluate the Company's remedial action plan and determine whether such plan will be effective. The Company Performance Review Board will present its recommendation to the Chief Procurement Officer and recommended actions that may include additional remedial actions, termination of the Contract and/or suspension from JEA's Responsible Bidder's List in all categories for a period not to exceed one (1) year.

2.13.39. VIDEO/DIGITAL RECORDS

Prior to any alterations to the Work Location, the Company shall video record the entire Work Location. The Company shall provide original video recording to the Contract Administrator no later than fifteen (15) days after the date of the Notice to Proceed.

When required by the technical specifications, the Company shall provide a monthly video record (on DVD) of construction progress to the JEA Project Manager. If construction is being conducted in different localities, then video shall be taken at each Work Location. The JEA Project Manager reserves the right to select the views to be video recorded. DVD(s) shall be labeled with record of date taken, JEA's assigned project tracking number, and a brief description of times and activity covered in the video.

The Company shall take the progress video(s) between the 20th and 25th day of each month and submit the video(s) to the JEA Project Manager before the end of the 27th day of each month. If Company fails to submit the video(s) to the JEA Project Manager before the 28th day of each month, JEA reserves the right to have the video tape(s) taken by an independent Recording Company at the Company's expense.

In addition, the Company shall provide unedited video(s) with superimposed timer and vocal commentary of the preconstruction and post construction conditions. Video(s) shall be DVD format and include both sides of the right-of-way and record close attention to paved and unpaved driveways and walkways; conditions of lawns, shrubs, flowers, flower beds, and trees; conditions of pavement, fences, signs, planters and any other item within the area of the Work or adjacent right-of-way. The video(s) shall become a part of the Contract Administrator's and JEA Project Manager's permanent job records. The video(s) shall be indexed using the timer for locations by stationing and by street intersections.

The video(s) shall include each waterway crossing. An upstream and downstream view of each bank at the point of crossing shall be taken recording the inertial zone and/or mean high water level. Also, a view of the line route shall be taken from each bank of the crossing and elsewhere as the JEA Project Manager may direct. Construction shall

not begin until video recordings are approved by the JEA Project Manager. The video(s) shall depict wet conditions of the Work Location and surrounding areas whenever possible.

2.13.40. WEATHER PROTECTION

The Company shall provide proper facilities, take all necessary precautions and assume the entire cost for protecting the Work against weather conditions and for handling all storms, flood and ground water, sewage, or other seepage, that may be encountered during the performance of the Contract. The Company shall provide for such contingencies and for carrying on the Work in freezing weather by methods that meet with the approval of the JEA Engineer. If the Company fails to provide such protection, or in the event of an emergency, JEA may provide such protection at the Company's expense.

2.14. STANDARD REQUIREMENTS FOR CONSTRUCTION

2.14.1. PROTECTION OF THE ENVIRONMENT

The Company and its Subcontractors shall comply with all applicable laws, rules and regulations including, but not limited to, all Environmental Regulations.

A. Asbestos, Lead, or Toxic Mold Notification:

Asbestos, Lead, or Toxic Mold may be present at the Work Location. The Company shall notify the Contract Administrator immediately upon discovery of asbestos, lead, toxic mold. The Company shall not disturb or remove known or discovered asbestos, lead, or toxic mold unless directed by the JEA Representative.

B. Hazardous Materials:

The Company shall bear full responsibility including, but not limited to, payment and liability for the transportation, use, recycling, and disposal of any Hazardous Materials under the Company's control during the performance of the Work. Disposal or recycling of Hazardous Materials shall only be performed at JEA approved facilities. The Company shall provide JEA with appropriate documentation showing proper disposal or recycling of its Hazardous Materials.

The Company shall notify the Contract Administrator in writing of the type, quantity and disposal or recycling method of any hazardous material used during the performance of the Work. The Company shall be solely responsible for the use and disposal or recycling of any such materials. The Company shall submit cleanup procedures to the JEA Representative for review and written approval prior to the use of the hazardous material. In the event that a hazardous material escapes into the environment, the Company shall immediately notify the Contract Administrator in writing of the occurrence and the actions taken. In the event that the Company encounters hazardous materials in the course of construction, the Company shall immediately notify the Contract Administrator verbally, with a written notification to follow. The Contract Administrator shall arrange for disposal by JEA.

JEA has identified and labeled equipment known to contain PCBs. JEA will remove and transport any equipment so identified. The Company shall not remove or transport any equipment containing PCBs. The Company shall immediately notify the JEA Representative of any questionable or unmarked equipment, and the JEA Representative will arrange for testing and identification.

C. Waste Management:

The Company will be solely responsible for the proper management of all waste material, including but not limited to, paints, lubricants, fuels, solvents, drilling mud and materials, construction and demolition debris, used oil and oily waste, land clearing debris, universal waste (mercury containing lamps and devices, batteries, etc.) and other chemicals and hazardous materials used in connection with or generated during the Work, except as specified above. The Company will provide proper containers for waste materials and comply with all applicable laws, rules and regulations in their disposal or recycling. The Company will dispose of or recycle all empty containers off-site as soon as possible.

D. Wetlands:

The Company understands and agrees that the Work Location may include wetlands or other environmentally sensitive areas. The Company shall not enter these areas during the performance of its Work, unless specifically authorized by the Contract Administrator and appropriate state and federal permits have been obtained.

E. Wildlife:

The Company and/or Subcontractor's employees shall not endanger wildlife species or domestic animals of any kind.

F. Violation of Environmental Laws and Permits:

The Company shall immediately cease any activity that causes or results in a violation of JEA's or Company's environmental permits or federal, state and local laws and regulations. Such violation shall immediately be reported to the Contract Administrator verbally, with written notification to follow. All additional costs due to the Company's noncompliance with the applicable environmental permits or Environmental Regulations shall be paid by the Company.

2.14.2. NPDES PERMIT CONFORMANCE

The Company shall obtain all other applicable local, state, and federal permits. It is unlawful to have any discharges that are not composed entirely of stormwater (except discharges pursuant to a NPDES permit) to the municipal separate stormwater system (MS4). Only non-contaminated water/non-turbid water shall be transported through the MS4. Groundwater discharge (approved by JEA) from dewatering activities may be routed into the stormwater system providing that erosion, and transportation of suspended solids to the system is prevented. If contaminated soil or contaminated groundwater is encountered, the dewatering activity shall cease immediately, and the Company shall contact the Florida Department of Environmental Protection and notify the appropriate department of the incident immediately.

2.14.3. NPDES PERMIT CONFORMANCE - DEWATERING

If Company encounters groundwater, the Company shall be responsible for obtaining; a *Generic Permit for Discharge of Produced Ground Water From any Non-Contaminated Site Activity* from the Florida Department of Environmental Protection (FDEP), and a *Noticed General Permit for Short-term Construction Dewatering* from the St. Johns River Water Management District (SJRWMD) before any dewatering activities can begin.

Company shall also be responsible for developing and utilizing a dewatering system(s) to remove water from the excavations. Prior to beginning any dewatering, the Company shall submit a dewatering plan to JEA for review. The Company shall comply with all sampling requirements listed in FDEP regulation (62-621.300(2) F.A.C.) before any dewatering can begin. The Company shall submit to JEA the sampling analysis results. In the event the sample analysis fails to meet FDEP water quality standards as established in applicable rule, the Company shall not proceed with further permitting or dewatering activities, shall notify JEA of any failure to meet applicable standards, requirements, or rules, and shall await instruction from JEA.

The dewatering plan developed by the Company shall further consider the dewatering volume as estimated using traditional and customary methods. The dewatering plan shall comply with the requirements of 40C-2 and 40C-22, F.A.C., and additional requirements as may be mandated or amended by SJRWMD. In the event the dewatering plan does not comply with those requirements applicable to the *Noticed General Permit for Short-term Construction Dewatering* the Company shall not proceed with further permitting or dewatering activities, shall notify JEA of any failure to meet applicable standards, requirements, or rules, and shall await instruction from JEA.

If the above requirements are not followed, the Company shall be held liable for any fines and/or violations incurred by JEA.

2.14.4. NPDES PERMIT CONFORMANCE - STORMWATER POLLUTION PREVENTION

The Company shall obtain as necessary a *Generic Permit for Stormwater Discharge from Large and Small Construction Activities (CGP)*, and shall develop a Stormwater Pollution Prevention Plan (SWPPP) compliant with local, state, and federal rules, laws, and ordinances. Company shall be responsible for implementing the SWPPP, installing and maintaining in a functional manner structural and nonstructural best management practices as described therein, evaluating the effectiveness of the best management practices, and employing additional performance based best management practices as may be deemed necessary by JEA. The Company, at its own expense, shall revise, or include as addendum to the SWPPP measures as maybe required by a local, state, or federal authority to remain compliant with local, state, and federal rules, laws, and ordinances.

No additional payments shall be made to Company for revisions or addendums to the SWPPP, or for the actual implementation of those revisions on the Work site, including those made so as to achieve functional performance based best management practices.

The Company shall obtain all other applicable local, state, and federal permits subsequent to notification of JEA of the need for such authorization(s). It is unlawful to have any discharges that are not composed entirely of stormwater (except discharges pursuant to a NPDES permit) to the Municipal Separate Stormwater System (MS4). Only non-contaminated water/non-turbid water shall be transported through the MS4. Groundwater discharge (approved by the FDEP pursuant to 62-621.300(2)) from dewatering activities may be routed into the stormwater system, drainage ditch, creek, river or wetland providing that erosion, and transportation of suspended solids to the system is prevented. If contaminated soil or contaminated groundwater is encountered, the dewatering activity shall cease immediately, and the Company shall contact JEA's Environmental Coordinator, Andrew Sears at (904) 665-7719.

All contractors conducting land disturbing activities shall have at least one corporate representative that is certified for the Florida Department of Environmental Protection Erosion and Sediment Control Inspector Training Manual.

For projects with greater than one acre of disturbed land, a person certified pursuant to the Florida Department of Environmental Protection's Erosion and Sediment Control Inspector Training Manual or trained by a certified person shall make the routine inspections shall be maintained and kept on the construction site and made available for inspection during land-disturbing activities. Such inspection shall be made no led that daily and a log of such inspections shall be maintained and kept on the construction site and made available for inspection by City and JEA inspectors throughout the duration of land-disturbing activities. If the inspector is trained by a certified person but not certified themselves, accurate training records must be kept and evidence of annual refresher trainer shall be maintained.

Any required erosion and sediment control plans submitted to the City of Jacksonville must conform to the requirements in the FDEP's Florida Department of Environmental Protection's Erosion and Sediment Control Inspector Training Manual or the provisions contained in the Land Development Procedures Manual, whichever

Upon approval to proceed to do so by the Owner, the Company shall complete a *Notice of Termination (NOT)* (DEP Doc. No. 62-621.300(6), F.A.C.), to terminate the CGP coverage within one (1) week of final site stabilization.

If the above requirements are not followed, the Company shall be held liable for any fines and/or violations incurred by JEA.

2.14.5. PREVENTION, CONTROL AND ABATEMENT OF EROSION AND SILTATION

The Company shall take steps and make suitable provisions to minimize siltation and erosion of waterways that may result from its operation during the course of construction.

The Company shall make suitable arrangements, which may require the temporary construction of flumes, boxes, or some other device(s), at the Work Location for the drainage and disposal of water. The Company shall be responsible for protecting adjacent property to the Work Location from damage by water resulting from its operations. The Work Location shall be returned to its original condition to the satisfaction of JEA.

The Company is cautioned that execution or maintenance that creates turbidity and that directly or indirectly affects the water quality of any waterway into which storm water is discharged in such a manner as to exceed the limitations prescribed in the Florida Administrative Code is a violation of the water quality standards of the State of Florida.

Turbidity shall not exceed 29 NTU's, above background level within 100' of the construction activity. Costs incurred by the Company for compliance to the restrictions outlined above shall be included in the cost of the items for which the turbidity control is required, unless a separate line item is included in the Bid Document for turbidity control. Silt barriers shall be used at all waterway crossings or at any time during construction that siltation or erosion may occur. The Company shall submit to the JEA Engineer, for written approval prior to construction, the method to be used to control the turbidity. The JEA Engineer's approval of the method to be used in no way relieves the Company of the liability in case of a citation against JEA.

2.14.6. SILT FENCE ASSEMBLY

The Company shall furnish and install silt fence assembly (including fabric, stakes, etc.) in accordance with the details shown on the Erosion Control Drawings and as required by the Storm Water Pollution Prevention Plan (SWPPP). Company will be responsible for all costs associated with silt fence assembly. There will not be a separate line item for silt fence assembly on the Bid Form.

2.14.7. CONSTRUCTION PARKING

No Company employee vehicular parking will be allowed within the construction footprint. All parking will be offsite. Company shall be responsible for ferrying its employees to and from the Work Location. This will reduce the number of complaints associated with number of vehicles clogging roadways and ruts associated with off-street parking, as well as provide additional ingress/egress corridor for required construction vehicles.

2.14.8. DRAINAGE ALONG RIGHTS-OF-WAY

The Company shall so conduct its operations and maintain the Work in such condition that adequate drainage shall be in effect at all times. The Company shall not obstruct existing gutters, ditches and other runoff facilities.

2.14.9. FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) CERTIFICATION OF COMPLETION

Following satisfactory bacteriological clearance, installation and testing of the piping systems or mains installed under the Contract, the Company shall submit to the Contract Administrator Company-certified, as-built drawings of sufficient detail and accuracy to allow application to FDEP in accordance with the provisions set herein for Certification of Completion. This Certification of Completion must be obtained prior to making final tie-ins and/or service transfers or connections. The Company shall schedule its Work to allow sufficient time for processing the Certificate of Completion. The submittal of as-built drawings in order to obtain the FDEP Certificate of Completion does not relieve the Company of the requirement to submit final as-built drawings as specified in the Contract Documents.

2.14.10. HAND DIGGING AROUND TREES, TREE TRIMMING, ARBORIST SERVICES AND TREE REMOVAL

No separate measurement and payment shall be made for hand digging around trees, tree trimming, and provision of arborist services, but all cost shall be included in the associated item of work in the bid form. Hand digging, tree trimming, and arborist services shall include but not be limited to all labor, equipment and supervision required to successfully hand dig or trim tree branches where tree roots or branches may be destroyed or injured due to the Work. Item shall include services of a certified arborist as required by the City landscape architect to ensure minimal or no damage to tree canopy or root system. If the tree canopy or root system is damaged, the Company, at its own expense, shall repair, restore, or replace the tree at the direction of the arborist. The Company shall review the drawings and visit the Work area prior to the bid to satisfy itself as to the amount of tree removal and disposal to be performed to complete the Work, and the extent of tree trimming required to perform the work. All tree mitigation costs shall be borne by the City of Jacksonville. Trees identified on the drawings for removal shall not be paid for separately, but all associated cost for removal and disposal and subsequent compacted soil backfill replacement shall be included in the associated item of the work.

2.14.11. APPLICABLE WATER AND WASTEWATER STANDARDS, DETAILS AND MATERIALS

All Work shall be done in accordance with the latest version JEA Water and Wastewater Standards, Details and Materials. The JEA Water and Wastewater Standards, Details and Materials manual may be obtained from jea.com.

2.14.12. INTERRUPTION OF SERVICE

The Company shall not operate any valves, nor otherwise interrupt water and/or sewer service, without first obtaining permission from the JEA Engineer. The JEA Representative shall be present during any interruption of service.

If the Company must shut down a main or portion of a main, thereby causing an interruption of water service, the Company shall provide the JEA Engineer with the following information, in writing, a minimum of four (4) days in advance of any anticipated interruption of service:

- o Date and time of outage.
- o Purpose of the outage.
- o Map of the area to be affected by the outage.
- o Letter stating all offices, businesses, and residents have been or will be notified by Company at least four days in advance of the outage (unless JEA chooses to issue such notification).

The Company is not authorized to proceed with requested Work without prior written notice from JEA Engineer that such actions are approved.

In the event of a major emergency that endangers life or property, the Company may take immediate action before notifying JEA. In all cases, however, JEA shall be notified in writing at the earliest opportunity after addressing the emergency.

2.14.13. MAILBOXES

The Company shall carefully remove and relocate mailboxes affected by construction operations to allow for uninterrupted mail service. All temporarily relocated mailboxes shall be reinstalled permanently as soon as construction operations allow. The condition of the reinstalled mailboxes shall be at least equal to the original facility, as directed by JEA. Company shall be responsible for removal, relocation or reinstallation of mailboxes. There will not be a separate line item for Mailbox removal, relocation or reinstallation on the Bid Form.

2.14.14. METERS

The Company shall pay all fees and charges required for connections to utilities, concurrency management, parking meter rental/removal and any other assessments imposed on the Work or initial occupancy of the Contract, except those specifically listed herein as provided by JEA.

2.14.15. SEWAGE SPILLS

The Company shall minimize the amount of sewage released into excavations by notifying affected parties of the service interruption, pre-draining affected lines, insuring pump station (non-)operating status, etc. The Company shall notify JEA immediately verbally, with written notification to follow.

The Company shall take precautions to prevent sewage from contacting the ground. If sewage contacts the ground, the Company shall take appropriate measures to disinfect the area of the sewage release. If pooling sewage is observed, the Company shall vacuum remove the sewage, or remove the sewage by other means acceptable to the JEA Representative, and dispose of the sewage in accordance with environmental and public health regulations. The Company shall clear any sanitary systems found plugged due to this type of pumping activity at its own expense.

2.14.16. SUBSURFACE INVESTIGATION

A geotechnical exploration of existing conditions including soft digs where necessary in the general area of the proposed Work has been performed and a report of the findings and recommendations are attached

2.14.17. SURVEYING

Unless specifically stated in the Contract Documents as being provided by JEA, the Company shall be responsible for all surveying necessary to commence and perform this Work. The Company shall employ a land surveyor registered in the State of Florida to reference and restore all property corners and/or monuments that may have been disturbed and to ensure accurate horizontal and vertical control during the construction of this project and for staking locations for new structures. Height and spacing of stakes to be as specified elsewhere herein or as directed by JEA Engineer.

All Work shall be done to the lines, grades and elevations shown on the drawings. Any Work improperly located may be ordered removed and replaced at the Company's expense. The Company shall be responsible for making its own determination of water table variations and shall not assume that any water levels shown by the aforesaid boring data will necessarily be maintained at the level indicated. The Company shall investigate the conditions above or below the surface of the ground as it may deem necessary for the proper and timely performance of its Work including, but not limited to, the making of borings.

2.14.18. TEMPORARY ROADWAYS

If the Company's operations render any street or private way unsafe, the Company shall make such repairs or provide such temporary ways and guards necessary for the protection and safety of JEA's and the Company's employees and subcontractors, and the public, and for the orderly maintenance of traffic.

The Company shall always provide and maintain a hard-surfaced roadway for traffic. Where temporary detours of lanes are required, they shall be asphalt-paved by the Company. The Company may construct paving section(s) appropriate to support traffic, provided the surface is smooth and the profile reasonable, and as a minimum, consists of 1 inch of bituminous structural course over a six inch (6") limerock base that was inspected and approved by the JEA Engineer. Should any temporary pavement fail, the Company shall be responsible for repairing it, at its own cost, before close of Work on the day notification is given. Should the Company be unable to make such repair by close of Work, the Company shall notify the Contract Administrator and provide an estimated time when repairs can be made. No repair timeframes shall exceed 48 hours. Any damages, direct or indirect, resulting from such temporary pavement failures shall be the sole liability of the Company.

All limerock base material used for temporary pavement and constructed in proposed grassed areas shall be completely removed and disposed of by the Company prior to final restorative grassing operations. The area shall be backfilled with material stockpiled on the Work Location that is conducive to growth of the plant material. All costs associated with this work shall be included in the cost for the associated item of work.

2.14.19. BYPASS PUMPING

The Company shall provide all necessary labor, materials and equipment to maintain the uninterrupted sewer service of laterals, mains, trunks, force mains and pump stations at all times. The manner in which this is accomplished shall be left to the discretion of the Company, subject to the requirements of the Contract and the prior approval of the JEA Engineer. The JEA Engineer's approval in no way relieves the Company of any liabilities resulting from the bypass method chosen.

The Company shall not allow any sewage, at any time, to be pumped into any drainage structure or to spill, puddle, or run upon any street, construction trench, public or private property.

The responsibility for coordinating the need, length of time, method, and suction and discharge locations for bypass pumping shall be the responsibility of the Company subject to approval by the JEA Engineer.

2.14.20. TRAFFIC SIGNAGE

Costs incurred by the Company to provide new signage and pavement markers, or remove and replace existing signage as necessary to accomplish the work shall not be paid for separately but shall be merged with the cost of the associated item of work. Damaged signage shall be replaced with new signage. All signage and pavement markers in accordance with the drawings and City Traffic Engineer's requirements.

2.14.21. TREE PROTECTION

The Company shall protect all trees, in accordance with applicable city and county laws, from damage by vehicles, equipment and machinery, except those trees designated for removal on the construction drawings and for which the Company shall be responsible for obtaining all required approvals and permits. Removal of any tree not so designated nor permitted, shall be only upon specific approval by the JEA Engineer.

Excavated dirt shall not be piled around the base of any tree not designated for removal. The Company shall not bury or burn any refuse around or near the trees. The Company shall proceed with caution when excavating in the vicinity of root structure of any tree. Excavation shall be by hand if necessary.

Roots up to two inch (2") in diameter when severed do not require any pruning paint. Roots from two inch (2") to four inch (4") in diameter must be severed with a pruning saw and painted. Roots over four inch (4") shall not be severed except as directed by the JEA Engineer.

An ax or similar tool is not acceptable for pruning. The wood shall be treated with asphalt-type pruning paint as soon as possible after pruning.

Prior to any site disturbance, barriers shall be put up around each tree to be protected. These barriers shall be constructed of 2 x 4's or any other practical materials that will discourage disturbance near the tree. To conform to applicable city and county laws and codes, these barriers should be at least six foot (6') away from the trunk of the tree and protect an area that is at least fifty percent (50%) of the unpaved area covered by the crown spread of the tree. When conditions permit, barriers are to be placed in such a manner as to provide the largest undisturbed area possible.

Cutting tree roots shall be kept to a minimum and only allowed when absolutely necessary. In such instances the Company shall ensure that all cuts are made clean with a saw, free of all loose soil, and sealed with pruning paint or shellac. At no time shall roots be pulled, ripped or cut with a blade, backhoe or other mechanical device. Additional fill under the crown spread of trees shall be kept to a minimum. If additional fill is unavoidable, all fill material shall consist of clean, coarse sand or gravel, free of silt and clay to allow for free movement of air and water. Lowering the grade under the crown spread of trees will not be permitted.

Should branches require pruning to provide for roadway or other necessary clearance, they shall be cut back to a main stem or crotch of the tree. All cuts shall be made at the bench collar to allow the natural healing process of the tree to occur. To further promote the natural healing process, no pruning paint or other material shall be applied to pruning cuts.

If a tree is wounded during construction, all bark surrounding the wound shall be cut away and carefully removed. Care shall be taken to leave as much cambium as possible.

Any tree whose root system has been disturbed or damaged must be properly fertilized to aid in its recovery. The hole or punch-bar method shall be used for applying fertilizer. The holes should be approximately twelve inches (12") to eighteen inches (18") deep, one inch (1") to two inch (2") in diameter, two foot (2') apart, and extend two foot (2') past the drip line of the tree. The Company shall not apply fertilizer within 1 foot of the trunk of a small tree (up to six inches [6"] in diameter) or within three foot (3') of the trunk of a large tree (over six inches [6"] in diameter). Injury to the root collar and trunk base may result. The type of fertilizer to be used shall be twenty-five percent (25%) organic 8-8-8 with minor elements included. Chemical analysis as follows: Total Nitrogen, not less than 8.00%, available Phosphoric Acid, not less than 8.00%, water soluble potash, not less than 8.00%. Fertilizer shall be applied at the following rates and shall be evenly distributed among the holes:

- Hardwoods up to 6" Dia. 2 lb. per inch of Dia.
- Hardwoods over 6" Dia. 4 lb. per inch of Dia.
- Evergreens up to 6" Dia. 1 lb. per inch of Dia.
- Evergreens over 6" Dia. 2 lb. per inch of Dia.

2.15. VENDOR PERFORMANCE EVALUATION

2.15.1. VENDOR PERFORMANCE EVALUATION

Use of Vendor Performance Evaluation Scorecards

JEA may evaluate the Company's performance using the evaluation criteria shown on the vendor scorecard available online at JEA.com.

Scores for all metrics shown on the evaluation range from a low of 1, meaning significantly deficient performance, to a high of 5, meaning exceptionally good performance. The Company's performance shall be classified as Top Performance, Acceptable Performance, or Unacceptable Performance, as defined herein. The evaluator will be a designated JEA employee. The evaluator's supervisor and the Chief Purchasing Officer will review deficient performance letters and Unacceptable Performance scorecards, as described below, prior to issuance. When evaluating the Company's performance, JEA will consider the performance of the Company's Subcontractors and suppliers, as part of the Company's performance.

Frequency of Evaluations

JEA may conduct performance evaluations and prepare scorecards in accordance with the procedures described herein at any time during performance of the Work or soon after the completion of the Work. JEA may conduct one or more evaluations determined solely at the discretion of JEA.

Unacceptable Performance

- If at any time, JEA determines, using the criteria described on the scorecard, that the performance of the Company is Unacceptable, the Contract Administrator and Chief Procurement Officer or his designated alternate will notify the Company of such in a letter. The Company shall have ten (10) days to respond to the Contract Administrator. Such response shall include, and preferably be delivered in-person by an officer of the Company, the specific actions that the Company will take to bring the Company's performance up to at least Acceptable Performance.
- Within thirty (30) days from date of the first Unacceptable Performance letter, the Contract Administrator and Chief Purchasing Officer or his designated alternate will notify the Company by letter as to whether its performance, as determined solely by JEA, is meeting expectations, or is continuing to be Unacceptable. If the Company's performance is described in the letter as meeting expectations, no further remedial action is required by the Company, as long as Company's performance continues to be Acceptable.
- If the Company's performance as described in the letter continues to be Unacceptable, or is inconsistently Acceptable, then the Company shall have fifteen (15) days from date of second letter to demonstrate solely through its performance of the Work, that it has achieved Acceptable Performance. At the end of the fifteen (15) day period, JEA will prepare a scorecard documenting the Company's performance from the start of Work, or date of most recent scorecard, whichever is latest, and giving due consideration to improvements the Company has made in its performance, or has failed to make. If the scorecard shows Company's performance is Acceptable, then no further remedial action is required by Company as long as Company's performance remains Acceptable. If the scorecard shows the Company's performance is Unacceptable, JEA will take such actions as it deems appropriate including, but not limited to, terminating the Contract for breach, suspending the Company from bidding on any JEA related solicitations, and other remedies available in the JEA Purchasing Code and in law. Such action does not relieve the Company of its obligations under the Contract, nor does it preclude an earlier termination.
- In the event that the Contract Term or the remaining Term of the Contract does not allow for the completion of the deficient performance notification cycles described above for those in danger of receiving an Unacceptable Performance scorecard, JEA may choose to accelerate these cycles at its sole discretion.
- If the Company receives five (5) or more letters of deficiency within any twelve (12) month period, then JEA will prepare a scorecard describing the deficiencies and the Company's performance will be scored as Unacceptable.

Acceptable Performance

JEA expects the Company's performance to be at a minimum Acceptable.

Disputes

In the event that the Company wants to dispute the results of its scorecard performance evaluation, the Company must submit a letter to the Chief Procurement Officer supplying supplemental information that it believes JEA failed to take into account when preparing the scorecard. Such letter, along with supplemental information, must be submitted no later than 10 days following the Company's receipt of the scorecard. If the Chief Procurement Officer decides to change the scorecard, the Company will be notified and a revised scorecard will be prepared, with a copy issued to the Company. If the Chief Procurement Officer decides that no change is warranted, the decision of the Chief Procurement Officer is final. If the Company is to be suspended from consideration for future Award of any contracts, the Company may appeal to the Procurement Appeals Board as per JEA Procurement Code.

Public Records

There can be no expectation of confidentiality of performance-related data in that all performance-related data is subject to disclosure pursuant to Florida Public Records Laws. All scorecards are the property of JEA.

2.16. JEA RESPONSIBILITIES

2.16.1. ACCESS TO THE WORK LOCATIONS

JEA will provide, as indicated in the Contract Documents and no later than the date when needed by the Company, access to the Work Location, including rights-of-way or access thereto, and such other lands that are designated for the Company's use. JEA will secure easements for permanent structures or permanent changes in existing facilities, unless otherwise specified in the Contract Documents.

2.16.2. PERMITS TO BE OBTAINED BY JEA

JEA will obtain the following permits, approvals and licenses: FDEP Permit

2.16.3. AMENDMENTS

This Contract may not be altered or amended except in writing, signed by JEA Chief Procurement Officer, or designee, and the Company Representative, or each of their duly authorized representatives.

2.16.4. FORCE MAJEURE

No party shall be liable for any default or delay in the performance of its obligations under this Contract due to an act of God or other event to the extent that: (a) the non-performing party is without fault in causing such default or delay; (b) such default or delay could not have been prevented by reasonable precautions; and (c) such default or delay could not have been reasonably circumvented by the non-performing party through the use of alternate sources, work-around plans or other means. Such causes include, but are not limited to: act of civil or military authority (including but not limited to courts or administrative agencies); acts of God; war; terrorist attacks; riot; insurrection; inability of JEA to secure approval, validation or sale of bonds; inability of JEA or the Company to obtain any required permits, licenses or zoning; blockades; embargoes; sabotage; epidemics; fires; hurricanes, tornados, floods; or strikes.

In the event of any delay resulting from such causes, the time for performance of each of the parties hereunder (including the payment of monies if such event actually prevents payment) shall be extended for a period of time reasonably necessary to overcome the effect of such delay, except as provided for elsewhere in the Contract Documents.

In the event of any delay or nonperformance resulting from such causes, the party affected shall promptly notify the other in writing of the nature, cause, date of commencement and the anticipated impact of such delay or nonperformance. Such written notice, including Change Orders, shall indicate the extent, if any, to which it is anticipated that any delivery or completion dates will be thereby affected within seven (7) calendar days.

2.16.5. CHANGES IN THE WORK

Changes in the Work, including changes to scope, quantities, price, schedule or completion date, may be authorized through Supplemental Work Authorizations or through a Change Order.

2.16.6. CHANGES TO WORK SCHEDULE OR TIME

The Work schedule and/or contract time may be changed by a Change Order, Purchase Order or SWA. The Company's request or claim for a Work schedule and/or contract time adjustment shall be in writing delivered to the Contract Administrator within ten (10) working days following the discovery of the event that prompted the claim or the date when the event should have been discovered. Where accepted by JEA, changes to Work schedule will only adjust for critical path impacts. Failure to include the necessary critical path analysis with the request shall be grounds for rejecting the claim. The critical path as used in this Section means the series of interdependent Work events that must be sequentially performed and that require a longer total time to perform than any other such series. Upon receipt of the Company's request for a change in the Work schedule, the Contract Administrator will provide any additional directions in writing detailing the procedures that will be used to resolve the request, including provision of time impact or manpower and equipment loading schedules. Where JEA and the Company are unable to reach a mutually acceptable resolution of request, JEA will make a commercially reasonable determination, made in accordance with JEA's Procurement Code, which shall be final.

2.16.7. EFFECTIVENESS OF CHANGE ORDER

Any change in the Contract resulting from the RFI will be incorporated into the Contract through the use of a Change Order, Supplemental Work Authorization or Purchase Order. Whether requested by the Company, claimed by the Company, or contemplated by JEA, no change shall be authorized and effective unless made through an approved Supplemental Work Authorization (SWA) or on a JEA Change Order signed by the Contract Administrator or through a formal written amendment to this Contract. All Work defined on Change Orders shall be subject to the conditions of the Contract, unless specifically noted on the Change Order.

2.16.8. INITIATION OF A CHANGE BY COMPANY

To request any change in the Work including, but not limited to, changes in scope, quantities, price, or schedule, the Company shall submit a written request in the form of a Request for Information ("RFI") to the JEA Representative within ten (10) working days of the date that the event that prompted the change was discovered or should have been discovered. The RFI shall contain sufficient information regarding the nature of the requested change, including an itemized estimate of cost, either positive or negative, in relation to the change, and any effect on contract time which is related to the changed condition, and work descriptions and other information necessary to evaluate the merits of the change. The JEA Representative may reject RFI's which do not provide sufficient supporting information. Upon receipt of the Company's RFI, the JEA Representative will provide written direction as to the procedures that will be used to address the request. JEA shall have the right to approve or disapprove any RFI, request or claim for change as it deems necessary and in its best interests consistent with the other Contract requirements. Where JEA and the Company are unable to reach a mutually acceptable resolution for the RFI, JEA will make a commercially reasonable determination, made in accordance with JEA's Procurement Code, which shall be final.

2.16.9. INITIATION OF A CHANGE BY JEA

When it is in JEA's best interest, the JEA Representative may request that the Company provide pricing information to accommodate a requested change in the Work, including a change to the scope of Work, quantity, schedule or completion date. Upon the written request by JEA, the Company shall submit a cost estimate, including all pricing elements requested by JEA. The Company shall not proceed with any changes to the Work until such change is authorized in writing.

2.16.10. NO DAMAGE FOR DELAY

Damage, loss, expense or delay incurred or experienced by the Company in the prosecution of the Work by reason of unforeseen circumstances, unanticipated difficulties and obstructions, bad weather, or other mischances that are generally considered to be a part of the usual hazards associated with Work, shall be borne entirely by the Company and shall not be the subject of any claim for additional compensation or change in Approved Schedule.

The Company agrees that its sole remedy for any claims, damages or losses related to any delay, disruption or hindrance alleged to be caused by JEA or any of JEA's agents or other contractors, shall be an extension of the Contract completion date.

Any demand for equitable time adjustment must be served in writing to JEA within five days of the event giving rise to the delay, disruption or hindrance. Any request for an equitable time adjustment shall be accompanied by a logical time impact analysis, demonstrating the nature and magnitude of the event to the critical path.

Failure to strictly comply with these requirements shall be deemed a waiver of any right to seek equitable time adjustment.

In the event the "no damage for delay" clause is inapplicable, there shall be no recovery for home office overhead and any damages claimed shall be proven by discreet accounting of direct project costs and no theoretical formula or industry estimating reference manuals shall be permissible.

2.16.11. QUANTITIES

Where the total Bid Price was based on estimated quantities, prior to making final payment, JEA will determine actual quantities using sampling, surveying and other industry recognized means and prepare a Change Order adjusting the Contract Price to reflect actual volumes.

The Company shall immediately notify the JEA Contract Administrator in writing of any unauthorized change in the scope of the Work or significant change in the quantities of the Work that may increase the Contract Price, require an extension of Work schedule, or negatively impact permitting or other regulatory requirements.

2.17. MISCELLANEOUS PROVISIONS

2.17.1. AMBIGUOUS CONTRACT PROVISIONS

The parties agree that this Contract has been the subject of meaningful analysis and/or discussions of the specifications, terms and conditions contained in this Contract. Therefore, doubtful or ambiguous provisions, if any, contained in this Contract will not be construed against the party who physically prepared this Contract.

2.17.2. APPLICABLE STATE LAW; VENUE; SEVERABILITY

The rights, obligations and remedies of the parties as specified under the Contract will be interpreted and governed in all respects exclusively by the laws of the State of Florida without giving effect to the principles of conflicts of laws thereof. Should any provision of the Contract be determined by the courts to be illegal or in conflict with any law of the State of Florida, the validity of the remaining provisions will not be impaired. Litigation involving this Contract or any provision thereof shall take place in the State or Federal Courts located exclusively in Jacksonville, Duval County, Florida.

2.17.3. CUMULATIVE REMEDIES

Except as otherwise expressly provided in this Contract, all remedies provided for in this Contract shall be cumulative and in addition to and not in lieu of any other remedies available to either party at law, in equity or otherwise.

2.17.4. ENTIRE AGREEMENT

This Contract constitutes the entire agreement between the parties. No statement, representation, writing, understanding, or agreement made by either party, or any representative of either party, which are not expressed herein shall be binding. All changes to, additions to, modifications of, or amendment to this Contract, or any of the terms, provisions and conditions hereof, shall be binding only when in writing and signed by the authorized officer, agent or representative of each of the parties hereto.

2.17.5. EXPANDED DEFINITIONS

Unless otherwise specified, words importing the singular include the plural and vice versa and words importing gender include all genders. The term "including" means "including without limitation", and the terms "include",

"includes" and "included" have similar meanings. Any reference in this Contract to any other agreement is deemed to include a reference to that other agreement, as amended, supplemented or restated from time to time. Any reference in the Contract to "all applicable laws, rules and regulations" means all federal, state and local laws, rules, regulations, ordinances, statutes, codes and practices.

2.17.6. HEADINGS

Headings appearing herein are inserted for convenience or reference only and shall in no way be construed to be interpretations of text.

2.17.7. INDEPENDENT CONTRACTOR

Company is performing this Contract as an independent contractor and nothing in this Contract will be deemed to constitute a partnership, joint venture, agency, or fiduciary relationship between JEA and Company. Neither Company nor JEA will be or become liable or bound by any representation, act, or omission of the other.

2.17.8. LANGUAGE AND MEASUREMENTS

All communication between the Company and JEA, including all documents, notes on drawings, and submissions required under the Contract, will be in the English language. Unless otherwise specified in the Contract, the US System of Measurements shall be used for quantity measurement. All instrumentation and equipment will be calibrated in US System of Measures.

2.17.9. MEETINGS AND PUBLIC HEARINGS

The Company will, upon request by JEA, attend all meetings and public hearings as required, in any capacity, as directed by JEA.

2.17.10. NEGOTIATED CONTRACT

Except as otherwise expressly provided, all provisions of this Contract shall be binding upon and shall inure to the benefit of the parties, their legal representatives, successors and assigns. The parties agree that they have had meaningful discussion and negotiation of the provisions, terms and conditions contained in this Contract. Therefore, doubtful or ambiguous provisions, if any, contained in the Contract shall not be construed against the party who physically prepared this Contract.

2.17.11. NONEXCLUSIVE

Notwithstanding anything contained herein that may appear to be the contrary, this Contract is "non-exclusive" and JEA reserves the right, in its sole discretion, to retain other companies to perform the Work, and/or JEA may self-perform the Work itself.

2.17.12. NONWAIVER

Failure by either party to insist upon strict performance of any of the provisions of the Contract will not release either party from any of its obligations under the Contract.

2.17.13. REFERENCES

Unless otherwise specified, each reference to a statute, ordinance, law, policy, procedure, process, document, drawing, or other informational material is deemed to be a reference to that item, as amended or supplemented from time to time. All referenced items shall have the enforcement ability as if they are fully incorporated herein.

2.17.14. SEVERABILITY

In the event that any provision of this Contract is found to be unenforceable under applicable law, the parties agree to replace such provision with a substitute provision that most nearly reflects the original intentions of the parties and is enforceable under applicable law, and the remainder of this Contract shall continue in full force and effect. With regard to any provision in this agreement pertaining to damages, equitable or otherwise, it is the intent of the Parties that under no circumstances shall there be recovery for home office overhead. Any damages claimed shall be proven by discreet accounting of direct project costs and no theoretical formula or industry estimating reference manuals shall be permissible.

2.17.15. SUBCONTRACTING OR ASSIGNING OF CONTRACT

Each party agrees that it shall not subcontract, assign, delegate, or otherwise dispose of the Contract, the duties to be performed under the Contract, or the monies to become due under the Contract without the other party's prior written consent.

The assignment of the Contract will not relieve either of the parties of any of its obligations until such obligations have been assumed in writing by the assignee. If the Contract is assigned by either of the parties, it will be binding upon and will inure to the benefit of the permitted assignee. The Company shall be liable for all acts and omissions of its assignee or its Subcontractor.

In the event the Company obtains JEA approval to use Subcontractors, the Company is obligated to provide Subcontractors possessing the skills, certifications, registrations, licenses, training, tools, demeanor, motivation and attitude to successfully perform the work for which they are subcontracted. The Company is obligated to remove Subcontractors from performing Work under this Contract when the Company recognizes that a Subcontractor is failing to work in a manner consistent with the requirements of this Contract, or when JEA notifies the Company that JEA has determined a Subcontractor is failing to work in a manner consistent with the requirements of this Contract.

2.17.16. SURVIVAL

The obligations of JEA and the Company under this Contract that are not, by the express terms of this Contract, to be performed fully during the Term, shall survive the termination of this Contract.

2.17.17. TIME AND DATE

Unless otherwise specified, references to time of day or date mean the local time or date in Jacksonville, FL. If under this Contract any payment or calculation is to be made, or any other action is to be taken, on or as of a day that is not a regular business day for JEA, that payment or calculation is to be made, and that other action is to be taken, as applicable, on or as of the next day that is a regular business day. Where reference is made to day or days, it means calendar days. Where reference is made to workday, workdays, business day, or business days, it means regular working days for JEA Procurement.

2.17.18. TIME OF ESSENCE

For every material requirement of this Contract, time is of the essence.

2.17.19. TITLE TO MATERIALS FOUND

JEA shall retain the title to water, mineral matter, timber and any other materials that the Company, or its Subcontractors, encounters during the excavation or other operations of the Work. The Company shall use or dispose of this material in accordance with the Contract or written instructions from the Contract Administrator. Any materials found in the excavation, or other operations of the Company, that are of archaeological or historical value shall be left in place. The Company shall immediately notify JEA of the find and shall take no further action until directed by JEA.

2.17.20. USE OF JEA CONTRACTS BY THE CITY OF JACKSONVILLE

Where the City of Jacksonville's or its other independent agencies' or political subdivisions' procurement codes all use of JEA contracts, the Company agrees to extend any pricing and other contractual terms to such entities.

2.17.21. WAIVER OF CLAIMS

A delay or omission by JEA to exercise any right or power under this Contract shall not be construed to be a waiver thereof. A waiver by JEA under this Contract shall not be effective unless it is in writing and signed by the party granting the waiver. A waiver by a party of a right under or breach of, this Contract shall not be construed to operate as a waiver of any other or successive rights under, or breaches of, this Contract.

The Company's obligations to perform and complete the Work in accordance with the Contract shall be absolute. None of the following will constitute a waiver of any of JEA's rights under the Contract: approval of payments,

including final payment; Certificate of Contract Completion; any use of the Work by JEA; nor any correction of faulty or defective work by JEA.

2.17.22. JEA PROJECT SECURITY PROGRAM

The JEA Project Security Program establishes a coordinated security program and assigns specific security responsibilities for which the Company and/or its Subcontractors shall be responsible at while performing services at existing JEA facilities and upon the substantial completion of new facilities. The programs objectives are 1) to direct all project security activities toward a single goal--no breaches, thefts or vandalism, and 2) to ensure effective coordination and communication of all project security activities with JEA Security.

In general, the Company shall provide on-site JEA security personnel at any time a JEA facility's perimeter is unsecured, including but not limited to, alarms disabled, fences or gates down, traffic flows that require gates to be opened repeatedly and/or for more than one hour of the work day. The Company shall schedule security personnel through JEA Security. Where existing lighting is disabled or otherwise impacted by the Work, the Company shall provide temporary lighting equal to or exceeding that which exists.

Further, the Company shall be responsible for complying with all applicable provisions of Chapter 12 "Security Program" of the JEA Contractor Safety Management Process Safety Requirements, a copy of which may be obtained upon request.

3. TECHNICAL SPECIFICATIONS/DETAILED SCOPE OF WORK

3.1. TECHNICAL SPECIFICATIONS/DETAILED SCOPE OF WORK (APPENDIX A)

Technical Specifications and a Detailed Scope of Work are located in Appendix A of this document.

4. FORMS

4.1. FORMS (APPENDIX B)

Forms required to be submitted with this solicitation are provided in Appendix B or can be obtained on the JEA website at www.jea.com.

4.2. ADDITIONAL DOCUMENTS INCLUDED

- Appendix A -Technical Specifications
- Appendix B - Bid Form
- Appendix B - Bid Workbook
- Appendix B – List of Subcontractors Form
- Appendix B – Minimum Qualification Form
- Construction Drawings

Appendix A – Technical Specifications.

137-17 Construction Services for CR 210 Booster Pump Station (BPS) Pipeline Cleaning Facilities and Force Main Cleaning: CR 210 BPS to Blacks Ford WRF

SPECIAL CONDITION ITEM 900 SERIES (Creates a new item outside the scope of JEA Water and Sewer Standards)

901. MEASUREMENT AND PAYMENT - CLEANING OF FORCE MAINS

- 901.1. This section supplements JEA Section 801 for Measurement and Payment. Specifically, this specification addresses additional pay items. In the case of contradictory information, this specification takes precedence over Section 801.
- 901.2. Payment for Item No. 1, Temporary Solids Capture Facility and other facilities not identified elsewhere. All work not otherwise Identified, shall be at the lump sum unit price set forth in the Contract Documents and shall be full compensation for all work not identified elsewhere in this section. This includes all work not identified in unit prices or allowances. This includes all overhead, profit, mobilization, demobilization, labor, equipment, tools, materials and supplies to manage, construct and perform the work specified
- 901.3. Payment for Item No. 2, Intermediate Pigging Station 1A, shall be at the lump sum unit price set forth in the Contract Documents and shall be full compensation for the item of work, complete, including all required excavation, backfill, tapping, restoration; piping, bedding, fittings, and all other materials; and furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.
- 901.4. Payment for Item No. 3, Intermediate Pigging Station 1B, shall be at the lump sum unit price set forth in the Contract Documents and shall be full compensation for the item of work, complete, including all required excavation, backfill, tapping, restoration; piping, bedding, fittings, and all other materials; and furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.
- 901.5. Payment for Item No. 4, Intermediate Pigging Station 3, shall be at the lump sum unit price set forth in the Contract Documents and shall be full compensation for the item of work, complete, including all required excavation, backfill, tapping, restoration; piping, bedding, fittings, and all other materials; and furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.
- 901.6. Payment for Item No. 5, Pigging Station at CR 210 BPS, shall be at the lump sum unit price set forth in the Contract Documents and shall be full compensation for construction of all permanent pigging station, reclaimed water connections, and all relating piping connections, complete, including all required excavation; backfill; restoration; piping; bedding; furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.
- 901.7. Payment for Item No. 6, Pigging Runs Launched from Intermediate Pigging Station 1A, will be for the actual number of completed pig runs launched from Intermediate Pigging Station 1A. Payment for the work will be made at the

Contract Unit Price and shall be full compensation for the item of work, complete, including conducting the pigging run and draining liquid captured at the temporary capture facility; furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.

- 901.8. Payment for Item No. 7, Pigging Runs Launched from Intermediate Pigging Station 1B, will be for the actual number of completed pig runs launched from Intermediate Pigging Station 1B. Payment for the work will be made at the Contract Unit Price and shall be full compensation for the item of work, complete, including conducting the pigging run and draining liquid captured at the temporary capture facility; furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.
- 901.9. Payment for Item No. 8, Pigging Runs Launched from Pigging Station at CR 210 BPS, will be for the actual number of completed pig runs launched from the Pigging Station at CR 210 BPS. Payment for the work will be made at the Contract Unit Price and shall be full compensation for the item of work, complete, including conducting the pigging run and draining liquid captured at the temporary capture facility; furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.
- 901.10. Payment for Item No. 9, Solids Disposal at JEA Facilities, shall be made at the unit price set forth in the Contract Documents per wet ton removed from the temporary capture facility and directed by the OWNER to be disposed of at any site owned by JEA, as measured by weight at the disposal facility. Payment shall be full compensation for transporting and disposal.
- 901.11. Payment for Item No. 10, Solids Disposal at Non-JEA Facilities, shall be made at the unit price set forth in the Contract Documents per wet ton removed from the temporary capture facility and directed by the OWNER to be disposed of at any site not owned JEA, as measured by weight at the disposal facility. Payment shall be full compensation for transporting and disposal, including any fees at the disposal site.
- 901.12. Payment for Item No. 11, Hydrogen Peroxide (H_2O_2), shall be made at the unit price set forth in the Contract Documents per gallon actual added to the system as measured at the storage tanks on weekly basis. Payment shall be full compensation for providing the material, including delivery and on-site storage, operation, and maintenance of the chemical addition facilities, furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.
- 901.13. Payment for Item No. 12, Ferrous Chloride ($FeCl_2$), shall be made at the unit price set forth in the Contract Documents per gallon actual added to the system as measured at the storage tanks on weekly basis. Payment shall be full compensation for providing the material, including delivery and on-site storage, operation, and maintenance of the chemical addition facilities, furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.
- 901.14. Payment for Item No. 13, EvaneScent Odor Counteractant, shall be made at the unit price set forth in the Contract Documents per gallon actual added to

the system as measured at the storage tanks on weekly basis. Payment shall be full compensation for providing the material, including delivery and on-site storage, operation, and maintenance of the chemical addition facilities, furnishing all material, labor, tools and equipment; and all incidental and related work to complete the item.

- 901.15. Payment for Item No. 14, Short Term Project Suspension, will be for cessations in returning flow from the capture facility to the wastewater system, as directed by the OWNER and not related to water quality issues at the capture facility effluent monitoring stations. Payment will be made at the per day unit price set forth in the Contract Documents, prorated based actual hours of delay between direction from OWNER to cease and direction from OWNER to resume and shall be full compensation for all costs accrued by the CONTRACTOR associated with the delay.

No compensation will be made for work stops less than two (2) hours in duration. During project suspension, Contractor is responsible for maintaining site security and odor monitoring and control.

Owner directed short term project suspension do not extend the length of the Contract.

- 901.16. Payment for Item No. 15, Long Term Project Suspension will be for cessations in returning flow from the capture facility to the wastewater system, as directed by the OWNER, where the contractor is directed to demobilize from site. Payment will be made at the per week unit price set forth in the Contract Documents, prorated based actual days of suspension between direction from OWNER to cease and direction from OWNER to resume and shall be full compensation for all costs accrued by the CONTRACTOR associated with the suspension.

During project suspension, Contractor is responsible for maintaining site security and odor monitoring and control.

Owner directed long term project suspension do not extend the length of the Contract.

- 901.17. Cleaning of Force Mains Supplement
All cleaning of force mains shall be in conformance to Supplemental Specification section 33 01 30.47 Cleaning of Force Mains item.

GENERAL INSTRUCTIONS

1. Bidder General Contractor shall provide the resume of the on-site superintendent and shall meet the following requirements:

The prime bidder general contractor's on site superintendent shall have a minimum of fifteen (15) years experience, as of the bid due date, working on piping projects 24-inches in diameter and larger, and experience showing a list of at least three (3) projects tapping HDPE or PVC pipe 24-inches in diameter and larger. Respond in own format.

2. Bidder shall submit to JEA a Schedule of Values prior to the start of the contract.

The Schedule of Values is defined as an itemized list that establishes the value of each part of the Work for a stipulated price and for major lump sum items in a unit price contract. JEA will determine, either by measurement or approximation, the final quantities incorporated into the Work under items for which Unit Prices are established in the Contract Documents. JEA's determination as to the quantity of the Work successfully completed shall be final.

SUPPLEMENTAL SPECIFICATION

SECTION 33 01 30.47

CLEANING OF FORCE MAINS

PART 1 - GENERAL

1.1 DESCRIPTION

A. Scope:

1. CONTRACTOR shall provide all labor, best management practices (BMPs), materials, tools, supplies, equipment and incidentals required to complete the cleaning of wastewater force mains as shown and specified. The work includes the use of qualified SUBCONTRACTORS or Vendors to perform a portion of the Work in accordance with the Contract Documents. The Work shall be executed to meet applicable OSHA, Local, State and Federal Safety Regulations in addition to meeting OWNER safety requirements.
2. The Work includes cleaning of segments of force mains as a batch process and other incidental materials, equipment and work required to perform the cleaning of the force mains, including chemical conditioning and odor control. All of the flow for an individual segment (or subsection) being cleaned will be captured in a Temporary Solids Capture Facility (TSCF). The captured wastewater will be pumped back to the Blacks Ford Water Reclamation Facility (WRF) through the force main once the wastewater meets acceptable wastewater quality criteria.

The Work includes the following activities:

- a. Segment A1: Pigging of approximately 4,500 feet of 36-inch HDPE force main and approximately 100 ft of 36" PVC force main.
- b. Segment A2: Pigging of approximately 5,500 feet of 36-inch HDPE force main and approximately 200 feet of 30" PVC force main.
- c. Segment B: Pigging of approximately 6,600 feet of 24-inch PVC and approximately 400 feet of 30-inch PVC force main.

- e. Chemical conditioning of wastewater: The addition of chemicals to aid the decanting and removal of solids within the TSCF, condition raw and septic wastewater to mitigate odor formation and achieve the required effluent quality for return to the Blacks Ford WRF.
 - f. Solids removal and disposal: The CONTRACTOR shall provide all material, equipment, labor and incidental work including: solids handling equipment, vacuum trucks, tankers, odor control, and transportation for removal and disposal of all solids, grit and debris accumulated in the TSCF. Disposal of solids includes transportation to either an OWNER facility (Buckman WWTF), or to an acceptable disposal site such as a qualified landfill in accordance with Federal, State and Local regulations. CONTRACTOR shall be responsible for securing a primary (non-OWNER) disposal site.
3. The Contract Documents include a conceptual sequence of cleaning operations intended as guidance to indicate the major activities anticipated to complete the cleaning work. CONTRACTOR shall review the information included in the Contract Documents and create the detailed Work Plans included in this Specification to successfully execute cleaning operations and meet all performance requirements of this Specification. CONTRACTOR shall submit all required Work Plans for approval. CONTRACTOR and cleaning SUBCONTRACTOR shall attend operations coordination meetings with OWNER and ENGINEER to review the Work Plans. CONTRACTOR shall not commence any work without written approval from OWNER of all Work Plans.
 4. CONTRACTOR shall continuously monitor all operations for compliance with the performance requirements. OWNER may require CONTRACTOR to suspend all or some portion of the cleaning activities to accommodate operational needs at the Blacks Ford WRF. CONTRACTOR shall retrieve active pigs and suspend all activities as directed after receiving notice from the OWNER or ENGINEER.

B. Existing conditions:

1. Refer to the Contract Drawings for the location of the force mains to be cleaned for this project. Access to the CR 210 Booster Pump Station (BPS) and other gated easements shall be coordinated with the ENGINEER and OWNER.
2. The volume of the CR 2209 Force Main that has been identified for cleaning as part of this project is approximately 705,000 gallons. The CONTRACTOR shall be prepared to remove up to 40% of solids by volume for a total solids volume of approximately 226,000 gallons.
3. CONTRACTOR shall include mitigation of odor formation from raw and/or septic wastewater with the following composition:
 - a. Total Suspended Solids (TSS): 220 mg/L
 - b. Carbonaceous Biochemical Oxygen Demand (CBOD5): 220 mg/L
 - c. Chemical Oxygen Demand (COD): 500mg/L
 - d. pH: 6.0-8.0
 - e. Dissolved Sulfides: 125 mg/L
 - f. Dissolved Oxygen (DO): 0 mg/L
4. The existing flows in the CR 2209 Force Main are as follows:

- a. CR 2209 Force Main
 - i. Segment A:
 - 1. Average Daily Flow: 1,180 gallons per minute (gpm)
 - 2. Peak Hourly Flow: 3,200 gpm
 - ii. Segment B:
 - 1. Average Daily Flow: 694 gpm
 - 2. Peak Hourly Flow: 2,000 gpm

1.2 QUALITY ASSURANCE

A. Qualifications

- 1. CONTRACTOR and/or qualified SUBCONTRACTOR(s) shall have the following minimum verifiable qualifications:
 - a. Be licensed in the State of Florida in one of the following Occupations (General, Underground Utility and Excavation).
 - b. Have performed cleaning operations via mechanical cleaning (pigging) for at least three (3) operational force mains of 24-inch diameter or greater (cleaning associated with new force main construction is not considered similar work) and at least three (3) miles in length within the previous eight (8) years.
 - c. Have performed odor control mitigation for at least three (3) projects in the previous eight (8) years with the use of the proposed chemicals for similar applications of equal or greater wastewater dissolved sulfide concentration.

- B. The CONTRACTOR may utilize one or more SUBCONTRACTORS to accomplish the work. A single specialty SUBCONTRACTOR shall be responsible for directing, coordinating and performing all cleaning operations. A single chemical feed SUBCONTRACTOR shall be responsible for designing, setting up, furnishing and operating the chemical feed systems.

C. The ENGINEER shall observe the cleaning operations. The CONTRACTOR shall cooperate with the ENGINEER in this observation, which shall include, but not be limited to, activities for cleaning, operation of the TSCF, solids disposal, odor control mitigation and monitoring and reviewing the daily field reports.

D. Products used in the Work, as specified under this Specification, shall be produced by manufacturers regularly engaged in the production of such items that have a successful history of product acceptability, as interpreted by the ENGINEER. Equipment or materials of less quality or of inferior design to that specified will not be accepted.

1.3 SUBMITTALS

A. Action Submittals: Submit the following for approval:

1. Shop Drawings: Contractor shall not mobilize cleaning operations crews or any other SUBCONTRACTOR or vendor to provide services in support of cleaning operations without approval of corresponding Shop Drawings. Preparation of Action Submittals shall take into considerations materials and constraints included in this Specification. Submittals shall include assumptions and calculations used in the preparation of all required Work Plans.
 - a. Provide the following documentation to demonstrate qualifications of the specialty SUBCONTRACTOR responsible for cleaning operations:
 - i. Company Information: Describe history of the Company including ownership and key management. Indicate location of office performing the work.
 - ii. Project Team: Provide resume of Superintendent and all supervisory personnel including proposed role and individual experience on projects of similar nature.
 - iii. Previous Project Experience: Provide documentation of previous experience. Provide the following for each cleaning and odor control project: Description, year performed, and references with names, title, organization, current telephone number and email address.
 - b. Cleaning Work Plan: Provide the proposed Cleaning Work Plan for cleaning and pigging operations. Include the following information as a minimum:
 - i. Equipment and materials that will be used to launch the pigs.
 - ii. Number of pigs and sizes.
 - iii. Indicate how many pig runs are expected and the anticipated diameter and pig type for each run.
 - iv. Intended methodology for flow control and pig tracking, type of tracking devices and proposed location. Refer to schematic included in Contract Drawings and provide appurtenance IDs for locations.
 - v. Maximum flow anticipated and anticipated displacement volume of solids per pig run.
 - vi. Anticipated volume and rate of supplemental water for each pig run.
 - vii. Anticipated pressure variation and maximum acceptable pressure for each pig run.
 - viii. Potential factors that can impact the execution of the cleaning operation and proposed mitigation.
 - c. Chemical Control Plan: Provide proposed chemicals, subcontractor, and method of operation to aid in the settling and removal of solids, perform odor mitigation and achieve required Dissolved Oxygen (DO) concentration in the wastewater. Include the following information as a minimum:

- i. Proposed SUBCONTRACTOR information including company name, experience, references, and project reference list detailing compliance with required experience.
 - ii. Proposed chemicals, MSDS sheets and recommended handling guidelines.
 - iii. Location and materials for dosing (such as quills, connections, diffusers, etc.). Provide appurtenance IDs associated with injection or monitoring locations.
 - iv. Monitoring equipment and protocol (frequency, locations, wastewater parameters, maximum value thresholds).
 - v. Proposed chemical dosage, dosage control or metering arrangement, range of dosing capabilities, maximum dosage capacity.
 - vi. Chemical pumping and storage, materials and volume of tanks, metering skid pumps and control logic, anticipated duration of chemical storage provided, proposed security around chemical storage and equipment, onsite safety equipment for chemical handling (i.e. portable eyewash).
 - vii. Spill prevention plan and spill mitigation plan.
- d. Solids Management Plan: Provide equipment and method of operation for solids removal from the TSCF. Identify ultimate disposal site and provide a written confirmation from the disposal facility the disposal is acceptable. It is intended that dewatering and sludge thickening occur offsite at the disposal facility, if required for disposal. Include the following information as a minimum:
- i. Decanting procedures, anticipated equipment and method for removal of grit and sludge from TSCF.
 - ii. Disposal procedures including; proposed disposal location(s), maximum daily disposal volume, frequency of disposal, anticipated number and type of daily disposal trucks.
- e. Effluent Pumping Plan: Provide equipment and method of operation for pumping effluent from the TSCF to the Blacks Ford WRF. Include the following information as a minimum:
- i. Operating water levels within the TSCF (frac tanks).
 - ii. Layout and description of proposed pumping system. Indicate number, size and location of all equipment. Provide size, material and method of installation of suction and discharge piping.
 - iii. Pumps and Controls: manufacturer data and curves, number of pumps, maximum capacity of each pumps, number of backup pumps, method of control, range of flow for pumping operations, set points for pump operations, set point for high level alarm.
 - iv. Fuel Storage: proposed fuel storage volume, containers, fueling protocols, spill prevention and response and necessary permits or

jurisdictional notifications.

- f. Cleaning Schedule: Provide a detailed preliminary schedule of activities for cleaning operations. Note that an overall detailed schedule, which includes construction of the permanent and temporary facilities, will be required to be submitted by the CONTRACTOR after Notice to Proceed. The information required herein is strictly associated with the cleaning operations. As a minimum include the following information:
 - i. Anticipated mobilization date.
 - ii. Equipment delivery and setup duration.
 - iii. Testing (as required for pumps, pipes, skids, monitoring, etc).
 - iv. Overall Duration of Cleaning Activities for Segment A1.
 - v. Separate durations for cleaning activities and decanting and solids removal activities for each individual pig run for Segment A1.
 - vi. Overall Duration of Cleaning Activities for Segment A2.
 - vii. Separate durations for cleaning activities and decanting and solids removal activities for each individual pig run for Segment A2.
 - viii. Overall Duration of Cleaning Activities for Segment B
 - ix. Separate durations for cleaning activities and decanting and solids removal activities for each individual pig run for Segment B.
 - x. Final decanting and demobilization of solids facilities.
 - xi. Overall Duration of Activities and Planned Float.

- g. Emergency Plans: Provide Emergency Plans for operational contingencies including the following:
 - i. Emergency Contact List: Name, role, contact information, office and mobile telephone numbers and contact email. Provide a primary and back-up contact. Emergency contacts are required to be available at any time.
 - ii. Pig Retrieval Plan: Indicate how to determine if a pig is wedged or lost and a proposed plan for locating, dislodging, or retrieving a wedged pig.
 - iii. Inclement Weather Plan: Indicate proposed protocol for temporary decommissioning, decanting and protection of facilities in the event of pending inclement weather. Plan should indicate estimated duration of the preparation activities and should establish the required advanced notice time for the ENGINEER and OWNER to make the decision to suspend cleaning operations.
 - iv. Chemical Spill Plan: Included as part of the Chemical Control Plan. Indicate means of cleanup, remediation and timelines for corresponding notices to any required jurisdictional authorities.
 - v. Overflow Response Plan: Provide procedures to be followed in event of sewerage spills or overflows.
 - vi. Temporary Shutdown Plan: Provide procedures to follow in the event OWNER requires CONTRACTOR to suspend cleaning operations to meet operational needs at the Blacks Ford WRF. Indicate how

equipment and facilities will be secured and placed in stand-by and how odor mitigation will be maintained.

- h. TSCF
 - i. Complete layout of the tanks including
 - a. Tank details, dimensions, materials, and capacities
 - b. Connection details and sizes
 - c. Proposed hose and pipe layout and routing
 - d. Hose and pipe cut sheets indicating size and construction
 - e. Connection details
 - ii. Pumping systems
 - a. Pump system including pumps, layouts, sizes and capacities
 - b. Operating requirements
 - iii. Prime Power Systems
 - a. Information about either generators or pump motors
 - b. Noise levels
 - c. Fuel usage

- i. Pipes, valves, appurtenances
 - i. Pipe
 - a. Materials
 - b. Pressure class or rating
 - c. Dimensions
 - ii. Valves
 - a. Materials
 - b. Cut sheets
 - c. Dimensions and details
 - iii. Pig Launching Stations
 - a. Details of construction.
 - b. Materials.
 - c. Connection details.
 - iv. Appurtenances
 - a. Details on connections, fittings, etc.
 - v. Coatings
 - a. Provide manufacturers cut sheets, MSDS, recommended surface preparation and application guidelines.
 - b. Provide three hard copy color charts for color selection.

B. Informational Submittals: Submit the following for documentation:

1. A Daily Field Report shall be kept at the Site for review by the ENGINEER and OWNER. At the end of each day, two copies of the report shall be submitted to the

ENGINEER for record keeping. The report shall contain, but not be limited to, the following information for each day's activity:

- a. Number of crew on the Site and name of Superintendent for each shift.
- b. Description of equipment on-site and equipment used.
- c. Number of hours on the job.
- d. Number of hours of cleaning operations.
- e. Number of hours of shutdown
- f. Description of cleaning activities conducted, including amounts of material used and chronological log of activities.

PART 2 - PRODUCTS

2.1 CLEANING PIGS

- A. Foam Pigs: Provide open cell polyurethane foam pigs of uniform density with a polyurethane ester synthetic rubber coating. The material of the foam pig shall conform to ASTM 02240. The pig shall be capable of passing bends and shall successfully pass through up to a 50% reduction in pipeline inside diameter (ID).
- B. Bi-Directional (BI-DI) Gauge/ Scraper Pigs: Each BI-DI pig shall consist of four (4) polyurethane sealing discs and two (2) support/guide discs, mounted on a carbon steel body. Suitable polyurethane spacers shall separate each disc. Each pig shall be suitable for specific nominal-diameter pipelines to be cleaned. All discs and spacers shall be made of polyurethane with large sealing surface area to accept wear during run. Physical properties of polyurethane for sealing discs and supporting discs should be as per ASTM 02240. Carbon steel body shall be made of API-5L Gr. B Pipes. The pig shall be flexible enough to negotiate restrictions in internal diameter up to 15%. The pig shall have provision of bypass ports and shall be plugged with threaded plugs.

2.2 CHEMICAL CONDITIONING

- A. CONTRACTOR shall provide chemical conditioning to promote solids settling, mitigate odor formation and raise dissolved oxygen (DO) concentrations based on the wastewater quality parameters.
- B. Conditioning Chemical: Peroxide Regenerated Iron-Sulfide Control[®] (PRI-SC[®]) from USP Technologies. PRI-SC[®] is a combination treatment that integrates iron salts with hydrogen peroxide (H₂O₂). PRI-SC[®] treatment is considered as an oxidant (hydrogen peroxide) regenerating the spent iron salt (FeS) in-situ, yielding fresh ferrous (Fe+2) or ferric (Fe3+) iron and colloidal sulfur.

- C. CONTRACTOR shall provide chemical conditioning facilities, which include secondary containment at all locations. In addition, all chemical facilities shall be secured to prevent unauthorized use or access. Methods for securing the sites include the temporary construction of 6-ft high chain-link fence with a gated entry or other approved methods. In addition, CONTRACTOR shall provide necessary safety features at each location to meet applicable safety standards, such as the use of battery-operated, tank-mounted emergency eye showers, audible alarms, and remote communications. In addition, the CONTRACTOR shall require the use of appropriate Personal Protection Equipment (PPE) from all employees and visitors.
- D. Provide chemical storage tanks with integral secondary containment. Design all tanks in accordance with appropriate chemical industry standards, and federal, state and local regulations. Provide site containment or tertiary system with required safety devices. Provide tank-side display of level in gallons. On site chemical storage shall be 150% of the estimated demand
- E. Provide pump assembly skids with metering pumps. Suction and discharge piping shall be compatible with the chemical being handled. Include necessary fittings including, backpressure regulator, pressure relief valves and calibration assembly. Pump skids shall have an electrical control panel that provides on/off, manual or automatic operation of either pump. Skids shall be mounted in environmental enclosures for leak management and outfitted with leak detection equipment.
1. Ferrous Chloride System
 - i. Minimum flow 13.2 (gallons per hour) gph
 - ii. Maximum flow 35.8 gph
 2. Hydrogen Peroxide – Force Main
 - i. Minimum Flow 39.5 gph
 - ii. Maximum Flow 165 gph
 3. Hydrogen Peroxide – Effluent Pump/Return Flow to Blacks Ford WRF
 - i. Minimum Flow 5.0 gph
 - ii. Maximum Flow 10.0 gph
- F. CONTRACTOR shall provide flow meters suitable for continuous operation utilized for monitoring actual force main flow volumes for adjusting pigging and chemical dosing operations. Flow meters shall be provided on the force main at all chemical addition points and at the tank pump out point.
1. The meters shall be Clamp-on type that use externally mounted transducers with no pipe penetration.
 2. The meters shall be NEMA 4X, C1D2 rated, capable of Transit-time and Doppler

- operation.
3. Meter accuracy shall be +/- 1% at flows above 1 foot per second (fps), and +/- 0.01 fps below 1 fps..
 4. Meters shall have auto-zero and not require flow stoppage to set zero flow
 5. Meters shall have a visual output for manual reading and a 4 milliamp to 20 milliamp output for connection to chemical feed equipment.
 6. Meters shall be Siemens Sitrans FUS1010 or approved equal.
 7. Meter installations shall be performed by a manufacturer trained technician.
 8. Submit letter certifying installation and calibration.

G. Monitoring Equipment Specifications:

1. H2S Odor Logger: OdaLog Data Logger Unit (0 – 1000 ppm range).
2. H2S Odor Logger: OdaLog Data Logger Unit (0 – 50 ppm range).
3. Field Olfactometer: Nasal Ranger Field Olfactometer.
4. Analyzers:
 - i. DO, PH, TSS – YSI Model EX01 or approved equal
 1. Ranges:
 - a. DO – 0 to 10 mg/L
 - b. PH – 1 to 14 PH units
 - c. TSS – 0 to 500 mg/L
 - ii. COD – YSI Model UVT -254 or approved equal
 1. Ranges:
 - a. COD – 0 to 1,000 mg/L
 - iii. Controller: YSI Model IQSN 2020 or approved equal.

2.3 COUNTERACTANT

- A. CONTRACTOR shall provide all pumps, electrical generators, piping, valves, controls and appurtenances for a complete counteractant system
- B. System shall be self-contained HLDA-series by Hinsilblon or approved equal. System shall include a weatherproof enclosure, utilizing EvaneScent product (blend of citrus, cinnamon, pine, and clove oils).
- C. Two systems shall be provided. One at the influent tanks, and one at the pump out tank.
- D. Each system shall include 500 ft of 4” Spiralite hose with ¼-inch holes drilled at 10 ft intervals. 5 hp fan, aluminum enclosure, 460V, 60, hz, 3 phase power from temporary generator.
- E. On site storage for counteractant shall include 150% of volume anticipated for each run, and 150% of fuel for generators for each run.

2.4 PUMPING

- A. CONTRACTOR shall provide all pumps, electrical generators, piping, valves, controls and appurtenances for a complete pumping system to return effluent from the TSCF to the Blacks Ford WRF.
- B. Equipment
 - 1. Fully automatic self-priming, variable flow rate pumps.
 - 2. Coupled with an in-line strainer or bottom hole skimmer.
 - 3. Fitted with inline Y-style, T-style or Basket strainers with a maximum screen opening ¼ inch.
 - 4. Power may be electric or diesel. Maximum sound pressure level of pump or generator shall be 80 dBA at 25 feet from operating unit.
 - 5. Constructed to allow dry running for long periods of time to without damage, or automatic controls to prevent damage.
 - 6. Necessary stop/start controls for each pump.
 - 7. One installed standby pump of each size.
 - 8. If electric powered by generator, a standby generator of the largest size on site.
- C. Design Requirements:
 - 1. Pump system shall be designed to pump the following flows:
 - a. Intermediate pump rates shall be from 40 to 3,200 gpm at head required.
 - b. Return pumps to Blacks Ford WRF shall be able to pump a minimum of 40 gpm at 40 feet, to a maximum of 3,200 gpm at 90 feet.
 - c. Weir tank dewatering pumps shall be capable of 40 gpm to 400 gpm, to dewater the weir tanks prior to removing solids from them. These pumps are only required if weir tanks have top takeoffs and will not drain by gravity to remove excess water in solids in the tanks.
 - 2. Pump systems shall have redundant pumps so that they will operate with the single largest pump out of service.
 - 3. Capable of operating 24 hours per day
 - 4. Fuel storage on site for 150% of anticipated requirement for each run.

2.5 TANKS

- A. CONTRACTOR shall provide TSCF consisting in a combination of open-top tanks, weir tanks and closed-top tanks. Tanks shall be manufactured of steel and shall be suitable for use with raw wastewater. Tanks shall have been hydrostatically tested and have no leaks. Tanks shall include all necessary accessories, include inspection manways, valved fill/drain ports, vents, safety ladder and handrails (if applicable) and shall be axle mounted for easy maneuverability. Tanks to be sloped to promote drainage from influent to drain ports. CONTRACTOR shall provide the number of each type of tanks as shown on the drawings and specified.
- B. Influent and effluent tanks: CONTRACTOR shall provide open top tanks with a minimum volume of 18,000 gallons to serve as the influent tank and effluent tank.
- C. Weir tanks: CONTRACTOR shall provide flip top tanks with a minimum volume of 18,000 gallons to serve as the primary solids deposition location. Tanks to include two equally spaced internal weirs. Weirs to be steel and shall be suitable for use with raw

wastewater. The forward weir shall be an overflow weir, extending upward from the bottom of the tank. The rear weir shall be an underflow weir, extending downward from the roof. Tank roof shall be fitted with inspection doors.

- D. Frac tanks: CONTRACTOR shall provide closed top or flip top tanks with a minimum volume of 20,000 gallons to serve as storage between the weir tanks and the effluent tank. Closed top tanks to include pressure relief valves capable of handling vacuum and overpressure. Tanks shall include a minimum of one 22-inch diameter manway on top of the tank, and two on the sides of the tank.
- E. The entity designing and supplying the tanks shall have been performing this type of work for a minimum of ten years.
 - 1. Baker Corp
 - 2. Rain for Rent
 - 3. Or equal

2.5 RECLAIMED WATER

- A. Where available, CONTRACTOR may use reclaimed water provided by owner at no additional charge. Water quantities will be limited as indicated. CONTRACTOR shall provide all piping, connections, and appurtenances to connect to identified source.
- B. CONTRACTOR is responsible for obtaining a meter from OWNER, metering all water used, and reporting the amount used.

2.6 PIPE SUPPORTS

- A. Where shown on the drawing, pipe supports shall be pipe saddle supports with cast iron support with yoke and reducer with nipple. Include with adjustable stanchion types with pipe supports and mounting flanges. Modify supports as required for stainless steel piping. Supply all pipe saddles including adjustable and stanchion types with pipe supports and mounting flanges.
- B. Pipe supports shall be painted with Tnemec N69 Series Hi-Build Epoxoline II, or approved equal.
 - 1. Surface preparation shall be as recommended by manufacturer.
 - 2. Primer shall be one coat, 4.0 – 6.0 dry mils
 - 3. Top coat shall be one coat, 2.0 – 4.0 mils
 - 4. Color shall be as selected by OWNER from standard manufacturers color chart.
- C. Supports shall include anchor bolts.
- D. Supports shall be installed on minimum 1-inch non-shrink grout base.

PART 3 - EXECUTION

3.1 CLEANING OPERATIONS

- A. CONTRACTOR shall perform the work as shown in the Contract Documents and in accordance with the specifications and approved submittals. Successful completion of cleaning operations is defined as the ability to successfully send a same size nominal diameter pig unobstructed through the force main.

3.2 PERFORMANCE REQUIREMENTS

- A. CONTRACTOR shall develop the Cleaning Work Plan to pig the force mains based on the existing normal diurnal flows plus the use of a maximum of 300,000 gallons per day (gpd) of supplemental water provided by the OWNER from the reclaimed water system. The supplemental water is only available at the CR 210 BPS.
- B. Peak flow for batch decanting the TSCF and pumping back to the Blacks Ford WRF shall be limited to 200 gpm and the total volume shall not exceed 300,000 gpd, unless approved in writing by the OWNER. Provide continuous monitoring and control to meet the flow and volume limitations. Provide information on equipment, controls and proposed operation in the Cleaning Work Plan.
- C. Dissolved Oxygen (DO) concentrations in the effluent from the TSCF pumped back to the Blacks Ford WRF must exceed 2.0 mg/L. Provide online continuous monitoring and chemical conditioning at the sump basin to maintain an acceptable DO concentration. Provide information on equipment, chemicals and proposed operation in the Chemical Control Plan.
- D. pH in the effluent from the TSCF pumped back to the Blacks Ford WRF must not fall below 6.0 pH units. Provide online continuous monitoring and chemical conditioning at the sump basin to maintain an acceptable pH. Lime addition is an acceptable method to raise the pH. When conditioning the effluent with lime, limit the pH increase to a maximum value of 8.0 pH units.
- E. Operation of the TSCF must limit the effluent Carbonaceous Biochemical Oxygen Demand (CBOD) pumped back to the Blacks Ford WRF to 110 mg/L. As CBOD concentration cannot be measured in real-time, CONTRACTOR shall monitor Chemical Oxygen Demand (COD) as a surrogate at the end of the TSCF with a real-time COD analyzer. Wastewater samples have been collected and indicate that the COD/CBOD ratio was found to be approximately 2.3. Thus for initial operations, the effluent pump back to Blacks Ford WRF must limit the COD to a maximum concentration of 250 mg/L. CONTRACTOR shall collect and analyze two (2) daily wastewater samples (primary and duplicate) at the last tank of the TSCF during pigging operations to monitor the COD/CBOD ratio. The decant pumping rate back to the Blacks Ford WRF will be controlled based on the real-time COD monitoring, and associated COD/CBOD ratio. COD/CBOD ratios shall be updated based on the data collected, and limits of COD must

be adjusted to achieve the required CBOD concentration. Provide continuous monitoring and chemical conditioning to maximize flocculation and settling of solids to meet the CBOD effluent limit. Provide information on equipment, chemicals and proposed operation in the Chemical Control Plan.

- F. The CONTRACTOR shall furnish and install six working and calibrated OdaLog data logger units to the OWNER, (two duty, two recovering, and two standby) mounted on temporary poles throughout the duration of the cleaning activities. Three units will be 0-1000 ppm, and three 0-50 ppm. OdaLog data logging units shall be installed at designated locations by the ENGINEER (typically less than 30 feet away from open top tanks). The concentration of odorous Hydrogen Sulfide (H₂S) gas measured at these data logging units shall not exceed 10.0 ppm. If the measured H₂S exceeds 10 ppm, increase the chemical dosage by 25% or as recommended by the chemical SUBCONTRACTOR and ENGINEER. Provide all training, calibration and supplemental supplies required for operation of these units for four months. These units shall remain with the OWNER at the end of the project.
- G. The CONTRACTOR shall furnish two calibrated Nasal Ranger Field Olfactometers for this project. Nasal Ranger units shall be utilized by the OWNER and/or ENGINEER daily to monitor success of the odor mitigation strategies by performing odor survey at nearby receptors such as the Creekside High School campus. The maximum allowable dilution threshold at these locations shall not exceed a value of 5.0 (D/T). If the dilution threshold exceeds the maximum acceptable value, the CONTRACTOR shall adjust odor mitigation strategies including the dosage of chemicals, location of chemical dosing or other means to reduce formation or control dispersion of odors. Provide all training, calibration and supplemental supplies required for operation of these units for four months. These units shall remain with the OWNER at the end of the project.
- H. In the event of inclement weather (hurricane, tropical storms) or expected high intensity rain events, the CONTRACTOR shall execute the approved Inclement Weather Plan which shall include provisions for decanting, dewatering and protecting the TSCF in place during the event. All activities shall cease and all sites shall be secured until notified by OWNER that work may resume.
- I. OWNER may require CONTRACTOR to suspend all or some portion of the cleaning activities to accommodate operational needs at the Blacks Ford WRF. CONTRACTOR shall retrieve active pigs and suspend all activities as directed after receiving notice from the OWNER or ENGINEER. Should the projected suspension of activities extend beyond a 24 -hour duration, CONTRACTOR, ENGINEER and OWNER shall meet and prepare a formal plan to resume activities.

3.3 CHANGES TO APPROVED WORK PLANS

- A. The CONTRACTOR shall follow approved Work Plans:
 - 1. Once the diagnostic pig run on any segment of force main has been completed, the CONTRACTOR can propose revisions to the Cleaning Work Plan that account for gauging the type of sediment, density, speed versus rate of flow, and make adjustments to address system constraints and submit revisions for review and approval.

3.4 MAINTENANCE OF EXISTING FACILITIES

- A. CONTRACTOR will be responsible for all aspects of preservation and restoration to original condition of portions of the existing access road within the easement utilized for this project. During contract activities, CONTRACTOR shall continuously maintain the road to permit truck access.
- B. CONTRACTOR shall not park equipment on the existing access road within the utility easement.
- C. CONTRACTOR shall not store or stage equipment or materials nor perform any part of the work within 25 feet of electric transmission towers.
- D. CONTRACTOR where necessary shall move equipment to allow the OWNER or others access along and on the power line easement.
- E. CONTRACTOR shall keep gate at the end of Knights Lane locked at all times. CONTRACTOR shall utilize their own lock in a dual lock system to maintain security at the site. Fifteen spare keys to this lock shall be provided to OWNER.

3.5 SITE SECURITY AND SAFETY

- A. CONTRACTOR is responsible for site security and safety. This includes providing a minimum 4-inch gravel base under all chemical feed and pump areas, security fencing around all equipment and protection of tanks.

3.6 CLOSE-OUT PROCEDURES

- A. The CONTRACTOR shall remove all equipment and materials utilized in the cleaning process, and return all sites to original condition.

APPENDIX B-LIST OF SUBCONTRACTORS FORM

137-17 Construction Services for CR 210 Booster Pump Station (BPS) Pipeline Cleaning Facilities and Force Main Cleaning: CR 210 BPS to Blacks Ford WRF

JEA Solicitation Number 137-17 requires certain major Subcontractors be listed on this form, unless the work will be self-performed by the Company.

The undersigned understands that failure to submit the required Subcontractor information on this form will result in bid rejection, and the Company agrees to employ the Subcontractors specified below: (Use additional sheets as necessary)

Note: This list of Subcontractors shall not be modified subsequent to bid opening, without a showing of good cause and the written consent of JEA.

| Type of Work | Corporate Name of Subcontractor (If work will be self-performed list "Self-performed" below) | Subcontractor Primary Contact Person & Telephone Number | Subcontractor's License Number (if applicable) | Percentage of Work or Dollar Amount |
|--|--|---|--|-------------------------------------|
| 1. Line Cleaning and Pigging (Must be the subcontractor referenced in the minimum qualifications) | | | | |
| 2. HDPE Pipe Fusing and Testing | | | | |
| 3. Pipe Swabbing and Testing | | | | |
| 4. Sedimentation and Erosion Control work | | | | |
| 5. Landscaping work | | | | |
| 6. Tapping HDPE and PVC pipe work | | | | |
| 7. Non paved roadway grading, construction, and restoration | | | | |
| 8. Grassing work | | | | |
| 9. Trucking/Hauling Sludge | | | | |
| | | | | |
| | | | | |

Signed: _____

Company: _____

Address: _____

Date: _____

APPENDIX B- MINIMUM QUALIFICATIONS FORM
137-17 - Construction Services for CR 210 Booster Pump Station (BPS) Pipeline Cleaning Facilities and Force Main Cleaning: CR 210 BPS to Blacks Ford WRF

THE MINIMUM QUALIFICATIONS SHALL BE SUBMITTED ON THIS FORM. IN ORDER TO BE CONSIDERED A QUALIFIED BIDDER BY JEA YOU MUST MEET THE MINIMUM QUALIFICATIONS LISTED BELOW, AND BE ABLE TO PROVIDE THE EQUIPMENT AND ALL THE SERVICES LISTED IN THIS SOLICITATION.

THE BIDDER MUST COMPLETE THE INFORMATION SECTION BELOW AND PROVIDE ANY OTHER INFORMATION OR REFERENCE REQUESTED. THE BIDDER MUST ALSO PROVIDE ANY ATTACHMENTS REQUESTED WITH THIS MINIMUM QUALIFICATIONS FORM.

A COMPANY SHALL SUBMIT ONE (1) ORIGINAL QUALIFICATIONS PACKAGE AND TWO (2) DUPLICATES OF THE ORIGINAL QUALIFICATIONS PACKAGE, AND AN ELECTRONIC VERSION WITH THEIR HARDCOPY SUBMITTAL.

BIDDER INFORMATION:

COMPANY NAME: _____

BUSINESS ADDRESS: _____

CITY, STATE, ZIP CODE: _____

TELEPHONE: _____

FAX: _____

E-MAIL: _____

PRINT NAME OF AUTHORIZED REPRESENTATIVE: _____

SIGNATURE OF AUTHORIZED REPRESENTATIVE: _____

TITLE OF AUTHORIZED REPRESENTATIVE: _____

Bidder shall have the following Minimum Qualifications to be considered eligible to submit a Bid in response to this Solicitation. **A Minimum Qualification Form which is required to be submitted with the Bid Form is provided in Appendix B of this Solicitation.**

It is the responsibility of the Bidder to ensure and certify that it meets the Minimum Qualifications stated below. **JEA will contract and verify all of the project references provided.** A Bidder not meeting all of the following criteria will have their Bids rejected:

1. Bidder must have a State of Florida General Contractor OR Underground Utility and Excavation Contractor License. Enter the license number on Appendix B - Bid Form.
2. Bidder shall provide references for two (2) projects that were self-performed and successfully completed for the installation of a force main wastewater pipeline of at least 2,000 feet, with a pipe size of 24 inches in diameter or larger, within the last ten (10) years as of the Bid Due Date.
3. Bidder or Subcontractor to perform the work on this project, shall provide project references in which it has successfully self-performed hot tapping on a pipe size of 24 inches in diameter or larger, within the last ten (10) years as of the Bid Due Date.
 - The projects shall show a total number of six (6) hot taps, three (3) shall be for PVC pipe material and three (3) shall be for HDPE pipe material.
 - JEA will accept up to six (6) project references to demonstrate this experience.

4. Bidder or Subcontractor to perform the work for this project, shall provide three (3) similar self-performed projects references for line cleaning and pigging with a minimum length of 3,000 feet of pipe 24 inches in diameter or larger, in the last ten (10) years as of the Bid Due Date.
 - o A similar project is defined as performing mechanical cleaning of pipes with “pigs” for active sewage force mains that have been in operation more than three (3) years in duration.

MINIMUM QUALIFICATION 2. REFERENCE 2

Reference Company Name _____

Reference Contact Person Name _____

Reference Contact Person Phone Number _____

Reference Contract Person E-Mail Address _____

Date Construction Completed _____

Project Title _____

Force Main pipe size in inches of diameter _____

Length of pipe in feet _____

Description of Project _____

MINIMUM QUALIFICATION 4. REFERENCE 3

Reference Company Name _____

Reference Contact Person Name _____

Reference Contact Person Phone Number _____

Reference Contract Person E-Mail Address _____

Date Construction Completed _____

Operation Duration in years _____

Project Title _____

Force Main pipe size in inches of diameter _____

Length of pipe in feet _____

Performed mechanical cleaning of pipes with "pigs" for active sewage force mains? _____

Description of Project _____

APPENDIX B-BID FORM

137-17 Construction Services for CR 210 Booster Pump Station (BPS) Pipeline Cleaning Facilities and Force Main Cleaning: CR 210 BPS to Blacks Ford WRF

Submit an **original, two (2) copies and one (1) CD or thumb drive** along with other required forms in a sealed envelope to: JEA Procurement Dept., 21 W. Church St., Bid Office, Customer Center, 1st Floor, Room 002, Jacksonville, FL 32202-3139.

Company Name: _____

Company's Address _____

License Number _____

Phone Number: _____ FAX No: _____ Email Address: _____

BID SECURITY REQUIREMENTS

- None required
 Certified Check or Bond Five Percent (5%)

TERM OF CONTRACT

- Project Completion
 Annual Requirements
 Other, Specify _____

SAMPLE REQUIREMENTS

- None required
 Samples required prior to Response Opening
 Samples may be required subsequent to Bid Opening

SECTION 255.05, FLORIDA STATUTES CONTRACT BOND

- None required
 Bond required 100% of Bid Award

QUANTITIES

- Quantities indicated are exacting
 Quantities indicated reflect the approximate quantities to be purchased Throughout the Contract period and are subject to fluctuation in accordance with actual requirements.

INSURANCE REQUIREMENTS

Insurance required

PAYMENT DISCOUNTS

- 1% 20, net 30
 2% 10, net 30
 Other _____
 None Offered

| Item No. | ENTER YOUR BID FOR THE FOLLOWING DESCRIBED ARTICLES OR SERVICES | TOTAL BID PRICE |
|-----------------|---|------------------------|
| 1 | 137-17 Construction Services for CR 210 Booster Pump Station (BPS) Pipeline Cleaning Facilities and Force Main Cleaning: CR 210 BPS to Blacks Ford WRF (Transfer Total from Appendix B Bid Workbook) | \$ _____ |

I have read and understood the Sunshine Law/Public Records clauses contained within this solicitation. I understand that in the absence of a redacted copy my proposal will be disclosed to the public "as-is".

BIDDER CERTIFICATION

By submitting this Bid, the Bidder certifies that it has read and reviewed all of the documents pertaining to this Solicitation, that the person signing below is an authorized representative of the Bidding Company, that the Company is legally authorized to do business in the State of Florida, and that the Company maintains in active status an appropriate contractor's license for the work (if applicable). The Bidder also certifies that it complies with all sections (including but not limited to Conflict Of Interest and Ethics) of this Solicitation.

We have received addenda _____

_____ through _____

_____ Date

Handwritten Signature of Authorized Officer of Company or Agent

Printed Name and Title