

R.P. Utility and Excavation Corp Response

Pricing unsealed at Jun 2, 2026 2:31 PM

CONTACT INFORMATION

Company

R.P. Utility and Excavation Corp

Email

vmenocal@rpucorp.com

Contact

Victor Menocal

Address

17680 NW 78th Avenue

Suite 101

Hialeah, FL 33015

Phone

(786) 577-6666

Website

www.rpucorp.com

Submission Date

Jun 2, 2026 12:51 PM (Eastern Time)

ADDENDA CONFIRMATION

☒ Addendum #1

Confirmed May 26, 2026 11:11 AM by Victor Menocal

☒ Addendum #2

Confirmed May 28, 2026 3:01 PM by Victor Menocal

☒ Addendum #3

Confirmed May 28, 2026 3:01 PM by Victor Menocal

QUESTIONNAIRE

1. CONFIRMATION TO BIND

1.1. I certify that I have read, understood and agree to the terms in this solicitation, and that I am authorized to submit this response on behalf of my company.*

☒ Confirmed☒ Pass ☐ Fail

2. CERTIFICATION OF INSURANCE COMPLIANCE AND INTENT TO PROCURE REQUIRED COVERAGE

NOTE: Vendors are not required to purchase any additional insurance in order to submit a bid. However, they must certify that they either currently hold, or are able and willing to obtain, all required insurance coverages, endorsements, and limits prior to award and execution of the contract.

2.1. I certify that, if awarded this contract, I will be required to obtain and maintain all insurance policies as detailed in the INSURANCE REQUIREMENTS Section of this solicitation before any work may commence, and throughout the life of the contract.*

☒ Confirmed☒ Pass ☐ Fail

2.2. Do you confirm that you will only use insurance carriers licensed to do business in the State of Florida and rated no less than "A" as to management, and no less than "Class VI" as to financial strength by A.M. Best, and that you understand all endorsements required (e.g., Additional Insured, Waiver of Subrogation, etc.) must be included?*

Yes

☒ Pass ☐ Fail

2.3. Do you currently carry insurance policies that meet or exceed the minimum requirements outlined in the INSURANCE REQUIREMENTS section of this solicitation?*

Yes

☒ Pass ☐ Fail

2.3.1. Please upload your current certificate(s) of insurance that demonstrate compliance with the insurance requirements outlined in this solicitation.*

☒ Pass ☐ Fail

 [2.3.1. COI.pdf](#)

2.4. Do you believe you are exempt from one or more insurance requirements (e.g., Workers' Compensation)?*

☒ Pass ☐ Fail

No

2.5. Do you plan on using subcontractors for this project?*

☒ Pass ☐ Fail

Yes

2.5.1. Do you acknowledge that all subcontractors must also carry the same insurance or be covered under your policy, and that proof of such coverage must be provided to the City?*

☒ Pass ☐ Fail

Yes

3. REFERENCE # 1

The minimum experience for this project is **five (5) years**. Provide specific examples of similar experience conducting licensed work of equal or similar scope of work, preferably delivered by the proposed team members. A **minimum of 3** references should be from the last **five years** and should be capable of explaining and confirming your firm's capacity to successfully complete the scope of work outlined herein. As part of the proposal evaluation process, the City may conduct an investigation of references, including a record check or consumer affairs complaints. Proposers' submission of a proposal constitutes acknowledgment of the process and consent to investigate. The City is the sole judge in determining Proposers qualifications. In this section you will have the ability to enter information for 5 different references including their contact details and specific project information.

Please note that the City prefers references who are not current employees of the City of Pembroke Pines, as we generally do not contact our own employees for reference checks.

Proposers are advised to confirm that:

1. Each reference provided by the Respondent has up to date contact persons and contact information;
2. The contact person provided for each reference is someone who has personal knowledge of the Proposer's performance during the referenced project; and
3. The contact person for each reference has been contacted by the Proposer regarding this specific bid submittal and such person confirmed their willingness to serve as a reference.

3.1. Reference Contact Information – Name of Firm, City, County or Agency*

☒ Pass ☐ Fail

Miami Dade Water & Sewer Department

3.2. Reference Contact Information – Reference's Business Address*

☒ Pass ☐ Fail

3071 SW 38 Ave, Miami, FL 33146

3.3. Reference Contact Information – Reference's Contact Name & Title*

☒ Pass ☐ Fail

Christian Espinoza, Project Manager

3.4. Reference Contact Information – Reference's E-mail Address*

☒ Pass ☐ Fail

Christian.Espinoza@miamidade.gov

3.5. Reference Contact Information – Reference's Phone Number*

☒ Pass ☐ Fail

(786) 552-4421

3.6. Project Information – Was your firm the prime contractor for the listed project?*

☒ Pass ☐ Fail

Yes

3.7. Project Information – Name of Contactor Performing the Work*

☒ Pass ☐ Fail

R.P. Utility & Excavation Corp.

3.8. Project Information – Name and location of the project*

☒ Pass ☐ Fail

NW 42 Avenue (LeJeune Rd) from East 57 St to NW 128 St.

3.9. Project Information – Nature of the firm's responsibility on the project and work for which staff was responsible for*

☒ Pass ☐ Fail

The Project consists of furnishing and installing approximately 5,115 LF of 36-inch inside diameter force main along NW 42 Avenue (LeJeune Rd) from East 57 St to NW 128 St.

- 25 LF of 42-inch PVC C900 DR18 pipe force main with fittings via open; 300 LF of 36-inch PVC C900 DR18 force main with fittings via open; 50 LF of 20-inch PVC C900 DR18 force main with fittings via open cut;
- 4,800 LF of 42-inch HDPE PE4710 IPS DR11 force main via HDD;
- Four plug valves and one access manhole;
- One tapping connection to an existing 48-inch sewage force main including furnishing and installing a tapping sleeve (stainless steel) and tapping valve;
- One connection to an existing 42-inch sewage force main via a 42"x36" tapping sleeve and valve;
- One cut-in connection to an existing 36-inch sewage force main using a 36-inch line stop with bypass.

This project is currently running at 90% complete and currently in the certification process.

3.10. Project Information – Project Duration*

☒ Pass ☐ Fail

350 Calendar Days

3.11. Project Information – Completion (Anticipated) Date*

☒ Pass ☐ Fail

July 2026

3.12. Project Information – Size of Project*

☒ Pass ☐ Fail

5,115 LF of 36-inch inside diameter force main

3.13. Project Information – Cost of Project*

☒ Pass ☐ Fail

\$8,477,782.82

4. REFERENCE # 2

4.1. Reference Contact Information – Name of Firm, City, County or Agency*

☒ Pass ☐ Fail

City of Miramar

4.2. Reference Contact Information – Reference's Business Address*

☒ Pass ☐ Fail

2300 Civic Center Place Miramar, FL 33025

4.3. Reference Contact Information – Reference's Contact Name & Title*

☒ Pass ☐ Fail

Eric Francois, Senior Project Manager

4.4. Reference Contact Information – Reference's E-mail Address*

☒ Pass ☐ Fail

efrancois@miramarfl.gov

4.5. Reference Contact Information – Reference's Phone Number*

☒ Pass ☐ Fail

(954) 602-3309

4.6. Project Information – Was your firm the prime contractor for the listed project?*

☒ Pass ☐ Fail

Yes

4.7. Project Information – Name of Contactor Performing the Work*

☒ Pass ☐ Fail

R.P. Utility & Excavation Corp.

4.8. Project Information – Name and location of the project*

☒ Pass ☐ Fail

The Project scope will serve the area bounded by Pembroke Road to the North, SW 184th Avenue to the West, Miramar Parkway to the South, and SW 160th to the East, in Miramar, Florida.

4.9. Project Information – Nature of the firm's responsibility on the project and work for which staff was responsible for*

☒ Pass ☐ Fail

Project consisted of the installation of 31,000 LF of 10" and 14" HDPE Reclaimed Water Pipeline via Horizontal Directional Drill and pipe connections to existing reclaimed water main at Dykes Road, Bass Creek and SW 184th Avenue. The Project scope will serve the area bounded by Pembroke Road to the North, SW 184th Avenue to the West, Miramar Parkway to the South, and SW 160th to the East, in Miramar, Florida. The proposed expansion will cap service connection to existing properties for future connection.

The project includes approximately 81 Gate Valves ranging from 4" to 12", 12 Fire Hydrants, 16 Meter Assemblies, and the restoration of the work which includes hardscape improvements, swales reconstruction and trench restoration.

4.10. Project Information – Project Duration*

☒ Pass ☐ Fail

700 Calendar days with additional work

4.11. Project Information – Completion (Anticipated) Date*

☒ Pass ☐ Fail

May 2025

4.12. Project Information – Size of Project*☒ Pass ☐ Fail

31,000 LF of 10" and 14" HDPE Reclaimed Water Pipeline via Horizontal Directional Drill and pipe connections to existing reclaimed water main at Dykes Road, Bass Creek and SW 184th Avenue.

4.13. Project Information – Cost of Project*☒ Pass ☐ Fail

\$6,548,670.46

5. REFERENCE # 3**5.1. Reference Contact Information – Name of Firm, City, County or Agency***☒ Pass ☐ Fail

CES Consultants

5.2. Reference Contact Information – Reference's Business Address*☒ Pass ☐ Fail

880 SW 145th Avenue, Suite 106 Pembroke Pines, FL 33027

5.3. Reference Contact Information – Reference's Contact Name & Title*☒ Pass ☐ Fail

Ernesto Cano, Construction Director

5.4. Reference Contact Information – Reference's E-mail Address*☒ Pass ☐ Fail

ecano@cesconstruct.com

5.5. Reference Contact Information – Reference's Phone Number*☒ Pass ☐ Fail

305-310-5389

5.6. Project Information – Was your firm the prime contractor for the listed project?*☒ Pass ☐ Fail

No

5.7. Project Information – Name of Contactor Performing the Work*☒ Pass ☐ Fail

This was a Design/Build project in which CES was the Prime as the EOR; however, RPU was responsible for the construction.

5.8. Project Information – Name and location of the project*☒ Pass ☐ Fail

NW 13th Street between NW 9th Avenue and North Andrews Avenue, Fort Lauderdale, FL

5.9. Project Information – Nature of the firm's responsibility on the project and work for which staff was responsible for*☒ Pass ☐ Fail

This project was a Design/Build project which consisted of the installation of approximately 2,414 LF of new 36-inch HDPE DR11 and 720 LF of 30-inch DIP force main under Northwest 13th Street by horizontal directional drilling (HDD). The project connected to the existing 24-Inch Force main along Powerline Road to an interconnection to an existing 20-Inch Force Main along North Andrews Avenue. There were interconnections to two existing 14-Inch force mains along NE 13th Street at NW 1st Avenue and NW 2nd Avenue.

Additionally, the project included the installation of a new plug valve and piping near NE 14th Avenue and 11th Street to replace the existing inoperable valve and providing isolation (line stop) to perform the tie-in. This work was necessary to divert flows away from the work area on NW 13th Street between Powerline Road and North Andrews Avenue.

5.10. Project Information – Project Duration*☒ Pass ☐ Fail

400 Calendar Days

5.11. Project Information – Completion (Anticipated) Date*☒ Pass ☐ Fail

July 2021

5.12. Project Information – Size of Project*☒ Pass ☐ Fail

Installation of approximately 2,414 LF of new 36-inch HDPE DR11 and 720 LF of 30-inch DIP force main under Northwest 13th Street.

5.13. Project Information – Cost of Project*☒ Pass ☐ Fail

\$2,295,986.50

6. REFERENCE # 4**6.1. Reference Contact Information – Name of Firm, City, County or Agency**☒ Pass ☐ Fail

Tohopekaliga Water Authority

6.2. Reference Contact Information – Reference's Business Address☒ Pass ☐ Fail

951 MLK Jr. Blvd, Kissimmee, FL 34741

6.3. Reference Contact Information – Reference's Contact Name & Title Edwin Matos, Project Manager	☒ Pass ☐ Fail
6.4. Reference Contact Information – Reference's E-mail Address Ematos@tohowater.com	☒ Pass ☐ Fail
6.5. Reference Contact Information – Reference's Phone Number 407-944-5000	☒ Pass ☐ Fail
6.6. Project Information – Was your firm the prime contractor for the listed project? Yes	☒ Pass ☐ Fail
6.7. Project Information – Name of Contactor Performing the Work R.P. Utility & Excavation Corp.	☒ Pass ☐ Fail
6.8. Project Information – Name and location of the project W. Irlo Bronson Memorial Highway, Kissimmee, FL	☒ Pass ☐ Fail
6.9. Project Information – Nature of the firm's responsibility on the project and work for which staff was responsible for This project consisted of the installation of approximately 4,600 LF of 20" HDPE DR11 via Horizontal Directional Drill and approximately 900 LF of 16" DR-18 PVC via open cut including the installation of 6 ARVs. The work also included the abandonment of the existing 16" DIP wastewater force main with grout for the full length of approximately 5,500 LF.	☒ Pass ☐ Fail
6.10. Project Information – Project Duration 400	☒ Pass ☐ Fail
6.11. Project Information – Completion (Anticipated) Date December 2021	☒ Pass ☐ Fail
6.12. Project Information – Size of Project Approximately 4,600 LF of 20" HDPE DR11 via Horizontal Directional Drill and approximately 900 LF of 16" DR-18 PVC via open cut.	☒ Pass ☐ Fail
6.13. Project Information – Cost of Project \$2,246,384.72	☒ Pass ☐ Fail
7. REFERENCE # 5	
7.1. Reference Contact Information – Name of Firm, City, County or Agency City of Oviedo	☒ Pass ☐ Fail
7.2. Reference Contact Information – Reference's Business Address 400 Alexandria Boulevard I Oviedo, Florida 32765	☒ Pass ☐ Fail
7.3. Reference Contact Information – Reference's Contact Name & Title Mala Persaud, E.I. , Engineer III	☒ Pass ☐ Fail
7.4. Reference Contact Information – Reference's E-mail Address mpersaud@cityofoviedo.net	☒ Pass ☐ Fail
7.5. Reference Contact Information – Reference's Phone Number 4074-971-5652	☒ Pass ☐ Fail
7.6. Project Information – Was your firm the prime contractor for the listed project? Yes	☒ Pass ☐ Fail
7.7. Project Information – Name of Contactor Performing the Work R.P. Utility & Excavation Corp.	☒ Pass ☐ Fail
7.8. Project Information – Name and location of the project Oviedo Blvd. from CR419 to Windy Pine Way	☒ Pass ☐ Fail

7.9. Project Information – Nature of the firm's responsibility on the project and work for which staff was responsible for ☒ Pass ☐ Fail

The project consists of a new 18-inch reclaimed water main within the right-of-way of Oviedo Boulevard. The new main will connect to the existing 16-inch reclaimed water main located south of the Oviedo Gym and Aquatic Facility in the western right of way. The new reclaimed water main will extend north approximately 1,623 linear feet within the Oviedo Boulevard western right-of-way and terminate approximately 50 feet south of the future CR 419 right of way (East Broadway Street). The project was installed via HDD and open cut.

7.10. Project Information – Project Duration ☒ Pass ☐ Fail

240 Calendar Days

7.11. Project Information – Completion (Anticipated) Date ☒ Pass ☐ Fail

January 2026

7.12. Project Information – Size of Project ☒ Pass ☐ Fail

1,623 LF of 18-Inch RWM.

7.13. Project Information – Cost of Project ☒ Pass ☐ Fail

888,782.00

8. PROJECT DOCUMENTS

8.1. PROPOSERS BACKGROUND INFORMATION FORM* ☒ Pass ☐ Fail

1. Please download the attached document, complete all required fields, and upload the completed form here.

 [Proposers Background Information Form \(1\).xlsx](#)

 [8.1_Proposers_Background_Information_Form.pdf](#)

8.2. PROPOSAL SECURITY (BID BOND FORM OR CASHIER'S CHECK)* ☒ Pass ☐ Fail

1. A Proposal Security shall be in an amount not less than of 5% of the total cumulative base amount proposed.
2. Therefore, proposal should be accompanied by a certified or cashier's check or by a Bid Bond made payable to the City of Pembroke Pines on an approved form, duly executed by the Proposer as principal and having as surety thereon a surety company acceptable to CITY and authorized to write such Bond under the laws of the State of Florida.
3. Contingency is not to be counted in the total amount the proposal security is based on.
4. Proposers must submit a scanned copy of their bid security (bid bond form or cashier's check) with their bid submittal through OpenGov.
5. Proposers should also submit their original bid security (bid bond form or cashier's check) at time of the bid due date, or they may be deemed as non-responsive.
6. The original Bid Bond or Cashier's Check should be in a sealed envelope, plainly marked "**BID SECURITY - PSUT-26-02 30" PCCP Sewer Force Main Replacement** and sent to the City of Pembroke Pines, City Clerk's Office, 4th Floor, 601 City Center Way, Pembroke Pines, Florida, 33025.
7. Please see [SPECIAL TERMS & CONDITIONS](#) of this document for additional information.

 [8.2_Proposal_Security.pdf](#)

9. SWORN STATEMENT ON PUBLIC ENTITY CRIMES UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a)

9.1. SWORN STATEMENT ON PUBLIC ENTITY CRIMES FORM* ☒ Pass ☐ Fail

1. Please download the attached document, complete all required fields, and upload the completed form here.

 [Sworn Statement on Public Entity Crimes.pdf](#)

 [9.1_Sworn_Statement_on_Public_Entity_Crimes.pdf](#)

9.2. Public Entity Crimes Status* ☒ Pass ☐ Fail

- Which option did you select on the Sworn Statement on Public Entity Crimes Form:
 - A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.
 - B1) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)
 - B2) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND The person or affiliate was placed on the convicted vendor list.

There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

- B3) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND The person or affiliate has not been placed on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

A) No convictions.

9.3. Did you select option B1 or B2 above?*

☒ Pass ☐ Fail

No

9.4. Did you select option B3 above?*

☒ Pass ☐ Fail

No

10. DRUG-FREE WORKPLACE CERTIFICATION

10.1. VENDOR DRUG FREE WORKPLACE CERTIFICATION FORM*

☒ Pass ☐ Fail

1. Please download the attached document, complete all required fields, and upload the completed form here.

 [Vendor Drug-Free Workplace Certification Form.pdf](#)

 [10.1 Vendor Drug-Free Workplace Certification Form.pdf](#)

10.2. Drug-Free Status*

☒ Pass ☐ Fail

Complies fully.

11. STANDARD DOCUMENTS

The following documents are standard documents that the City generally requires for every solicitation. As a result, we recommend vendors to keep these documents updated and readily available so that they can be easily uploaded for each project that the vendor would like to participate in. In the event that the City does not have one of the forms or documents listed below for your company, the City may reach out to your company after the bid has closed to obtain the document(s).

11.1. NON-COLLUSIVE AFFIDAVIT*

☒ Pass ☐ Fail

1. Please download the attached document, complete all required fields, and upload the completed form here.

 [Non-Collusive Affidavit.pdf](#)

 [11.1 Non-Collusive Affidavit.pdf](#)

11.2. SCRUTINIZED COMPANY CERTIFICATION*

☒ Pass ☐ Fail

1. Please download the attached document, complete all required fields, and upload the completed form here.

 [Scrutinized Company Certification.pdf](#)

 [11.2 Scrutinized Company Certification.pdf](#)

11.3. E-VERIFY SYSTEM CERTIFICATION*

☒ Pass ☐ Fail

1. Please download the attached document, complete all required fields, and upload the completed form here.
2. Effective January 1, 2021, pursuant to Section 448.095, Florida Statutes, the City may not enter into a contract with a vendor/contractor/subcontractor unless that vendor/contractor/subcontractor is registered with and uses the E-Verify system administered by the U.S. Department of Homeland Security ("DHS").
3. Contractor shall also require all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the contract.

 [E-Verify System Certification Statement.pdf](#)

 [11.3 E-Verify System Certification Statement.pdf](#)

11.4. HUMAN TRAFFICKING AFFIDAVIT*

☒ Pass ☐ Fail

1. Please download the attached document, complete all required fields, and upload the completed form here.

 [Human Trafficking Affidavit.pdf](#)

 [11.4 Human Trafficking Affidavit.pdf](#)

12. VENDOR REGISTRATION

12.1. Do you currently have a City of Pembroke Pines Vendor Number registered in the PaymentWorks System?*

☒ Pass ☐ Fail

- The City of Pembroke Pines utilizes OpenGov as its e-Procurement platform for solicitation and bid submission purposes. However, please be advised that **vendor registration for onboarding and processing payments is handled separately** through the City's Accounts Payable Division using **PaymentWorks**, a secure online vendor management platform.
- All vendors that will be submitting invoices and requiring payments from the City are required to register on the PaymentWorks platform. If the vendor is not currently registered with the City via PaymentWorks and does not have a Vendor Number, the City will have to invite the vendor to register.
- For formal solicitations such as this project, the Procurement Department will send PaymentWorks registration invitations to vendor(s) who are under active consideration for award. Please be aware that not all vendors who submit proposals will receive an invitation, in order to manage system usage and avoid onboarding vendors who are unlikely to receive payments from the City.
- Invitations will typically be sent to the contact listed on the submitted Vendor Information Form.

No

12.2. VENDOR INFORMATION FORM*

☒ Pass ☐ Fail

1. Please download the attached document, complete all required fields, and upload the completed form here.

 [Vendor Information Form.pdf](#)

 [12.2 Vendor Information Form.pdf](#)

12.3. FORM W-9 (REVISED MARCH 2024)*

☒ Pass ☐ Fail

1. Please download the attached document, complete all required fields, and upload the completed form here.
2. Note - Please use the March 2024 version of the form as previously dated versions of this form may delay the processing of any payments to the selected vendor.

 [Form W-9 \(Rev March 2024\).pdf](#)

 [12.3 Form W-9.pdf](#)

13. OPTIONAL DOCUMENTATION

13.1. TRADE SECRETS

☐ Pass ☐ Fail

1. The Proposer's response to this solicitation is a public record pursuant to Florida law, which is subject to disclosure by the City under the State of Florida Public Records Law, Florida Statutes Chapter 119.07 ("Public Records Law"). The City shall permit public access to all documents, papers, letters or other material submitted in connection with this solicitation and the Contract to be executed for this solicitation, subject to the provisions of Chapter 119.07 of the Florida Statutes.
2. Any language contained in the Proposer's response to the solicitation purporting to require confidentiality of any portion of the Proposer's response to the solicitation, except to the extent that certain information is in the City's opinion a Trade Secret pursuant to Florida law, shall be void. If a Proposer submits any documents or other information to the City which the Proposer claims is Trade Secret information and exempt from Florida Statutes Chapter 119.07 ("Public Records Laws"), the Proposer shall clearly designate that it is a Trade Secret and that it is asserting that the document or information is exempt. The Proposer must specifically identify the exemption being claimed under Florida Statutes 119.07. The City shall be the final arbiter of whether any information contained in the Proposer's response to the solicitation constitutes a Trade Secret.
3. EXCEPT FOR CLEARLY MARKED PORTIONS THAT ARE BONA FIDE TRADE SECRETS PURSUANT TO FLORIDA LAW, DO NOT MARK YOUR RESPONSE TO THE SOLICITATION AS PROPRIETARY OR CONFIDENTIAL. DO NOT MARK YOUR RESPONSE TO THE SOLICITATION OR ANY PART THEREOF AS COPYRIGHTED. ALL DOCUMENTS THAT THE FIRM PURPORTS TO BE CONFIDENTIAL, PROPRIETARY OR A TRADE SECRET SHALL BE UPLOADED TO THE OPENGOV WEBSITE AS A SEPARATE ATTACHMENT, IN THIS SECTION, CLEARLY IDENTIFYING THE EXEMPTION BEING CLAIMED UNDER FLORIDA STATUTES 119.07.
4. The city's determination of whether an exemption applies shall be final, and the proposer agrees to defend, indemnify, and hold harmless the city and the city's officers, employees, and agent, against any loss or damages incurred by any person or entity as a result of the city's treatment of records as public records.

 [13.1, 13.2 & 13.3 Trade Secrets, Financials & Alt.pdf](#)

13.2. FINANCIAL STATEMENTS

☒ Pass ☐ Fail

1. The City is **NOT** requesting the vendor to submit any financial statements for this project and prefers if the vendor does not submit financial statements. In addition, if the City needs a copy of the vendor's financial statements, the City can contact the vendor after the bid due date to request those documents. However, if the vendor does submit the financial statements, they should be uploaded in this section.
2. Any claim of confidentiality on financial statements must be asserted at the time of submittal. The firm must identify the specific statute that authorizes the exemption from the Public Records Law. Please note that the financial statement exemption provided for in Section 119.071(1)c, Florida Statutes only applies to submittals in response to a solicitation for a "public works" project.

 [13.1, 13.2 & 13.3 Trade Secrets, Financials & Alt.pdf](#)

13.3. ALTERNATIVES

☒ Pass ☐ Fail

1. If you are submitting an alternative product, please upload any related information in this section (such as specification sheets, etc.).
2. In addition, pursuant to the **"Brand Names"** Section included in the GENERAL TERMS AND CONDITIONS Section if and wherever in the specifications a brand name, make, name of manufacturer, trade name, or vendor catalog number is mentioned, it is for the purpose of establishing a grade or quality of material only. Since the City does not wish to rule out other competition and equal brands or makes, the phrase "OR EQUAL" is added. However, if a product other than that specified is bid, Proposers shall indicate on their proposal and clearly state the proposed substitution and deviation. It is the vendor's responsibility to provide any necessary documentation and samples within their bid submittal to prove that the product is equal to that specified. Such samples are to be furnished before the date of bid opening, unless otherwise specified. Additional evidence in the form of documentation and samples may be requested if the proposed brand is other than that specified. The City retains the right to determine if the proposed brand shall be considered as an approved equivalent or not.

 [13.1, 13.2 & 13.3 Trade Secrets, Financials & Alt.pdf](#)

13.4. ADDITIONAL INFORMATION

☒ Pass ☐ Fail

1. Please provide any additional information that you deem necessary to complete your proposal in this section, if it has not been requested in another section.

 [13.4 Additional Information.pdf](#)

13.5. PROFESSIONAL LICENSES

☒ Pass ☐ Fail

1. If applicable, please upload any professional licenses that may be required to perform the services outlined in the solicitation. The following licensing requirements shall apply when the applicable Florida statute mandates specific licensing for Contractors engaged in the type of work covered by this solicitation.
 - A. State of Florida, Department of Professional Regulation, Construction Industries Licensing Board and licensed by other federal, state, regional, county or municipal agencies having jurisdiction over the specified construction work.
 - B. Said licenses shall be in the Firm's name as it appears on the OpenGov registration and as appropriately registered with the applicable licensing entity. Proposer shall supply appropriate license numbers, with expiration dates, as part of their bid. Failure to hold and provide proof of proper licensing, certification and registration may be grounds for rejection of the bid.
 - C. Subcontractors contracted by the Prime Contractor shall be licensed in their respective fields to obtain construction permits as necessary. Said licenses must be in the name of the subcontractor.

 [13.5 Licenses.pdf](#)

14. VENDOR CLASSIFICATION

14.1. Is your firm a Local Pembroke Pines Vendor (LPPV) and Local Broward County Vendor (LBCV)?*

☒ Pass ☐ Fail

1. The evaluation of competitive bids is subject to section 35.36 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to local businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with either of the following objective criteria as of the bid or proposal submission date stated in the solicitation. A local business shall be defined as:
 1. **"Local Pembroke Pines Vendor"** shall mean a business entity which has maintained a permanent place of business with full-time employees within the City limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the City of Pembroke Pines, **OR**;
 2. **"Local Broward County Vendor"** shall mean or business entity which has maintained a permanent place of business with full-time employees within the Broward County limits for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation. The permanent place of business may not be a post office box. The business location must actually distribute goods or services from that location. In addition, the business must have a current business tax receipt from the Broward County or the city within Broward County where the business resides.
2. A preference of five percent (5%) of the total evaluation point, or five percent (5%) of the total price, shall be given to the Local Pembroke Pines Vendor(s); A preference of two and a half percent (2.5%) of the total evaluation point for local, or two and a half percent (2.5%) of the total price, shall be given to the Local Broward County Vendor(s).

No

14.2. Is your firm a Veteran Owned Small Business (VOSB)?*

☒ Pass ☐ Fail

1. The evaluation of competitive bids is subject to section 35.37 of the City's Procurement Procedures which, except where contrary to federal and state law, or any other funding source requirements, provides that preference be given to veteran owned small businesses. To satisfy this requirement, the vendor shall affirm in writing its compliance with the following objective criteria as of the bid or proposal submission date stated in the solicitation.
2. A preference of two and a half percent (2.5%) of the total evaluation point, or two and a half percent (2.5%) of the total price, shall be given to the Veteran Owned Small Business (VOSB).

No

14.3. Is your firm a Minority-Owned Business Enterprise (MBE)?*

☒ Pass ☐ Fail

No

14.4. Is your firm a Woman-Owned Business Enterprise (WBE)?*

☒ Pass ☐ Fail

No

14.5. Is your firm a HubZone Business / Labor Surplus Area Firm?*

☒ Pass ☐ Fail

No

14.6. Is your firm a Broward County Small Business Enterprise (SBE)?*

☒ Pass ☐ Fail

No

14.7. Is your firm a Broward County Business Enterprise (CBE)?*

☒ Pass ☐ Fail

No

14.8. Is your firm a Broward County Disadvantaged Business Enterprise (DBE)?*

☒ Pass ☐ Fail

No

14.9. Does your firm have a Vendor Classification that was not listed above?*

☒ Pass ☐ Fail

No

PRICE TABLES

Schedule of Work

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Vendor N...
1	Mobilization / Demobilization	1	LS	\$280,000.00	\$280,000.00	
2	Erosion and Sedimentation Control	1	LS	\$5,000.00	\$5,000.00	
3	Maintenance of Traffic	1	LS	\$803,304.25	\$803,304.25	
4	Abandon-in-Place, Cut & Cap, Existing 30" FM	1	LS	\$41,835.00	\$41,835.00	
5	Remove and Dispose Existing 14" Abandoned FM	255	LF	\$33.25	\$8,478.75	
6	Remove and Dispose Existing 30" FM	270	LF	\$115.50	\$31,185.00	
7	Cured-in-Place Existing 8" VCP	2000	LF	\$75.00	\$150,000.00	
8	8" C900 PVC DR18 W/ Fittings	500	LF	\$66.00	\$33,000.00	
9	10" C900 PVC DR18 W/ Fittings	10	LF	\$1,337.00	\$13,370.00	
10	12" C900 PVC DR18 W/ Fittings	50	LF	\$362.00	\$18,100.00	
11	30" C900 PVC DR18 W/ Fittings	450	LF	\$432.00	\$194,400.00	
12	14" DIPS HDPE DR11 W/ Fittings	400	LF	\$122.00	\$48,800.00	
13	36" DIPS HDPE DR11 W/ Fittings	3800	LF	\$816.00	\$3,100,800.00	
14	8" Plug Valve	3	EA	\$4,666.00	\$13,998.00	

15	8" Check Valve	1	EA	\$6,144.00	\$6,144.00
16	12" Plug Valve	3	EA	\$7,003.00	\$21,009.00
17	30" Plug Valve	9	EA	\$41,615.00	\$374,535.00
18	36" Plug Valve	1	EA	\$62,003.00	\$62,003.00
19	30" Tapping Sleeve and Valve	2	EA	\$98,063.00	\$196,126.00
20	Offset ARV Assembly	1	EA	\$60,009.00	\$60,009.00
21	2" ARV Assembly	4	EA	\$15,518.00	\$62,072.00
22	4" ARV Assembly	5	EA	\$16,364.00	\$81,820.00
23	8' x 5' Precast Concrete Vault	1	EA	\$14,011.00	\$14,011.00
Total					\$5,620,000.00

Cost of Payment and Performance Bonds

Line Item	Description	Unit of Measure	Percentage	Vendor N...
24	Cost of Payment and Performance Bonds as a Percent	Percent	0.9%	

Schedule of Work				R.P. Utility and Excavation Corp		
Total:				\$5,620,000.00		
Line Item	Description	QTY	UoM	Unit Cost	Total	Vendor Notes
1	Mobilization / Demobilization	1	LS	\$280,000.00	\$280,000.00	
2	Erosion and Sedimentation Control	1	LS	\$5,000.00	\$5,000.00	
3	Maintenance of Traffic	1	LS	\$803,304.25	\$803,304.25	
4	Abandon-in-Place, Cut & Cap, Existing 30" FM	1	LS	\$41,835.00	\$41,835.00	
5	Remove and Dispose Existing 14" Abandoned FM	255	LF	\$33.25	\$8,478.75	
6	Remove and Dispose Existing 30" FM	270	LF	\$115.50	\$31,185.00	
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9	10" C900 PVC DR18 W/ Fittings	10	LF	\$1,337.00	\$13,370.00	
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20	Offset ARV Assembly	1	EA	\$60,009.00	\$60,009.00	
21	2" ARV Assembly	4	EA	\$15,518.00	\$62,072.00	
22	4" ARV Assembly	5	EA	\$16,364.00	\$81,820.00	
23	8' x 5' Precast Concrete Vault	1	EA	\$14,011.00	\$14,011.00	
Cost of Payment and Performance Bonds						
Line Item	Description	UoM		Percentage		Vendor Notes
24	Cost of Payment and Performance Bonds as a Percent	Percent		0.90%		



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

04/10/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Eastern Insurance Group, Inc. 7400 SW 50th Terrace Suite 100 Miami FL 33155	CONTACT NAME: Amanda Nogues PHONE (A/C, No, Ext): (305) 595-3323 E-MAIL ADDRESS: amanda.nogues@eigrisk.com FAX (A/C, No): (305) 595-7135																					
INSURED RP Utility & Excavation Corp dba RPU 17680 NW 78 Avenue, Ste 101 Hialeah FL 33015	<table><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A:</td><td>Travelers Indemnity Company of America</td><td>25666</td></tr><tr><td>INSURER B:</td><td>Travelers Property Casualty Company of America</td><td>25674</td></tr><tr><td>INSURER C:</td><td>Bridgefield Employers Insurance</td><td>10701</td></tr><tr><td>INSURER D:</td><td>Richmond National Ins Co</td><td>17103</td></tr><tr><td>INSURER E:</td><td></td><td></td></tr><tr><td>INSURER F:</td><td></td><td></td></tr></table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	Travelers Indemnity Company of America	25666	INSURER B:	Travelers Property Casualty Company of America	25674	INSURER C:	Bridgefield Employers Insurance	10701	INSURER D:	Richmond National Ins Co	17103	INSURER E:			INSURER F:		
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INSURER D:	Richmond National Ins Co	17103																				
INSURER E:																						
INSURER F:																						

COVERAGES**CERTIFICATE NUMBER:** Master 25-26**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC OTHER:			4T-CO-0P990363-TIA-25	07/06/2025	07/06/2026	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY ☒ ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY			810-2N531700-25-2S-G	07/06/2025	07/06/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 10,000			CUP-1P10248A-25-2S	07/06/2025	07/06/2026	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N ☒ Y	N/A	830-54603	06/16/2025	06/16/2026	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Excess of Lead Excess			RN-7-0513728	09/11/2025	07/06/2026	Each Occurrence \$5,000,000 Annual Aggregate \$5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

See overflow page for additional policy information.

CERTIFICATE HOLDER**CANCELLATION**

For Information Purposes Only

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

Page ____ of ____

AGENCY Eastern Insurance Group, Inc.		NAMED INSURED RP Utility & Excavation Corp dba RPU
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,****FORM NUMBER:** 25 **FORM TITLE:** Certificate of Liability Insurance: Notes

Pollution Liability
Carrier: Evanston Insurance Company
Policy Number: CPLMOL132791
Effective 7/6/2025 to 7/6/2026
Limits:
Each Contractor's Pollution Liability \$5,000,000
Aggregate Limit \$5,000,000

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bid Bond

CONTRACTOR:

(Name, legal status and address)

R.P. Utility & Excavation Corp.
17680 N.W. 78th Avenue, Suite 101
Hialeah, FL 33015

SURETY:

(Name, legal status and principal place of business)

FCCI Insurance Company
6300 University Parkway
Sarasota, FL 34240
Mailing Address for Notices

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER:

(Name, legal status and address)

City of Pembroke Pines
8300 South Palm Drive
Pembroke Pines, FL 33025

BOND AMOUNT: 5% Five Percent of Amount Bid

PROJECT:

(Name, location or address, and Project number, if any)

IFB # PSUT-26-02 30" PCCP Sewer Force Main Replacement.

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

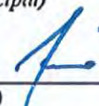
Signed and sealed this 2nd day of June, 2026.


(Witness)


(Witness) Elizabeth Kugler

R.P. Utility & Excavation Corp.
(Principal)

(Seal)

By: 
(Title)

FCCI Insurance Company
(Surety)

(Seal)

By: 
(Title) Jarrett Merlucci, Attorney-in-Fact
Surety Phone No. 800-226-3224



GENERAL POWER OF ATTORNEY

Know all men by these presents: That the FCCI Insurance Company, a Corporation organized and existing under the laws of the State of Florida (the "Corporation") does make, constitute and appoint:

Charles J. Nielson; David R. Hoover; Charles D. Nielson; Jarrett Merlucci

Each, its true and lawful Attorney-In-Fact, to make, execute, seal and deliver, for and on its behalf as surety, and as its act and deed in all bonds and undertakings provided that no bond or undertaking or contract of suretyship executed under this authority shall exceed the sum of (not to exceed \$30,000,000.00): \$30,000,000.00

This Power of Attorney is made and executed by authority of a Resolution adopted by the Board of Directors. That resolution also authorized any further action by the officers of the Company necessary to effect such transaction.

The signatures below and the seal of the Corporation may be affixed by facsimile, and any such facsimile signatures or facsimile seal shall be binding upon the Corporation when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached.

In witness whereof, the FCCI Insurance Company has caused these presents to be signed by its duly authorized officers and its corporate Seal to be hereunto affixed, this 23rd day of July, 2020.

Attest:

Christina D. Welch, President
FCCI Insurance Company



Christopher Shoucair,
EVP, CFO, Treasurer, Secretary
FCCI Insurance Company

State of Florida
County of Sarasota

Before me this day personally appeared Christina D. Welch, who is personally known to me and who executed the foregoing document for the purposes expressed therein.

My commission expires: 2/27/2027



PEGGY SNOW
Commission # HH 326535
Expires February 27, 2027

Notary Public

State of Florida
County of Sarasota

Before me this day personally appeared Christopher Shoucair, who is personally known to me and who executed the foregoing document for the purposes expressed therein.

My commission expires: 2/27/2027



PEGGY SNOW
Commission # HH 326535
Expires February 27, 2027

Notary Public

CERTIFICATE

I, the undersigned Secretary of FCCI Insurance Company, a Florida Corporation, DO HEREBY CERTIFY that the foregoing Power of Attorney remains in full force and has not been revoked; and furthermore that the February 27, 2020 Resolution of the Board of Directors, referenced in said Power of Attorney, is now in force.

Dated this 2nd day of June, 2020

Christopher Shoucair, EVP, CFO, Treasurer, Secretary
FCCI Insurance Company

CITY CLERK'S OFFICE
CITY OF PEMBROKE PINES

2026 JUN -1 PM 2:31

GENERAL & ENGINEERING CONTRACTORS

**Ave., Suite 101
FL 33015
66 Fax: 786-513-2924**

SECURITY

PSUT-26-02 30" PCCP SEWER FORCE MAIN REPLACEMENT

City of Pembroke Pines
City Clerk's Office
601 City Center Way
4th Floor
Pembroke Pines, FL 33025

Due Date: June 2, 2026 at 2:00 PM

Proposer's Background Information Form

#	Question	Response	Comment	Status
Contact Information				
1.1.1	Primary Contact: Please provide the contact information (Name, Title, E-mail and Phone Number) for the Primary Contact for this project.	Javier Garzon, CEO javier@rpucorp.com Tel. 786-577-6666	Additional Contact Victor G. Menocal, Senior Project Manager vmenocal@rpucorp.com Tel. 786-577-6666	Complete
1.1.2	Authorized Approver: Please provide the contact information (Name, Title, E-mail and Phone Number) for the Authorized Approver for this project.	Javier Garzon, CEO javier@rpucorp.com Tel. 786-577-6666		Complete
Organization Background				
1.2.1	Please state the year that you company started its business.	2011		Complete
1.2.2	Please state the year that your company started providing service under your current business name.	2011		Complete
1.2.3	What State is your Company Registered In?	Florida		Complete
Former Business				
1.3.1	Under what former name has your business operated? Include a description of the business.	N/A		Complete
1.3.2	At what address was that business located?	N/A		Complete
Past Failure				
1.4.1	Have you ever failed to complete work awarded to you. If so, when, where and why?	No		Complete
Inspected				
1.5.1	Have you personally inspected the proposed WORK and do you have a complete plan for its performance?	Yes		Complete
Subcontracting				
1.6.1	Will you subcontract any part of this WORK? If you will be subcontracting any part of this work, provide details including a list of each sub-contractor(s) that will perform work in excess of ten percent (10%) of the contract amount and the work that will be performed by each subcontractor(s). (Note: The proposed list of subcontractor(s) may not be amended after award of the contract without the prior written approval of the Contract Administrator, whose approval shall not be reasonably withheld.)	Yes	Centerline Directional Drilling Services - HDD Rangeline Tapping Service - PCCP and DIP Tapping	Complete
Bankruptcy Petitions				
1.7.1	List and describe all bankruptcy petitions (voluntary or involuntary) which have been filed by or against the Proposer, its parent or subsidiaries or predecessor organizations during the past five (5) years. Include in the description the disposition of each such petition.	N/A		Complete
Bond Claims				
1.8.1	List and describe all successful Bond claims made to your surety(ies) during the last five (5) years. The list and descriptions should include claims against the bond of the Proposer and its predecessor organization(s).	N/A		Complete
Claims, Arbitrations, Administrative Hearings and Lawsuits				
1.9.1	List all claims, arbitrations, administrative hearings and lawsuits brought by or against the Proposer or its predecessor organizations(s) during the last (10) years. The list shall include all case names; case, arbitration or hearing identification numbers; the name of the project over which the dispute arose; and a description of the subject matter of the dispute.	N/A		Complete
Criminal Proceedings or Hearings				

1.10.1	List and describe all criminal proceedings or hearings concerning business related offenses in which the Proposer, its principals or officers or predecessor organization(s) were defendants.	N/A		Complete
Company Classification				
1.11.1	In regards to the commodities/services proposed, which of the following best classifies your firm? If you selected any options besides \"Original Provider\" please explain.	Original Provider		Complete
Debarment/Suspension				
1.12.1	Have you ever been debarred or suspended from doing business with any governmental agency? If you have been debarred or suspended from doing business with any governmental agency, please explain.	No		Complete
Similar Experience & Contracts				
1.13.1	Describe the firm's local experience/nature of service with contracts of similar size and complexity, in the previous three (3) years.	See attached	See attached project experience sheets.	Complete
Professional License Information				
1.14.1	Are professional licenses required to perform the services requested in this solicitation? If so, please list any applicable professional licenses that your company has that are required to provide these services.	Applicable	General Contractor - CGC1530444 Underground Utility & Excavation Contractor - CUC1224965 Plumbing Contractor- CFC1431755	Complete
Conflict of Interest				
1.15.1	Do you need to disclose any conflicts of interest? The award of any contract hereunder is subject to the provisions of Chapter 112, Florida Statutes. Proposers must disclose with their Proposal the name of any officer, director, partner, proprietor, associate or agent who is also an officer or employee of CITY or any of its agencies. Further, all Proposers must disclose the name of any officer or employee of CITY who owns, directly or indirectly, an interest of five percent (5%) or more in the Proposer's firm or any of its branches or affiliate companies.	No		Complete
19 Questions			100.00% Complete	



**SWORN STATEMENT
ON PUBLIC ENTITY CRIMES
UNDER FLORIDA STATUTES CHAPTER 287.133(3)(a).**

1. This sworn statement is submitted R.P. Utility & Excavating Corp.
(name of entity submitting sworn statement) whose business address is
17680 NW 78th Avenue, Suite 101, Hialeah, FL 33015
and (if applicable) its Federal Employer Identification Number (FEIN) is
45-2742507. (If the entity has no FEIN, include the Social Security
Number of the individual signing this sworn statement: _____.)
2. My name is Javier Garzon and my
(Please print name of individual signing)

relationship to the entity named above is CEO.
3. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
4. I understand that a "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
5. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The Cityship by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a



joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

6. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
7. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)
- ☒ A) Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.
- ☐ B) The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)
- ☐ B1) There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. **(Please attach a copy of the final order.)**
- ☐ B2) The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. **(Please attach a copy of the final order.)**
- ☐ B3) The person or affiliate has not been placed on the convicted vendor list. **(Please describe any action taken by or pending with the Department of General Services.)**


Bidder's Name/Signature

R.P. Utility & Excavation Corp.
Company

05/29/26
Date



VENDOR DRUG-FREE WORKPLACE CERTIFICATION FORM

SECTION 1 GENERAL TERM

Preference may be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991. The special condition is as follows:

IDENTICAL TIE BIDS - Preference may be given to businesses with drug-free workplace programs. Whenever two or more bids that are equal with respect to price, quality, and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drugfree workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after each conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

SECTION 2 AFFIRMATION

☒ Place a check mark here only if affirming bidder **complies fully** with the above requirements for a Drug-Free Workplace.

☐ Place a check mark here only if affirming bidder **does not** meet the requirements for a Drug-Free Workplace.

Failure to complete this certification at this time (by checking either of the boxes above) shall render the vendor ineligible for Drug-Free Workplace Preference. This form must be completed by/for the proposer; the proposer WILL NOT qualify for Drug-Free Workplace Preference based on their sub-contractors' qualifications.

Authorized Signature

Javier Garzon, CEO

Authorized Signer Name

R.P. Utility & Excavation Corp.

Company Name



NON-COLLUSIVE AFFIDAVIT

BIDDER is the

Officer

(Owner, Partner, Officer, Representative or Agent)

BIDDER is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

Such Bid is genuine and is not a collusive or sham Bid;

Neither the said BIDDER nor any of its officers, partners, owners, agents, representative, employees or parties in interest, including this affidavit, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communications, or conference with any BIDDER, firm, or person to fix the price or prices in the attached Bid or any other BIDDER, or to fix any overhead, profit, or cost element of the Bid Price or the Bid Price of any other BIDDER, or to secure through any collusion conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

The price of items quoted in the attached Bid are fair and proper and are not tainted by collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

Printed Name/Signature _____

Title


CEO

Name of Company R.P. Utility & Excavation Corp.



**SCRUTINIZED COMPANY CERTIFICATION
PURSUANT TO FLORIDA STATUTE § 287.135.**

I, Javier Garzon, CEO, on behalf of R.P. Utility & Excavation Corp.,
Print Name and Title Company Name
certify that R.P. Utility & Excavation Corp.:
Company Name

1. Does not participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel list; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over \$1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

R.P. Utility & Excavation Corp.
Company Name

Javier Garzon
Print Name / Signature

CEO
Title



E-VERIFY SYSTEM CERTIFICATION STATEMENT (UNDER SECTION 448.095, FLORIDA STATUTES)

1. Definitions:

- a. **“Contractor”** means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration. “Contractor” includes, but is not limited to, a vendor or consultant.
- b. **“Subcontractor”** means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.
- c. **“E-Verify system”** means an Internet-based system operated by the United States Department of Homeland Security that allows participating employers to electronically verify the employment eligibility of newly hired employees.

2. Effective January 1, 2021, Contractors, shall register with and use the E-verify system in order to verify the work authorization status of all newly hired employees. Contractor shall register for and utilize the U.S. Department of Homeland Security’s E-Verify System to verify the employment eligibility of:

- a. All persons employed by a Contractor to perform employment duties within Florida during the term of the contract; and
- b. All persons (including subvendors/subconsultants/subcontractors) assigned by Contractor to perform work pursuant to the contract with the City of Pembroke Pines. The Contractor acknowledges and agrees that registration and use of the U.S. Department of Homeland Security’s E-Verify System during the term of the contract is a condition of the contract with the City of Pembroke Pines; and
- c. Should vendor become the successful Contractor awarded for the above-named project, by entering into the contract, the Contractor shall comply with the provisions of Section 448.095, Fla. Stat., “Employment Eligibility,” as amended from time to time. This includes, but is not limited to registration and utilization of the E-Verify System to verify the work authorization status of all newly hired employees. Contractor shall also require all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The Contractor shall maintain a copy of such affidavit for the duration of the contract.

3. Contract Termination

- a. If the City has a good faith belief that a person or entity with which it is contracting has knowingly violated s. 448.09 (1) Fla. Stat., the contract shall be terminated.
- b. If the City has a good faith belief that a subcontractor knowingly violated s. 448.095 (2), but the Contractor otherwise complied with s. 448.095 (2) Fla. Stat., shall promptly notify the Contractor and order the Contractor to immediately terminate the contract with the subcontractor.
- c. A contract terminated under subparagraph a) or b) is not a breach of contract and may not be considered as such.
- d. Any challenge to termination under this provision must be filed in the Circuit Court no later than 20 calendar days after the date of termination.
- e. If the contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of 1 year after the date of termination.

R.P. Utility & Excavation Corp.

COMPANY NAME: _____

Javier Garzon, CEO

PRINTED NAME / AUTHORIZED SIGNATURE: _____



AFFIDAVIT OF COMPLIANCE WITH HUMAN TRAFFICKING LAWS

In accordance with section 787.06 (13), Florida Statutes, the undersigned, on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury that:

1. The Affiant is an officer or representative of the Entity entering into an agreement with the City of Pembroke Pines.
2. The Entity does not use coercion for labor or services as defined in Section 787.06, Florida Statutes, entitled "Human Trafficking".
3. The Affiant is authorized to execute this Affidavit on behalf of the Entity.
4. I understand that I am swearing or affirming under oath to the truthfulness of the claims made in this affidavit and that the punishment for knowingly making a false statement includes fines and/or imprisonment.
5. Pursuant to Sec. 92.525(2), Fla. Stat., under penalties of perjury, I declare that I have read the foregoing affidavit of compliance with Human Trafficking Laws and that the facts stated in it are true.

FURTHER AFFIANT SAYETH NAUGHT.

DATE: 05/29/26

ENTITY: R.P. Utility & Excavation Corp.

SIGNATURE: 

NAME: Javier Garzon

TITLE: CEO



VENDOR INFORMATION FORM

MAIN CONTACT INFORMATION				
Company Name (Legal Name as filed with IRS)	R.P. Utility & Excavation Corp.			
Doing Business As (DBA)	RPU			
Primary Business Address	17680 NW 78th Avenue			
	Suite 101			
	City:	Hialeah		
	State:	FL	Zip:	33015
	Country:	USA		
Remit To Address	17680 NW 78th Avenue			
	Suite 101			
	City:	Hialeah		
	State:	FL	Zip:	33015
	Country:	USA		
Order From Address				
	City:			
	State:		Zip:	
	Country:			
Foreign Entity (Yes/No)	No			
Telephone Number	786-577-6666			
Primary Company E-mail	estimating@rpucorp.com			
Fax	786-513-2924			
Website	www.rpucorp.com			
DUNS	068294811			
Independent Contractor (Yes/No)	No			
Identification Number	SSN:	N/A	FID:	N/A

GENERAL PAYMENT TERMS		
Discount Percent Defines the discount percentage the vendor extends to your organization.	Days to Discount Number of days which payment must be received to claim the discount percent.	Days to Net Number of days that the vendor allows before requiring net payment.
0	0	Net 30

CONTACT # 1	
Contact Name (First & Last Name)	Javier Garzon
Description/Title/Position	CEO
Phone (Voice)	786-577-6666
Phone (Text)	305-992-37003
Fax	786-513-2924
E-mail	javier@rpucorp.com

STATE REGISTRATION	
Is your company registered with the State of Florida? (Y/N)	Yes
If not, what state is your company registered in?	Florida

Please attach the print out from <https://dos.myflorida.com/sunbiz/> or the appropriate state showing your active registration and any applicable fictitious names that are registered.

**Request for Taxpayer
Identification Number and Certification**

Go to www.irs.gov/FormW9 for instructions and the latest information.

**Give form to the
requester. Do not
send to the IRS.**

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.) R.P. Utility & Excavation Corp.	
	2 Business name/disregarded entity name, if different from above. RPU	
	3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. ☐ Individual/sole proprietor ☐ C corporation ☒ S corporation ☐ Partnership ☐ Trust/estate ☐ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. ☐ Other (see instructions) _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ (Applies to accounts maintained outside the United States.)
	3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions ☐	
	5 Address (number, street, and apt. or suite no.). See instructions. 17680 NW 78th Avenue, Suite 101	Requester's name and address (optional)
6 City, state, and ZIP code Hialeah, FL 33015		
7 List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

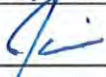
Social security number	
or	
Employer identification number	

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person 	Date 5-11-26
------------------	--	---------------------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

March 12, 2026

R.P. UTILITY & EXCAVATION CORP.
17680 NW 78TH AVENUE
HIALEAH, FLORIDA 33015

RE: CERTIFICATE OF QUALIFICATION

The Department of Transportation has qualified your company for the type of work indicated below.

FDOT APPROVED WORK CLASSES:

DRAINAGE, GRASSING, SEEDING AND SODDING, SIDEWALK, Curb & Gutter, Lift Station, Underground Utilities (Water & Sewer).

Unless notified otherwise, this Certificate of Qualification will expire **6/30/2027**.

In accordance with Section 337.14(1), Florida Statutes, an application for qualification must be filed within (4) months of the ending date of the applicant's audited annual financial statements.

If the company's maximum capacity has been revised, it may be accessed by logging into the Contractor Prequalification Application System via the following link:

[HTTPS://fdotwpl.dot.state.fl.us/ContractorPreQualification](https://fdotwpl.dot.state.fl.us/ContractorPreQualification)

Once logged in, select "View" for the most recently approved application, and then click the "Manage" and "Application Summary" tabs.

The company may apply for a Revised Certificate of Qualification at any time prior to the expiration date of this certificate according to Section 14-22.0041(3), Florida Administrative Code (F.A.C.), by accessing the most recently approved application as shown above and choosing "Update" instead of "View." If certification in additional classes of work is desired, documentation is needed to show that the company has performed such work.

All prequalified contractors are required by Section 14-22.006(3), F.A.C., to certify their work underway monthly in order to adjust maximum bidding capacity to available bidding capacity. You can find the link to this report at the website shown above.

Sincerely,

A handwritten signature in black ink that reads "James E. Taylor II". The signature is written in a cursive, flowing style.

James E. Taylor II, Prequalification Supervisor
Contracts Administration Office

JTII



April 10, 2026

RP Utility & Excavation Corp.

RE: Experience Modification Rate

To Whom It May Concern:

The Experience Modification Rate (EMR) effective June 16th, 2025, for the insured is 0.82. Below is a three-year summary of their Experience Modification Rates:

Rating Effective Date	Experience Mod Rate
6/16/2024	0.84
6/16/2023	0.85
6/16/2022	0.83

If you have any questions or need further information, please feel free to contact our office at (305) 595-3323.

Sincerely,

A handwritten signature in black ink, appearing to be "AN" or similar, written in a cursive style.

Amanda Nogues-Fernandez
Account Executive



February 26, 2026

RE: R.P. UTILITY & EXCAVATION CORP.

To Whom It May Concern:

This is to advise you that our office provides Bid, Performance and Payment Bonds for R.P. Utility & Excavation Corp. Their Surety is FCCI Insurance Company, which carries an A.M. Best Rating of A XII and is listed in the department of the Treasury's Federal Register.

Based upon normal and standard underwriting criteria at the time of the request, we should be in a position to provide Performance and Payment Bonds in the amount of \$50,000,000 for single size projects and \$100,000,000 total bonding capacity. It must be understood; however, that we reserve the right to review all contractual documents prior to final commitment to issue any bonds.

R.P. Utility & Excavation Corp. is an excellent contractor and we hold them in high regard. We feel extremely confident in them and encourage you to offer them an opportunity to execute the above referenced project.

This letter is not an assumption of liability, nor is it a bid or performance and payment bond. It is issued only as a bonding reference requested by our respected client.

Sincerely,

ACRISURE

A handwritten signature in blue ink, appearing to be "J. Merlucci", followed by a horizontal line.

Jarrett Merlucci
Resident Agent

June 1, 2026

Daniel Deleon
Procurement Department
8300 South Palm Drive
Pembroke Pines, FL 33025

**REF: IFB PSUT-26-02, 30" PCCP Sewer Force Main Replacement
Financial Statement**

Whom It May Concern:

R.P. Utility & Excavation Corp. (RPU) hereby acknowledges and agrees to the requirements set forth in Sections 13.1, 13.2, and 13.3 of the solicitation documents and provides the following response:

Section 13.1 – Trade Secrets

RPU understands that all materials submitted in response to this solicitation are subject to the Florida Public Records Law, Chapter 119, Florida Statutes, and may be disclosed by the City in accordance with applicable law.

RPU is not submitting any information, documents, or materials that are claimed to be confidential, proprietary, or exempt from disclosure as trade secrets under Chapter 119, Florida Statutes. Accordingly, no separate attachment containing trade secret or confidential information has been provided with this proposal.

RPU further acknowledges that the City shall have sole authority to determine the applicability of any exemption from public disclosure and agrees to comply with all requirements contained in the solicitation regarding public records and trade secret claims.

Section 13.2 – Financial Statements

RPU acknowledges that the City is not requesting financial statements as part of this solicitation and prefers that such documents not be submitted. In accordance with these instructions, RPU has not included financial statements with this proposal.

Should the City require financial information for purposes of evaluating the RPU's qualifications, responsibility, or financial capacity, RPU will provide such information upon request following the proposal due date.

Because no financial statements have been submitted, RPU is not asserting any claim of confidentiality or exemption from public disclosure related to financial information.

Section 13.3 – Alternatives

RPU does not offer any alternative products, materials, equipment, manufacturers, or substitutions as part of this submission. The proposal is based upon compliance with the requirements, specifications, and standards identified in the solicitation documents.

Accordingly, no alternative product information, substitution requests, specification sheets, or supporting documentation are included with this proposal.

RPU remains committed to furnishing all materials, equipment, and services in accordance with the solicitation requirements and will provide any additional information requested by the City during its evaluation process.

Thank you for your consideration.

Regards,



Javier Garzon | CEO

17680 NW 78th Avenue, Suite 101, Hialeah, FL 33015

786.577.6666 office | 786.513.2924 fax

State of Florida

Department of State

I certify from the records of this office that R.P. UTILITY & EXCAVATION CORP is a corporation organized under the laws of the State of Florida, filed on July 11, 2011, effective July 11, 2011.

The document number of this corporation is P11000062856.

I further certify that said corporation has paid all fees due this office through December 31, 2026, that its most recent annual report/uniform business report was filed on January 18, 2026, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Sixteenth day of February,
2026*




Secretary of State

Tracking Number: 6050835719CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Search by Entity Name](#) /

Detail by Entity Name

Florida Profit Corporation

R.P. UTILITY & EXCAVATION CORP

Filing Information

Document Number	P11000062856
FEI/EIN Number	45-2742507
Date Filed	07/11/2011
Effective Date	07/11/2011
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	06/11/2015
Event Effective Date	NONE

Principal Address

17680 NW 78TH AVENUE
SUITE 101
HIALEAH, FL 33015

Changed: 07/11/2016

Mailing Address

17680 NW 78TH AVENUE
SUITE 101
HIALEAH, FL 33015

Changed: 07/11/2016

Registered Agent Name & Address

GARZON, JAVIER
17680 NW 78TH AVENUE
SUITE 101
HIALEAH, FL 33015

Name Changed: 01/22/2019

Address Changed: 01/09/2017

Officer/Director Detail

Name & Address

Title P, Officer

PEREZ, RAIDEL
17680 NW 78TH AVENUE
SUITE 101
HIALEAH, FL 33015

Title CEO

GARZON, JAVIER
17680 NW 78TH AVENUE
SUITE 101
HIALEAH, FL 33015

Title Executive Secretary, Officer

PEREZ, YAMILDE
17680 NW 78TH AVENUE
SUITE 101
HIALEAH, FL 33015

Annual Reports

Report Year	Filed Date
2023	01/16/2023
2024	01/15/2024
2025	01/22/2025

Document Images

01/22/2025 -- ANNUAL REPORT	View image in PDF format
01/15/2024 -- ANNUAL REPORT	View image in PDF format
01/16/2023 -- ANNUAL REPORT	View image in PDF format
01/25/2022 -- ANNUAL REPORT	View image in PDF format
01/06/2021 -- ANNUAL REPORT	View image in PDF format
01/13/2020 -- ANNUAL REPORT	View image in PDF format
01/22/2019 -- ANNUAL REPORT	View image in PDF format
01/15/2018 -- ANNUAL REPORT	View image in PDF format
01/09/2017 -- ANNUAL REPORT	View image in PDF format
01/18/2016 -- ANNUAL REPORT	View image in PDF format
06/11/2015 -- Amendment	View image in PDF format
02/06/2015 -- ANNUAL REPORT	View image in PDF format
02/06/2014 -- ANNUAL REPORT	View image in PDF format
04/08/2013 -- Amendment	View image in PDF format
02/16/2013 -- ANNUAL REPORT	View image in PDF format
02/06/2012 -- ANNUAL REPORT	View image in PDF format
01/20/2012 -- Amendment	View image in PDF format
07/11/2011 -- Domestic Profit	View image in PDF format

PROJECT EXPERIENCE

MIAMI-DADE WATER & SEWER DEPARTMENT

36-INCH FORCE MAIN ALONG NW 42ND AVENUE FROM E. 57TH STREET TO SOUTH OF NW 128TH STREET – CONTRACT S-20072R



CLIENT

Miami Dade Water & Sewer Dept.
3071 SW 38 Ave, Miami, FL 33146
Christian Espinoza
Christian.Espinoza@miamidade.gov
Tel. (786) 552-4421

ENGINEER

Kimley-Horn
2 Alhambra Plaza, Suite 500
Coral Gables, FL 33134
Juan Jimenez, P.E.
Juan.Jimenez@kimley-horn.com
Tel. (305) 673-2025

PROJECT START/COMPLETION

August 2025 / July 2026

INITIAL / FINAL COST

\$8,477,782.82 / TBD

KEY STAFF

Javier Garzon, Principal-In-Charge
Victor G. Menocal, Senior Project Manager
Ivan Herrera, Construction Manager
Raidel Perez, Superintendent
Jose Armando Lopez, Foreman

RPU

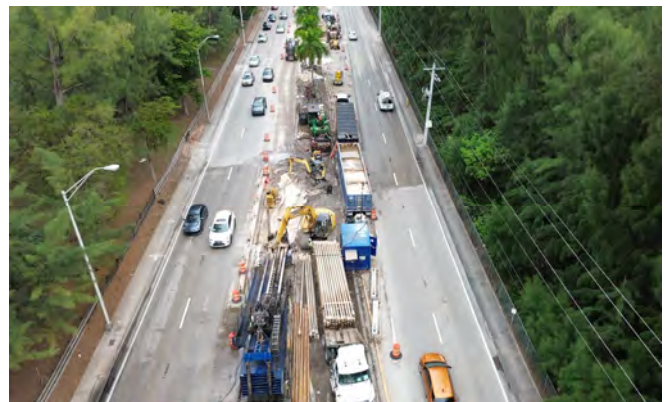
GENERAL & ENGINEERING
CONTRACTORS

Project Description

The Project consists of furnishing and installing approximately 5,115 LF of 36-inch inside diameter force main along NW 42 Avenue (LeJeune Rd) from East 57 St to NW 128 St.

- 25 LF of 42-inch PVC C900 DR18 pipe force main with fittings via open; 300 LF of 36-inch PVC C900 DR18 force main with fittings via open; 50 LF of 20-inch PVC C900 DR18 force main with fittings via open cut;
- 4,800 LF of 42-inch HDPE PE4710 IPS DR11 force main via HDD;
- Four plug valves and one access manhole;
- One tapping connection to an existing 48-inch sewage force main including furnishing and installing a tapping sleeve (stainless steel) and tapping valve;
- One connection to an existing 42-inch sewage force main via a 42"x36" tapping sleeve and valve.
- One cut-in connection to an existing 36-inch sewage force main using a 36-inch line stop with bypass.

This project is currently running at 60% complete. 4,800 LF has been installed. This project is along Lejeune Road and has an extensive MOT.



CITY OF MIRAMAR

RECLAIMED WATER SYSTEM EXPANSION

WEST OF I-75 AND DYKES ROAD – IFB NO. 23-012



CLIENT

City of Miramar
2300 Civic Center Place
Miramar, FL 33025
Eric Francois
efrancois@miramarfl.gov
Tel. (954) 602-3309

ENGINEER

EAC Consulting, Inc.
5959 Blue Lagoon Drive, Suite 410
Miami, FL 33126
Jenner M. Alfaro, P.E.
jalfaro@eacconsult.com
Tel. (305) 265-5400

PROJECT START/COMPLETION

June 2023 – May 2025

INITIAL / FINAL COST

\$6,845,228.00 / \$6,548,670.46

KEY STAFF

Javier Garzon, Principal-In-Charge
Raidel Perez, Superintendent
Victor G. Menocal, Sr. Project Manager
Ivan Herrera, Construction Coordinator

RPU

GENERAL & ENGINEERING
CONTRACTORS

Project Description

Project consisted of the installation of 31,000 LF of 10" and 14" HDPE Reclaimed Water Pipeline via Horizontal Directional Drill and pipe connections to existing reclaimed water main at Dykes Road, Bass Creek and SW 184th Avenue. The Project scope will serve the area bounded by Pembroke Road to the North, SW 184th Avenue to the West, Miramar Parkway to the South, and SW 160th to the East, in Miramar, Florida. The proposed expansion will cap service connection to existing properties for future connection.

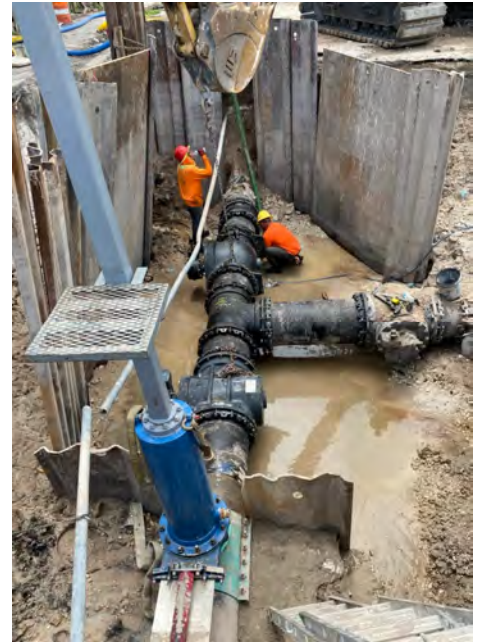
The project includes approximately 81 Gate Valves ranging from 4" to 12", 12 Fire Hydrants, 16 Meter Assemblies, and the restoration of the work which includes hardscape improvements, swales reconstruction and trench restoration.



CITY OF FORT LAUDERDALE

DESIGN/BUILD SERVICES FOR NW 13TH STREET

PHASE I FORCE MAIN – PROJECT NO. 12388



CLIENT

CES Construction
880 SW 145th Avenue, Suite 106
Pembroke Pines, FL 33027
Ernesto Cano
ecano@cesconstruct.com
Tel. (305) 310-5389

ENGINEER

CES Consultants
880 SW 145th Avenue, Suite 106
Pembroke Pines, FL 33027
Ernest Z. Cano
ecano@cesconstruct.com
Tel. 305-310-5389

PROJECT START/COMPLETION

June 2020 – July 2021

INITIAL / FINAL COST

\$2,295,986.50 / \$2,295,986.50

KEY STAFF

Javier Garzon, Principal-In-Charge
Victor G. Menocal, Sr. Project Manager
Raidel Perez, Superintendent
Alphonso Brown, MOT

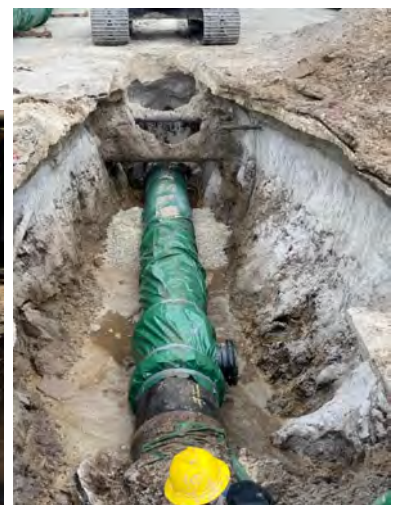
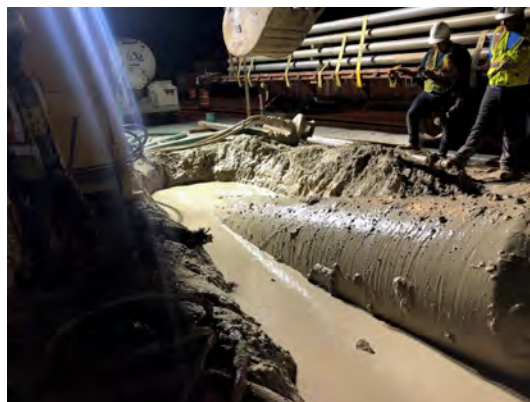
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GENERAL & ENGINEERING
CONTRACTORS

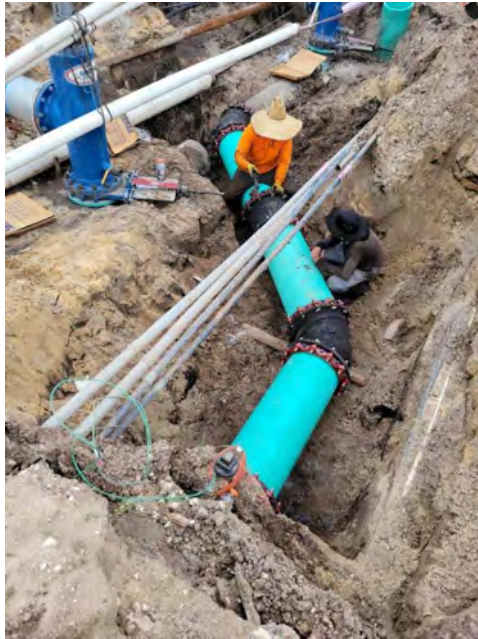
Project Description

This project was a Design/Build project which consisted of the installation of approximately 2,414 LF of new 36-inch HDPE DR11 and 720 LF of 30-inch DIP force main under Northwest 13th Street by horizontal directional drilling (HDD). The project connected to the existing 24-Inch Force main along Powerline Road to an interconnection to an existing 20-Inch Force Main along North Andrews Avenue. There were interconnections to two existing 14-Inch force mains along NE 13th Street at NW 1st Avenue and NW 2nd Avenue.

Additionally, the project included the installation of a new plug valve and piping near NE 14th Avenue and 11th Street to replace the existing inoperable valve and providing isolation (line stop) to perform the tie-in. This work was necessary to divert flows away from the work area on NW 13th Street between Powerline Road and North Andrews Avenue.



TOHOPEKALIGA WATER AUTHORITY (TOHO) TWA CELEBRATION 16-INCH FORCE MAIN REHABILITATION IFB-20-119



CLIENT

Tohopekaliga Water Authority
951 MLK Jr. Blvd,
Kissimmee, FL 34741
Edwin Matos
Ematos@tohowater.com
Tel. 407-944-5000

ENGINEER

Tetra Tech
5201 W. Kennedy Boulevard, Suite 620
Tampa, FL 33609
Janine Alexander
janine.alexander@tetrattech.com
Tel. 321-388-5178

PROJECT START/COMPLETION

September 2020 / December 2021

INITIAL / FINAL COST

\$2,299,999.99 / \$2,246,384.72

KEY STAFF

Javier Garzon, Principal-In-Charge
Victor G. Menocal, Sr. Project Manager
Raidel Perez, General Superintendent

Project Description

This project consisted of the installation of approximately 4,600 LF of 20" HDPE DR11 via Horizontal Directional Drill and approximately 900 LF of 16" DR-18 PVC via open cut including the installation of 6 ARVs. The work also included the abandonment of the existing 16" DIP wastewater force main with grout for the full length of approximately 5,500 LF.



RPU

GENERAL & ENGINEERING
CONTRACTORS

CITY OF OVIEDO

OVIEDO BOULEVARD RECLAIMED WATER MAIN EXTENSION

BID NO. 25-20



CLIENT

City of Oviedo
400 Alexandria Blvd.,
Oviedo, FL 32765
Mala Persaud, E.I.
mpersaud@cityofoviedo.net
Tel. 407-971-5652

ENGINEER

CHA
5201 W. Kennedy Boulevard, Suite 620
Tampa, FL 33609
Lawrence Rolle
lrolle@chasolutions.com
Tel. 407-947-6178

PROJECT START/COMPLETION

June 2025 / December 2025

INITIAL / FINAL COST

\$888,782.00 / \$879,716.68

KEY STAFF

Javier Garzon, Principal-In-Charge
Victor G. Menocal, Sr. Project Manager
Cahli Masiarczyk, Construction Manager

Project Description

The project consists of a new 18-inch reclaimed water main within the right-of-way of Oviedo Boulevard. The new main will connect to the existing 16-inch reclaimed water main located south of the Oviedo Gym and Aquatic Facility in the western right of way. The new reclaimed water main will extend north approximately 1,623 linear feet within the Oviedo Boulevard western right-of-way and terminate approximately 50 feet south of the future CR 419 right of way (East Broadway Street). The project was installed via HDD and open cut.

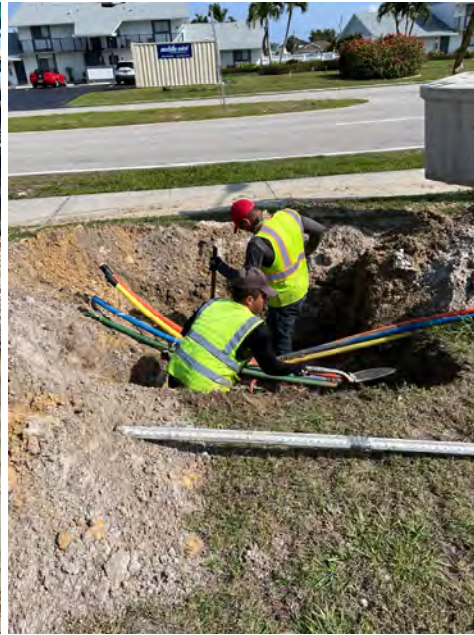


RPU

GENERAL & ENGINEERING
CONTRACTORS

CITY OF CAPE CORAL

GLEASON PARKWAY INSTALLATION FIBER OPTICS CONDUIT AND FORCE MAIN - #BUT2347KR



CLIENT

City of Cape Coral
1015 Cultural Park Blvd.
Cape Coral, FL 339900
Jody R. Daubenberger
jdaubenb@capecoral.gov
Tel. 239-242-3440 Ext. 3440

ENGINEER

AECOM
20 N. Orange Avenue, Suite 1100
Orlando, FL 32801
Kurt Ahlgrim, P.E.
Kurt.Ahlgrim@aecom.com
Tel. 407-843-6552

PROJECT START/COMPLETION

November 2023 / December 2024

INITIAL / FINAL COST

\$3,040,272.00 / \$2,979,001.40

KEY STAFF

Javier Garzon, Principal-In-Charge
Victor G. Menocal, Sr. Project Manager
Aaron Basabe, Project Manager

Project Description

The project consists of the construction and installation of approximately 7,500 feet of a 6-inch force main along Gleason Parkway to connect the Southwest Plant to the Everest Plant. These included 2 tie-ins, 10 plug valves and 6 ARVs. The work was performed via directional drill and open cut. This included the installation of an aerial crossing at Courtney Canal.

The installation of 10,500 feet of 4 HDPE Fiber Optic Conduits via Directional Drilling and Open Cutting with 35 pull boxes and fiber optic markers.

Additionally, the project consisted of the installation of approximately 580 feet of 3-inch irrigation main, 270 feet of 4-inch irrigation main, installation of approximately 250 feet of 4-inch irrigation main, and the relocation of approximately 200 feet of 6-inch Sanitary Force main along Gleason Parkway from Chiquita Boulevard to Santa Barbara Boulevard.



RPU

GENERAL & ENGINEERING
CONTRACTORS

TOWN OF DAVIE

PROPOSED 16-INCH FORCE MAIN FROM PUMP STATION NO. 1 TO SW 30TH STREET – BID B-16-96



CLIENT

Town of Davie
4351 SW 30 Street, Davie, FL 33314
Don Bayler
don_bayler@davie-fl.gov
Tel. (954) 327-3742

ENGINEER

Calvin, Giordano & Associates, Inc.
6591 Orange Drive, Davie, FL 33024
Bryan Williams
BWilliams@cgsolutions.com
Tel. (954) 448-5828

PROJECT START/COMPLETION

June 2017 to December 2017

INITIAL / FINAL COST

\$1,142,000.00 / \$1,104,279.38

KEY STAFF

Javier Garzon, Principal-In-Charge
Raidel Perez, Superintendent
Alphonso Brown, MOT
Fred Ward, Safety Manager

Project Description

The project consisted of 16" Force main for both directional drill and open cut. There were approximately 2,500 LF of open cut 16-Inch DIP Force Main, 2,100 LF of 18-inch HDPE FM via HDD and 136 LF of 20-inch HDPE FM via HDD. This included the installation of 5 ARVs with Manholes, concrete restoration and asphalt restoration. The project was located within portions of SE 3rd Avenue, SE 3rd Street and SE 5th Avenue Right-of-Way's; and within Meadowbrook Lakes Condominium Association.

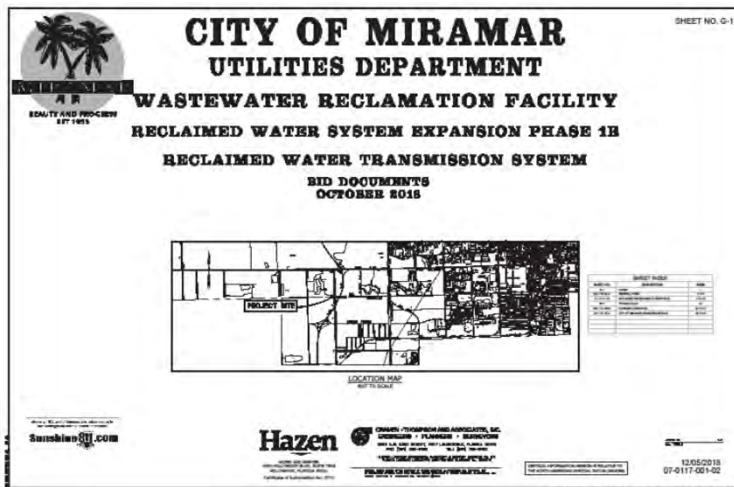


RPU

GENERAL & ENGINEERING
CONTRACTORS

CITY OF MIRAMAR

RECLAIMED WATER SYSTEM EXPANSION PHASE 1B, RECLAIMED WATER TRANSMISSION SYSTEM – ITB 19-002



CLIENT

City of Miramar
2300 Civic Center Place
Miramar, FL 33025
Eric Francois
efrancois@miramarfl.gov
Tel. (954) 602-3309

ENGINEER

Craven Thompson & Associates, Inc.
3563 NW 53rd Street
Fort Lauderdale, FL 33309
Don Shaver
dshaver@craventhompson.com
Tel. (954) 739-6409

PROJECT START/COMPLETION

June 2019 – November 2019

INITIAL / FINAL COST

\$1,689,799.99 / \$1,422,066.24

KEY STAFF

Javier Garzon, Principal-In-Charge
Raidel Perez, Superintendent
Alphonso Brown, MOT
Fred Ward, Safety Manager

RPU

GENERAL & ENGINEERING
CONTRACTORS

Project Description

Project consisted of the installation of 2700 LF of 30" HDPE Reclaimed Water Pipeline via Horizontal Directional Drill and pipe connections to existing reclaimed water main at SW 145th Avenue and connection to Phase 1A reclaimed water main. The project location is bounded by east bound Pembroke Road between SW 145th Avenue and approximately 500' west of I-75 overpass.

The project included 21 LF of 16" DIP reclaimed water main, 440 LF of 24" DIP reclaimed water main, 2,700 LF of 30" HDPE DR11 reclaimed water main, 1 each of 16" Gate Valve, 2 each of 24" Gate Valves, hardscape restoration, milling, resurfacing, and pavement markings.



SUBCONTRACTOR 'S



Directional Drilling Service, Inc.

P.O. Box 2705 LaBelle, FL 33975 ♦ P: 863.674.0913 ♦ F: 863.674.0912 ♦ E: cdirectionaldrilling@hotmail.com

LICENSE#: CUC1225062

INTRODUCTION

Centerline Directional Drilling Service, Inc. (CDDS, Inc.) started operation in 1999, and is an Underground Utility Contractor that specializes in Horizontal Directional Drilling for the past 24 years. Centerline Directional Drilling Service, Inc. specializes in the installation of underground and underwater conduits for electric, fiber optic, gas, sewer, water, etc.

CDDS, Inc. has worked across the state of Florida with contractors that include the following but not limited to: David Mancini & Sons, Inc., Amici Engineering Contractors., Metro Equipment Service, Westra Construction, R.P Utility Excavation., etc.

EQUIPMENT

Centerline Directional Drilling Service, Inc. is equipped with Rigs from 36,000 to 660,000 lbs. Pull back that include but are not limited to: American Auger DD1100RS (200,000 ft-lbs of breakout torque and 1 Million lbs. of push/pull power), DD-660T American Auger Track-Mounted HDD Maxi Rig (660,000 lbs. Pull Back), two (2) DD-440 American Augers Track Mounted Directional Drilling Rig (440,000 lbs. Pull Back), DD-220 American Auger (220,000 lbs. Pull Back), D330x500 Vermeer, 240x500 Vermeer, two (2) D100x140 Vermeer's, two (2) D100x120 Series II Vermeer's, D60x90 Vermeer, two (2) D40x55 Vermeer, two (2) D36x50II Vermeer, D24x40A Vermeer, etc.

Centerline Directional Drilling Service, Inc.'s equipment and tool inventory consists of various sizes of excavators, three (3) Tulsa TT660 Mud Model #MP660 mud pumps (660 gallons per minute capacity), two (2) American Auger MCR-1000 Mud Recyclers (Capacity of cleaning 1,000 gallons per minute), Mud Tech Pump MPT-475 (10,000 gallons Capacity), two (2) R9x12T Vermeer Mud Mixing Systems (800 gallons per minute), two (2) Tulsa Mud Reclaimers (800 gallons per minute), Weatherford Mud Pump (650 gallons per minute), smaller mud pump machines, backhoes, vacuum trucks, light towers, mud motors (drilling pilot hole(s)) 12" to 74" hole openers, reamers, etc.

MISSION STATEMENT

Guided by Centerline Directional Drilling Service, Inc. accomplished CEO & President, Lauro Acevedo has engaged his 50 employees to become not only a specialized team, but visionary professional leaders that use their knowledge and good worth ethic to meet if not excel in completing diverse projects. Our Client's satisfaction is what we strive to accomplish no matter the size of the project.

REFERENCES

Centerline Directional Drilling Service, Inc. strives to exceed our client's satisfaction no matter the project size. Over the years we have several completed projects and enclosed are some of our references.



Qualification & Experience

License #: CUC1225062

Prime Contractor	Project Manager	Project Manager Information	HDD Project Name	Pipe Size	Length	Date Completed
David Mancini & Sons, Inc. 3401 N. Miami Avenue (#214) Miami, FL 33127	David Mancini Jr.	(754) 264-9594 dmancinijr@dmsi.com	NE 25th Avenue 24-Inch Force Main Replacement & NE 38th St 42-Inch FM & NE 19th Avenue 24-Inch Force Main Replacment Design- Build RFP 99 PO# 23-FL.GOLF PO#32	1-30" Directional Bore HDPE 1-24" Directional Bore	1,781 LF 470 LF	Work In Progress
David Mancini & Sons, Inc. 3401 N. Miami Avenue (#214) Miami, FL 33127	David Mancini Jr.	(754) 264-9594 dmancinijr@dmsi.com	Design Build 48" Water Transmission Main for the Prospect Lake Clean Water Center PO# 24-FL.WM48 PO#7	1-54" Directional Bore HDPE	1,899 LF 1,338 LF	Work In Progress
Garney Construction 370 East Crown Point Rd Winter Garden, FL 34787	Patrick Kelly	(321) 438-7652 pkelly@garney.com	FL-SIPS - GREENLAND 3 Job# 2387	1-36" Directional Bore 1-36" Directional Bore 1-30" Directional Bore 1-36" Directional Bore 1-36" Directional Bore 1-36" Directional Bore 1-36" Directional Bore	1,690 LF 1,000 LF 849 LF 1,925 LF 2,250 LF 2,267 LF 1,484 LF 1,695 LF	Work In Progress
K3 Directional Drilling, Inc. 8526 SW Kansas Avenue Stuart, FL 34997	Lewis Krantz	(772) 284-0774 lewis@k3directionaldrilling.com	Shoppes at Tradition Project# 24081	1-42" Directional Bore	100 LF	Jul-24
Metro Equipment Services, Inc. 9415 SW 72nd St (Suite 150) Miami, FL 33173	Nico Serrano	(305) 33-5646 Nico@mesinc.us	Golden Gate City Transmission WM Improvements Phase 1B Subcontract# 23-04-05	1-30" Directional Bore HDPE 1-24" Directional Bore HDPE 1-24" Directional Bore HDPE 1-24" Directional Bore HDPE 1-30" Directional Bore HDPE 1-30" Directional Bore HDPE 1-30" Directional Bore HDPE	900 LF 540 LF 1,472 LF 1,277 LF 1,294 LF 1,300 LF 1,208 LF	Jun-24

Prime Contractor	Project Manager	Project Manager Information	HDD Project Name	Pipe Size	Length	Date Completed
Sylvester Excavating, Inc. 571 Paul Morris Englewood, FL 34223	James Sylvester	(941) 475-3388 jimsylexc@gmail.com	Diplomat Pkwy E Project# 200-08309-20007	1-24" Directional Bore HDPE	2,000 LF	May-24
K3 Directional Drilling, Inc. 8526 SW Kansas Avenue Stuart, FL 34997	Lewis Krantz	lewis@k3directionaldrilling.com	Simpson Rd Project# 23147	1-30" Directional Bore casing w/ 16" casing 1-42" Directional Bore casing w/ 30" carrier	1,450 LF 1,486 LF	May-24
K3 Directional Drilling 8526 SW Kansas Avenue Stuart, FL 34997	Lewis Krantz	(772) 284-0774 lewis@k3directionaldrilling.com	Simpson Rd. Project#23147	1-30" Directional Bore 1-42" Directional Bore	1450 LF 1486 LF	Mar-24
David Mancini & Sons, Inc. 3401 N. Miami Avenue (#214) Miami, FL 33127	David Mancini Jr.	(754) 264-9594 dmancinijr@dmsi.com	Design Build 30" Water Main Pump Station A-16 Upgrade (Court House) PO# 22-FL.30WM PO#03	1-36" Directional Bore HDPE	720 LF	Aug-23
Archer Western 4343 Anchor Plaza Parkway Suite 155 Tampa, FL 33634	Thomas Ruedinger	(813) 810-2106 truedinger@walshgroup.com	Southeast WWTP Improvements & Expansion Zephyrhills, FL Contract: 09/12/2022	1-30" Directional Bore 1-20" Directional Bore	1,021 LF 408 LF	Jul-23
AMICI Engineering Contractors, Inc 10621 SW 139TH Street Miami, FL 33175	Juan Barreneche	(954)650-4699 juanb@amici.com	Reclaimed Water Transmission Main - Caloosahatchee River Crossing Contract: 12/12/2022	1-24" Directional Bore	7,630 LF	Jun-23
David Mancini & Sons, Inc. 3401 N. Miami Avenue (#214) Miami, FL 33127	David Mancini Jr.	(754) 264-9594 dmancinijr@dmsi.com	Venetian Causeway Water & Sewer Replacement Phase 1, Miami Beach Contract: 10/20/2022	1-12" Directional Bore 1-36" Directional Bore	2,237 LF 2,238 LF	Apr-23
Lanzo Construction Co. FL 125 SE 5th Court Deerfield Beach, FL	Prajwal Aditya	(954)719-5949 PrajwalA@lanzo.org	Contract W-20044 via RTQ- 00298-Emergency Directional Drill of 36" HDPE Watson Island, Miami Beach, FL Contract: 11/14/2022	1-36" Directional Bore	3,182' LF	Feb-23
Garney Construction 370 East Crown Point Rd Winter Garden, FL 34787	Patrick Kelly	(321) 438-7652 pkelly@garney.com	FL-623B: Thermal Utility System Improvement Project, Gainesville, FL (Turnpike I-95) Contract: 6/4/2021	1-36" Directional Bore 1-36" Directional Bore 1-14" Directional Bore 1-14" Directional Bore	1,200 LF 1,200 LF 660 LF 660 LF	Aug-22

Prime Contractor	Project Manager	Project Manager Information	HDD Project Name	Pipe Size	Length	Date Completed
AMICI Engineering Contractors, Inc 10621 SW 139TH Street Miami, FL 33176	Juan Barreneche	(954)650-4699 juanb@amiciec.com	PGA Phase II Watermain Extension Project, Kyoto Gardens Drive. (US 1) Palm Beach Gardens, FL Contract: 1/24/2022	1-42" Directional Bore	1,200 LF	Jul-22
Andrew Sitework, LLC 2211 Palm Ave. Ft. Myers, FL 33916	Brian Brandfass	(239) 226-1606 brian@andrewsitework.com	Summerlin Road force Main & Fiesta Village WWTP Reuse Main Upgrades Phase-1, Ft. Myers, FL Contract: 1/17/2022	1-30" Directional Bore 1-30" Directional Bore 1-20" Directional Bore 1-20" Directional Bore	1,787 LF HDPE 1,498 LF HDPE 530 LF 530 LF	Jul-22
AMICI Engineering Contractors, Inc 10621 SW 139TH Street Miami, FL 33176	Juan Barreneche	(954)650-4699 juanb@amiciec.com	Dade Blvd Emergency Force Main Replacement, Miami Beach, FL Contract: 1/24/2022	1-20" Directional Bore 1-20" Directional Bore 1-10" Directional Bore	1,300 LF 2,200 LF 212 LF	Jun-22
David Mancini & Sons, Inc. 3401 N. Miami Avenue (#214) Miami, FL 33127	David Mancini Jr.	(754) 264-9594 dmancinjr@dmsi.com	Pump Station B-4 Redundant Force Main Design Build	28" Directional Bore	1,125 LF HDPE 1,700 LF HDPE 1,200 LF HDPE	Dec-21
Southern Underground: Industries 1454 SW 13th Ct. Pompano Beach, FL	Michael Green	(954) 303-8341 michaelg@southernundergroundindustries.com	Redundant New Force Main From P.S 016 to South Bayou WRF, Seminole, FL	42" Directional Bore	830 LF 766 LF 573 LF 750 LF 1,242 LF	Jun-21
PWC Joint Venture LLC 5256 Summerline Commons Way Suite 203 Bldg # 2 Fort Myers, FL 33907	Maria Adames	(239) 270-5907 madames@pwc-llc.com	Livingston Rd FM Phase 6B-C Owner Project# ITB 20-7774	1-24" Directional Bore	2,787 LF	Apr-21
R.P. Utility & Excavation Corp. 17680 NW 78TH Ave Suite#101 Hialeah, FL 33015	Javier Garzon	O:(786) 577-6666 C: (305) 992-3703 javier@rpucorp.com	NW 13TH Street Phase 1 FM Replacement Fort Lauderdale, FL	36" Directional Bore	800 LF HDPE 1,300 LF HDPE	Mar-21
David Mancini & Sons, Inc. 3401 N. Miami Avenue (#214) Miami, FL 33127	David Mancini Jr.	(754) 264-9594 dmancinjr@dmsi.com	19-FL.EM54 54-Inch Break Repair Rio Vista (Tarpon River) Force Main Crossing	54" Directional Bore	1,800 LF HDPE 1,664 LF HDPE 2,400 LF HDPE 3,080 LF HDPE 1,150 LF HDPE	Feb-21
Garney Construction 370 East Crown Point Rd Winter Garden, FL 34787	Dan Smolik	(407) 832-2291 dsmolik@garney.com	FL-Bartram WTR Cons Jacksonville, FL	30" Directional Bore	513 LF HDPE 1,529 LF HDPE 1,935 LF HDPE 1,811 LF HDPE	Nov-20



North American Society for Trenchless Technology (NASTT)

2024 No-Dig Show

Providence, Rhode Island

April 14-18, 2024

MM-T2-01

Design and Construction of World Record 7,650-foot FPVCP HDD in Florida

Kate Wallin, Bennett Trenchless Engineers, LLP, Folsom, CA

Mary Neher, PE, Bennett Trenchless Engineers, LLP, Folsom, CA

David Bennett, PE, Bennett Trenchless Engineers, LLP, Folsom, CA

Juan Barreneche, PE, Amici Engineering Contractors, Wesley Chapel, FL

Bill Sperry, PE, City of Cape Coral (retired), Cape Coral, FL

1.0 ABSTRACT

The Caloosahatchee Connect project involved a collaboration between the cities of Cape Coral (City) and Fort Myers on the southwestern coast of Florida. The City's portion of the overall project scope included construction of approximately 7,650 linear feet (LF) of reclaimed water pipeline beneath the Caloosahatchee River and an additional approximately 7,000 LF of open-cut construction to connecting the subaqueous crossing to the City's city-wide irrigation system at the Everest Water Reclamation Facility (EWRf). The project is intended to divert approximately 6 to 12 MGD of reclaimed quality wastewater generated by the City of Fort Myers from being discharged into the lower reaches of the Caloosahatchee River. The reclaimed wastewater received by the City will be used to supplement its irrigation needs thereby reducing withdrawals from the freshwater canals in Cape Coral. This paper addresses the design and construction of the world-record length horizontal directional drilled (HDD) installation of 24" fusible polyvinyl chloride pipe (FPVCP).

Design challenges included extensive analysis of various methods to construct a pipeline across the Caloosahatchee River with the eventual decision being made to use the horizontal directional drill (HDD) method; multiple subaqueous geotechnical borings; highly constrained work areas on both sides of the river crossing; constrained easements across the river requiring complicated bore geometry; maintenance of traffic flow around the pipe layout area along a busy thoroughfare in a residential neighborhood; and extensive permitting requirements required by both the US Army Corps of Engineers and Florida Department of Environmental Protection. In addition, the design required extensive conductor casing and analysis to mitigate the risk posed by thick surficial layers of weak soils presenting a high risk of both bore instability and inadvertent drilling fluid releases. Construction of the project began in late March 2023 with the installation of conductor casings on both sides of the crossing, and pullback of the pipe was successfully completed in June 2023. A key element to the success of the project was the collaboration between the design team, the City, the contractor, and the pipe manufacturer to identify and mitigate risks throughout the project.

2.0 PROJECT OVERVIEW

The City's city-wide irrigation system provides irrigation water for residential properties as well as commercial landscaping operations while still supplying flow to a limited number of fire hydrants and commercial fire sprinkler systems. The primary water source for this system is from the extensive freshwater canal system within the City and is supplemented by reclaimed water from the City's two wastewater reclamation facilities. Increased irrigation usage due to population growth and recurring droughts required the City to explore other means to supplement the reclaimed water supply sources to help prevent overdrawing the freshwater canals. In 2018, the City entered into an agreement with the City of Fort Myers for what would become known as the Caloosahatchee Connect Project. The project's goal was to construct a pipeline capable of transmitting up to 12 MGD from the City of Fort Myers's South Advanced Wastewater Treatment Facility (AWTF), on the east side of the river, connecting to the City's irrigation system at the EWRF, on the west side of the river, as shown in Figure 1. This would require an approximate 7,650 LF pipeline to be constructed beneath the Caloosahatchee River. The City of Fort Myers was responsible for improvements to their AWTF and construction of the pipeline from their AWTF to the connection point on the eastern side of the river just south of the Midpoint Bridge. The City of Cape Coral was responsible for improvements to their EWRF and construction of the pipeline from their EWRF across the river to the connection point. The agreement not only provided a supplementary source of reclaimed water to Cape Coral, but also significantly reduced wastewater discharges to the Caloosahatchee River, improving water quality within the river and several downstream estuaries.

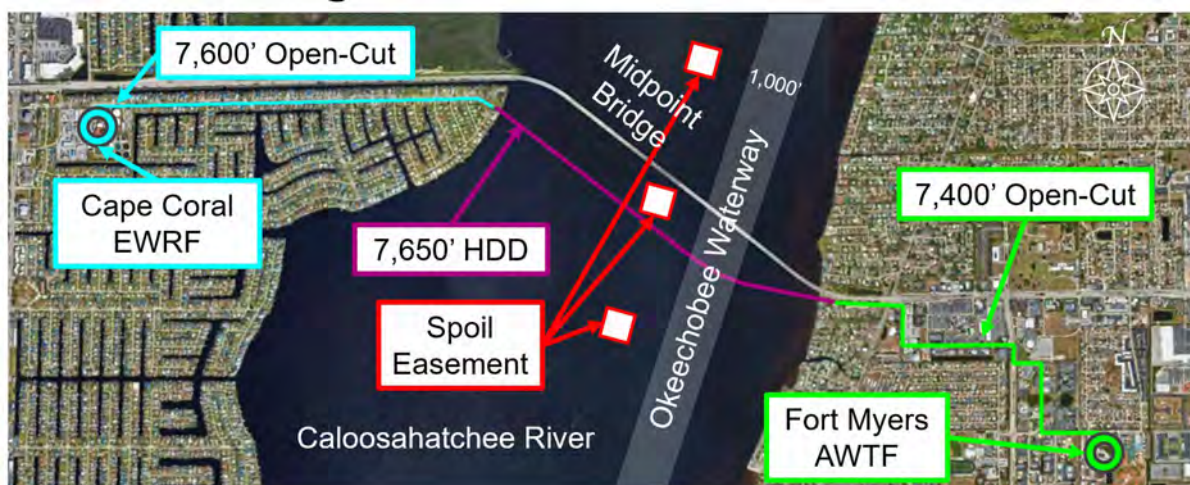


Figure 1. Aerial Photo of Caloosahatchee Connect Project Area Showing Various Components of Pipeline. Cyan: Open-Cut Pipeline Installation and Facility Upgrades (City of Cape Coral). Magenta: HDD Crossing (City of Cape Coral). Green: Open-Cut Pipeline Installation and Facility Upgrades (City of Fort Myers). Red: USACE Easement

The design of the Cape Coral portion of the project was awarded to Cardno, Inc., now Stantec, (Prime), Bennett Trenchless Engineers (HDD Design), GFA International (Geotech), Cella Molnar (Public Information), and Johnson Engineering (Permitting). Due to numerous factors, the EWRF plant improvements and the open-cut portion from the EWRF to the City's Horton Park were bid as one package (shown in cyan in Figure 1). The construction of the HDD work from Horton Park to the point of connection on the east side of the river (magenta in Figure 1) was bid and constructed under a separate construction contract. This paper focuses on the HDD portion of the project.

3.0 PROJECT CONSTRAINTS AND ALIGNMENT SELECTION

In addition to the challenges presented by the length of the subaqueous trenchless crossing, several site constraints within the river added complexity to the project. The Midpoint Bridge lies within the project area and is supported by multiple deep pile foundations. It was important that the HDD alignment avoid negatively impacting the bridge foundations either by direct contact, settlement, soil deformations, or inadvertent drilling fluid release. The future widening of the Midpoint Bridge also had to be taken into consideration. The 1,000-foot-wide Okeechobee Waterway (OWW), a US Army Corps of Engineers managed shipping channel, runs along the eastern side of the Caloosahatchee River. The OWW supports a high volume of ship and boat traffic within the relatively shallow river, and therefore no vessels can be anchored within the OWW for safety reasons. Lastly, several perpetual spoil easements are located within the Caloosahatchee west of the OWW at approximately the mid-point of the river (Figure 1, red). This easement is used by the Army Corps for disposal of dredge spoils in their maintenance of the OWW; the permanent easement for the pipeline could not infringe on the Army Corps easement.

The preferred location for the western end of the crossing was within the City of Cape Coral's Horton Park. As shown in Figure 2 (left), the park is comprised of an open area with a playground structure, various picnic gazebos, a restroom, and a boat ramp with an associated parking lot. The playground and gazebos were recent improvements in the park and the City required that they not be removed or damaged by the project. Similarly, the City wanted to minimize impacts to the boat ramp since it is heavily used during all seasons by their residents. Finally, the park provides habitat to burrowing owls which are a protected species in Florida. During nesting season, the owls cannot be relocated; existing burrows can only be collapsed outside of the nesting season to prevent owls reestablishing a burrow. A minimum 30-foot buffer must be maintained around active burrows until the baby owls have matured enough to fly. Not only are the owls protected by the Florida Department of Environmental Protection, but they are also adored by the locals; minimizing impacts to the owls would be important for maintaining good relations with the nearby residents.

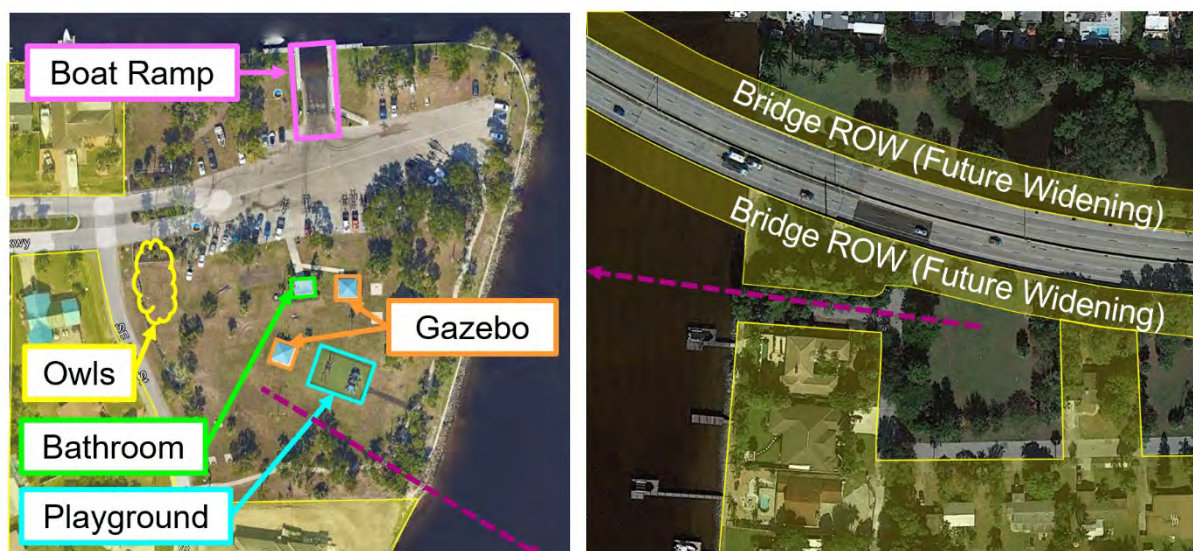


Figure 2. Left: Western End of HDD Crossing Located within Horton Park in Cape Coral. Right: Eastern End of the HDD Crossing Located within Publicly Owned Land in Fort Myers.

The western end of the crossing had the potential for staging the pipe string along Everest Parkway, which was also the open-cut work area (shown in cyan in Figure 1). The long,

straight road had adequate space to fabricate the entire pipe string, however, due to the angle of the preferred alignment into Horton Park, the pipe would need to bend through approximately 37 degrees of deflection through an approximately 700-foot radial horizontal curve at the surface as it was pulled into the bore. In addition, Everest Parkway is the sole access road for the neighborhood, so minimizing traffic impacts was a primary concern for the design team.

The preferred location for the eastern end of the crossing was in a publicly owned parcel within the San Pedro neighborhood, as shown in Figure 2 (right). Although the open area provided ample space for HDD equipment, a narrow easement corridor between the bridge right-of-way and the residential properties to the south restricted the options for the HDD alignment. The selected alignment needed to thread the needle through this narrow easement window. Additionally, there was insufficient space to fabricate and layout the pipe string on the eastern end of the crossing, so it was selected to be the primary rig location with pipe layout staged on the western side of the river.

The recommended alignment for the HDD crossing is shown in Figures 1 and 2. The planned alignment required a horizontal curve to allow for the specific angles required by the site constraints at the entry and exit locations, as well as maintain adequate clearance from the bridge footings and spoil easement. The horizontal curve was in the eastern portion of the central tangent section of the HDD bore to reduce pipe stresses induced by compound curves.

4.0 GEOTECHNICAL CONDITIONS

The design team used a phased geotechnical investigation for increased efficiency and to focus the geotechnical investigation to mitigate the anticipated risks. The Midpoint Bridge, constructed in the early 1990's, had conducted a thorough geotechnical investigation comprised of 38 borings up to 120 feet deep. A supplemental geotechnical investigation included an additional twelve (12) 120-foot-deep borings: one boring at each of the entry and exit locations, and 10 subaqueous borings across the river. Based on the historical and the site-specific geotechnical data, the subsurface conditions were modeled as a three-layer system, as shown in Figure 4. The upper layer was described as approximately 17 to 36 feet of very loose to loose silty fine sand with blow counts per foot ranging from weight-of-hammer (WOH) to 16. The middle layer was 20 to 34 feet of very soft to stiff marine clay with blow counts per foot ranging from 2 to over 20, averaging 4. The final, deepest layer was modeled as dense to very dense, silty, fine sand (blow counts per foot ranging from 22 to over 100, averaging 55) with some cementation and shell fragments and fine layers of weathered limestone. Unweathered limestone was only encountered at the eastern-most boring on land at the very bottom of the boring. Due to the anticipated risks of high drilling fluid pressure which could lead to inadvertent drilling fluid releases (IDFRs) during the very long crossing, the lower, dense to very dense sand layer was identified as the preferred soil layer for most of the crossing.

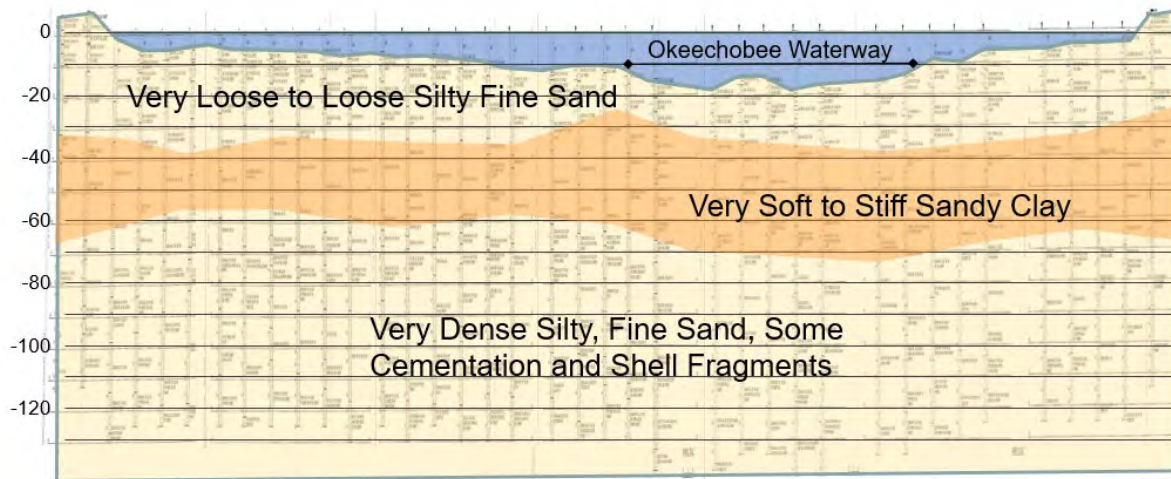


Figure 3. Geotechnical Profile of the Caloosahatchee River Crossing

5.0 DESIGN

5.1 PIPE MATERIAL

The pipe materials considered for the HDD crossing included direct installation of HDPE, FPVC, or coated and lined steel pipe, as well as installation of a steel casing with a FPVC or HDPE carrier pipe inside. During preliminary design, steel pipe installed as either a casing or as the product pipe was discarded as a viable alternative due to the constructability issues posed by the tight bend radius near the pipe insertion point. Similarly, pullback load and pipe stress analyses indicated that the HDPE currently available on the market was not feasible to install for an HDD crossing of this length. Therefore, 24-inch DR 18 FPVC was selected as the preferred pipe material to satisfy the performance requirements of the pipeline and to withstand the installation loads and stresses. The longest HDD installation of FPVC using HDD prior to this project was 7,020 feet, approximately 600 feet shorter than the proposed crossing.

5.2 INADVERTENT DRILLING FLUID RELEASE (IDFR) RISK EVALUATION

This project had a high risk of IDFRs due to the length of the crossing and the very weak surficial soils. Because the project required a US Army Corps of Engineers permit to cross beneath the river, it was imperative that the design package submitted with the permit application show diligent efforts to limit the risk of IDFRs into the river. Calculations for hydrofracture risk, pullback loads, and pipe stresses were conducted for various potential bore geometries to identify the optimal elevation while minimizing the risk of either damaging the pipe during pullback or releasing drilling fluid into the river. The Delft Model was used to estimate maximum allowable drilling fluid pressure within the three-layer geotechnical model as described by Bennett and Wallin, (2008). Using assumptions regarding anticipated contractor means and methods to estimate actual downhole drilling fluid pressures, the calculations indicated an elevated risk of hydrofracture while the bore was in the upper sand and clay layers – approximately 60 to 70 feet below entry and exit. To mitigate the risk of IDFRs in the river, the design specified 14° entry and exit angles to quickly get through the weak upper layers; required use of the intersect drilling method; required that a mud engineer be present on site during all drilling operations; and required approximately 300-foot conductor casings at both ends of the crossing. In addition to mitigating the risk of drilling fluid loss, the conductor casings also prevented hole collapse in the upper weak surficial soil layers. Supporting the bore near entry was of specific concern on the western end of the crossing in

Horton Park (Figure 2, left) where there were several overlying existing facilities and a new residence approximately 40 feet offset from the HDD alignment, as can be seen in Figure 2.

5.3 TRAFFIC CONTROL

One of the primary logistical considerations for the project was how to fabricate, support, and protect the pipe string prior to and during pullback. The western end of the crossing is located on a peninsula within a heavily populated residential neighborhood. As shown in Figure 4, Everest Parkway is the sole access for the residential area where the project was located. The road has one traffic lane and one bike lane on either side of a landscaped median. The pipe layout area had to be selected such that it did not impede residential traffic, delivery trucks, landscaping crews, emergency services, and school buses. All the side streets to the South of Everest Parkway do not have a secondary access available to their homes if the median crossovers along Everest Parkway are blocked.



Figure 4. Pipe Layout on Everest Parkway. Traffic at Critical Intersections (Green) Maintained During Drilling. Horizontal Bend Required during Pullback (Cyan).

Three pipe staging areas, each approximately 2,500 to 3,000 feet in length, were identified on the north side of the Everest Parkway median. The breaks in pipe layout were located at key intersections to allow for U-turns to access homes on the northern side of the road (Figure 4, green). In addition to traffic concerns, the pipe would need to transition through a horizontal curve as it entered Horton Park on the surface during pullback. The project specifications included pipe support calculations and detailed drawings as part of the HDD submittal to demonstrate the contractor's plan to restrain and protect the pipe from being damaged from over-stressing during installation.

5.4 PRE-QUALIFICATION

The design team prepared a Request for Pre-Qualification for Horizontal Directional Drilling Specialty Contractors (Pre-Qualification package) for the Cape Coral's Reclaimed Water Transmission Main Caloosahatchee River Crossing project. The Pre-Qualification package was publicly advertised with submittals received from interested contractors approximately three months prior to the initial bid package being presented for consideration. A very important aspect of the Pre-Qualification package was the potential horizontal directional drilling (HDD) contractor's experience on projects of similar size and complexity. The requested information was as follows:

- Projects with a single HDD bore length of at least 5,000 linear feet (minimum of two (2) project descriptions).
- Projects with a single HDD bore length of at least 3,000 linear feet of plastic pipe (HDPE or FPVC) (minimum of three (3) project descriptions).
- Projects with a pipe diameter equal to or greater than 24-inches that was installed using the HDD method (minimum of five (5) project descriptions).
- Projects where the HDD intersect method was used to complete the pilot bore (minimum of three (3) project descriptions).
- HDD projects where the guidance system used to drill the pilot bore was a gyroscope or a magnetic tool supplemented with a micro-coil (minimum of two (2) project descriptions).
- HDD projects where a horizontal curve was drilled as a part of the planned bore geometry (minimum of two (2) project descriptions).

The potential contractors were also required to present information on the general makeup of the company, leadership team's qualifications, staff qualifications, licensing requirements, financial stability, bonding information, present and anticipated workload, accessibility of equipment, availability of crews, legal history, environmental records, OSHA records, and references.

Proposals were received and evaluated by the City and the Engineer based on, but not limited to, the following general evaluation criteria:

- General Background Information
- Construction Experience on Projects of Similar Size and Complexity
- Financial Submittal
- Record of Performance on Health, Safety, and OSHA Record
- Legal History
- Insurability and Bonding Information
- Licensing Requirements
- References
- Overall Responsiveness

All submitting contractors were notified of their Pre-qualification status. Only the pre-qualified contractors were issued the initial solicitation package necessary to prepare a quotation for the horizontal directional drill work beneath the Caloosahatchee River.

6.0 CONSTRUCTION

The project was initially bid in July 2021; however, due to legal issues the bids were rejected, and the project was re-bid in April 2022. The winning contractor was the team of Amici Engineering Contractors and Centerline Directional Drilling Service, Inc. The bid cost for the HDD project was \$11.7M, or approximately \$1,530 per foot for 7,650 feet of 24-inch DR18 FPVC.

During review of Contractor shop drawings and submittals, the Contractor team proposed several design changes, including reducing the entry and exit angles, reducing the lengths and diameters of conductor casings, and increasing the vertical curve radii. After several rounds of discussion and re-analyses, compromises were achieved, and the final geometry was established. The final geometry included 11° entry and exit angles, 2,000-foot vertical curve

radii, longer telescoping conductor casings but with reduced diameters, and the exit point in Horton Park was moved about 110 feet west. These changes reduced some of the pipe layout logistics problems, and likely reduced pipe pullback loads and stresses, without compromising protection from IDFRs. The compromises strengthened the trust and collaborative spirit of the City and the design and construction team.

6.1 CONDUCTOR CASING INSTALLATION

The Contractor mobilized in March 2023 for installation of the conductor casings on both sides of the river. On the eastern side (primary rig side), an American Augers DD660 was mobilized and used to support the conductor casing at the appropriate angle as it was advanced into the ground. A TT Technologies hammer was used to install 120 feet of 48-inch conductor casing. The Contractor also installed 150 feet of 20-inch centralizer with bolted flange connections; the bolted joints allowed for quick removal and addition of the centralizer for adding/removing downhole tooling. The east side conductor casing installation took 7 days.

On the western side, (pipe entry side) an American Augers DD440 was mobilized and used to support and install 120-feet of 54-inch conductor casing; 220 feet of 48-inch casing was hammered inside the 54-inch casing to extend the casing to a final length of 220 feet from entry. Similar to the primary side, 240-feet of bolted flange centralizer casing was installed to keep the drill pipe centered within the large casing. The west side telescoping conductor casing installation took 13 days.

6.2 INTERSECT PILOT HOLE

As preparations for the intersecting pilot bores progressed, a marine crew installed a surface wire coil along the river bottom completely across the waterway. The coil was carefully surveyed using anchored buoys at frequent intervals along the coils that projected above the water surface. The contractor used magnetic downhole guidance assemblies in both rigs and used the surface coil to accurately track the pilot bores.

The intersect pilot bore began on April 25 on the Fort Myers side of the crossing. During pilot hole operations, 360 feet of 16-inch washover casing was installed through the entry tangent ahead of the 8 ¾-inch mud motor to reduce the risk of inadvertent releases through the upper loose to very loose silty sand and the intermediate layer of very soft to firm marine clay. On April 27, the HDD rig on the Cape Coral side began the pilot hole to intersect the bore being drilled from Fort Myers. The secondary rig also advanced 360-feet of 16-inch washover casing ahead of the pilot bore to reduce IDFR risk on the western side of the crossing.

The onsite drilling fluid engineer working as a subcontractor to Centerline, closely managed the drilling fluid properties at both drill rig locations throughout the pilot bores and during all drilling operations. Several times during the pilot bores, the recycled drilling fluid was disposed of, and new drilling fluid was mixed to ensure optimum carrying capacity and flow properties. To further encourage thorough cleaning of the bore, numerous weeper subs were installed at frequent intervals along the drill string to maintain circulation and prevent gelling of the drilling fluid. The intersect was successfully made at approximately 4,350 feet from the Fort Myers side on May 2; the pilot hole was officially completed on May 4, after only 10 days of drilling. No IDFRs were observed while drilling the pilot bore or during any phase of the HDD operations.

6.3 REAMING AND SWABBING OPERATIONS

After removal of the 16-inch diameter washover casing, an 18-inch hole-opener was added to the drill string on the western end of the crossing for pull-reaming. The tail of the drill pipe

string was connected to the secondary drill rig with a swivel to allow free rotation of the drill pipe while also allowing for safer drill pipe handling at exit. Drilling fluid was pumped downhole and managed by the secondary rig and separation plant during initial parts of each reaming pass since returns were predominantly going to the west. Weeper subs were installed approximately every 1,000 feet to assist with drilling fluid circulation downhole. The 18-inch reaming pass was completed in 8 days. Subsequent pull-reaming passes were completed with 24-, 36- and 38-inch hole openers in 7, 8, and 9 days respectively. The bore was then pull-swabbed twice with a combination of 38-inch hole opener and 33-inch barrel reamer before pullback.

6.4 PIPE FABRICATION AND PULLBACK

Amici/Centerline teamed with Underground Solutions, the FPVC manufacturer, to develop a detailed pipe fabrication and support plan to protect the pipe from overstressing during installation. The plan included fabricating the pipe in five sections, ranging in length from 1,040 to 1,680 feet in length. Specialty rollers and pipe supports were fabricated to support and restrain the pipe through the horizontal curve near pipe entry. A “fly-over” was constructed along Everest Parkway, as shown in Figure 5, to aerially support the pipe across the intersection at one of the critical intersections. The flyover allowed traffic to pass beneath the pipe during pullback and provided an elevated backstop to prevent ballast water from escaping through the tail end of the pipe west of the flyover.



Figure 5. Aerial Pipe Support to Allow Traffic to Pass Beneath during Pullback

Once the reaming operations were complete, the final pipe fabrication phase began. Two sections were fused into a 2,600-foot section that was staged over the flyover, through the horizontal curve, and attached to the swivel and drill pipe, using the pull head designed by UGSI and the Contractor team. Each of the remaining three pipe sections were pre-loaded with their own sets of ballast lines. As the tail of each section of pipe reached the fusion area, pullback would pause so that the pipe in the reamed hole could be surcharged with ~500 feet worth of ballast water. The surcharging was necessary since the leading edge of the new ballast lines was on the far side of the flyover. After each section was fused to the pipe string, pullback resumed and once the leading edge of the ballast line was over the flyover, ballasting resumed. Careful monitoring of the length of pipe installed, the volume of ballast added to the pipe, and the speed of pullback was critical to make sure that all the pipe in the hole was filled with ballast, ensuring pull loads and pipe stresses remained low during pullback.



Ron DeSantis, Governor

Melanie S. Griffin, Secretary



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DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

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