



EXTERIOR STRIPPING / COATING OF WATER STORAGE TANK RE-BID

INVITATION FOR BID # PSUT-26-01

Issuance of Solicitation: Tuesday, March 24, 2026

Questions Due Date: Tuesday, April 14, 2026

Bid Submission Deadline: Tuesday, April 21, 2026

THE CITY OF PEMBROKE PINES
PROCUREMENT DEPARTMENT
8300 SOUTH PALM DRIVE
PEMBROKE PINES, FLORIDA 33025
(954) 518-9020

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Attachments:

A - AV_Tank_As-Built

B - Specimen Contract - Construction Agreement

C - Sample Insurance Certificate

D - Standard Release of Lien



SECTION 1 - NOTICE

Notice is hereby given that the City Commission of the City of Pembroke Pines is seeking sealed proposals for:

IFB # PSUT-26-01

Exterior Stripping / Coating of Water Storage Tank Re-Bid

Solicitations may be found on the City of Pembroke Pines website under the Procurement Department at <http://www.ppines.com/index.aspx?NID=667>, and may be downloaded directly from the OpenGov platform at <https://procurement.opengov.com/portal/pembrokepines>.

For Technical Support, proposers can reach the OpenGov Service Desk between 7:00 am to 10:00 pm from Monday through Friday via the following methods:

- Chat (preferred method): Click the button in the lower right-hand corner of the portal.
- E-mail: procurement-support@opengov.com
- Phone: 1 (650) 336-7167

If additional help is needed with downloading the solicitation package please contact the Procurement Department at (954) 518-9020 or by email at purchasing@ppines.com. The Procurement Department hours are between 7:00 am to 6:00 pm on Monday through Thursday and is located at 8300 South Palm Drive, Pembroke Pines, FL 33025.

Bidders shall submit all questions regarding this bid via the City's e-Procurement Portal, located at <https://procurement.opengov.com/portal/pembrokepines>. Please note the deadline for submitting questions. All answers will be posted on the City's e-Procurement Portal. Bidders may also click "Follow" on this bid to receive an email notification when answers are posted. It is the bidder's responsibility to check the portal for updates. Only written responses issued through the OpenGov platform will be considered official for interpretations or clarifications.

Proposals will be accepted until 2:00 pm on Tuesday, April 21, 2026, electronically at <https://procurement.opengov.com/portal/pembrokepines/projects/237226>.

Bid Opening: The sealed electronic proposals will be publicly opened at 2:30 pm, on the bid due date, by the City Clerk's Office, in the **City Clerk's Office Conference Room located on the 4th Floor in the Charles F. Dodge City Center**/City Hall Administration Building, located at 601 City Center Way, Pembroke Pines, Florida, 33025.

Virtual Bid Opening: In light of public health concerns and to ensure accessibility for all, the City encourages interested parties and the public to participate virtually via live streaming instead of attending the meeting in person. As a result, meetings may be a combination of in-person and virtual, all as provided by law. To virtually attend the bid opening, please use the Cisco Webex Meetings platform.

Virtual Meeting Details:



- WebEx Meeting Link: <https://ppines.webex.com/meet/purchasing>
- Cisco Webex Meeting Number: 717 019 586
- Join by Phone Number: +1-408-418-9388

The public may download the **Cisco Webex Meetings app** from <https://www.webex.com/downloads.html/>.

To ensure an efficient meeting process, participants are requested to mute their audio and camera during the meeting. While the public is welcome to attend the virtual bid opening, **please note that active participation and commenting will not be allowed during the proceedings.**

For further information about the bid opening or assistance in accessing the virtual meeting, please contact:

Daniel Deleon or other Procurement Staff in the Procurement Department
City of Pembroke Pines
8300 South Palm Drive,
Pembroke Pines, FL 33025
(954) 518-9061 Ext: 59021 or 954-518-9020
purchasing@ppines.com



SECTION 2 - GENERAL PROJECT INFORMATION & TIMELINE

2.1 Project Timeline

The work shall be completed within **180** calendar days from issuance of the City's Notice to Proceed (NTP), with an estimated start date of **April 21, 2026**.

2.2 Tentative Schedule of Events

Issuance of Solicitation (Posting Date):	March 24, 2026
Pre-Bid Meeting (Mandatory):	March 31, 2026, 10:00am 17189 Sheridan St, Pembroke Pines, FL 33331
Question Due Date:	April 14, 2026, 6:00pm
Issuance of Final Answers to Questions:	April 16, 2026
Bid Submission Deadline:	April 21, 2026, 2:00pm
Bid Opening:	Will be held at 2:30 pm on the day of bid submissions are due.
Evaluations by Staff:	To Be Determined (TBD)
Recommendation of Contractor to City Commission for Award:	May 6, 2026
Issuance of Notice to Proceed (NTP):	May 11, 2026

2.3 Mandatory Pre-Bid Meeting/Site Visit

There will be a **MANDATORY** scheduled pre-bid meeting on **Tuesday, March 31, 2026 at 10:00 am**. Meeting location will be at **17189 Sheridan St, Pembroke Pines, FL 33331**

- A. **Proof of Attendance:** Contractors may be required to sign in at any of the meetings to show proof of attendance. It is the **Contractor's** responsibility to make sure that they sign in at the meeting.

2.4 Estimated Project Cost

\$200,000

2.5 Liquidated Damages



Liquidated damages for this project shall be **FIVE HUNDRED DOLLARS AND NO CENTS (\$500.00)** per day.

2.6 Grant/Federal Funding

Not applicable for this project.

2.7 Proposal Security/Bid Bond

A Proposal Security shall be required, only for bidders that have a total cumulative base proposal amount that exceeds \$200,000. Proposal Security shall be in the amount of 5% of the total cumulative base amount proposed.

2.8 Payment and Performance Bonds

In the event that the awarded contract, not including owner's contingency, exceeds \$200,000, two (2) separate bonds (Payment & Performance Bonds) are required, and both must be approved by the City. The penal sum stated in each bond shall be 100% of the contract price.

2.9 Permit, License, Impact or Inspection Fees

With the exception of the City related permit, license, impact or inspection fees (including the Building Department and Engineering Department Permit Fees), which will be waived for this project, the City does not anticipate any additional permit, license, impact or inspection fees for this project. Any related State or County fees, for the aforementioned permits, will be paid by the City.

In addition, the City shall cover the cost for any other permit fees related to external entities through the City's Owner's Contingency for this project, **therefore proposers should not include permit costs in their total proposal price.**

Furthermore, please note the City's average time for a **Contractor** to apply for and receive an approved permit is 30 days; delays in this timeline caused by the **Contractor's** failure to actively monitor the permit process and submit all required documentation in a timely manner, will count against the project's contractual completion period.



SECTION 3 - PURPOSE AND BACKGROUND

3.1 Purpose

The City of Pembroke Pines is seeking bids from qualified firms, hereinafter referred to as the Contractor, to clean, prepare, and coat the exterior of the water storage tank, in accordance with the terms, conditions, and specifications contained in this solicitation.

The work consists of cleaning, preparing, and coating the exterior of the City's 2.5-million-gallon pre-stressed concrete water storage tank, including repair of all exterior cracks and deficiencies.

3.2 Background

Pembroke Pines, Florida, ranked as the eleventh largest city among the state's four hundred plus municipalities and the second largest in Broward County, maintains a welcoming small-town ambiance that resonates with its residents. Located conveniently in southwest Broward County, the city provides seamless access to major highways, employment centers, entertainment venues, parks, golf courses, and a diverse array of dining and shopping options.

With a population of approximately 170,000 residents spread across 32.68 square miles, Pembroke Pines is renowned as one of the best cities to live in America. The city boasts 28 superior parks, lush landscaping, and a distinctive South Florida charm that contributes to its natural beauty. Notably recognized as 2024's Best Place to Raise a Family in Florida, and 2024's Best City of Hispanic Entrepreneurs by WalletHub, Pembroke Pines also earned a place as the on Money Magazine's esteemed Best Places to Live list in 2014, as the sole Florida representative, ranking in at #32 in the nation.

Incorporated in 1960, Pembroke Pines is celebrated as a safe and desirable community, having received accolades such as the All-America City designation. The city's commitment to arts and culture, exceptional schools, diverse population, numerous parks, and forward-thinking approach in an ever-evolving world make it a standout destination.

Pembroke Pines is also the home to the largest municipal-run charter school system in the nation, serving over 6,000 students across five separate campuses. The City's award-winning charter school system is located in the Broward County School District, which is the sixth largest school district in the nation.



SECTION 4 - SCOPE OF WORK

4.1 General Conditions

The project involves cleaning, preparing, and coating the exterior of the City's 2.5-million-gallon pre-stressed concrete water storage tank including the dome. It also includes repairing all exterior cracks and deficiencies.

Debris Disposal

- The Contractor is solely responsible for properly disposing of all construction debris at an authorized landfill.
- All disposal costs shall be borne by the Contractor.

Site Maintenance & Restoration

- Work areas must meet safety requirements for pedestrian and vehicular traffic.
- All areas must be left clean and orderly after work completion.
- Any damaged grass areas or property must be restored to their original condition.
- The Contractor is encouraged to maintain before-and-after photo documentation at no cost to the City, which should be available to the Engineer upon request.

Compliance & Standards

All work must comply with or exceed:

- Florida Department of Transportation Applicable Standards
- Florida Building Code
- Broward County Public Works Standards

Supervision & Oversight

- The City's Project Manager has full supervision over the contract execution.
- Orders from the City Commission and/or City Manager shall be communicated through the Project Manager.
- The Contractor must strictly follow all instructions given by the Project Manager.
- A designated foreman or representative must be available to receive instructions in the Contractor's absence. Otherwise, the Contractor remains responsible for executing instructions.



- The City's Project Manager must have unrestricted access to the materials and worksite for layout, measurement, inspection, and oversight.

Plans and Specifications

- The Technical Specifications prepared by the City are included as part of the Contract Documents.
- All specifications and related documentation that constitute the contract must be strictly followed regarding work, materials, and dimensions, unless a written exception is authorized by the City's Project Manager.
- Any measurement discrepancies shall be resolved by the City's Project Manager or their representative.
- The Contractor must not proceed if there is any uncertainty regarding dimensions or measurements.

Limitations of Operations

- No work shall be conducted during weekends, City holidays, or outside the City's business hours, unless necessary for the proper care and protection of work already performed.
- Exceptions may be granted only with permission from the City's Project Manager or their designee.

Field Office

- No field office is required for this project.
- The Contractor must provide the City's Project Manager or their representative with a local telephone number for contact at any time during the project.
- A competent, English-speaking superintendent must be present at the project site throughout the work's progress.

4.2 Performance of Work

- The Contractor shall provide a qualified Superintendent who will always be present during work and authorized to act on behalf of the Contractor.
- The Contractor must maintain sufficient plant, equipment, and labor on-site to meet project requirements.
- All equipment must be in satisfactory operating condition, ensuring safe and efficient work performance.
- All operations are always subject to inspection by the Project Manager.



Materials, Equipment, and Procedures

- The Contractor must submit a description of materials, equipment, and work procedures for approval by the Project Manager.

Inspection and Work Modifications

- If requested by the City's Project Manager, the Contractor must uncover or remove portions of finished work for examination.
- If the examined work is acceptable, costs for uncovering and restoring will be paid as "Extra Work."
- If the examined work is unacceptable, all associated costs shall be borne by the Contractor.
- No work shall be performed, nor materials used, without proper supervision or inspection by the City's Project Manager.
- Failure to initially reject defective work or materials does not prevent later rejection or obligate the City to final acceptance.

Independent Contractor Status

- The Contractor is recognized as an independent contractor for this project, though they must follow the Project Manager's directions under certain conditions.

4.3 Restoration of Property

- Any public or private property damaged during construction or removed for project convenience must be repaired or replaced at the Contractor's expense.
- Repairs or replacements must be performed in a manner acceptable to the City's Project Manager before final acceptance of the work.
- This includes, but is not limited to:
 - Signalization equipment and miscellaneous hardware removed from the construction site
 - Driveways, walkways, walls, fences, and mailboxes
 - Sod, landscaping, and irrigation systems
 - Footing or underground utilities

4.4 Utilities

- The Contractor is responsible for making all necessary arrangements with utility companies to ensure the maintenance of utility lines during construction.



- If a complete utility relocation is required but has not been completed before the “Notice to Proceed” is issued, the Contractor must still commence work and schedule activities to avoid interference with utility relocation or repair.
- The City is not liable for:
 - Any delays or additional expenses incurred by the Contractor due to utility company activities.
 - Any damages to utilities caused by the Contractor’s actions.

4.5 Project Safety

Maintenance of Traffic

- The contractor must adhere to the applicable portions of the Broward County Public Works Manual regarding traffic safety.
- Any excavated material, stored equipment, or other obstructions near or on the roadway pavement must always be adequately marked for traffic safety.
- The Contractor is responsible for furnishing all necessary traffic control devices, including:
 - Signs
 - Warning devices
 - Barriers
- The Contractor must maintain the existing flow of traffic throughout the duration of the project.

Access and Traffic Management

- The Contractor must provide necessary access to all adjacent properties during construction.
- Special attention is required for managing pedestrian and vehicular traffic, particularly in school zones.
- If the Contractor's operations restrict street, road, or work area usage, the City may require the hiring of off-duty police officers (at the Contractor’s expense) to assist with traffic control and safety.
- Traffic detours require prior coordination and approval from the City's Project Manager.

4.6 Materials

- The Contractor shall provide all workmen, mechanics, tradesmen, and other skilled employees, along with all necessary materials and equipment required for the project.



- All work performed under this Contract requires the Contractor to supply all labor, equipment, and materials, including any incidental work, even if not explicitly mentioned in the drawings or specifications.

Quality and Industry Standards

- Where not explicitly described, all materials and workmanship shall conform to industry standards.
- Work must be performed in proper sequence with other contractors, City operations, and must properly integrate with both existing and new construction.

Inspection and Quality Control

- All materials, processes, and construction activities are open to inspection at any time.
- The City's Project Manager and their representatives shall have free access to all parts of the work.
- If defective work is identified, the Contractor must remove, reconstruct, replace, and correct the work at no additional cost.
- Errors in judgment by inspectors or prior acceptance of work do not relieve the Contractor of the responsibility to correct defects whenever discovered.

4.7 Payment for Tests

- Unless otherwise specified, the Contractor is responsible for the expense of all tests requested by the City's Project Manager.
- Testing procedures must conform to all applicable State, County, City, AWWA, or industry standards.
- Unsatisfactory test results shall be grounds for rejection of work, and the cost of retesting shall be borne by the Contractor.

4.8 Storage Responsibility

- The Contractor is responsible for storing materials and maintaining all partly or fully completed work throughout the contract until final acceptance.
- If any materials or parts of the work are lost, damaged, or destroyed, the Contractor must repair or replace them at their own expense.
- The Contractor must maintain adequate safety measures, including:
 - Guards and barriers for protection



- Sufficient lighting at night to prevent accidents

4.9 Final Cleanup

- Upon completion of the project, before acceptance and final payment, the Contractor must:
 - Remove all machinery, equipment, surplus and discarded materials, and temporary structures from the site.
 - Dispose of all materials, rubbish, and construction debris at a legal disposal site or by another approved method.
- Depositing materials on adjacent or nearby properties is not considered proper disposal.

4.10 Painting of Infrastructure

General Requirements

- Furnish all labor, surface preparation, coating materials, tools, rigging, lighting, ventilation, and other necessary equipment and materials.
- Ensure a complete coating system on all exterior exposed surfaces throughout the project, except as otherwise specified.

Coating Requirements

- Coat existing surfaces of the 2.5-MG ground storage tank as determined by the Owner/Engineer.
- The City's Project Manager will work with the Contractor to select the color of the coating.

Work Inclusions

- Field painting of the exposed 2.5-MG ground storage tank.
- Paint all exposed surfaces normally painted in a new project.
- If items or surfaces are not specifically mentioned or excluded, paint them to match adjacent similar materials or areas.

Application Standards

- Clean, prepare, coat, and cure all surfaces in strict accordance with the Manufacturer's published recommendations and specifications.
- Primers and paints shall be applied with rollers so as not to spray or overspray onto cars, buildings or other adjacent property.
- Perform all work using skilled personnel in a safe and productive manner, following good coating practices.



Color Matching

- If the approved coating does not match existing conditions, the Contractor shall provide the Owner/Project Manager with color samples for selection.

4.11 Painting Not Included

The following categories of work are not included as part of the field-applied finish work or are included in other sections of these specifications:

Shop Priming

- Unless otherwise specified, shop priming of ferrous metal items is not included.

Concealed Surfaces

- Unless otherwise shown or specified, painting is not required on:
 - Walls or ceilings in concealed and generally inaccessible areas.
 - Foundation spaces, furred areas, utility tunnels, pipe spaces, duct shafts, and elevator shafts.
 - Painting of galvanized work that will be concealed in the completed work is not required.
 - Structural steel that is already encased in concrete should not be painted.
 - Structural steel specified elsewhere as not requiring painting should remain unpainted.

Finished Metal Surfaces

- Painting is not required on:
- Anodized aluminum, stainless steel, chromium plate, copper, bronze, and similar finished metals, unless otherwise specified.

Operating Parts and Labels

- Do not paint moving parts of operating units, including:
 - Mechanical and electrical components such as electrical valve operators, linkages, sensing devices, motor and fan shafts, unless otherwise specified.
- Do not paint over any code-required labels, including
 - Underwriters' Laboratories (UL) and Factory Mutual (FM) labels.
 - Equipment identification, performance rating, name, or nomenclature plates.
 - Remove all paint, coating, or splatter inadvertently placed on these surfaces.

Protection Measures



- Protect all adjacent areas, equipment, automobiles, and similar items not intended to be painted from splatter, overspray, spillage, etc.
- **Other Exclusions**
 - Surfaces to receive chemical coatings are not included in this Specification.
 - Do not paint the following unless otherwise specified
 - Sprinkler heads, fire detection heads.
 - Integrally colored stucco, brick masonry, cast stone, stone masonry, or architectural precast concrete.

4.12 References

The following standards and guidelines apply to the work specified:

ANSI/ASTM Standards

- **ANSI/ASTM D16** – Definitions of terms relating to paint, varnish, lacquer, and related products.
- **ASTM D4541** – Coating Adhesion Testing.
- **ASTM D3276** – Standard Guide for Painting Inspectors (Metal Substrates).
- **ASTM B499** – Dry Film Thickness D1400.
- **ASTM B468** – Hardness.

Steel Structures Painting Council (SSPC)

- Volume 1 and 2, most current versions.

4.13 Definitions

- Conform to **ANSI/ASTM D16** for the interpretation of terms used in this section.

4.14 Quality Assurance

Qualifications for the Tank Coating Applicator

- The Applicator performing the tank surface repair and coating shall have at least ten (10) years of experience in maintaining, re-coating, and repairing Prestressed Concrete Tanks, where applicable.
- Upon request, the Applicator shall provide references and a list of installations.

Supervision Requirements



- All coatings work shall be performed under the supervision of a certified Concrete Coating Inspector (CCI), who shall:
 - Be a full-time staff member of the Specialty Concrete Repair and Rehabilitation (SCRR) Contractor.
 - Have at least 10 years of experience.

Approved Tank Coatings Applicator

- All Coating Contractors must submit documentation of the aforementioned requirements with their bid for consideration.

Applicator Qualifications

- Submit the name and experience record of the Painting Applicator. Include a list of utility or industrial installations painted, responsible officials, architects, or engineers concerned with the project and the approximate contract price.
- Painting Applicators whose submissions indicate inadequate experience will not be approved.
- Furnish a statement to the Owner from the Coatings Manufacturer that materials to be used by the Contractor comply with the Manufacturer's recommendations.

Source Quality Control

- Obtain all materials from the same Manufacturer, unless otherwise approved.
- Obtain materials only from Manufacturers who will:
 - Provide the services of a qualified Manufacturer's representative at the project site as needed or requested by the City's Project Manager to advise on materials, installation, and finishing techniques.
 - Certify long-term compatibility of all coatings with all substrates, both new and existing.

Reference Standards

Comply with applicable provisions and recommendations of the following, except where otherwise shown or specified:

- **ANSI A13.1** – Scheme for the Identification of Piping Systems.
- **Great Lakes** - Upper Mississippi River Board of State Sanitary Engineers (Ten States Standards) – Recommended Standards for Waste Treatment Works (Latest Edition), Recommended Color Scheme for Piping.



- **Great Lakes - Upper Mississippi River Board of State Public Health and Environmental Managers Engineers (Ten States Standards)** – Recommended Standards for Water Works (Latest Edition), Painting of Water Works Piping for Public Water Supplies.
- **OSHA 1910.144** – Safety Color-Code for Marking Physical Hazards.
- **SSPC Volume 2** – Systems and Specifications, Surface Preparation Guide, and Paint Application Specifications.

Manufacturer's Guarantee

- The identification signs and nameplates shall be guaranteed in writing by the Manufacturer against:
 - Color fading
 - Chipping
 - Corroding
 - Any other manufacturing defects
- The guarantee shall be for a period of ten (10) years.
- The Owner/City Project Manager reserves the right to require qualification of the Product Manufacturer and Applicator, including satisfactory completion of at least two (2) projects of this nature.

Manufacturer's Inspection Meeting

- After setting up painting but before commencing work, conduct a meeting at the site among representatives of:
 - Paint Manufacturer
 - Contractor
 - Painting Contractor
 - Owner/City Project Manager
- The purpose of the meeting is to inspect the facility and review procedures recommended by the Manufacturer for the prevailing conditions.

4.15 Regulatory Requirements

- Comply with all federal, state, and local health and fire regulations when handling and applying paint and coating products.

4.16 Submittals

**Manufacturer's Data**

- Submit Manufacturer's technical information, including:
 - Paint label analysis.
 - Surface preparation and application instructions for each material proposed for use.
 - Indication of surfaces to which each material is to be applied.

Manufacturer's Certificate

- Submit a written certification from the Paint Manufacturer stating that materials furnished for the work meet or exceed specified requirements.

Painting Schedule

- Prepare a detailed painting schedule, listing:
 - Each Painting System to be used by Painting System Number.
 - The extent and limits of each system.
 - Colors (by name and number) where appropriate.

Samples

- Submit for approval the following:
 - Compliance with all other requirements is the exclusive responsibility of the Contractor.
 - Provide a listing of the material and application for each coat of each finish sample.
 - Paint samples for Owner/Engineer's review of color and texture only.

Piping and Equipment Identification

- Submit for Owner/Engineer approval:
 - A sample of a tag proposed.
 - Manufacturer's standard color chart and letter styles.
 - Tags shall have stamped information as shown on the valve schedules.
 - Information on the type of coding system shall be provided by the Owner/Project Manager.

Shop Drawings

- After the award, submit for approval the following:



- Copies of Manufacturer's technical information, including paint label analysis and application instructions for each material proposed for use.
- Copies of Contractor's proposed protection procedures for each work area.
- A list of each material, cross-referenced to the specific paints and finish system and application.
- Identification of materials by Manufacturer's catalog number.
- Copies of Manufacturer's complete color charts for each coating system.
- Pipe Markers - Copies of Manufacturer's technical brochure, including color chart and list of standard markers.

Maintenance Manual

- Upon completion of the Work, furnish copies of a detailed maintenance manual, including:
 - Product name and number.
 - Name, address, and telephone number of Manufacturer and local Distributor.
 - Detailed procedures for routine maintenance and cleaning.
 - Detailed procedures for light repairs (such as dents, scratches, and staining).

Certificates

- Submit for approval the following:
 - Certificates stating that materials meet or exceed Specification requirements.
 - Certificate stating that all coatings are compatible with specified substrates, including factory or field-applied prime coats.

4.17 Product Delivery and Storage

- Deliver all materials to the job site in original, new, and unopened packages and containers bearing the Manufacturer's name and label, including the following information:
 - Name or title of material.
 - Federal Specification number, if applicable.
 - Manufacturer's stock number and date of manufacture.
 - Manufacturer's name.
 - Contents by volume, including major pigment and vehicle constituents.
 - Thinning instructions.



- Application instructions.
- Color name and number.

Storage Requirements:

- Store paint materials, painting tools, and equipment, including solvents and cleaning materials, in a well-ventilated, dry area away from high heat.
- Do not store materials in buildings or structures in use or under construction, nor leave them overnight therein.
- Follow Manufacturer's recommendations for the safe storage of paints and solvents.
- Take precautions to prevent fire hazards and spontaneous combustion.

4.18 Safety

- Ensure all materials, equipment, personnel, procedures, and practices are in compliance with safety regulations to maintain a hazard-free working environment.
- Observe Manufacturer's health and safety precautions when:
 - Storing, handling, and applying coating materials.
 - Using cleanup materials containing solvents and/or chemical ingredients.
- Direct personnel's attention to all product warnings and information given on product labels.

Protective Equipment:

- Ensure all personnel mixing and applying coating materials are equipped with adequate protective clothing and devices, including respirators.

Safety Measures:

- No smoking in the working area.
- No items that may produce sparks or open flames in the immediate working area.
- Post warning signs outside the work area to inform personnel of potential hazards.
- Erect barriers where necessary.

Storage & Disposal:

- Return partially used coating materials to their original containers, tightly resealed, at the end of each workday.
- Wipe material spills, clean containers, and return them to the designated storage area.



- Remove waste coating materials and contaminated disposable items from the job site daily.
- Dispose of all materials in strict accordance with local, state, and federal regulations.

4.19 Job Conditions

Water-Based Paints:

- Apply only when surface and air temperatures are between 50°F and 90°F, unless otherwise permitted by the Paint Manufacturer's printed instructions.

Solvent-Thinned Paints:

- Apply only when surface and air temperatures are between 45°F and 95°F, unless otherwise permitted by the Paint Manufacturer's printed instructions.

Weather Conditions:

- The areas and surfaces are enclosed and heated within the specified temperature limits during application and drying periods.
- Do not apply paint in rain, fog, or mist.
- Do not apply paint when relative humidity exceeds 85%.
- Do not paint damp or wet surfaces unless otherwise permitted by the Manufacturer's instructions.
- Painting may continue during inclement weather only if permitted by the Manufacturer's instructions.

Windy Conditions:

- Exercise caution when painting in windy conditions.
- The Contractor is responsible for all damage caused by wind-blown paint and overspray.

4.20 Related Sections

- Section 13250 – Prestressed and Cast-in-Place Concrete Storage Tank Repair

4.21 Products

Colors and Finishes

- Paint colors, surface treatments, gloss, and finishes are indicated or specified in the schedules of the Contract Documents.
- Colors and gloss not indicated or specified shall match the Owner's existing color scheme.



- Final acceptance of colors will be from samples applied on-site, subject to approval by the Owner/Project Manager.

Paint Coordination

- Review other sections of the specifications where prime paints are provided to ensure compatibility with the total coating system for various substrates.
- Furnish necessary information to Manufacturers, Fabricators, and Suppliers to ensure that compatible prime coats are used.
- Provide barrier coats over incompatible primers or remove and re-prime as required.

Undercoats and Thinners

- Undercoats: Provide undercoat paint produced by the same Manufacturer as the finish coats.
- Thinners: Use only Manufacturer-approved thinners within recommended limits.

Acceptable Manufacturers

- All coating references herein are Tnemec Co., PPG Protective Coatings, or Euclid Chemical.
- All coatings in contact with potable water must appear on the current Florida Department of Environmental Protection list of approved paints and protective coatings and NSF approved for potable water.
- Furnish all coating materials by a single Manufacturer.
- Solvents, thinners, and other miscellaneous materials may be supplied by the same Manufacturer or by a Supplier approved by the Manufacturer.

Painting Systems

- Provide a minimum dry film thickness (D.F.T.) as noted in the schedule of finishes.
- Touch-up shop-applied and field-applied prime coats wherever damaged or bare, ensuring continued protection from rust and corrosion.
- Use the same type of primer as initially applied for touch-ups.

4.22 Schedule of Finishes

Existing Exterior Surfaces (Previously Painted – Tnemec-based)

Exterior Metal

- **System:** Epoxy/Polyurethane
- **Spot Primer:** Series 135 Chembuild (D.F.T.: 3.0 – 5.0 mils)



- **Tie Coat:** Series 135 Chembuild (D.F.T.: 3.0 – 5.0 mils)
- **Topcoat:** Series 73U Endura-Shield (D.F.T.: 2.0 – 3.0 mils)
- **Minimum Total D.F.T.: 6.5 mils**

Exterior (Concrete, Block, and Stucco)

- **System:** Acrylic
- **First Coat:** Series 156 Enviro-crete (D.F.T.: 4.0 – 8.0 mils)
- **Second Coat:** Series 156 Enviro-crete (D.F.T.: 4.0 – 8.0 mils)
- **Minimum Total D.F.T.: 8.0 mils**

4.23 Piping and Equipment Identification

Tanks, Structures, and Buildings:

- Colors shall match existing where possible.
- Final color selections shall be made by the Owner/Engineer.
- No additional costs shall be incurred by the Owner/Project Manager due to color selection.

Electrical Conduits and Grounding Cable:

- Color to match background.

4.24 Joint Sealants

Materials

- General: Manufacturers and products named herein conform to the intended quality, function, and appearance standards.

Compatibility:

- Sealants and caulks used in roofing components must be compatible with roofing materials per Manufacturer's recommendations.
- Primer: Use as required or recommended by the sealant Manufacturer for subsurface materials.

Joint Fillers & Backing

- **Joint Filler:**
 - Use round rod or closed-cell polyethylene sponge that is compatible with the sealant.
 - Use a joint filler at least 25% larger than the joint width.



- **Joint Backing:**
 - Heavy polyethylene tape with adhesive backing.

4.25 Elastomeric Sealants

- General: Comply with ASTM C 920, including specified Type, Grade, Class, and Use.
- Sealants must withstand total movement as per ASTM C 719 without compromising other requirements.

One-Part, Non-Sag Low-Modulus Urethane Sealant

- **Specifications:**
 - Type: S
 - Grade: NS
 - Class: 25
 - Use: NT
 - Movement Capability: 50% extension and compression
- **Acceptable Manufacturers:**
 - Tremco, Inc.
 - Sika Corporation
 - Sonneborn
 - Pecora Corp.

One-Part, Non-Sag Polysulfide Synthetic Rubber Sealant

- **Specifications:**
 - Compliance: FS TT-S-00230C, Type II, Class A
 - Joint Movement Range: 25 - 40%
 - Service Life: 10 - 20 years
 - Ultimate Tensile Strength: 85 - 120 psi
 - Shore-A Hardness: 30 - 34 at 75°F, 50% relative humidity
 - Color: As selected by Owner/Engineer
- **Acceptable Manufacturers:**



- Pecora Corp.
- Tremco, Inc.
- Sonneborn

Two-Part, Non-Sag Polysulfide Synthetic Rubber Sealant

- **Specifications:**
 - Compliance: FS TT-S-00227 EOC, Type I, Class B
 - Joint Movement Range: 25 - 50%
 - Service Life: 10 - 20 years
 - Ultimate Tensile Strength: 120 - 770 psi
 - Shore-A Hardness: 15 - 50 at 75°F, 50% relative humidity
 - Color: As selected by Owner/Project Manager
- **Acceptable Manufacturers:**
 - Pecora Corp.
 - Grace Construction Products
 - Sonneborn
 - Tremco, Inc.
 - W.R. Meadows

4.26 Latex Sealants

Acrylic-Latex Emulsion Sealant:

- One-part, non-sag, mildew-resistant, colored, and paintable.
- Compliance: ASTM C 834.

4.27 Execution

Field Observation

- Verify that surfaces are ready to receive work as instructed by the Product Manufacturer.
- Do not paint over conditions detrimental to the formation of a durable paint bond and film.
- Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.



- Do not proceed with the work until unsatisfactory conditions have been corrected.
- Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions otherwise detrimental to the formation of a durable paint film.
- Provide all necessary equipment, labor, rigging, lighting, and other equipment to facilitate inspections.
- The Owner/Project Manager may inspect the Work at any time for compliance with the requirements of the Specifications.
- The Owner/Project Manager reserves the right to approve each phase of the Work before further work is done, halt all Work deemed improper or not in compliance with the specification, and require the Contractor to correct improper practices or deficient Work.
- The Contractor is responsible for any expenses incurred in association with corrective measures required because of improper practices or defective or deficient work.

General Requirements

- Provide adequate explosion-proof lighting sufficient to illuminate clearly the working area without shadows during all surface preparation and coating operations.
- Maintain adequate and continuous explosion-proof ventilation in confined areas during all surface preparation and coating operations and during all recoat and curing periods.
- Provide ventilation of sufficient capacity to maintain a clear atmosphere that is well below explosive and toxic limits.
- Arrange the ventilation system, including all fans and temporary duct work, so that no air spaces exist in any area.
- Heating devices used to create and/or maintain temperature conditions in compliance with specification requirements must be explosion proof and not exhaust sooty or oily residues or contaminants into the air.
- Heating devices are not to be used when existing temperature and humidity conditions may create dew point conditions.
- Use equipment that is explosion-proof and non-sparking. Spray equipment must be recommended by or acceptable to the Coatings Manufacturer.
- Apply caulking material only after the last coat of paint has been applied and has dried hard. Caulking material must be compatible with the specified coating system. No paint on caulking material.



Surface Preparation

- **General:**
 - Perform all preparation and cleaning procedures as specified and in strict accordance with the Paint Manufacturer's instructions for each substrate and atmospheric condition.
 - Remove all the hardware, machined surfaces, plates, lighting fixtures, and similar items in place and not to be painted or provide surface protection prior to surface preparation and painting operations.
 - Remove or reinstall the removed items by skilled workmen after the completion of painting.
 - Clean surfaces are to be painted before applying paint or surface treatments. Remove oil and grease with clean cloths and cleaning solvents before mechanical cleaning.
- **Ferrous Metals:**
 - Clean ferrous surfaces to be shop primed of all oil, grease, dirt, mill scale, and other foreign matter by near-white blast cleaning (SSPC-SP 10).
 - Clean submerged ferrous surfaces to be shop primed by white blasting (SSPC-SP 5).
 - Clean non-submerged ferrous surfaces that have not been shop-coated by near-white blast cleaning (SSPC-SP 10).
 - Clean submerged ferrous surfaces that have not been shop-coated or have been improperly shop coated by white blasting (SSPC-SP 5).
 - Treat bare metal with metal treatment wash coat before priming if recommended by the Paint Manufacturer.
 - Touch-up shop-applied prime coats with primer after commercial blasting (SSPC-SP 6).
- **Nonferrous Metal Surfaces:**
 - Clean nonferrous metal surfaces according to the coating system Manufacturer's instructions.
- **Galvanized Surfaces:**
 - Clean free of oil and surface contaminants with a non-petroleum-based solvent complying with SSPC-SP 1.
 - Build an angular profile of 1.5 mils or greater before application.
 - Remove chromate treatments by sanding or other methods recommended by the Paint Manufacturer.



- **Concrete Surfaces:**

- **Exterior:** Hydro blast exterior to remove all existing coating, chalk, dirt, dust, mildew, and other soluble contaminants by ultra-high pressure water blast cleaning (potable water). All coating should be removed to return the tank exterior to bare concrete.

Material Preparation

- Mix and prepare painting materials in accordance with Manufacturer's directions.
- Store materials not in use in tightly covered containers. Maintain containers used for storage, mixing, and application clean and free of foreign materials.
- Stir materials before application to produce a mixture of uniform density and stir as required during the application. Do not stir the surface film into materials. Remove film and strain if necessary.

Application

- **General:**
 - Apply paint with brush or roller. Other mechanical application techniques (power roller, or airless spray) that are allowed per Manufacturer's recommendations shall only be used as approved by Owner/Project Manager.
 - Apply the first coat to surfaces that have been cleaned or pretreated.
 - Allow sufficient time between successive coatings to permit proper drying. Do not recoat until the previous coat feels firm and does not deform or feel sticky under moderate thumb pressure.
 - Use spray application (with applicable safeguards) only for metal framework, siding, decking, wire mesh, and other surfaces recommended by the Paint Manufacturer.
 - Use brushes suited for the material being applied.
 - Use rollers as recommended by the Paint Manufacturer for texture/required finish.
 - The number of coats and paint film thickness are the same regardless of the application method. Do not apply succeeding coats until the previous coat has completely dried.
 - Apply additional coats if undercoats or other conditions show through the final coat.
 - Paint edges, corners, crevices, welds, and exposed fasteners to ensure equal film thickness.
 - Finish exterior doors on tops, bottoms, and side edges the same as exterior faces unless otherwise specified.



- Paint aluminum parts in contact with dissimilar materials with the appropriate primer.
- Omit field primer on shop-primed metal surfaces; touch-up only as approved by Owner/Engineer.
- Heating, Ventilating, and Electrical Work: Paint electrical items including grounding wire.
- Minimum Coating Thickness: Apply each material at no less than the Manufacturer's recommended spreading rate.
- Prime Coats: Recoat primed surfaces where holiday or unsealed areas are detected to ensure no burn-through or defects.
- Brush Application: Brush all coats onto surfaces in an even film. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, or other surface imperfections are unacceptable.
- Mechanical Applicators: Use mechanical methods only when permitted by governing ordinances and Paint Manufacturer and approved by Owner/Engineer.

Protection

- Furnish and lay drop clothes in all areas where painting work is being done.
- Protect the work of other trades from the Work of this Section and leave it undamaged.
- Provide "Wet Paint" signs and remove all temporary protective wrappings after the completion of painting operations.

Clean-Up

- Remove discarded paint materials, rubbish, cans, and rags from the site at the end of each workday.
- Upon completion, clean all paint-spattered surfaces using proper methods to avoid scratching or damaging finishes.
- Touch-up and restore damaged or defaced painted surfaces as determined by the Owner/Engineer.

Painting and Coating Schedule

- Painting and coating shall be in accordance with Section 4.22 Schedule of Finishes.

4.28 Prestressed and Cast-In-Place Concrete Storage Tank Repair

PART 1 - GENERAL



This section includes furnishing all labor, materials, equipment, and incidentals required to repair the existing pre-stressed/cast-in-place concrete ground storage tank prior to painting/coating.

The Contractor shall be responsible for the work associated with repairing all exterior cracks and deficiencies on the exterior walls of the tanks prior to commencing coating/painting activities. No additional work should be performed on these items without written approval from the Owner/Project Manager.

The Contractor shall examine and visit the proposed sites to determine for themselves the extent of the work to be performed. This includes, but is not limited to, structurally and aesthetically rehabilitating the existing concrete tanks described in the contract documents to allow for proper and functional application of paint/coatings.

References

1. ACI 201.1R92 - Guide for Conducting a Visual Inspection of Concrete in Service
2. ACI 224.1R-93 - Causes, Evaluation, and Repair of Cracks in Concrete Structures
3. ACI 350-06 - Code Requirements for Environmental Engineering Concrete Structures
4. ACI 372R-03 - Design and Construction of Circular Wire- and Strand-Wrapped Prestressed Concrete Structures
5. AWWA D110-04 - Wire- and Strand-Wound, Circular, Prestressed Concrete Water Tanks
6. ACI 506R - Guide to Shotcrete
7. ASCE Standard 7-05 - Minimum Design Loads for Buildings and Other Structures
8. ASTM C881/C881M - Standard Specification for Epoxy-Resin-Base Bonding Systems for Concrete
9. ASTM A 185 - Standard Specification for Steel Welded Wire
10. ASTM A 615 - Standard Specification for Deformed and Plain Carbon Steel Bars for Concrete Reinforcement
11. ACI 305R - Hot Weather Concreting
12. ACI 350 - Building Code Requirements for Environmental Engineering Concrete Structures and Commentary
13. ACI/ICRI - Concrete Repair Manual
14. ICRI 03730 - Surface Preparation for the Repair of Deteriorated Concrete
15. ICRI 03733 - Selecting and Specifying Materials for Concrete Repair



16. AWWA C652 - Disinfection of Potable Water Storage Tanks

Submittals

- **Prequalification Data:** Provide prequalification data as required in accordance with Section 4.28 (Part 1).
- **Shop Drawings:** Provide shop drawings as applicable with a minimum size of 8.5" x 11" with a complete evaluation of the repair work that needs to be performed, including, but not limited to, critical dimensions.
- **Repair Materials Technical Data:** Submit technical information on all materials to be used in the repair or modification work, including a description of its physical properties, surface preparation requirements, and the procedures for application.
- **Mix Designs:** Submit technical data covering any concrete or shotcrete material to be provided by a third-party vendor to include proportions of each of the materials included in the mix as well as test data confirming the required strength.
- **Test Reports:** Submit any required concrete or repair mortar strength reports for 7-day and 28-day breaks taken in accordance with the requirements of Section 3.3.A.1 for all structural repairs.
- **Safety:** Submit Contractor's job-specific safety plan.

Quality Assurance

- **Qualifications and Experience:**
 - **Specialty Concrete Repair and Rehabilitation Contractor (SCRR) Qualifications:** The SCRR Contractor shall have a minimum of 10 previous and concurrent years of providing maintenance services on structures of similar sizes and types of those included in this specification to ensure to the owner that it has the organization, technical skill, quality control, reliability, and financial stability to maintain and guarantee the structures in accordance with the quality required by these specifications.
 - **Prestressed Concrete Qualifications:** The SCRR Contractor shall have no less than 10 years of experience in the design, construction, maintenance, and restoration of ANSI/AWWA D110 wire-wound, circular prestressed concrete tanks.
 - **Licensed Design Professional Qualifications:** The SCRR Contractor shall employ a licensed design professional with no less than 5 years of experience in the design and construction of ANSI/AWWA D110 wire-wound, circular prestressed concrete tanks. The licensed design professional shall be a full-time staff member of the SCRR Contractor and shall be licensed to work in the state where the work is to be completed.



- **Safety Qualifications:** The SCRR Contractor shall have a full written safety manual to include programs for the following areas of safety: Confined Space, Personal Protective Equipment (PPE), and Scaffold.

Contractor Prequalification

- **Company Prequalification:**
 - The SCRR Contractor shall provide a company profile detailing its experience with specialty concrete repair and rehabilitation.
 - The SCRR Contractor shall provide a copy of their current General Contractor's License for the state where the work will be performed.
 - The SCRR Contractor shall provide a complete record of experience showing ten previous and concurrent years of providing maintenance services on structures of similar sizes and types. The record shall include the size/type of structure, name, address, and telephone number of the Owner, and the year of construction.
 - The SCRR Contractor shall be able to provide letters of certification for application from the following list of manufacturers:
 - Tnemec
 - Sika
 - CIM
 - Euclid
 - Prime Resins
 - PPG
 - Sherwin Williams
- **Licensed Design Professional Prequalification:**
 - The SCRR Contractor shall provide a copy of the LDP's license for the state where the project is to be performed.
- **Safety Prequalification:**
 - The SCRR Contractor shall provide a copy of its safety manual and current certificates for all applicable training, such as Confined Space, PPE, Scaffold, etc.
 - The SCRR Contractor shall provide a copy of the safety professional's OSHA 500 certification.



Warranty

- The CONTRACTOR shall warrant the work against defective materials or workmanship for a period of two (2) years from the date of completion. If any materials or workmanship prove to be defective within two (2) years, they shall be replaced or repaired by the CONTRACTOR at the CONTRACTOR's expense.

Rules and Regulations

- The Standard Building Codes shall control demolition, modification, or alteration of the existing buildings or structures.
- The Contractor shall be responsible for meeting the requirements of OSHA and other agencies concerned with safety for this type of Work.
- All services shall comply with the State of Florida, Florida Administrative Code (FAC) 62-555.530.

Sequence of Work

- Any work that affects the operations of the tank shall be coordinated with the Owner/Engineer.
- Prior to any repair work being performed, and coordinated with the Owner/Engineer, the Painting Contractor shall survey the work to verify the limit of the repairs and the type of repair to be performed. These limits shall be marked at the time of this survey.

Damage

- Promptly repair damages incurred during construction activities at no additional cost to the Owner/Engineer.

Quality Control

- **Manufacturer's Field Services:** The Material Manufacturer shall provide engineering field services to review the project and the selected material application prior to any preparation; to approve the applicator, the material used, and the procedure to be used; approving the surface preparation plan, and the application and curing procedures. The field representative shall instruct the applicator as needed to assure that handling, mixing, placing, and curing of materials are in accordance with the Specifications and Manufacturer's requirements.
- The Repair Contractor shall have experience and proficiency specific to the repair type and shall be acceptable to the Owner/Project Manager and Material Supplier. If requested, the Contractor shall submit a satisfactory experience record including references for previous application of the specified materials to concrete structures of similar design and complexity.



- The Contractor shall maintain the materials on site in a condition that will maintain their integrity and quality until time of placement. All materials will be preconditioned to the appropriate temperature and prepared in accordance with the Material Manufacturer's recommendations.

Disposal of Material

- Salvageable material shall become the property of the Owner, if the Owner requests any specific item. The Contractor shall dismantle all materials to such a size that it can be readily handled, and deliver any of this salvageable material requested by the Owner to a storage area designated by the Owner.
- Any materials that the Owner rejects shall become the Contractor's property and must be removed from the site.

Related Sections

- Section 09900 - Painting of Infrastructure

PART 2 - Products

Performance

- Substitutions to the materials in this Specification may only be made if submitted in writing and approved by the Owner/Project Manager.
- Concrete repair and restoration products/materials shall be manufactured by the following companies:
 - Euclid Chemical Company
 - BASF Corporation
 - Sika Corporation
 - Tnemec
 - PPG
 - Or equal.

Equivalent products from other manufacturers that regularly produce high-quality concrete and restoration products/materials, provide engineering field services, and meet the specified quality assurance requirements may be furnished subject to acceptance by the Owner/Project Manager.

Delivery, Storage, Handling & Environmental Requirements

- Extreme care shall be exercised in transporting and delivering repair materials. Special instructions for proper field handling and installation, as required or recommended by the



Manufacturer, shall be attached securely to the products and carefully followed by the Contractor or subcontractor(s).

- Any items not protected properly shall be assumed to have been damaged or contaminated and shall immediately be removed and replaced at no additional cost with the Owner/Project Manager.

Concrete Repair

- **Repair of Non-structural Shrinkage Cracks:**
 - Elastomeric ter-polymer sealant to bridge and seal cracks from 1/16” to ¼”.
 - Acceptable products: Lighthouse Products VIP 5000
- **Repair of Structural Cracks:**
 - Two components, 100% solid, moisture-tolerant, low viscosity, high strength, multi-purpose, epoxy resin adhesive.
 - Crack Injection Epoxy (All Cracks): Sikadur 35 Hi-Mod LV or equal
- **Repair of Leaking Cracks:**
 - Single component, low viscosity, hydrophilic MDI-based polyurethane resin.
 - Acceptable products: DeNeef Sealfoam PRe
- **Construction Joints:**
 - Two components, polyurethane-based, elastomeric sealant in self-leveling and non-sag formulations for use to bridge and seal construction joints in concrete structures.
 - Adhesion enhancing primer shall be used in all submerged applications.
 - Acceptable products: Sikaflex 2c with Sikaflex 429 primer.
- **Bonding Epoxy:**
 - Three components pre-proportioned, VOC compliant, water-based epoxy modified Portland cement bonding agent, that does not form a vapor barrier and contains a migratory corrosion inhibitor for use on concrete and steel.
 - Acceptable products: Euclid Chemicals Duralprep AC, Sika Armatec 110 EpoCem, EMACO P24
- **Resurfacing Concrete Less Than 1 Inch:**



- Trowelable horizontal resurfacing mortar for application thicknesses up to 3/8" (9.5mm). Cement-based, one-component, polymer-modified, fiber-reinforced concrete resurfacing mortar.
- Compressive Strength minimum 4,000 psi at 28 days per ASTM C 109
- Acceptable products: Euclid Chemical Company (The); Euco Re-Cover, Masterbuilders BASF Masteremaco 310, Sikatop 124
- **Patching Concrete Surfaces Less Than 2 Inches:**
 - Trowelable cement-based repair mortar for vertical and overhead repairs with integral polymer and microsilica with integral corrosion inhibitor.
 - Minimum 28-day compressive strength per ASTM C109: 5500 psi
 - Minimum 28-day flexural strength per ASTM C348: 1200 psi
 - Shrinkage per ASTM C157 50% RH: 0.10%
 - Acceptable products: Euclid Verticoat Supreme, Sikatop 122 Plus, MasterEmaco N425
- **Patching Concrete Surfaces Greater Than 2 Inches:**
 - Trowelable one-component or two-component polymer-modified, cementitious mortar containing a migratory corrosion inhibiting admixture and suitable for interior or exterior use.
 - Minimum compressive strength per ASTM C109 using 2-inch cubes:
 - 2,500 psi at 1 day
 - 6,000 psi at 7 days
 - 7,000 psi at 28 days
 - Minimum flexural strength per ASTM C348:
 - 650 psi at 7 days
 - 1,200 psi at 28 days
 - Bonding agent shall be a repair mortar scrub coat utilizing mixed product per Manufacturer's printed installation instructions.
 - The bonding agent shall be used for all trowel-applied mortars.
 - Acceptable products: MasterEmaco S440 CI BASF Verticoat Supreme, Euclid Speed Crete PM Euclid, SikaTop 123 Plus Sika



4.29 Execution

Concrete Repair

Unless otherwise specified, the Contractor shall prepare and apply all materials in strict accordance with the Manufacturer's printed installation instructions, which are hereby made part of this Specification.

- **Repair of Thin Shrinkage Cracks:**
 - Remove all loose material and dirt by mechanical means or pressure washing to open cracks.
 - Apply ter-polymer sealant over the cracks, pushing material into the crack and feathering the edges flush.
- **Repair of Larger Shrinkage Cracks (over 1/16 inch) (Non-structural):**
 - The cracks shall be enlarged using a crack chasing blade to approximately 1/4" wide by 1/4" deep.
 - The routed area should then be blown out to remove any dust or debris that may remain.
 - Seal the crack with a flexible ter-polymer sealant.
- **Repair of Shrinkage Cracks over ¼ inch:**
 - The cracks shall be enlarged using a crack chasing blade to approximately 3/8" wide by 3/8" deep.
 - The routed area should be blown out to remove any dust or debris that may remain.
 - Seal the crack with resurfacing concrete.
- **Repair of Concrete Spalls Less Than ½ Inch and Deformations:**
 - Pressure wash the area to remove all loose and deteriorated concrete.
 - Prepare the surface in accordance with the Manufacturer's recommendations, or CSP 3 minimum.
 - Apply material to the affected area, feathering edges back to the original grade so that the repair area blends with the adjoining surface.
- **Repair of Concrete Spalls Less Than 2 Inches:**
 - Remove any loose deteriorated concrete to the limits as determined in the inspection.
 - Square off edges per ICRI guidelines and chip back the concrete to provide a minimum depth of ¼" at the edges.



- Ensure concrete surface is prepared in accordance with the Manufacturer's recommendations, or CSP 4 minimum.
- Apply a surface repair using a polymer-modified non-shrink cementitious patching mortar with corrosion inhibitor and a bonding epoxy.
- **Repair of Concrete Spalls Greater Than 2 Inches:**
 - Remove any loose deteriorated concrete, chip completely behind, and expose any corroded steel (minimum of ¾" behind the bar), and chase any corroded bars until 6" minimum of clean steel is exposed.
 - Square off and chip back the concrete to provide a minimum depth of ¼".
 - Sandblast or mechanically remove corrosion products of the exposed steel and concrete surface.
 - Apply a surface repair using a polymer-modified non-shrink cementitious patching mortar with corrosion inhibitor and a bonding epoxy as required.
- **Repair of Actively Leaking Cracks (Epoxy Injection):**
 - Use a nonflammable, hydrophilic urethane grout to stop the leakage.
 - Polyurethane injection shall be carried out using a pressure pumping procedure, through injection ports. Injection ports shall be installed in sufficient number to allow injection of the epoxy without developing high pressure, which will damage the tank wall.
 - After polyurethane has been injected, injection ports will be removed.
 - After the injection ports have been removed, the areas at the injection ports will be repaired using a two-component, cement-based patching material, modified with an acrylic polymer. The surface will be prepared in accordance with the Manufacturer's recommendations prior to the application of the patching material.
- **Repair of Hollows and Non-Leaking Cracks within the Concrete Cross Section (Epoxy Injection):**
 - Use a two-component high modulus, low viscosity, high strength, 100% solid, epoxy resin adhesive.
 - Epoxy injection shall be carried out using a pressure pumping or gravity fill procedure, through injection ports. Injection ports shall be installed in sufficient number to allow injection of the epoxy without developing high pressure, which will damage the tank
 - After epoxy has been injected, injection ports will be removed.



- After the injection ports have been removed, the areas at the injection ports will be repaired using a two-component, cement-based patching material, modified with an acrylic polymer. The surface will be prepared in accordance with the Manufacturer's recommendations prior to the application of the patching material.



SECTION 5 - PRICE PROPOSAL / BID TABLE

The vendor must provide their pricing electronically through the designated line items listed on the Bid Sheet/Pricing Table via the City's e-Procurement portal on OpenGov.

Vendor Notes: The bid tables includes a “Vendor Notes” column for any additional comments regarding the requested line item(s). A comment is preferred in the “Vendor Notes” column. If the vendor does not need to submit any comments, they may leave it blank or enter N/A or similar.

Payment & Performance Bonds: The table includes a section for the vendor to submit pricing for Payment & Performance Bonds. If the total cumulative base proposal amount does not exceed \$200,000 and a Payment and Performance Bond is not required, please enter “0” on the “If Applicable, Cost for Payment and Performance Bond” column for each line item.

Primary Responses: The initial Bid Table is for the primary responses so that the vendors can submit the requested goods and/or services.

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total	Vendor Notes
1	Lump Sum for Exterior Painting of the Water Storage Tank	1	Lump Sum			
2	Crack Repair Approx. 50 LF	50	LF			
TOTAL						

Line Item	Description	Unit of Measure	Percentage	Vendor Notes
1	Cost to provide a Payment & Performance Bond for the project, in the form of a percent	Percent		



SECTION 6 - SUBMITTAL DOCUMENTS

Bids must be submitted electronically at <https://procurement.opengov.com/portal/pembrokepines> on or before **2:00 pm on Tuesday, April 21, 2026**. Please note vendors should be registered on OpenGov under the name of the organization that they are operating as and it should match the organization name on the documents that they are submitting and utilizing when responding to the solicitation. In addition, the vendor must complete the required documents in this section and provide any additional information requested throughout this solicitation. Any additional information requested in the solicitation should be scanned and uploaded. The City recommends for proposers to submit their proposals as soon as they are ready to do so. Please allow ample time to submit your proposals on the <https://procurement.opengov.com/portal/pembrokepines> website. Proposals may be modified or withdrawn prior to the deadline for submitting Proposals.

PLEASE DO NOT SUBMIT ANY PROPOSALS VIA MAIL, E-MAIL OR FAX.

Prospective proposers interested in responding to this solicitation are requested to provide all of the applicable information listed in this section. Submittals that do not respond completely to all of the requirements specified herein may be considered non-responsive and eliminated from the process. Brevity and clarity are encouraged.

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.*

Please confirm

*Response required

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.*

Please confirm

*Response required

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

No



*Response required

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

No

*Response required

When equals "Yes"

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

*Response required

When equals "No"

2.3.2 Please upload documentation showing that you have obtained a letter from your insurance broker or carrier, such as a Letter of Intent to Insure, Evidence of Insurability, or a Conditional Certificate of Insurance.*

Documentation should show that:

- You can obtain the required insurance.
- The limits and types of coverage will meet the INSURANCE REQUIREMENTS outlined in the solicitation.
- You will provide a COI upon contract award.

*Response required

When equals "No"

2.3.3 Please upload your current certificate(s) of insurance.*

*Response required

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

Yes

No

*Response required

When equals "Yes"

2.4.1 Please upload written documentation requesting an exemption on your company letterhead, subject to City approval.*

*Response required

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

Yes



No

*Response required

When equals "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?*

Yes

No

*Response required

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:

- A. Each reference provided by the Respondent has up to date contact persons and contact information;
- B. The contact person provided for each reference is someone who has personal knowledge of the Proposer's performance during the referenced project; and
- C. 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*

*Response required

3.2 Reference Contact Information - Reference's Business Address*

*Response required

3.3 Reference Contact Information - Reference's Contact Name & Title*

*Response required



3.4 Reference Contact Information - Reference's E-mail Address*
*Response required

3.5 Reference Contact Information - Reference's Phone Number*
*Response required

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

Yes

No

*Response required

3.7 Project Information - Name of Contactor Performing the Work*
*Response required

3.8 Project Information - Name and location of the project*
*Response required

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

3.10 Project Information - Project Duration*
*Response required

3.11 Project Information - Completion (Anticipated) Date*
*Response required

3.12 Project Information - Size of Project*
*Response required

3.13 Project Information - Cost of Project*
*Response required

4 REFERENCE # 2

4.1 Reference Contact Information - Name of Firm, City, County or Agency*
*Response required

4.2 Reference Contact Information - Reference's Business Address*
*Response required

4.3 Reference Contact Information - Reference's Contact Name & Title*
*Response required

4.4 Reference Contact Information - Reference's E-mail Address*
*Response required

4.5 Reference Contact Information - Reference's Phone Number*
*Response required



- 4.6 Project Information - Was your firm the prime contractor for the listed project?*
- Yes
- No

*Response required

- 4.7 Project Information - Name of Contactor Performing the Work*
- *Response required

- 4.8 Project Information - Name and location of the project*
- *Response required

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

- 4.10 Project Information - Project Duration*
- *Response required

- 4.11 Project Information - Completion (Anticipated) Date*
- *Response required

- 4.12 Project Information - Size of Project*
- *Response required

- 4.13 Project Information - Cost of Project*
- *Response required

5 REFERENCE # 3

- 5.1 Reference Contact Information - Name of Firm, City, County or Agency*
- *Response required

- 5.2 Reference Contact Information - Reference's Business Address*
- *Response required

- 5.3 Reference Contact Information - Reference's Contact Name & Title*
- *Response required

- 5.4 Reference Contact Information - Reference's E-mail Address*
- *Response required

- 5.5 Reference Contact Information - Reference's Phone Number*
- *Response required

- 5.6 Project Information - Was your firm the prime contractor for the listed project?*
- Yes
- No

*Response required



- 5.7 Project Information - Name of Contactor Performing the Work*
*Response required
- 5.8 Project Information - Name and location of the project*
*Response required
- 5.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for*
*Response required
- 5.10 Project Information - Project Duration*
*Response required
- 5.11 Project Information - Completion (Anticipated) Date*
*Response required
- 5.12 Project Information - Size of Project*
*Response required
- 5.13 Project Information - Cost of Project*
*Response required

6 REFERENCE # 4

- 6.1 Reference Contact Information - Name of Firm, City, County or Agency
- 6.2 Reference Contact Information - Reference's Business Address
- 6.3 Reference Contact Information - Reference's Contact Name & Title
- 6.4 Reference Contact Information - Reference's E-mail Address
- 6.5 Reference Contact Information - Reference's Phone Number
- 6.6 Project Information - Was your firm the prime contractor for the listed project?
 Yes
 No
- 6.7 Project Information - Name of Contactor Performing the Work
- 6.8 Project Information - Name and location of the project
- 6.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for
- 6.10 Project Information - Project Duration
- 6.11 Project Information - Completion (Anticipated) Date
- 6.12 Project Information - Size of Project
- 6.13 Project Information - Cost of Project

7 REFERENCE # 5



- 7.1 Reference Contact Information - Name of Firm, City, County or Agency
- 7.2 Reference Contact Information - Reference's Business Address
- 7.3 Reference Contact Information - Reference's Contact Name & Title
- 7.4 Reference Contact Information - Reference's E-mail Address
- 7.5 Reference Contact Information - Reference's Phone Number
- 7.6 Project Information - Was your firm the prime contractor for the listed project?
- Yes
- No
- 7.7 Project Information - Name of Contactor Performing the Work
- 7.8 Project Information - Name and location of the project
- 7.9 Project Information - Nature of the firm's responsibility on the project and work for which staff was responsible for
- 7.10 Project Information - Project Duration
- 7.11 Project Information - Completion (Anticipated) Date
- 7.12 Project Information - Size of Project
- 7.13 Project Information - Cost of Project

8 Specialty Concrete Repair and Rehabilitation Contractor (SCRR)

- 8.1 Specialty Concrete Repair and Rehabilitation Contractor (SCRR)*
- **Specialty Concrete Repair and Rehabilitation Contractor (SCRR) Qualifications:** The SCRR Contractor shall have a minimum of 10 previous and concurrent years of providing maintenance services on structures of similar sizes and types of those included in this specification to ensure to the owner that it has the organization, technical skill, quality control, reliability, and financial stability to maintain and guarantee the structures in accordance with the quality required by these specifications.
 - The SCRR Contractor shall provide a company profile detailing its experience with specialty concrete repair and rehabilitation.
 - The SCRR Contractor shall provide a copy of their current General Contractor's License for the state where the work will be performed.
 - The SCRR Contractor shall provide a complete record of experience showing ten previous and concurrent years of providing maintenance services on structures of similar sizes and types. The record shall include the size/type of structure, name, address, and telephone number of the Owner, and the year of construction.
 - The SCRR Contractor shall be able to provide letters of certification for application from the following list of manufacturers:
 - Tnemec
 - Sika
 - CIM
 - Euclid
 - Prime Resins



- PPG
- Sherwin Williams
- **Prestressed Concrete Qualifications:** The SCRR Contractor shall have no less than 10 years of experience in the design, construction, maintenance, and restoration of ANSI/AWWA D110 wire-wound, circular prestressed concrete tanks.
- **Licensed Design Professional Qualifications:** The SCRR Contractor shall employ a licensed design professional with no less than 5 years of experience in the design and construction of ANSI/AWWA D110 wire-wound, circular prestressed concrete tanks. The licensed design professional shall be a full-time staff member of the SCRR Contractor and shall be licensed to work in the state where the work is to be completed.
 - The SCRR Contractor shall provide a copy of the LDP's license for the state where the project is to be performed.
- **Safety Qualifications:** The SCRR Contractor shall have a full written safety manual to include programs for the following areas of safety: Confined Space, Personal Protective Equipment (PPE), and Scaffold.
 - The SCRR Contractor shall provide a copy of its safety manual and current certificates for all applicable training, such as Confined Space, PPE, Scaffold, etc.
 - The SCRR Contractor shall provide a copy of the safety professional's OSHA 500 certification.

*Response required

8.2 Approved Tank Coatings Applicator*

- Submit the name and experience record of the Painting Applicator. Include a list of utility or industrial installations painted, responsible officials, architects, or engineers concerned with the project and the approximate contract price.
- Furnish a statement to the Owner from the Coatings Manufacturer that materials to be used by the Contractor comply with the Manufacturer's recommendations.

*Response required

9 PROJECT DOCUMENTS

9.1 PROPOSERS BACKGROUND INFORMATION FORM*

- a. Please download the attached document, complete all required fields, and upload the completed form here.
 - [Proposers_Background_Inform...](#)

*Response required



- 9.2 PROPOSAL SECURITY (BID BOND FORM OR CASHIER'S CHECK)
- a. **In the event that your total cumulative base proposal amount exceeds \$200,000**, a Proposal Security shall be in an amount not less than of 5% of the total cumulative base amount proposed.
 - b. 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.
 - c. Contingency is not to be counted in the total amount the proposal security is based on.
 - d. Proposers must submit a scanned copy of their bid security (bid bond form or cashier's check) with their bid submittal through OpenGov.
 - e. 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.
 - f. The original Bid Bond or Cashier's Check should be in a sealed envelope, plainly marked "**BID SECURITY - PSUT-26-01 Exterior Stripping / Coating of Water Storage Tank Re-Bid**" and sent to the City of Pembroke Pines, City Clerk's Office, 4th Floor, 601 City Center Way, Pembroke Pines, Florida, 33025.
 - g. Please see [SPECIAL TERMS & CONDITIONS](#) of this document for additional information.

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

- 10.1 SWORN STATEMENT ON PUBLIC ENTITY CRIMES FORM*
- a. Please download the attached document, complete all required fields, and upload the completed form here.
 - [Sworn Statement on Public E...](#)

*Response required

- 10.2 Public Entity Crimes Status*
- 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.

B1) Convicted, final order did not place on the convicted vendor list.

B2) Convicted, listed, then removed.

B3) Convicted, not listed, action pending.

*Response required

10.3 Did you select option B1 or B2 above?*

Yes

No

*Response required

When equals "Yes"



10.3.1 Please upload a copy of the final order issued by the hearing officer of the State of Florida, Division of Administrative Hearings.*

*Response required

10.4 Did you select option B3 above?*

Yes

No

*Response required

When equals "Yes"

10.4.1 Please describe any action taken by or pending with the Department of General Services.*

*Response required

11 DRUG-FREE WORKPLACE CERTIFICATION

11.1 VENDOR DRUG FREE WORKPLACE CERTIFICATION FORM*

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

- [Vendor Drug-Free Workplace ...](#)

*Response required

11.2 Drug-Free Status*

Complies fully.

Does not comply.

*Response required

12 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).

12.1 NON-COLLUSIVE AFFIDAVIT*

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

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

*Response required



12.2 SCRUTINIZED COMPANY CERTIFICATION*

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

- [Scrutinized Company Certifi...](#)

*Response required

12.3 E-VERIFY SYSTEM CERTIFICATION*

- a. Please download the attached document, complete all required fields, and upload the completed form here.
- b. 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”).
- c. 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 Certificati...](#)

*Response required

12.4 HUMAN TRAFFICKING AFFIDAVIT*

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

- [Human Trafficking Affidavit...](#)

*Response required

13 VENDOR REGISTRATION

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

- 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.

Yes

No

*Response required

When equals "Yes"

13.1.1 What is your Vendor Number?*

*Response required

13.2 VENDOR INFORMATION FORM*

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

- [Vendor Information Form.pdf](#)

*Response required

13.3 FORM W-9 (REVISED MARCH 2024)*

- a. Please download the attached document, complete all required fields, and upload the completed form here.
- b. 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](#)

*Response required

14 OPTIONAL DOCUMENTATION

14.1 TRADE SECRETS

- a. 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.

- b. 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.
- c. 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.
- d. 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.

14.2 FINANCIAL STATEMENTS

- a. 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.
- b. 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.

14.3 ALTERNATIVES

- a. If you are submitting an alternative product, please upload any related information in this section (such as specification sheets, etc.).
- b. 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.

14.4 ADDITIONAL INFORMATION

- a. 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.

14.5 PROFESSIONAL LICENSES

- a. 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.
 1. 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.
 2. 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.



3. 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.

15 VENDOR CLASSIFICATION

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

- a. 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.

- b. 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).

Yes

No

*Response required

When equals "Yes"



15.1.1 Please indicate your Local Vendor Status*

Local Pembroke Pines Vendor (LPPV)

Local Broward County Vendor (LBCV)

*Response required

When equals "Yes"

15.1.2 Local Vendor Preference Certification*

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

- [Local Vendor Preference Cer...](#)

*Response required

When equals "Yes"

15.1.3 Local Business Tax Receipts*

1. If claiming Local Vendor Preference, please upload any previous business tax receipts to indicate that the business entity has maintained a permanent place of business for a minimum of one (1) year.

*Response required

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

- 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.
- 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).

Yes

No

*Response required

When equals "Yes"

15.2.1 Upload the "Determination Letter" from the United States Department of Veteran Affairs Center notifying the business that they have been approved as a Veteran Owned Small Business (VOSB)

When equals "Yes"



- 15.2.2 Upload Veteran Owned Small Business Certification(s) from any relevant agency(ies)
- 15.3 Is your firm a Minority-Owned Business Enterprise (MBE)?*
- Yes
- No

*Response required

When equals "Yes"

- 15.3.1 Please indicate the classification of your Minority-Owned Business Enterprise (MBE)*

Select all that apply

- African-American MBE
- Asian-American MBE
- Hispanic-American MBE
- Native-American MBE
- Other option not listed above

*Response required

When equals "Yes"

- 15.3.2 MBE Certification Documentation*

1. Upload your MBE Certification Documentation here, preferably with the State of Florida's Office of Supplier Diversity. If you have multiple MBE certifications, please combine them into one (1) document and upload.

*Response required

- 15.4 Is your firm a Woman-Owned Business Enterprise (WBE)?*
- Yes
- No

*Response required

When equals "Yes"

- 15.4.1 WMBE Certification Documentation*

1. Upload your WMBE Certification Documentation here, preferably with the State of Florida's Office of Supplier Diversity. If you have multiple WMBE certifications, please combine them into one (1) document and upload.

*Response required

- 15.5 Is your firm a HubZone Business / Labor Surplus Area Firm?*
- Yes
- No



*Response required

When equals "Yes"

- 15.5.1 HubZone Business / Labor Surplus Area Firm Certification Documentation*
1. Upload your HubZone Business / Labor Surplus Area Firm Certification Documentation, preferably with the U.S. Small Business Administration (SBA). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

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

- Yes
 No

*Response required

When equals "Yes"

- 15.6.1 SBE Certification Documentation*
1. Upload your SBE Certification Documentation from Broward County's Office of Economic and Small Business Development (OESBD). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

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

- Yes
 No

*Response required

When equals "Yes"

- 15.7.1 CBE Certification Documentation*
1. Upload your CBE Certification Documentation from Broward County's Office of Economic and Small Business Development (OESBD). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

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

- Yes
 No

*Response required

When equals "Yes"



15.8.1 DBE Certification Documentation*

1. Upload your DBE Certification Documentation from Broward County's Office of Economic and Small Business Development (OESBD). If you have multiple certifications, please combine them into one (1) document and upload.

*Response required

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

Yes

No

*Response required

When equals "Yes"

15.9.1 Other Vendor Classification Certification Documentation*

1. Upload your other Certification Documentation here. If you have multiple certifications, please combine them into one (1) document and upload.

*Response required



SECTION 7 - EVALUATION & SELECTION PROCESS

7.1 Qualifying & Selecting Firms

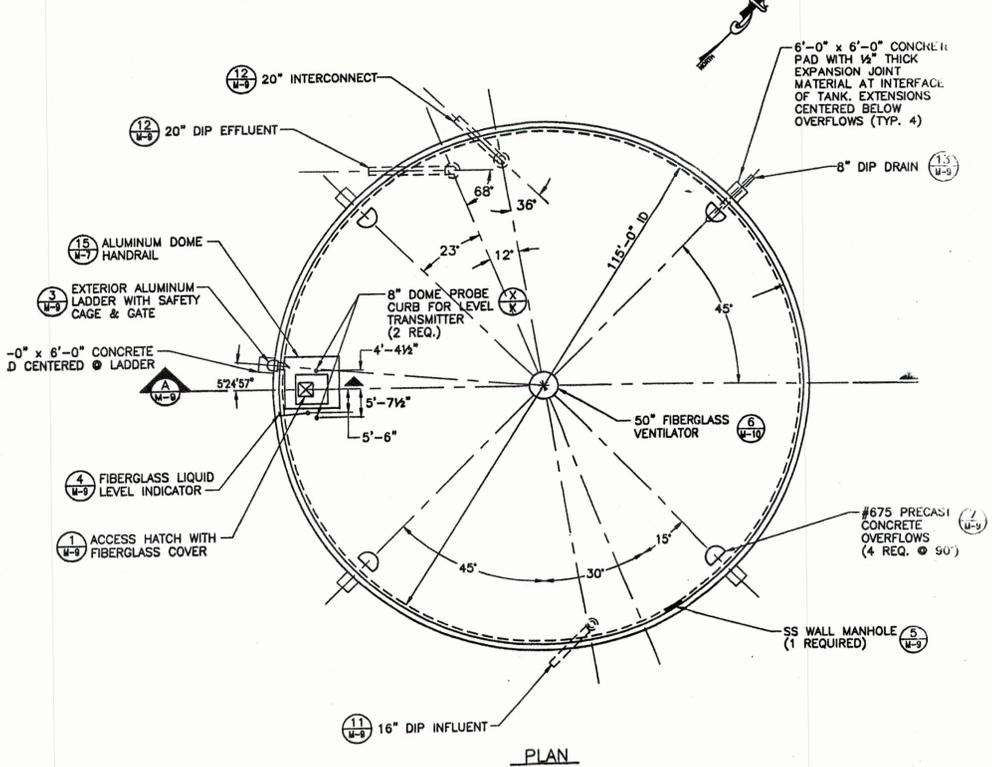
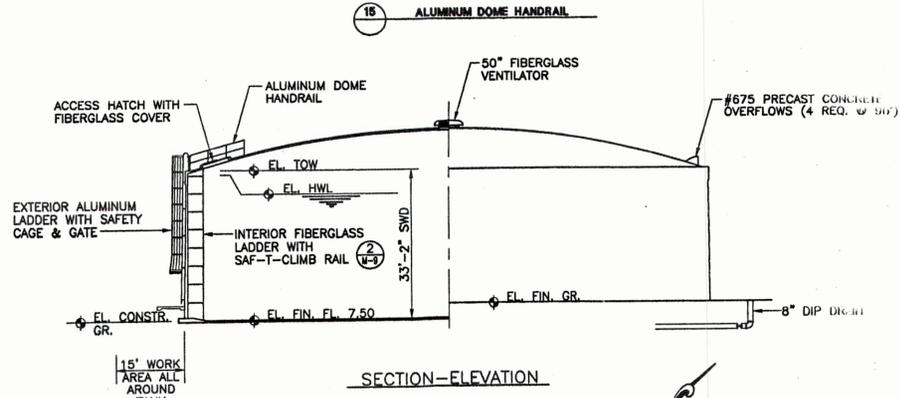
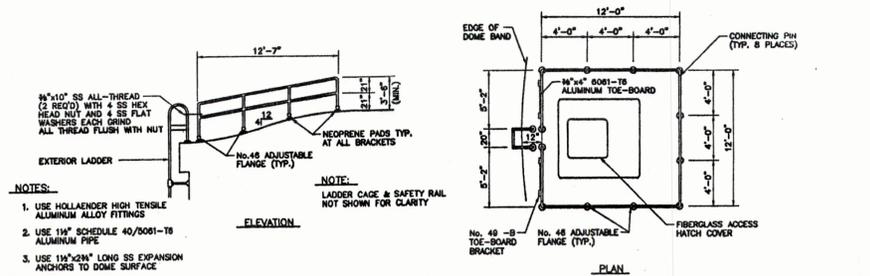
- A. Staff will evaluate all responsive proposals received from proposers who meet or exceed the bid requirements contained in the solicitation. Evaluations shall be based upon the information and references contained in the proposals as submitted.
- B. Staff will make a recommendation to the City Commission for award of contract.
- C. The contract shall be awarded to the most responsive/responsible bidder whose bid is determined to be the most advantageous to the City taking into consideration the evaluation criteria.

KARL M. KENNEDY
PROJECT ENGINEER
11/21/14
5460

THE HASKELL COMPANY
ARCHITECTS • ENGINEERS • CONTRACTORS
111 HENDERSON AVENUE • JACKSONVILLE, FLORIDA 32202 • 904/791-4000
EMAIL: THEHASKELL@THEHASKELL.COM

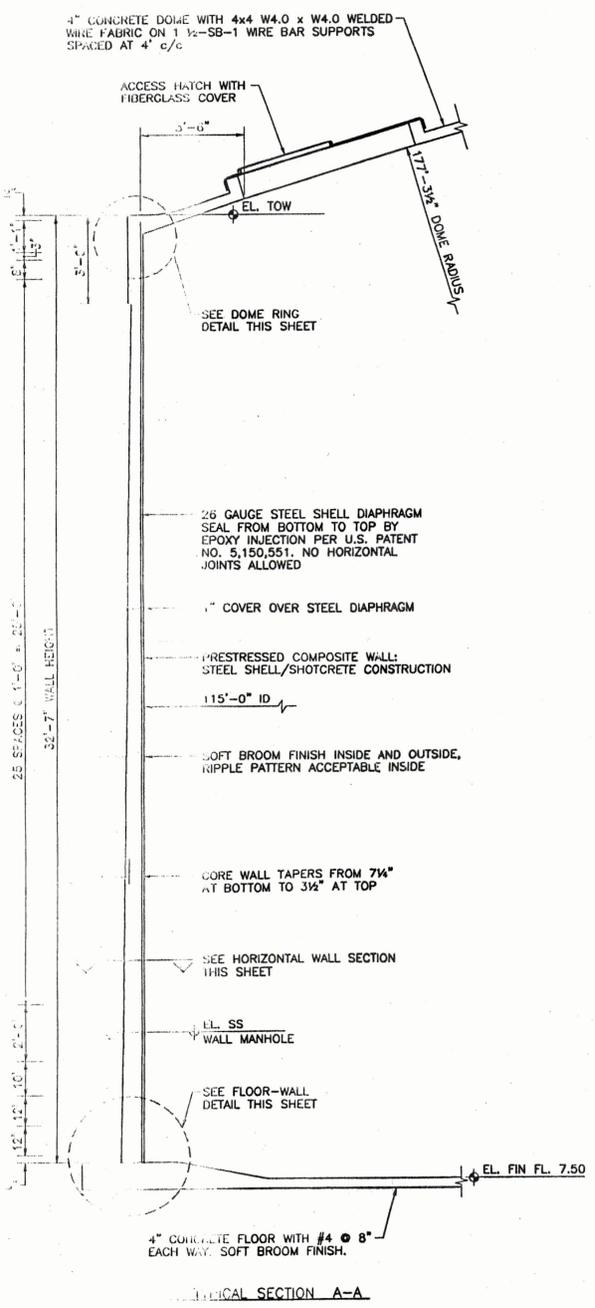
THE CITY OF PEMBROKE PINES
ACADEMIC VILLAGE
PEMBROKE PINES, FLORIDA

DATE	ISSUE/REVISION
	We hereby expressly reserve the property rights to this drawing and it is not to be reproduced, copied in any format or manner whatsoever without first obtaining our express written permission and consent.
DRAWN BY	CHECKED BY
M.J.O.	K.M.K.
AE JOB NUMBER	98-1054
SCALE:	N.T.S.
WATER TANK PLAN AND TANK SECTION	
M-8	
SHEET NUMBER	



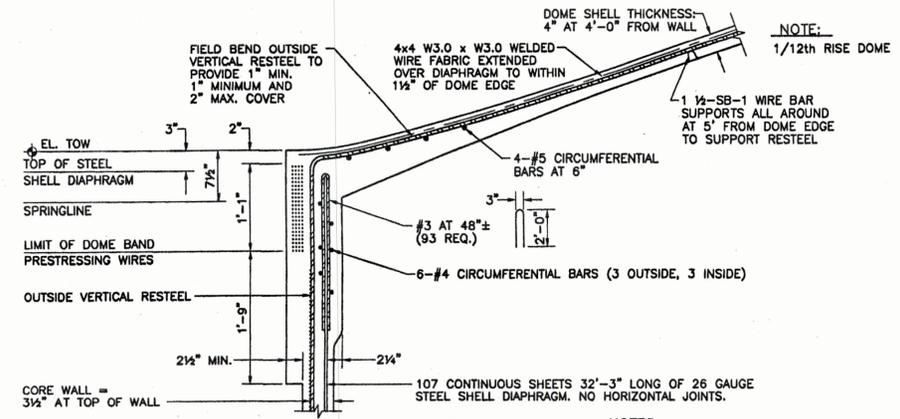
- LEGEND:**
- ⊕ DENOTES DETAIL NUMBER
 - ⊕ DENOTES PAGE NUMBER WHERE DETAIL APPEARS
 - ⊕ DENOTES SECTION LETTER
 - ⊕ DENOTES PAGE NUMBER WHERE SECTION APPEARS

- NOTES:**
- 1.) FIELD VERIFY ALL ACCESSORY & PIPE LOCATIONS WITH ENGINEER PRIOR TO PLACEMENT.
 - 2.) THESE DRAWINGS REPRESENT THE PRELIMINARY DESIGN, FOR FINAL DESIGN PLEASE SEE THE APPROVED CROM SHOP DRAWINGS.

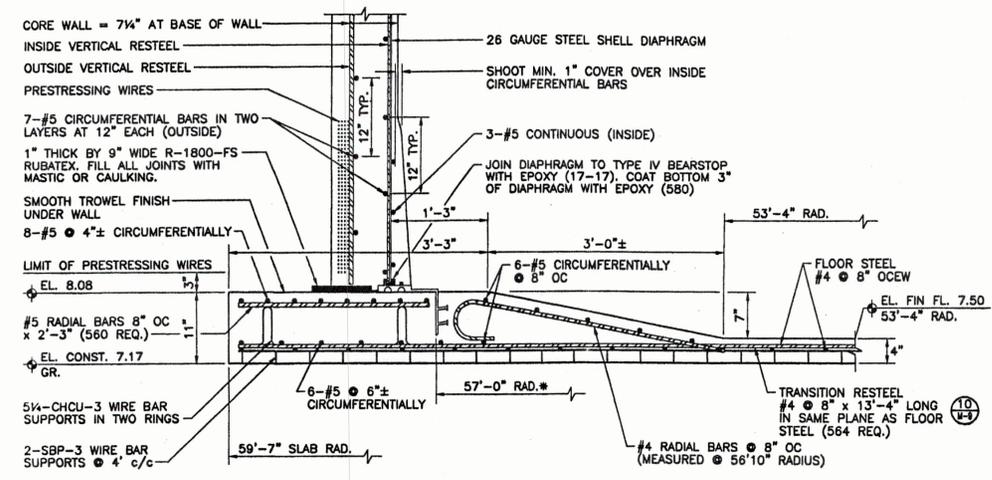
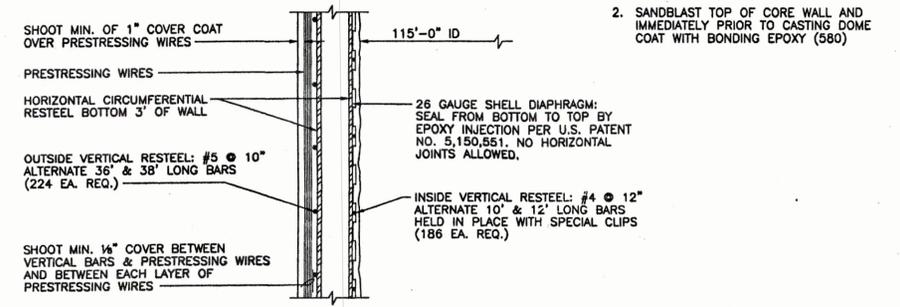


- NOTES:**
1. SHOTCRETE SHALL BE APPLIED BY OR UNDER DIRECT SUPERVISION OF NOZZLEMEN CERTIFIED IN ACCORDANCE WITH ACI GUIDELINES.
 2. BE MEASURED BY AN ELECTRONIC TENSION IN PRESTRESSING WIRE SHALL DIRECT-READING STRESSMETER ACCURATE TO WITHIN 2%.

NOTE: AS A CONDITION OF PERMIT, ALL CROSSINGS OF THE PROPOSED DIRECTIONAL BORE AND/OR OPEN TRENCH INSTALLATION WITH CITY UTILITIES SHALL BE VERIFIED FOR CONFIRMATION OF MINIMUM VERTICAL SEPARATION REQUIREMENTS BY WAY OF 'SOFT DIG' AND/OR EXCAVATION METHODS PRIOR TO THE START OF CONSTRUCTION.



- NOTES:**
1. SEAL DOME RIB BRACKET ANCHORS WITH 'THORITE'.
 2. SANDBLAST TOP OF CORE WALL AND IMMEDIATELY PRIOR TO CASTING DOME COAT WITH BONDING EPOXY (580)



- NOTE:** ADJUST LOCATION OF VERTICAL SECTION OF BEARSTOP TO ASSURE HORIZONTAL SECTION LAYS FLAT AND DIAPHRAGM GROOVE IS CORRECTLY LOCATED.

14 TYPICAL WALL DETAILS

P:\PROJECTS\981054 PINES BOOSTER PUMP STN\ENGINEERING\DRAWING FILES\09-MPL4.DWG ERIC 01-24-00

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