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IFB-373-26-JJ

SRWWTP TEMPORARY SODIUM HYPOCHLORITE SYSTEM

FOR THE

CITY OF HOLLYWOOD, FLORIDA (CITY)

IFB Issue Date: January 12, 2026

Questions Due Date: March 26, 2026

Submittal Due Date: April 2, 2026, 3:00 pm

City of Hollywood
IFB-373-26-JJ
SRWWTP Temporary Sodium Hypochlorite System

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1. SUMMARY

1.1. Summary

the construction of a new Temporary Sodium Hypochlorite System, including new above ground concrete structures and steel canopy system, new packaged meter pump skids and transfer pump, new dual-walled bulk sodium hypochlorite storage tanks, new above ground and buried dual-containment piping, new electrical, instrumentation and control, and all necessary appurtenances, start-up, commissioning, and site restoration to provide a complete and functioning system

1.2. Background

The City of Hollywood is a beachfront community located in southeastern Broward County midway between Miami and Fort Lauderdale. Founded by Joseph Young in 1925, Hollywood is approximately 30 square miles in size and is Broward's third-largest municipality with a population of roughly 153,000 residents. Hollywood has an average annual high temperature of 83 degrees and low temperature of 68 degrees.

Hollywood is home to more than 60 parks, seven golf courses, seven miles of pristine beaches, and the one-of-a-kind Hollywood Beach Broadwalk, a promenade that stretches nearly 2.5 miles along the Atlantic Ocean. Named one of America's Best Beach Boardwalks by Travel + Leisure magazine, this brick-paved thoroughfare hosts pedestrians, joggers, bicyclists, rollerbladers, and millions of others every year. Dozens of eateries and inns line the Broadwalk and the promenade also features the Hollywood Beach Theatre, a children's water playground at Charnow Park, and many other attractions. Hollywood Beach also offers dozens of luxury resort hotels and condominiums such as the Margaritaville Hollywood Beach Resort, Hyde Resort & Residences and Hollywood Beach Marriott. In addition to many independently owned and operated boutique inns and vacation properties.

Hollywood has steadily grown into a dynamic business hub with more than 10,000 companies in the City. Approximately 80 percent of Port Everglades, the world's second-busiest cruise port, is located in Hollywood and the port is home to Royal Caribbean's Allure of the Seas and Oasis of the Seas, the largest cruise liners in the world. Hollywood also provides easy access to Fort Lauderdale/Hollywood International Airport and Miami International Airport, a major gateway to Latin America. Hollywood also is home to the Memorial Healthcare System, the nation's fifth-largest healthcare network, its flagship hospital, Memorial Regional, and the Joe DiMaggio Children's Hospital, the largest free-standing children's healthcare facility in Broward County.

1.3. Timeline

Release Project Date	January 12, 2026

Pre-Proposal Meeting (Non-Mandatory)	January 20, 2026, 3:00pm Microsoft Teams Meeting ID: 212 835 328 952 1 Passcode: ud2ps33e Dial in by phone +1 689-206-0382,,999900230# United States, Orlando Find a local number Phone conference ID: 999 900 230#
Question Submission Deadline	March 26, 2026, 5:00pm
Proposal Submission Deadline	April 2, 2026, 3:00pm

2. INTRODUCTION

2.1. Purpose

The City of Hollywood, Florida (City) is seeking bids from qualified and experienced firms, hereinafter referred to as the Contractor or Bidder, to provide SRWWTP Temporary Sodium Hypochlorite System for the City, in accordance with the terms, conditions, and specifications contained in this solicitation. Responses to this solicitation are due by Thursday, April 2, 2026, by 3:00 pm, and will be opened in a virtual public setting on February 19, 2026 at 3:00 PM EST.

Submittals shall be received electronically through OpenGov, the City's eProcurement Portal ("Portal").

Submittals shall be considered an offer on the part of the bidder/proposer, which offer shall be deemed accepted upon approval of the City, and in case of default, the City reserves the right to accept or reject any or all bids/proposals, to waive irregularities and technicalities, and request new bids/proposals. The City also reserves the right to award any resulting agreement as it deems will best serve the interests of the city.

Submission of a bid/proposal shall serve as prima facie evidence that the Bidder/Proposer has examined this solicitation and is fully aware of all conditions affecting the provision of services and the evaluation criteria and scoring methodology as set forth in this solicitation document.

2.2. Pre-bid Conference and/or Site Visit (Non-Mandatory)

There will be a non-mandatory pre-bid conference and/or site visit scheduled for this solicitation. Attendance is required if the event is mandatory, and in the event that it is non-mandatory, it is strongly suggested that all Contractors attend the pre-bid conference and/or site visit to receive information that may be critical to their understanding of this solicitation.

Please keep in mind that site visits at other times might not be available. It is the sole responsibility of the Contractor to become familiar with the scope of the City's requirements prior to submitting a bid. No variation in price or conditions shall be permitted based upon a claim of ignorance. Submission of a bid will be considered evidence that the Bidder has familiarized themselves with the nature and extent of the work, equipment, materials, and labor required.

2.3. OpenGov ("Portal")

The City of Hollywood uses OpenGov, the e-Procurement Portal ("Portal") (https://procurement.opengov.com/portal/hollywoodfl) to administer the competitive solicitation process, including but not limited to soliciting proposals, issuing addenda, posting results and issuing notification of an intended decision.

The City shall not be responsible for a Proposer's inability to submit a proposal by the proposal end date and time for any reason, including issues arising from the use of the Portal.

2.4. Point of Contact

For information concerning procedures for responding to this solicitation, contact the Point of Contact within the Office of Procurement Services, Jean Joinville, Procurement Manager atjjoinville@hollywoodfl.org or by phone at (954) 921-3290, or Otis Thomas, Chief Procurement

Officer (CPO) at othomas@hollywoodfl.org or by phone at 954-921-3628. Such contact is to be for clarification purposes only. All questions must be submitted in writing via the Portal by Thursday, March 26, 2026, by 5:00 pm, in order to receive a timely response.

Project Manager: Giselle Hipolito, Senior Project Manager, Public Utilities, email: ghipolito@hollywoodfl.org, or by phone: (954) 805-3748.

For information concerning technical specifications, please utilize the question / answer feature provided by the Portal at https://procurement.opengov.com/portal/hollywoodfl. Questions of a material nature must be received prior to the cut-off date specified in the solicitation schedule. Material changes, if any, to the scope of services or bidding procedures will only be transmitted by written addendum. (See addendum section of Portal). Bidders please note: No part of your bid can be submitted via FAX. No variation in price or conditions shall be permitted based upon a claim of ignorance. Submission of a bid will be considered evidence that the Bidder has familiarized themselves with the nature and extent of the work, and the equipment, materials, and labor required. The entire bid response must be submitted in accordance with all specifications contained in this solicitation. The questions and answers submitted in the Portal shall become part of any contract that is created from this solicitation.

It is the sole responsibility of the Bidder to ensure that their bid is submitted electronically through the Portal at https://procurement.opengov.com/portal/hollywoodfl

2.5. Cone of Silence

The City of Hollywood City Commission adopted Ordinance No. O-2007-05, which created Section 30.15(F) imposing a Cone of Silence for certain City purchases of goods and Services.

The Cone of Silence refers to limits on communications held between vendors and vendor's representatives and City elected officials, management and staff during the period in which a Formal Solicitation is open.

The Ordinance does allow potential vendors or vendor's representatives to communicate with designated employees for the limited purpose of seeking clarification or additional information. The names and contact information of those employees that may be contacted for clarification or additional information are included in the solicitation.

The Cone of Silence does not prohibit a vendor or vendor's representative from communicating verbally, or in writing with the City Manager, the City Manager's designee, the City Attorney or the City Attorney's designee on those procurement items to be considered by the City Commission.

The Cone of Silence does not prohibit a vendor or vendor's representative from making public presentations at a duly noticed pre-bid conference or duly noticed evaluation committee meeting or from communicating with the City Commission during a duly noticed public meeting.

The Cone of Silence shall be imposed when a formal competitive solicitation has been issued and shall remain in effect until an award is made, a contract is approved, or the City Commission takes any other action which ends the solicitation.

To view the Cone of Silence, go to the City of Hollywood Code of Ordinance online, and view Section 30.15F

All communications regarding this bid should be sent in writing to the Procurement Services Division as identified in this bid.

3. SPECIAL TERM AND CONDITIONS

3.1. Addenda, Changes, and Interpretations

It is the sole responsibility of each firm to notify the Point of Contact utilizing the question / answer feature provided in the Portal and request modification or clarification of any ambiguity, conflict, discrepancy, omission or other error discovered in this competitive solicitation. Requests for clarification, modification, interpretation, or changes must be received prior to the Question and Answer (Q & A) Deadline. Requests received after this date may not be addressed. Questions and requests for information that would not materially affect the scope of services to be performed or the solicitation process will be answered within the question / answer feature provided in the Portal and shall be for clarification purposes only. Material changes, if any, to the scope of services or the solicitation process will only be transmitted by official written addendum issued by the City and uploaded to OpenGov as a separate addendum to the solicitation. Under no circumstances shall an oral explanation given by any City official, officer, staff, or agent be binding upon the City and should be disregarded. All addenda are a part of the competitive solicitation documents and each firm will be bound by such addenda. It is the responsibility of each to read and comprehend all addenda issued.

3.2. Changes and Alterations

Bidder may change or withdraw a Bid at any time prior to Bid submission deadline; however, no oral modifications will be allowed. Modifications shall not be allowed following the Bid deadline.

3.3. Bidder's Costs

The City shall not be liable for any costs incurred by Bidders in responding to this solicitation.

3.4. Pricing/Delivery

All pricing must include delivery and installation and be quoted FOB: Destination, unless specified otherwise in the #SCOPE OF WORK/SERVICES section.

3.5. Price Validity

Prices provided in this solicitation shall be valid for at least One-Hundred and Twenty (120) days from time of solicitation opening unless otherwise extended and agreed upon by the City and Bidder.

3.6. No Exclusive Contract

Bidder agrees and understands that the contract shall not be construed as an exclusive arrangement and further agrees that the City may, at any time, secure similar or identical services from another vendor at the City's sole option.

3.7. Responsive

In order to be considered responsive to the solicitation, the firm's bid shall fully conform in all material respects to the solicitation and all of its requirements, including all form and substance.

3.8. Responsible

In order to be considered as a responsible firm, firm shall be fully capable to meet all of the requirements of the solicitation and subsequent contract, must possess the full capability, including financial and technical, to perform as contractually required, and must be able to fully document the ability to provide good faith performance.

3.9. Minimum Qualifications

To be eligible for award of a contract in response to this solicitation, the Bidder must demonstrate that they have successfully completed services, as specified in the #SCOPE OF WORK/SERVICES section of this solicitation, are normally and routinely engaged in performing such services, and are properly and legally licensed (if required) to perform such work. In addition, the Bidder must have no conflict of interest with regard to any other work performed by the Bidder for the City.

3.10. Award of Contract

Award may be in the aggregate, or by line Item, or by group, whichever is determined to be in the best interest of the City. Award will be made to the responsive and responsible bidder, quoting the lowest price, for that product/service that will best serve the needs of the City.

The City also reserves the right to accept or reject any or all bids, part of bids, and to waive minor irregularities or variations to specifications contained in bids, and minor irregularities in the bidding process. The City also reserves the right to award the contract on a split order basis, lump sum basis, individual item basis, or such combination as shall best serve the interest of the City.

As applicable, the City shall comply with Section 287.05701, Florida Statutes, in not considering or giving preference for an award based on a vendor's social, political, or ideological interest.

3.11. Manufacturer/Brand/Model Specific Request

This is a manufacturer/brand/model specification. No substitutions will be allowed unless specified in **Section: SCOPE OF WORK/SERVICES**.

3.12. Contract Period

The initial contract term shall commence upon date of award by the City for a one (1) year term.

In the event services are scheduled to end because of the expiration of this contract, the Contractor shall continue the service upon the request of the City as authorized by the awarding authority. The extension period shall not extend for more than 120 days beyond the expiration date of the existing contract. The Contractor shall be compensated for the service at the rate in effect when this extension clause is invoked by the City.

3.13. Warranties of Usage

Any estimated quantities listed are for information and tabulation purposes only. No warranty or guarantee of quantities needed is given or implied. It is understood that the Contractor will furnish the City's needs as they arise.

3.14. Rules and Submittals of Bids

The signer of the bid must declare that the only person(s), company or parties interested in the proposal as principals are named therein; that the bid is made without collusion with any other person(s), company or parties submitting a bid; that it is in all respects fair and in good faith, without collusion or fraud; and that the signer of the bid has full authority to bind the principal bidder.

3.15. Conflict of Interests Prohibited

Any respondent submitting a response to this solicitation is responsible for being aware of, and complying with Section 34.02 of the City Code of Ordinances. If you have questions concerning whether you may or may not need to comply with the ordinance, please contact the City of Hollywood, Procurement Office at 954-921-3299.

3.16. Protest Procedure

Any respondent who is not recommended for award of a contract and who alleges a failure by the City to follow the City's Procurement Code or any applicable law may protest to the CPO, by delivering a letter of protest to the CPO in accordance with Section 38.52 of the City's Procurement Code within five days after a notice of intent to award is posted on the City's web site, OpenGov, City Clerk's Office, Open Government, and/or City's Sunshine Board (https://www.hollywoodfl.org/Archive.aspx?AMID=140).

3.17. Insurance Requirements

Insurance Requirements

Consultant shall maintain, at its sole expense, during the term of this agreement the following insurances:

All insurance policies shall be issued by companies authorized to do business under the laws of the State of Florida and satisfactory to the Owner. All companies be rated a minimum A-VII, as per A.M. Best Company's Key Rating Guide, latest edition.

Any sub-consultant shall supply such similar insurance required of the Consultant. Such certificates shall name the City as additional insured on the general liability and auto liability policies.

The Consultant shall furnish certificates of insurance to Risk Management for review and approval prior to the execution of this agreement. No failure to renew, material change or cancellation of, the insurance shall be effective without a 30-day prior written notice to and approval by the Owner.

Commercial General Liability

Prior to the commencement of work governed by this contract, the Consultant shall obtain General Liability Insurance. Coverage shall be maintained throughout the life of the contract and include, as a minimum:

Premises			Operations
Products	and	Completed	Operations
Personal	&	Advertising	Injury
Damages	to	rented	premises

The minimum limits acceptable shall be:

$1,000,000 Each Occurrence / $2,000,000 General Aggregate

The City of Hollywood shall be named as an Additional Insured.

The City of Hollywood must be the certificate holder per the following format:

City of Hollywood (Nothing else on this line)

Public Utilities

1621 N. 14th Ave

Hollywood, FL 33020

I understand and am responsible for the insurance requirements and corresponding due date as documented in this Bid.

Initial _____ Date _____

Commercial Automobile Liability Insurance

Recognizing that the work governed by this contract requires the use of vehicles, the Contractor, prior to the commencement of work, shall obtain Vehicle Liability Insurance. Coverage shall be maintained throughout the life of the contract and include, as a minimum, liability coverage for:

Owned, Non-Owned, and Hired Vehicles

The minimum limits acceptable shall be:

$300,000 Combined Single Limit

The City of Hollywood shall be named as Additional Insured in the Description of Operations Box.

The City of Hollywood must be the certificate holder per the following format:

City of Hollywood (Nothing else on this line)

Department Name & Room # (if applicable)

Department Address

Department Address

Workers' Compensation / Employers Liability

Prior to the commencement of work governed by this contract, the consultant shall obtain Workers' Compensation Insurance with limits sufficient to respond to the applicable State statues.

In addition, the Consultant shall obtain Employers' Liability Insurance with limits of not less than:

$500,000, bodily injury by accident
$500,000 bodily injury by disease, each employee
$500,000 bodily injury by disease, policy limit

I understand and am responsible for the insurance requirements and corresponding due date as documented in this Bid.

Initial _____ Date _____

Additional Coverage(s)

Please Note: The Certificate shall contain a provision that coverage afforded under the policy will not be cancelled until at least thirty (30) days prior written notice has been given to the City. Certificates of insurance, reflecting evidence of the required insurance, shall be provided to the City. In the event the Certificate of Insurance provided indicates that the insurance shall terminate and lapse during the period of this Agreement, the vendor shall furnish, at least thirty (30) days prior to the expiration of the date of such insurance, a renewed Certificate of Insurance as proof that equal and like coverage for the balance of the period of the Agreement or extension thereunder is in effect.

The insurance policy shall not contain any exceptions that would exclude coverage for risks that can be directly or reasonably related to the scope of goods or services in this bid/proposal. A violation of this requirement at any time during the term, or any extension thereof shall be grounds for the immediate termination of any contract entered in to pursuant to this bid/proposal. In order to show that this requirement has been met, along with an insurance declaration sheet demonstrating the existence of a valid policy of insurance meeting the requirements of this bid/proposal, the successful proposer must submit a signed statement from insurance agency of record that the full policy contains no such exception.
The City reserves the right to require additional insurance in order to meet the full value of the contract.

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

Consultant shall ensure that Consultant's insurance policy is primary and non-contributary.

The City reserves the right to require any other insurance coverage it deems necessary depending upon the exposures.

I understand and am responsible for the insurance requirements and corresponding due date as documented in this Bid.

Initial _____ Date _____

3.18. Uncontrollable Circumstances (Force Majeure)

The City and Contractor will be excused from the performance of their respective obligations under this agreement when and to the extent that their performance is delayed or prevented by any circumstances beyond their control including, fire, flood, explosion, strikes or other labor disputes, acts of God or public emergency, war, riot, civil commotion, malicious damage, act or omission of any governmental authority, delay or failure or shortage of any type of transportation, equipment, or service from a public utility needed for their performance, provided that:

A. The non performing party gives the other party prompt written notice describing the particulars of the Force Majeure including, but not limited to, the nature of the occurrence and its expected duration, and continues to furnish timely reports with respect thereto during the period of the Force Majeure;

B. The excuse of performance is of no greater scope and of no longer duration than is required by the Force Majeure; and

C. No obligations of either party that arose before the Force Majeure causing the excuse of performance are excused as a result of the Force Majeure; and

D. The non-performing party uses its best efforts to remedy its inability to perform. Notwithstanding the above, performance shall not be excused under this Section for a period in excess of two (2) months, provided that in extenuating circumstances, the City may excuse performance for a longer term. Economic hardship of the Contractor will not constitute Force Majeure. The term of the agreement shall be extended by a period equal to that during which either party's performance is suspended under this Section.

3.19. Supplier Portal (Oracle) Payment Method

The City has implemented software that contains a supplier portal allowing suppliers to submit and update their information via the supplier portal. New suppliers will be required to register; and current suppliers will need to confirm and update their information.

Firms are responsible for ensuring that all contact, payment, and general information is updated at all times, and will not hold the City liable for any inaccurate information.

3.20. Debarred or Suspended Bidders or Proposers

Firm(s) certifies, by submission of a response to this solicitation, that neither it nor its principals and subcontractors are presently debarred or suspended by any federal, state, county or municipal department or agency.

3.21. Public Records

A. **Public Records/Trade Secrets/Copyright:**
All responses will become the property of the City. The Consultant's response to the solicitation is a public record pursuant to Florida law and is subject to disclosure by the City pursuant to Chapter 119.07, Florida Statutes ("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, Florida Statutes.
Any language contained in the Consultant's response to the solicitation purporting to require confidentiality of any portion of the Consultant'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 Consultant submits any documents or other information to the City that the Consultant claims is Trade Secret information and exempt from Florida Statutes Chapter 119.07 ("Public Records Laws"), the Consultant shall clearly designate that it is a Trade Secret and that it is asserting that the document or information is exempt. The Consultant 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 Consultant's response to the solicitation constitutes a Trade Secret. The City's determination of whether an exemption applies shall be final, and the Consultant 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. In the event of Contract award, all documentation produced as part of the Contract shall become the exclusive property of the City. Proposals purporting to be subject to copyright protection in full or in part will be rejected.
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.

B. **PUBLIC RECORDS GENERAL**

IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT: (954-921-3211), pcerny@hollywoodfl.org, CITY CLERK'S OFFICE, 2600 HOLLYWOOD BLVD, HOLLYWOOD, FLORIDA 33020)

- Consultant shall:

- Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the service.
- Upon request from the City's custodian of public records, provide the City with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes.
- Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of this contract if the Consultant does not transfer the records to the City.
- Upon completion of the Contract, transfer, at no cost, to the City all public records in possession of the Consultant or keep and maintain public records required by the City to perform the service. If the Consultant transfers all public records to the City upon completion of this Contract, the Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of this Contract, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records, in a format that is compatible with the information technology systems of the City. It is solely and exclusively the Contractor's responsibility to familiarize itself with Chapter 119, Florida Statutes, and to ensure compliance with its requirements.

3.22. Tie Breaker

In cases where there is a tie for the bid award, the award shall be made by giving preference to the low bidder(s) with the following items (in this order): (1) maintenance of a drug-free workplace in accordance with the requirements of Florida Statutes Section 287.087, (2) local Hollywood vendor preference, (3) closest proximity/location to project site or City Hall, and/or (4) minority-owned or disadvantaged business status. If a tie still exists after the aforementioned tiebreakers are utilized, the Chief Procurement Officer will make a recommendation for award among the tied bidders.

3.23. Local Preference

When the lowest responsive responsible bidder is a non-Hollywood business and a responsive responsible local Hollywood vendor's Bid is within 5% of the Bid submitted by the lowest responsive responsible bidder, the local vendor is allowed to submit a second Bid. The second bid from the local Hollywood bidder must be lower than the bid submitted by the lowest responsive and responsible non-Hollywood bidder by at least 1% in order for the bid to be awarded to the local Hollywood bidder. If more than one responsive and responsible local Hollywood vendor is within 5%, each would be permitted to submit a best and final offer and the local Hollywood vendor submitting the lowest bid will be awarded the contract; provided, however, if none of the local Hollywood vendors bids are lower than the lowest responsive and responsible non-Hollywood bidder by at least 1%, the non- Hollywood bidder will be awarded the contract.

3.24. Contracting with Entities of Foreign Countries

By responding to this solicitation, your entity certifies and attests under penalty of perjury to not being a “foreign country of concern" as defined under Sections 287.138 and 692.202, Florida Statutes, and compliance with all regulations within the statutes.

3.25. Federal Procurement Standards

This solicitation shall be subject to Federal procurement standards as defined under Sections 200.317 through 200.327 of the Code of Federal Regulations (CFR) if funded by a Federal award, including all contract provisions/clauses under Section 200.327 of the CFR.

4. SCOPE OF WORK/SERVICES

4.1. Project Description

Work under this Contract consists of the construction of a new Temporary Sodium Hypochlorite System, including new above ground concrete structures and steel canopy system, new packaged meter pump skids and transfer pump, new dual-walled bulk sodium hypochlorite storage tanks, new above ground and buried dual-containment piping, new electrical, instrumentation and control, and all necessary appurtenances, start-up, commissioning, and site restoration to provide a complete and functioning system.

4.2. Contractor Qualifications

The contract will be awarded only to a responsive contractor qualified by experience to do the Work specified. The bidder shall submit, prior to award of contract, satisfactory evidence of his experience in like Work and that he is fully prepared with the necessary organization, capital, equipment and machinery to complete the Work to the satisfaction of the City within the time limit stated. In addition to the above, the Contractor shall satisfy the following criteria:

Successfully constructed and tested at least three (3) chemical storage and dosing systems for water or wastewater treatment. At least one project shall include the installation of a chemical system with double containment piping

4.3. Deliverable and Objectives

Refer to Attachment B General Conditions, Attachment C Supplementary General Conditions, Attachment D Technical Specifications and Attachment E Drawings

4.4. Project Schedule / Timeline

Add language for this titled section or revise/remove as needed.

4.5. Questions

Add language for this titled section or revise/remove as needed.

5. BID SUBMISSIONS

The responsibility for submitting a bid/proposal on or before the time and date is solely and strictly the responsibility of the bidder/proposer, the City will in no way be responsible for delays caused by technical difficulty or caused by any other occurrence. No part of a bid/proposal can be submitted via FAX or via direct Email to the City. No variation in price or conditions shall be permitted based upon a claim of ignorance.

5.1. VENDOR REFERENCE FORM*

Please download the below documents, complete, and upload.

- Vendor_Reference_Form.pdf

*Response required

5.2. HOLD HARMLESS AND INDEMNITY CLAUSE*

I, an authorized representative, the contractor, shall indemnify, defend and hold harmless the City of Hollywood, its elected and appointed officials, employees and agents for any and all suits, actions, legal or administrative proceedings, claims, damage, liabilities, interest, attorney' s fees, costs of any kind whether arising prior to the start of activities or following the completion or acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the contractor, or anyone acting under its direction, control, or on its behalf in connection with or incident to its performance of the contract.

☐ Please confirm

*Response required

5.3. NON-COLLUSION STATEMENT*

I , being first duly sworn, depose that:

A. He/she is an authorized representative of the Company, the Proposer that has submitted the attached Proposal.

B. He/she has been fully informed regarding the preparation and contents of the attached Proposal and of all pertinent circumstances regarding such Proposal;

C. Such Proposal is genuine and is not a collusion or sham Proposal;

D. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contractor for which the attached Proposal has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices, profit or cost element of the Proposal price or the

Proposal price of any other Proposer, or to secure an advantage against the City of Hollywood or any person interested in the proposed Contract; and

E. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

☐ Please confirm

*Response required

5.4. CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS*

The applicant certifies that it and its principals:

A. Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;

B. Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction, violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

C. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

D. Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.

☐ Please confirm

*Response required

5.5. DRUG-FREE WORKPLACE PROGRAM*

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

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

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

☐ Please confirm

*Response required

5.6. SOLICITATION, GIVING, AND ACCEPTANCE OF GIFTS POLICY *

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. "No Public officer, employee of an agency, local government attorney, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of the public officer, employee, local government attorney, or candidate would be influenced thereby." The term "public officer" includes "any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of Hollywood/Hollywood CRA policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City/CRA does business.

The State of Florida definition of "gifts" includes the following:

- Real property or its use,

- Tangible or intangible personal property, or its use,
- A preferential rate or terms on a debt, loan, goods, or services,
- Forgiveness of indebtedness,
- Transportation, lodging, or parking,
- Food or beverage,
- Membership dues,
- Entrance fees, admission fees, or tickets to events, performances, or facilities,
- Plants, flowers or floral arrangements
- Services provided by persons pursuant to a professional license or certificate.
- Other personal services for which a fee is normally charged by the person providing the services.
- Any other similar service or thing having an attributable value not already provided for in this section.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.

☐ Please confirm

*Response required

5.7. Certificate of Insurance*

See requirements in the #SPECIAL TERM AND CONDITIONS section.

*Response required

5.8. PROOF OF SUNBIZ REGISTRATION*

Enter company FEIN to be verified in Sunbiz

*Response required

5.9. ACKNOWLEDGMENT AND SIGNATURE PAGE

*5.9.1. If Corporation - Date Incorporated/Organized:**

*Response required

*5.9.2. State Incorporated/Organized:**

*Response required

*5.9.3. Remittance Address**

*Response required

*5.9.4. Bidder/Proposer's Authorized Representative's Typed Full Name**
*Response required

*5.9.5. IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER/PROPOSER CERTIFIES ACCEPTANCE OF THE TERMS, CONDITIONS, SPECIFICATIONS, ATTACHMENTS AND ANY ADDENDA. THE BIDDER/PROPOSER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER/PROPOSER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR THE PERIOD OF TIME STATED IN THE SOLICITATION.**
☐ Please confirm

*Response required

*5.9.6. THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF BIDDER/PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE BID/PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY BID/PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER/PROPOSER TO THE TERMS OF ITS OFFER.**
☐ Please confirm

*Response required

*5.9.7. BID FORM**
Please download the below documents, complete, and upload.

- Bid_Form_MASTER.docx

*Response required

5.10. SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

*5.10.1. This form statement is submitted to the City of Hollywood by:**
(Print individual's name and title) (Print name of entity submitting sworn statement)

*Response required

*5.10.2. Sworn Statement Continuation:**
Enter business address:

*Response required

5.10.3. Sworn Statement Continuation:*

Enter Federal Employer Identification Number (FEIN) is:

If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.

*Response required

5.10.4. Sworn Statement Continuation:*

I understand that “convicted” or “conviction” as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

*Response required

5.10.5. Sworn Statement Continuation:*

I understand that “Affiliate,” as defined in paragraph 287.133(1)(a), Florida Statutes, means:

1. A predecessor or successor of a person convicted of a public entity crime, or

2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term “affiliate” includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm’s length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

☐ Please confirm

*Response required

5.10.6. Sworn Statement Continuation:*

I understand that “person,” as defined in Paragraph 287.133(1)(e), Florida Statues, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity.

The term “person” includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity

☐ Please confirm

*Response required

5.10.7. Sworn Statement Continuation:*

Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

Division of Administrative Hearings, determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (attach a copy of the Final Order).

Select all that apply

☐ Neither the entity submitting sworn statement, nor any of its officers, director, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.
☐ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate 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.
☐ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime, but the Final Order entered by the Hearing Officer in a subsequent proceeding before a Hearing Officer of the State of the State of Florida,
*Response required

5.10.8. Sworn Statement Confirmation*

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER

FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC

ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR

YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT

PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD

AMOUNT PROVIDED IN SECTION 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF

ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

☐ Please confirm

*Response required

*5.10.9. Bid Submittal Form**

Please submit all forms

*Response required

6. PRICING (BID FORM)

The City is seeking bids/proposals from qualified vendors for the items listed below in accordance with the terms, conditions, and specifications contained in this solicitation.

Estimated quantities listed are for information and tabulation purposes only. No warranty or guarantee of quantities needed is given or implied. It is understood that the Contractor will furnish the City's needs as they arise.

TABLE 1

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Mobilization (shall not exceed 3% of the sum of Bid Items No. 7 through No. 13).	1	Lump Sum		
2	Maintenance of Traffic	1	Lump Sum		
3	Prevention, Control and Abatement of Erosion and Water Pollution	1	Lump Sum		
4	Record Drawings	1	Lump Sum		
5	Demobilization (shall not exceed 3% of the sum of Bid Items No. 2 and No. 3).	1	Lump Sum		
6	Consideration for Indemnification	1	10	$10.00	
7	All work associated with the Demolition Phase including but not limited to, all general, civil, mechanical, electrical, structural, instrumentation, controls work elements, as detailed in the Contract Documents.	1	Lump Sum		

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
8	All work required for the complete furnishing, delivery and installation of the Temporary Sodium Hypochlorite Facility. This item includes, but is not limited to, all general, civil (except separately listed items), mechanical, structural, architectural, electrical, instrumentation and control, equipment testing, startup services and construction sequencing required for a complete and operable system.	1	Lump Sum		
9	Asphalt	1,820	SY		
10	Curbing	90	LF		
11	Pavement Markings and Signage	1	Lump Sum		
12	Sidewalk	20	SY		
13	Miscellaneous Restoration	1	Lump Sum		
14	Allowance for Inspections and Testing, for the price of:	1	Allowance	$55,000.00	
15	Allowance for Permits, Licenses and Fees for Government Agencies, for the price of:	1	Allowance	$250,000.00	
16	Allowance for Undefined Conditions, for the price of:	1	Allowance	$225,000.00	
TOTAL					

7. GENERAL TERMS AND CONDITIONS

7.1. INTENT

It is the policy of the City to encourage full and open competition among all available qualified vendors. All vendors regularly engaged in the type of Work specified in the Bid Solicitation are encouraged to submit bids. To receive notification and to be eligible to bid vendor should be registered with OpenGov. Vendors may register with the OpenGov (registration is free) to be included on a mailing list for selected categories of goods and Services. In order to be processed for payment, any awarded vendor must register with the City by completing and returning a Vendor Application and all supporting documents. For information and to apply as a vendor, please visit our website at hollywoodfl.org to download an application and submit it to Procurement Services Division.

It is the intent of the City of Hollywood, FL ("the City"), through this solicitation and the contract conditions contained herein, to establish to the greatest possible extent complete clarity regarding the requirements of both parties to the agreement resulting from this solicitation.

Before submitting a bid/proposal, the Vendor shall be thoroughly familiarized with all contract conditions referred to in this document and any addenda issued before the bid/proposal submission date. Such addenda shall form a part of the SOLICITATION and shall be made a part of the contract. It shall be the Vendor's responsibility to ascertain that the bid/proposal includes all addenda issued prior to the bid/proposal submission date. Addenda will be posted on the City's internet site along with the SOLICITATION.

The terms of the SOLICITATION and the selected Vendor's bid/proposal and any additional documentation (e.g. questions and answers) provided by the Vendor during the solicitation process will be integrated into the final contract for services entered into between the City and the selected Vendor. The Vendor shall determine, by personal examination and by such other means as may be preferred, the conditions and requirements under which the agreement must be performed.

7.2. PROPOSER'S RESPONSIBILITIES

Proposers are required to submit their bids/proposals upon the following express conditions:

A. Proposers shall thoroughly examine the drawings, specifications, schedules, instructions and all other contract documents.

B. Proposers shall make all investigations necessary to thoroughly inform themselves regarding delivery of material, equipment or services as required by the SOLICITATION conditions. No plea of ignorance, by the proposer, of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the proposer to make the necessary examinations and investigations, or failure to fulfill in every detail the requirements of the contract documents, will be accepted as a basis for varying the requirements of the City or the compensation due the proposer.

C. Proposers are advised that all City contracts are subject to all legal requirements provided for in the City of Hollywood Charter, Code of Ordinances and applicable County Ordinances, State Statutes and Federal Statutes.

7.3. PREPARATION OF BIDS/PROPOSALS

Bids/proposals shall be prepared in accordance with the bid/proposal response format. Bids/proposals not complying with this format may be considered non-responsive and may be removed from consideration on this basis. Each proposer, by making a bid/proposal, represents that this document has been read and is fully understood.

Bids/proposals will be prepared in accordance with the following:

A. The City's enclosed bid/proposal Forms, in their entirety, are to be used in submitting your bid/proposal. NO OTHER FORM WILL BE ACCEPTED.

B. All information required by the bid/proposal form shall be furnished. The proposer shall sign each continuation sheet (where indicated) on which an entry is made.

C. Prices shall be shown and where there is an error in extension of prices, the unit price shall govern.

The City of Hollywood is exempt from payment to its vendors of State of Florida sales tax and, therefore, such taxes should not be figured into the SOLICITATION. However, this exemption does not apply to suppliers to the City in their (supplier) purchases of goods or services, used in work or goods supplied to the City. Proposers are responsible for any taxes, sales or otherwise, levied on their purchases, subcontracts, employment, etc. An exemption certificate will be signed where applicable, upon request. The City will pay no sales tax.

7.4. DESCRIPTION OF SUPPLIES

Any manufacturer's names, trade names, brand names, or catalog numbers used in these applications are for the purpose of describing and establishing minimum requirements or level of quality, standards of performance, and design required, and are in no way intended to prohibit the bidding of other manufacturers' items of equal material, unless specifications state "NO SUBSTITUTIONS."

Proposers must indicate any variances to the specifications, terms, and conditions, no matter how slight. If variations are not stated in the bid/proposal, it shall be construed that the bid/proposal fully complies with the Specifications, Terms and Conditions.

Proposers are required to state exactly what they intend to furnish; otherwise they shall be required to furnish the items as specified.

Proposers will submit, with their bid/proposal, necessary data (factory information sheets, specifications, brochures, etc.) to evaluate and determine the quality of the item(s) they are proposing.

The City shall be the sole judge of equality and its decision shall be final.

7.5. ADDENDA

The Procurement Services Division may issue an addendum in response to any inquiry received, prior to bid/proposal opening, which changes, adds to or clarifies the terms, provisions or requirements of the solicitation. The Proposer should not rely on any representation, statement or explanation, whether written or verbal, other than those made in this solicitation document or in any addenda issued. Where there appears to be a conflict between this solicitation and any addendum, the last addendum issued shall prevail. It is the proposer's responsibility to ensure receipt of all addenda and any accompanying documents. Proposer(s) shall acknowledge receipt of any formal Addenda electronically via the Portal as part of their bid/proposal. Failure to acknowledge receipt of formal addenda in its bid/proposal shall cause the City to deem the bid/proposal non-responsive provided, however, that the City may waive this requirement in its best interest.

7.6. REJECTION OF BIDS/PROPOSALS

To the extent permitted by applicable state and federal laws and regulations, the City reserves the right to reject any and all bids/proposals, to waive any and all informalities, irregularities and technicalities not involving price, time or changes in the commodities and/or services, and the right to disregard all nonconforming, non-responsive, unbalanced or conditional bids/proposals. Bids/proposals will be considered irregular and may be rejected if they show serious omissions, alterations in form, additions not called for, conditions or unauthorized alterations or irregularities of any kind.

The City also reserves the right to waive minor technical defects in a bid/proposal. The City reserves the right to determine, in its sole discretion, whether any aspect of a bid/proposal satisfies the criteria established in this Solicitation.

The City reserves the right to reject, in whole or in part, the bid/proposal of any Proposer if the City believes that it would not be in the best interest of the City to make an award to that Proposer, whether because the bid/proposal is not responsive or the Proposer is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criterion established by City.

The foregoing reasons for rejection of bids/proposals are not intended to be exhaustive.

The City may reject a bid/proposal if:

A. The Proposer fails to acknowledge receipt of an addendum, or if

B. The Proposer misstates or conceals any material fact in the bid/proposal, or if

C. The bid/proposal does not strictly conform to the law or requirements of the SOLICITATION, or if

D. The City is under a pre- lawsuit claim or current litigation with the proposer.

E. The Proposer fails to acknowledge receipt of an addendum, or if

F. The Proposer misstates or conceals any material fact in the bid/proposal, or if

G. The bid/proposal does not strictly conform to the law or requirements of the SOLICITATION, or if

H. The City is under a pre- lawsuit claim or current litigation with the proposer.

The City may reject all bids/proposals whenever it is deemed in the best interest of the City to do so, and may reject any part of a bid/proposal unless the bid/proposal has been qualified as provided in herein.

7.7. WITHDRAWAL OF BIDS/PROPOSALS

A. may not be withdrawn and shall be deemed enforceable for a period of 180 days after the time set for the SOLICITATION opening.

B. Bids/proposals may be withdrawn prior to the time set for the SOLICITATION opening. Such request must be in writing.

C. The City will permanently retain as liquidated damages the bid deposit furnished by any proposer who requests to withdraw a bid/proposal after the SOLICITATION opening.

7.8. BIDS/PROPOSALS TO REMAIN OPEN

All bids/proposals shall remain open for 180 calendar days after the day of the bid/proposal opening, but the City may, at its sole discretion, release any bid/proposal and return the bid/proposal Security prior to that date.

Extensions of time when bids/proposals shall remain open beyond the 180 day period may be made only by mutual written agreement between the City, the successful Proposer and the surety, if any, for the successful Proposer.

7.9. LATE BIDS/PROPOSALS OR MODIFICATIONS

Only bids/proposals received as of the opening date and time will be considered timely. Bids/proposals and modifications received after the time set for the opening will be returned un-opened to the sender and rejected as late.

7.10. CONFLICTS WITHIN THE SOLICITATION

Where there appears to be a conflict between the General Terms and Conditions, Special Conditions, the Technical Specifications, the SOLICITATION Submittal Section, or any addendum issued, the order of precedence shall be the last addendum issued, the SOLICITATION Submittal Section, the Technical Specifications, the Special Conditions, and then the General Terms and Conditions.

7.11. CLARIFICATION OR OBJECTION TO BID/PROPOSAL SPECIFICATIONS

If any person contemplating submitting a bid/proposal for this contract is in doubt as to the true meaning of the specifications or other SOLICITATION documents or any part thereof, they may submit requests for clarification to the Procurement Services Division on or before the date specified for a request for clarification. All such requests for clarification shall be made in writing electronically via the Portal and the person submitting the request will be responsible for its prompt delivery. Any interpretation of the SOLICITATION, if made, will be made only by Addendum duly issued. A copy of such Addendum will be made available to each person receiving a Solicitation. The City will not be responsible for any other explanation or interpretation of the SOLICITATION

given prior to the award of the contract. Any objection to the specifications and requirements as set forth in this SOLICITATION must be filed in writing via the Portal's Question and Answer (Q&A) tab with the Chief Procurement Officer on or before the date specified for a request for clarification.

7.12. COMPETENCY OF PROPOSERS

Pre-award inspection of the Proposer's facility may be made prior to the award of a contract. Bids/proposals will be considered only from firms which are regularly engaged in the business of providing the goods and/or services as described in this SOLICITATION(s); have a record of performance for a reasonable period of time; and have sufficient financial support, equipment and organization to ensure that they can satisfactorily deliver the material and/or services if awarded a Contract under the terms and conditions herein stated. The terms "equipment and organization" as used herein shall be construed to mean a fully equipped and well established company in line with the best business practices in the industry and as determined by the proper authorities of the City.

The City may consider any evidence available to it of the financial, technical and other qualifications and abilities of a proposer, including past performance (experience) in making the award in the best interest of the City. In all cases the City of Hollywood shall have no liability to any proposer for any costs or expense incurred in connection with this SOLICITATION or otherwise.

7.13. QUALIFICATIONS OF PROPOSERS

No Bid/proposal will be accepted from, nor will any contract be awarded to any person who is in arrears to the City upon any debt or contract, or who is a defaulter, as surety or otherwise, upon any obligation to City, or who is deemed responsible or unreliable by the City.

As part of the bid/proposal evaluation process, City may conduct a background investigation including a record check by the Hollywood Police Department. Proposer's submission of a bid/proposal constitutes acknowledgment of the process and consent to such investigation. City shall be the sole judge in determining a Proposer's qualifications.

7.14. CONSIDERATION OF BIDS/PROPOSALS

In cases where an item requested is identified by a manufacturer's name, trade name, catalog number, or reference, it is understood that the Vendor proposes to furnish the item so identified and does not propose to furnish an "equal" unless the proposed "equal" is pre-approved by the City.

References to any of the above are intended to be descriptive but not restrictive and only indicate articles that will be satisfactory. A bid/proposal of an "equal" will be considered, provided that the Vendor states in his bid/proposal exactly what he proposes to furnish, including sample, illustration, or other descriptive matter which will clearly indicate the character of the article covered by such bid/proposal. The designated City representative hereby reserves the right to approve as an "equal", or to reject as not being an "equal", any article proposed which contains major or minor variations from specifications requirements.

7.15. AWARD OF CONTRACT

If the Contract is to be awarded, it will be awarded, after evaluation by the City, to the responsible and responsive Proposer whom the City determines will be in the best interests of the City and not necessarily to the lowest cost Proposer. Proposers may be invited to an oral interview before the committee. A short list of finalists will be determined and presented to either the City Manager or his/her designee or to the City Commission, in accordance with the applicable City of Hollywood Code of Ordinances, and will make the final ranking for the purposes of negotiating a contract with the top ranked firm. The successful Proposer shall be required to sign a negotiated contract; the refusal or failure of a successful Proposer to execute a contract which contains the mandatory material terms and conditions contained in the SOLICITATION, shall be grounds for deeming the Proposer and/or the Proposer's bid/proposal non-responsive.

If applicable, the Proposer to whom award is made shall execute a written contract prior to award by the City Commission. If the Proposer to whom the first award is made fails to enter into a contract as herein provided, the Contract may be let to the next highest ranked Proposer who is responsible and responsive in the opinion of the City.

7.16. BASIS FOR AWARD, EVALUATION CRITERIA AND QUESTIONS

The qualification of bid/proposal responders on this project will be considered in making the award. The City is not obligated to accept any bid/proposal if deemed not in the best interest of the City to do so. The City shall make award to a qualified proposer based on fees submitted and responses to this SOLICITATION.

Failure to include in the bid/proposal all information outlined herein may be cause for rejection of the bid/proposal.

The City reserves the right to accept or reject any and all bids/proposals, in whole or in part, as determined to be in the best interest of the City in its sole discretion.

The City reserves the right to waive any informalities or irregularities in bids/proposals.

The City reserves the right to negotiate separately the terms and conditions or all or any part of the bids/proposals as deemed to be in the City's best interest in its sole discretion.

Information and/or factors gathered during interviews, negotiations and any reference checks, and any other information or factors deemed relevant by the City, shall be utilized in the final award. The final award of a contract is subject to approval by the City Commission.

7.17. AGREEMENT

An agreement shall be sent to the awarded proposer to be signed, witnessed, and returned to the City for execution. The City will provide a copy of the fully executed agreement to the awarded proposer.

7.18. NOTICE TO PROCEED

A signed purchase order, blanket purchase order or fully executed agreement will be the Proposer's authorization to proceed and may substitute for a "Notice to Proceed" form.

7.19. BID PROTESTS

The City shall provide notice of its intent to award or reject to all Proposers by posting such notice on the City's website.

After a notice of intent to award a contract is posted, any actual or prospective proposer who is aggrieved in connection with the pending award of the contract or any element of the process leading to the award of the contract may protest to the Director of Procurement Services. A protest must be filed within five business days after posting or any right to protest is forfeited. The protest must be in writing, must identify the name and address of the protester, and must include a factual summary of, and the basis for, the protest. Filing shall be considered complete when the protest, including a deposit, is received by the Procurement Services Division. Failure to file a protest within the time-frame specified herein shall constitute a full waiver of all rights to protest the City's decision regarding the award.

The written protest shall state in detail the specific facts and law or ordinance upon which the protest of the proposed award is based, and shall include all pertinent documents.

A written protest may not challenge the relative weight of evaluation criteria or a formula for assigning points.

Upon receipt of a formal written protest, the City shall stop award proceedings until resolution of the protest; unless it has been determined that the award of the contract without delay is necessary to protect substantial interests of the City.

Any and all costs incurred by a protesting party in connection with a bid protest shall be the sole responsibility of the protesting party.

Upon receipt of a protest of the pending award of a contract, a copy of the protest shall promptly be forwarded to the City Attorney. The City Attorney shall thereupon review the charge to determine its sufficiency, including whether the protest was timely filed. If upon review the City Attorney determines that the charge is insufficient, the City Attorney may issue a summary dismissal of the protest. If upon review the City Attorney determines that the charge is sufficient, a hearing of the protest committee shall be scheduled.

A protest committee shall have the authority to review, settle and resolve the protest. The committee shall consist of three members appointed by the City Manager. The committee's review shall be informal.

If the protest committee determines that the pending award of a contract or any element of the process leading to the award involved a significant violation of law or applicable rule or regulation, all steps necessary and proper to correct the violation shall be taken. If the committee determines that the protest is without merit,

The Director shall promptly issue a decision in writing stating the reason for the decision and furnish a copy to the protester and any other interested party, and the process leading to the award shall proceed.

7.20. REQUIREMENTS FOR SIGNING BIDS/PROPOSALS

Requirements for Signing Bid/Proposal:

A. The bid/proposal must be signed in ink by an individual authorized to legally bind the person, partnership, company, or corporation submitting the bid/proposal. In cases where the bid/proposal is signed by a deputy or subordinate, the principal's proper written grant of authority to such deputy or subordinate must accompany the bid/proposal.

B. Bids/proposals by corporations must be executed in the corporate name by the President or other corporate officers accompanied by evidence of authority to sign. The corporate address and state of incorporation must be shown below the signature.

C. Bids/proposals by partnerships must be executed in the partnership name and signed by a general partner whose title must appear under the signature and the official address of the partnership must be shown below the signature.

D. All manual signatures must have the name typed directly under the line of the signature

E. The above requirements apply to all SOLICITATION addenda.

7.21. EXAMINATION OF BID/PROPOSAL DOCUMENTS

Before submitting a bid/proposal, each Proposer must: examine the bid/proposal Documents thoroughly; consider federal, state and local laws, ordinances, rules and regulations that may in any manner affect cost, progress, performance, or provision of the commodities and/or services; study and carefully correlate Proposer's observations with the bid/proposal Documents, and notify the City's agent of all conflicts, errors and discrepancies in the bid/proposal Documents.

The submission of a bid/proposal will constitute an incontrovertible representation by the Proposer, that the Proposer has complied with every requirement of this SOLICITATION, that without exception, the bid/proposal is premised upon performing the services and/or furnishing the commodities and materials in accordance with such means, methods, techniques, sequences or procedures as may be indicated in or required by the bid/proposal Documents, and that the bid/proposal Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions of performance and furnishing of the goods and/or services.

7.22. PUBLIC RECORDS LAW

If applicable, for each public agency contract for services, the Proposer is required to comply with F.S. 119.0701, which includes the following:

A. Keep and maintain public records that ordinarily and necessarily would be required by the public agency in order to perform the service.

B. Provide the public with access to public records on the same terms and conditions that the public agency would provide the records and at a cost that does not exceed the cost provided in F.S. Chapter 119 or as otherwise provided by law.

C. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.

D. Meet all requirements for retaining public records and transfer, at no cost, to the public agency, all public records in possession of the proposer upon termination of the contract

and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the public agency in a format that is compatible with the information technology systems of the public agency.

Public records may be inspected and examined by anyone desiring to do so, at a reasonable time, under reasonable conditions, and under supervision by the custodian of the public record. Sealed Bids/proposals become subject to the public records disclosure requirements of FS. Chapter 119, notwithstanding a proposers' request to the contrary, at the time the City provides notice of a decision or intended decision, or 30 days after the bid/proposal opening, whichever is earlier.

Financial statements submitted in response to a request by the City may be confidential and exempt from disclosure.

Data processing software obtained under a licensing agreement which prohibits its disclosure may also exempt.

Proposers are hereby notified and agree that all information submitted as part of, or in support of SOLICITATION submittals will be available for public inspection after opening of SOLICITATION in compliance with Chapter 119 of the Florida Statutes. The proposer shall not, unless required as part of this SOLICITATION, submit any information in response to this invitation which the proposer considers to be a trade secret, proprietary or confidential. The submission, not required as part of this this SOLICITATION, of any information to the City in connection with this invitation shall be deemed conclusively to be a waiver of any trade secret or other protection, which would otherwise be available to the proposer.

7.23. INFORMATION

For information concerning procedure for responding to this Solicitation (SOLICITATION), contact the Point of Contact in the Section: INTRODUCTION - Point of Contact. Such contact shall be for clarification purposes only. **It is preferred that all other questions be submitted in writing via the Portal at least 10 calendar days prior to the bid/proposal due/opening date.**

7.24. MODIFICATION AND WITHDRAWAL OF BIDS/PROPOSALS

Bids/proposals must be modified or withdrawn electronically via the Portal at any time prior to the deadline for submitting bids/proposals. Withdrawal of a bid/proposal will not prejudice the rights of a Proposer to submit a new bid/proposal prior to the bid/proposal date and time. Except where provided in the following paragraph no bid/proposal may be withdrawn or modified after expiration of the period for receiving bids/proposals.

If, within twenty-four (24) hours after bids/proposals are opened, any Proposer files a duly signed written notice with the City and within five (5) calendar days thereafter demonstrates to the reasonable satisfaction of the City by clear and convincing evidence that there was a material and substantial mistake in the preparation of its bid/proposal, or that the mistake is clearly evident on the face of the bid/proposal but the intended correct bid/proposal is not similarly evident, then the Proposer may withdraw its bid/proposal and the bid/proposal Security will be returned.

7.25. OPEN END CONTRACT

No guarantee is expressed or implied as to the total quantity of commodities/services to be purchased under any open end contract. Estimated quantities will be used for bid/proposal comparison purposes only. The City reserves the right to issue purchase orders as and when required, or a blanket purchase order and release partial quantities as and when required or any combination of the preceding.

ORDERING: The CITY reserves the right to purchase commodities/services specified herein through Contracts established by other governmental agencies or through separate procurement actions due to unique or special needs. If an urgent delivery is required within a period shorter than the delivery time specified in the contract, and if the seller is unable to comply therewith, the City reserves the right to obtain such delivery from others without penalty or prejudice to the City or to the Proposer.

7.26. AUDIT RIGHTS

The City reserves the right to audit the records of the successful Proposer for the commodities and/or services provided under the Contract at any time during the performance and term of the Contract and for a period of three (3) years after completion and acceptance by the City. If required by the City, the successful Proposer agrees to submit to an audit by an independent certified public accountant selected by the City. The successful Proposer shall allow the City to inspect, examine and review the records of the successful Proposer in relation to this contract at any and all times during normal business hours during the term of the Contract.

7.27. LOCAL, STATE AND FEDERAL COMPLIANCE REQUIREMENTS

The Proposer shall comply with all local, state and federal directives, orders and laws as applicable to this SOLICITATION and subsequent contract(s) including, but not limited to:

A. Equal Employment Opportunity (EEO), in compliance with Executive Order 11246 as amended and applicable to this contract.

B. All manufactured items and fabricated assemblies shall comply with applicable requirements of the Occupation Safety and Health Act of 1970 as amended, and be in compliance with Chapter 442, Florida Statutes. Any toxic substance listed in Section 38F-41.03 of the Florida Administrative Code delivered as a result of this order must be accompanied by a completed Material Safety Data Sheet (MSDS).

C. The Immigration and Nationality Act prohibits (i) the employment of an unauthorized alien when the employer knows the individual is an unauthorized alien and (ii) the employment of an individual without complying with the requirements of the federal employment verification system. If a proposer commits either of these violations, such violation shall be cause for unilateral cancellation of the contract.

D. This Section applies only to any contract for goods or services of $1 million or more: The Proposer certifies that it is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List

and that it does not have business operations in Cuba or Syria as provided in section 287.135, Florida Statutes (2011), as may be amended or revised. The City may terminate this Contract at the City's option if the Proposer is found to have submitted a false certification as provided under subsection (5) of section 287.135, Florida Statutes (2011), as may be amended or revised, or been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List or has engaged in business operations in Cuba or Syria, as defined in Section 287.135, Florida Statutes (2011), as may be amended or revised.

7.28. FRAUD AND MISREPRESENTATION

Any individual, corporation or other entity that attempts to meet its contractual obligations with the City through fraud, misrepresentation or material misstatement, may be debarred from doing business with the City. The City as further sanction may terminate or cancel any other contracts with such individual, corporation or entity. Such individual or entity shall be responsible for all direct or indirect costs associated with termination or cancellation, including attorney's fees.

7.29. DEBARRED OR SUSPENDED BIDDERS OR PROPOSERS

The proposer certifies, by submission of a response to this solicitation, that neither it nor its principals and subproposers are presently debarred or suspended by any Federal department or agency.

7.30. COLLUSION

More than one bid/proposal received for the same work from an individual, firm, partnership, corporation or association under the same or different names will not be considered. Reasonable grounds for believing that any Proposer is interested in more than one bid/proposal for the same work will cause the rejection of such bin which the Proposer is interested. If there are reasonable grounds for believing that collusion exists among the Proposers, the bids/proposals of participants in such collusion will not be considered.

7.31. COPELAND "ANTI-KICKBACK"

The Proposer and all subproposers will comply with the Copeland Anti-Kickback Act (18 U.S.C. 874) as supplemented in Department of Labor regulations (29 CFR Part 3).

7.32. FORCE MAJEURE

The Agreement which is awarded to the successful proposer may provide that the performance of any act by the City or Proposer hereunder may be delayed or suspended at any time while, but only so long as, either party is hindered in or prevented from performance by acts of God, the elements, war, rebellion, strikes, lockouts or any cause beyond the reasonable control of such party, provided however, the City shall have the right to provide substitute service from third parties or City forces and in such event the City shall withhold payment due the Proposer for such

period of time. If the condition of force majeure exceeds a period of 14 days the City may, at its option and discretion, cancel or renegotiate this Agreement.

7.33. PUBLIC ENTITY CRIMES

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a proposer, supplier, subproposer, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statutes, Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

7.34. DRUG-FREE WORKPLACE PROGRAM

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

7.35. SOLICITATION, GIVING, AND ACCEPTANCE OF GIFTS POLICY

Proposer shall sign and submit the attached form indicating understanding and compliance with the City's and State's policies prohibiting solicitation and acceptance of gifts by public officers, employees and candidates. Failure to submit the signed form will result in your bid/proposal being declared non-responsive; provided, however, that a responsible proposer whose bid/proposal would be responsive but for the failure to submit the signed form in its bid/proposal may be given the opportunity to submit the form to the City within five calendar days after notification by the City, if this is determined to be in the best interest of the City.

7.36. CONFLICT OF INTEREST

The Proposer represents that:

No officer, director, employee, agent, or other consultant of the City or a member of the immediate family or household of the aforesaid has directly or indirectly received or been promised any form of benefit, payment or compensation, whether tangible or intangible, in connection with the grant of this Agreement.

There are no undisclosed persons or entities interested with the Proposer in this Agreement. This Agreement is entered into by the Proposer without any connection with any other entity or person making a bid/proposal for the same purpose, and without collusion, fraud or conflict of interest. No elected or appointed officer or official, director, employee, agent or other consultant of the City, or of the State of Florida (including elected and appointed members of the legislative and executive branches of government), or member of the immediate family or household of any of the aforesaid:

A. Is interested on behalf of or through the Proposer directly or indirectly in any manner whatsoever in the execution or the performance of this Agreement, or in the services, supplies or work, to which this Agreement relates or in any portion of the revenues; or

B. Is an employee, agent, advisor, or consultant to the Proposer or to the best of the Proposer's knowledge, any subproposer or supplier to the Proposer.

Neither the Proposer nor any officer, director, employee, agent, parent, subsidiary, or affiliate of the Proposer shall have an interest which is in conflict with the Proposer's faithful performance of its obligations under this Agreement; provided that the City, in its sole discretion, may consent in writing to such a relationship, and provided the Proposer provides the City with a written notice, in advance, which identifies all the individuals and entities involved and sets forth in detail the nature of the relationship and why it is in the City's best interest to consent to such relationship.

The provisions of this Article are supplemental to, not in lieu of, all applicable laws with respect to conflict of interest. In the event there is a difference between the standards applicable under this Agreement and those provided by statute, the stricter standard shall apply.

In the event the Proposer has no prior knowledge of a conflict of interest as set forth above and acquires information which may indicate that there may be an actual or apparent violation of any of the above, the Proposer shall promptly bring such information to the attention of the City's Project Manager. The Proposer shall thereafter cooperate with the City's review and investigation of such information, and comply with the instructions the Proposer receives from the Project Manager in regard to remedying the situation.

7.37. DISCRIMINATION

Any entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid/proposal on a contract to provide goods or services to a public entity, may not submit a bid/proposal on a contract with a public entity for construction or repair of a public building or public work, may not submit bids/proposals on leases of real property to a public entity, may not award or perform work as a proposer, supplier, subproposer, or consultant under contract with any public entity, and may not transact business with any public entity.

7.38. ADVICE OF OMISSION OR MISSTATEMENT

In the event it is evident to a Vendor responding to this SOLICITATION that the City has omitted or misstated a material requirement to this SOLICITATION and/or the services required by this SOLICITATION, the responding Vendor shall advise the contact identified in the SOLICITATION Clarifications and Questions section above of such omission or misstatement.

7.39. CONFIDENTIAL INFORMATION

Information contained in the Vendor's bid/proposal that is company confidential must be clearly identified in the bid/proposal itself. The City will be free to use all information in the Vendor's bid/proposal for the City's purposes, in accordance with State Law. Vendor bids/proposals shall remain confidential for 30 days or until a notice of intent to award is posted, which is sooner. The Vendor understands that any material supplied to the City may be subject to public disclosure under the Public Records Law.

7.40. GOVERNING LAW

This Contract, including appendices, and all matters relating to this Contract (whether in contract, statute, tort (such as negligence), or otherwise) shall be governed by, and construed in accordance with, the laws of the State of Florida. This shall apply notwithstanding such factors which include, but are not limited to, the place where the contract is entered into, the place where the accident occurs and not withstanding application of conflicts of law principles.

7.41. LITIGATION VENUE

The parties waive the privilege of venue and agree that all litigation between them in the state courts shall take place in Broward County, Florida and that all litigation between them in the federal courts shall take place in the Southern District of Florida.

7.42. SOVEREIGN IMMUNITY

Nothing in this agreement shall be interpreted or construed to mean that the city waives its common law sovereign immunity or the limits of liability set forth in Section 768.28, Florida Statute.

7.43. SURVIVAL

The parties acknowledge that any of the obligations in this Agreement will survive the term, termination and cancellation hereof. Accordingly, the respective obligations of the Proposer and the City under this Agreement, which by nature would continue beyond the termination, cancellation or expiration thereof, shall survive termination, cancellation or expiration hereof.

7.44. INDEMNIFICATION AND HOLD HARMLESS AGREEMENT

The Contractor shall indemnify and hold harmless the City of Hollywood and its officers, employees, agents and instrumentalities from any and all liability, losses or damages. In addition, the City shall be entitled to attorney's fees and costs of defense, which the City of Hollywood, or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of this project by the awarded proposer or its employees, agents, servants, partners, principals or subcontractors. Furthermore, the awarded proposer shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind of nature in the name of the City of Hollywood, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. The awarded proposer expressly understands and agrees that any insurance protection required by the resulting agreement or otherwise provided by the awarded proposer shall cover the City of Hollywood, its officers, employees, agents and instrumentalities and shall include claims for damages resulting from and/or caused by the negligence, recklessness or intentional wrongful misconduct of the Contractor and persons employed by or utilized by the Contractor in the performance of the contract.

7.45. PATENT AND COPYRIGHT INDEMNIFICATION

The Proposer warrants that all deliverables furnished hereunder, including but not limited to: services, equipment programs, documentation, software, analyses, applications, methods, ways, processes, and the like, do not infringe upon or violate any patent, copyrights, service marks, trade secret, or any other third party proprietary rights.

The Proposer shall be liable and responsible for any and all claims made against the City for infringement of patents, copyrights, service marks, trade secrets or any other third party proprietary rights, by the use or supplying of any programs, documentation, software, analyses, applications, methods, ways, processes, and the like, in the course of performance or completion of, or in any way connected with, the work, or the City's continued use of the deliverables furnished hereunder. Accordingly, the Proposer, at its own expense, including the payment of attorney's fees, shall indemnify, and hold harmless the City and defend any action brought against the City with respect to any claim, demand, and cause of action, debt, or liability.

In the event any deliverable or anything provided to the City hereunder, or a portion thereof, is held to constitute an infringement and its use is or may be enjoined, the Proposer shall have the obligation, at the City's option, to (i) modify, or require that the applicable subproposer or supplier modify, the alleged infringing item(s) at the Proposer's expense, without impairing in any respect the functionality or performance of the item(s), or (ii) procure for the City, at the Proposer's expense, the rights provided under this Agreement to use the item(s).

The Proposer shall be solely responsible for determining and informing the City whether a prospective supplier or subproposer is a party to any litigation involving patent or copyright infringement, service mark, trademark, violation, or proprietary rights claims or is subject to any injunction which may prohibit it from providing any deliverable hereunder. The Proposer shall enter into agreements with all suppliers and subproposers at the Proposer's own risk. The City may reject any deliverable that it believes to be the subject of any such litigation or injunction, or if, in the City's judgment, use thereof would delay the work or be unlawful.

The Proposer shall not infringe any copyright, trademark, service mark, trade secrets, patent rights, or other intellectual property rights in the performance of the work.

7.46. ADVERTISING

Vendor shall not advertise or publish the fact that the City has placed this order without prior written consent from the City, except as may be necessary to comply with a proper request for information from an authorized representative of a governmental unit or agency.

7.47. DISCLAIMER

The Hollywood may, in its sole discretion, accept or reject, in whole or in part, for any reason whatsoever any or all bids/proposals; re-advertise this SOLICITATION, postpone or cancel at any time this SOLICITATION process; or, waive any formalities of or irregularities in the bid/proposal process. Bids/proposals that are not submitted on time and/or do not conform to the City of Hollywood's requirements will not be considered. After all bids/proposals are analyzed, organization(s) submitting bid/proposal that appear, solely in the opinion of the City of Hollywood, to be the most competitive, shall be submitted to the City of Hollywood's City Commission, and the final selection will be made shortly thereafter with a timetable set solely by the City of Hollywood. The selection by the City of Hollywood shall be based on the bid/proposal, which is,

in the sole opinion of the City Commission of the City of Hollywood, in the best interest of the City of Hollywood. The issuance of this SOLICITATION constitutes only an invitation to make a bid/proposal to the City of Hollywood. The City of Hollywood reserves the right to determine, in its sole discretion, whether any aspect of the bid/proposal satisfies the criteria established by the City. In all cases the City of Hollywood shall have no liability to any proposer for any costs or expense incurred in connection with this bid/proposal or otherwise.

7.48. TRADEMARKS

The City warrants that all trademarks the City requests the Vendor to affix to articles purchased are those owned by the City and it is understood that the Vendor shall not acquire or claim any rights, title, or interest therein, or use any of such trademarks on any articles produced for itself or anyone other than the City.

7.49. RIGHT TO REQUEST ADDITIONAL INFORMATION

The City reserves the right to request any additional information that might be deemed necessary during the evaluation process.

7.50. PROPOSAL PREPARATION COSTS

The Vendor is responsible for any and all costs incurred by the Vendor or his/her subproposers in responding to this solicitation.

7.51. DESIGN COSTS

The successful Vendor shall be responsible for all design, information gathering, and required programming to achieve a successful implementation. This cost must be included in the base bid/proposal.

7.52. ADDITIONAL CHARGES

No additional charges, other than those listed on the price breakdown sheets, shall be made. Prices quoted will include verification/coordination of order, all costs for shipping, delivery to all sites, unpacking, setup, installation, operation, testing, cleanup, training and Vendor travel charges.

7.53. RIGHTS TO PERTINENT MATERIALS

All responses, inquires, and correspondence relating to this SOLICITATION and all reports, charts, displays, schedules, exhibits and other documentation produced by the Vendor that are submitted as part of the bid/proposal shall become the property of the City upon receipt, a part of a public record upon opening, and will not be returned.

7.54. INSURANCE REQUIREMENTS

See insurance requirements in the main solicitation document.

7.55. NATURE OF THE AGREEMENT

The Agreement incorporates and includes all negotiations, correspondence, conversations, agreements, and understandings applicable to the matters contained in the Agreement. The parties agree that there are no commitments, agreements, or understandings concerning the subject matter of the Agreement that are not contained in the Agreement, and that the Agreement contains the entire agreement between the parties as to all matters contained herein. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representations or agreements, whether oral or written. It is further agreed that any oral representations or modifications concerning this Agreement shall be of no force or effect, and that the Agreement may be modified, altered or amended only by a written amendment duly executed by both parties hereto or their authorized representatives.

The Proposer shall provide the services set forth in the Scope of Services, and render full and prompt cooperation with the City in all aspects of the services performed hereunder.

The Proposer acknowledges that the Agreement requires the performance of all things necessary for or incidental to the effective and complete performance of all work and services under this Contract. All things not expressly mentioned in the Agreement but necessary to carrying out its intent are required by the Agreement, and the Proposer shall perform the same as though they were specifically mentioned, described and delineated.

The Proposer shall furnish all labor, materials, tools, supplies, and other items required to perform the work and services that are necessary for the completion of this Contract. All work and services shall be accomplished at the direction of and to the satisfaction of the City's Project Manager.

The Proposer acknowledges that the City shall be responsible for making all policy decisions regarding the Scope of Services. The Proposer agrees to provide input on policy issues in the form of recommendations.

The Proposer agrees to implement any and all changes in providing services hereunder as a result of a policy change implemented by the City. The Proposer agrees to act in an expeditious and fiscally sound manner in providing the City with input regarding the time and cost to implement said changes and in executing the activities required to implement said changes.

7.56. AUTHORITY OF THE CITY’S PROJECT MANAGER

The Proposer hereby acknowledges that the City’s Project Manager will determine in the first instance all questions of any nature whatsoever arising out of, under, or in connection with, or in any way related to or on account of, this Agreement including without limitations: questions as to the value, acceptability and fitness of the services; questions as to either party's fulfillment of its obligations under the Contract; negligence, fraud or misrepresentation before or subsequent to acceptance of the Bid/proposal; questions as to the interpretation of the Scope of Services; and claims for damages, compensation and losses.

The Proposer shall be bound by all determinations or orders and shall promptly obey and follow every order of the Project Manager, including the withdrawal or modification of any previous order

and regardless of whether the Proposer agrees with the Project Manager's determination or order. Where orders are given orally, they will be issued in writing by the Project Manager as soon thereafter as is practicable.

The Proposer must, in the final instance, seek to resolve every difference concerning the Agreement with the Project Manager. In the event that the Project Manager and the Proposer are unable to resolve their difference, the Proposer may initiate a dispute in accordance with the procedures set forth in the section below. Exhaustion of these procedures shall be a condition precedent to any lawsuit permitted hereunder.

In the event of such dispute, the parties to this Agreement authorize the City Manager or designee, who may not be the Project Manager or anyone associated with this Project, acting personally, to decide all questions arising out of, under, or in connection with, or in any way related to or on account of the Agreement (including but not limited to claims in the nature of breach of contract, fraud or misrepresentation arising either before or subsequent to execution hereof) and the decision of each with respect to matters within the City Manager's purview as set forth above shall be conclusive, final and binding on the parties. Any such dispute shall be brought, if at all, before the City Manager within 10 days of the occurrence, event or act out of which the dispute arises.

The City Manager may base this decision on such assistance as may be desirable, including advice of experts, but in any event shall base the decision on an independent and objective determination of whether the Proposer’s performance or any deliverable meets the requirements of this Agreement and any specifications with respect thereto set forth herein. The effect of any decision shall not be impaired or waived by any negotiations or settlements or offers made in connection with the dispute, whether or not the City Manager participated therein, or by any prior decision of others, which prior decision shall be deemed subject to review, or by any termination or cancellation of the Agreement. All such disputes shall be submitted in writing by the Proposer to the City Manager for a decision, together with all pertinent information in regard to such questions, in order that a fair and impartial decision may be made. The parties agree that whenever the City Manager is entitled to exercise discretion or judgment or to make a determination or form an opinion pursuant to the provisions of this Article, such action shall be deemed fair and impartial when exercised or taken. The City Manager shall render a decision in writing and deliver a copy of the same to the Proposer. Except as such remedies may be limited or waived elsewhere in the Agreement, the Proposer reserves the right to pursue any remedies available under law after exhausting the provisions of this Article.

7.57. MUTUAL OBLIGATIONS

This Agreement, including attachments and appendices to the Agreement, shall constitute the entire Agreement between the parties with respect hereto and supersedes all previous communications and representations or agreements, whether written or oral, with respect to the subject matter hereof unless acknowledged in writing by the duly authorized representatives of both parties.

Nothing in this Agreement shall be construed for the benefit, intended or otherwise, of any third party that is not a parent or subsidiary of a party or otherwise related (by virtue of ownership control or statutory control) to a party.

In those situations where this Agreement imposes an indemnity or defense obligation on the Proposer, the City may, at its expense, elect to participate in the defense if the City should so

choose. Furthermore, the City may at its own expense defend or settle any such claims if the Proposer fails to diligently defend such claims, and thereafter seek indemnity for costs and attorney's fees from the Proposer.

7.58. SUBCONTRACTUAL RELATIONS

If the Proposer will cause any part of this Agreement to be performed by a subproposer, the provisions of this Contract will apply to such subproposer and its officers, agents and employees in all respects as if it and they were employees of the Proposer; and the Proposer will not be in any manner thereby discharged from its obligations and liabilities hereunder, but will be liable hereunder for all acts and negligence of the subproposer, its officers, agents, and employees, as if they were employees of the Proposer. The services performed by the subproposer will be subject to the provisions hereof as if performed directly by the Proposer.

The Proposer, before making any subcontract for any portion of the services, will state in writing to the City the name of the proposed subproposer, the portion of the services which the subproposer is to do, the place of business of such subproposer, and such other information as the City may require. The City will have the right to require the Proposer not to award any subcontract to a person, firm or corporation disapproved by the City.

Before entering into any subcontract hereunder, the Proposer will inform the subproposer fully and completely of all provisions and requirements of this Agreement relating either directly or indirectly to the services to be performed. Such services performed by such subproposer will strictly comply with the requirements of this Contract.

In order to qualify as a subproposer satisfactory to the City, in addition to the other requirements herein provided, the subproposer must be prepared to prove to the satisfaction of the City that it has the necessary facilities, skill and experience, and ample financial resources to perform the services in a satisfactory manner. To be considered skilled and experienced, the subproposer must show to the satisfaction of the City that it has satisfactorily performed services of the same general type which are required to be performed under this Agreement.

The City shall have the right to withdraw its consent to a subcontract if it appears to the City that the subcontract will delay, prevent, or otherwise impair the performance of the Proposer's obligations under this Agreement. All subproposers are required to protect the confidentiality of the City and City's proprietary and confidential information. The Proposer shall furnish to the City copies of all subcontracts between the Proposer and subproposers and suppliers hereunder. Within each such subcontract, there shall be a clause for the benefit of the City permitting the City to request completion of performance by the subproposer of its obligations under the subcontract, in the event the City finds the Proposer in breach of its obligations, and the option to pay the subproposer directly for the performance by such subproposer. The foregoing shall neither convey nor imply any obligation or liability on the part of the City to any subproposer hereunder as more fully described herein.

7.59. PROMPT PAYMENT: LATE PAYMENTS BY PROPOSER TO SUBPROPOSER AND MATERIAL SUPPLIERS; PENALTY:

When a proposer receives from the City of Hollywood any payment for contractual services, commodities, materials, supplies, or construction contracts, the proposer shall pay such moneys received to each subproposer and material supplier in proportion to the percentage of work

completed by each subproposer and material supplier at the time of receipt. If the proposer receives less than full payment, then the proposer shall be required to disburse only the funds received on a pro rata basis to the subproposers and materials Suppliers, each receiving a prorated portion based on the amount due on the payment. If the proposer without reasonable cause fails to make payments required by this section to subproposers and material suppliers within fifteen (15) working days after the receipt by the proposer of full or partial payment, the proposer shall pay to the subproposers and material suppliers a penalty in the amount of one percent (1%) of the amount due, per month, from the expiration of the period allowed herein for payment. Such penalty shall be in addition to actual payments owed. Retainage is also subject to the prompt payment requirement and must be returned to the subproposer or material supplier whose work has been completed, even if the prime contract has not been completed. The Proposer shall include the above obligation in each subcontract it signs with a subproposer or material suppler.

7.60. PAYMENT METHODS

The City of Hollywood will be making payments to all new vendors through Automated Clearing House (ACH). The (ACH) option allows the City to process payments to vendors electronically and directly to their financial institution of choice. With (ACH) payments, funds are deposited into the vendor's bank account and are available on the date the bank receives them. There will be no more waiting to receive payments in the mail, and no trips to the bank to make deposits.

7.61. TERMINATION FOR CONVENIENCE AND SUSPENSION OF WORK

The City may terminate this Agreement if an individual or corporation or other entity attempts to meet its contractual obligation with the City through fraud, misrepresentation or material misstatement.

The City may, as a further sanction, terminate or cancel any other contract(s) that such individual or corporation or other entity has with the City. Such individual, corporation or other entity shall be responsible for all direct and indirect costs associated with such termination or cancellation, including attorney's fees.

The foregoing notwithstanding, any individual, corporation or other entity which attempts to meet its contractual obligations with the City through fraud, misrepresentation or material misstatement may be debarred from City contracting in accordance with the City debarment procedures. The Proposer may be subject to debarment for failure to perform and any other reasons related to the proposer's breach or failure of satisfactory performance.

In addition to cancellation or termination as otherwise provided in this Agreement, the City may at any time, in its sole discretion, with or without cause, terminate this Agreement by written notice to the Proposer and in such event:

The Proposer shall, upon receipt of such notice, unless otherwise directed by the City:

A. Stop work on the date specified in the notice ("the Effective Termination Date");

B. Take such action as may be necessary for the protection and preservation of the City's materials and property;

C. Cancel orders;

D. Assign to the City and deliver to any location designated by the City any non-cancelable orders for deliverables that are not capable of use except in the performance of this Agreement and which have been specifically developed for the sole purpose of this Agreement and not incorporated in the services;

E. Take no action which will increase the amounts payable by the City under this Agreement.

In the event that the City exercises its right to terminate this Agreement pursuant to this Article, the Proposer will be compensated as stated in the payment articles herein, for the:

A. Portion of the services completed in accordance with the Agreement up to the Effective Termination Date; and

B. Non-cancelable deliverables that are not capable of use except in the performance of this Agreement and which have been specifically developed for the sole purpose of this Agreement but not incorporated in the services.

C. All compensation pursuant to this Article is subject to audit.

7.62. EVENT OF DEFAULT

An Event of Default shall mean a breach of this Agreement by the Proposer. Without limiting the generality of the foregoing and in addition to those instances referred to herein as a breach, an Event of Default, shall include the following:

A. The Proposer has not delivered deliverables on a timely basis;

B. The Proposer has refused or failed, except in any case for which an extension of time is provided, to supply enough properly skilled staff personnel;

C. The Proposer has failed to make prompt payment to subproposers or suppliers for any services;

D. The Proposer has become insolvent (other than as interdicted by the bankruptcy laws), or has assigned the proceeds received for the benefit of the Proposer's creditors, or the Proposer has taken advantage of any insolvency statute or debtor/creditor law or if the Proposer's affairs have been put in the hands of a receiver;

E. The Proposer has failed to obtain the approval of the City where required by this Agreement;

F. The Proposer has failed to provide "adequate assurances" as required under subsection "B" below; and

G. The Proposer has failed in the representation of any warranties stated herein.

When, in the opinion of the City, reasonable grounds for uncertainty exist with respect to the Proposer's ability to perform the services or any portion thereof, the City may request that the

Proposer, within the time frame set forth in the City's request, provide adequate assurances to the City, in writing, of the Proposer's ability to perform in accordance with terms of this Agreement. Until the City receives such assurances the City may request an adjustment to the compensation received by the Proposer for portions of the services which the Proposer has not performed. In the event that the Proposer fails to provide to the City the requested assurances within the prescribed time frame, the City may:

A. Treat such failure as a repudiation of this Agreement;

B. Resort to any remedy for breach provided herein or at law, including but not limited to, taking over the performance of the services or any part thereof either by itself or through others.

In the event the City shall terminate this Agreement for default, the City or its designated representatives may immediately take possession of all applicable equipment, materials, products, documentation, reports and data.

7.63. REMEDIES IN THE EVENT OF DEFAULT

If an Event of Default occurs, the Proposer shall be liable for all damages resulting from the default, including but not limited to:

A. Lost revenues;

B. The difference between the cost associated with procuring services hereunder and the amount actually expended by the City for procurement of services, including procurement and administrative costs; and,

C. Such other damages that the City may suffer.

The Proposer shall also remain liable for any liabilities and claims related to the Proposer's default. The City may also bring any suit or proceeding for specific performance or for an injunction.

7.64. BANKRUPTCY

The City reserves the right to terminate this contract if, during the term of any contract the Proposer has with the City, the Proposer becomes involved as a debtor in a bankruptcy proceeding, or becomes involved in a reorganization, dissolution, or liquidation proceeding, or if a trustee or receiver is appointed over all or a substantial portion of the property of the Proposer under federal bankruptcy law or any state insolvency law.

7.65. CANCELLATION FOR UNAPPROPRIATED FUNDS

The obligation of the City for payment to a Proposer is limited to the availability of funds appropriated in a current fiscal period, and continuation of the contract into a subsequent fiscal period is subject to appropriation of funds, **unless otherwise authorized by law.**

7.66. VERBAL INSTRUCTIONS PROCEDURE

No negotiations, decisions, or actions shall be initiated or executed by the Proposer as a result of any discussions with any City employee. Only those communications which are in writing from an

authorized City representative may be considered. Only written communications from Proposers, which are signed by a person designated as authorized to bind the Proposer, will be recognized by the City as duly authorized expressions on behalf of the Proposer.

7.67. E-VERIFY

Proposer acknowledges that the City may be utilizing the Proposer's services for a project that is funded in whole or in part by State funds pursuant to a contract between the City and a State agency. The Proposer shall be responsible for complying with the E-Verify requirements in the contract and using the U.S. Department of Homeland Security's E-Verify system to verify the employment of all new employees hired by the Proposer during the Agreement term. The Proposer is also responsible for e-verifying its subproposers, if any, pursuant to any agreement between the City and a State Agency, and reporting to the City any required information. The Proposer acknowledges that the terms of this paragraph are material terms, the breach of any of which shall constitute a default under this Agreement.

7.68. BUDGETARY CONSTRAINTS

In the event the City is required to reduce contract costs due to budgetary constraints, all services specified in this document may be subject to a permanent or temporary reduction in budget. In such an event, the total cost for the affected service shall be reduced as required. The Proposer shall also be provided with a minimum 30-day notice prior to any such reduction in budget.

7.69. COST ADJUSTMENTS

The cost for all items as quoted herein shall remain firm for the first term of the contract. Costs for subsequent years and any extension term years shall be subject to an adjustment only if increases occur in the industry. However, unless very unusual and significant changes have occurred in the industry, such increases shall not exceed 3% per year or, whichever is less, the latest yearly percentage increase in the All Urban Consumers Price Index (CPU-U) (National) as published by the Bureau of Labor Statistics, U.S. Dept. of Labor. The yearly increase or decrease in the CPI shall be that latest index published and available ninety (90) days prior to the end of the contract year than in effect compared to the index for the same month one year prior. Any requested cost increase shall be fully documented and submitted to the City at least ninety (90) days prior to the contract anniversary date. Any approved cost adjustments shall become effective upon the anniversary date of the contract. In the event the CPI or industry costs decline, the City shall have the right to receive from the Proposer a reduction in costs that reflects such cost changes in the industry. The City may, after examination, refuse to accept the adjusted costs if they are not properly documented, increases are considered to be excessive, or decreases are considered to be insufficient. In the event the City does not wish to accept the adjusted costs and the matter cannot be resolved to the satisfaction of the City, the contract can be cancelled by the City upon giving thirty (30) days written notice to the Proposer.

7.70. OSHA STANDARDS

Proposer acknowledges and agrees that as Contractor for the City of Hollywood, Florida, within the limits of the City of Hollywood, Florida, will have the sole responsibility for compliance with all requirements of the Federal Occupational Safety and Health Act of 1970, and all State and local safety and health regulations, and agrees to defend, indemnify and hold harmless the City of Hollywood, Florida, its officials, employees, service providers, and its agents against any and all

legal liability or loss the City of Hollywood, Florida may incur due to the Contractor's failure to comply with such act.

City of Hollywood
Public Utilities
Vincent Morello, Director
2600 Hollywood Boulevard, Hollywood, FL 33020

[RF ENVIRONMENTAL SERVICES, INC.] RESPONSE DOCUMENT REPORT

IFB No. IFB-373-26-JJ

SRWWTP Temporary Sodium Hypochlorite System

RESPONSE DEADLINE: April 2, 2026 at 3:00 pm

Report Generated: Monday, April 6, 2026

RF Environmental Services, Inc. Response

CONTACT INFORMATION

Company:
RF Environmental Services, Inc.

Email:
thad@rfeswater.com

Contact:
Thaddeus Buckley

Address:
4426 NE 8 Avenue
Oakland Park, FL 33334

Phone:
(954) 605-6711

Website:
www.rfeswater.com

Submission Date:
Apr 2, 2026 2:46 PM (Eastern Time)

ADDENDA CONFIRMATION

Addendum #1
Confirmed Apr 1, 2026 3:27 PM by Thaddeus Buckley

Addendum #2
Confirmed Apr 1, 2026 3:27 PM by Thaddeus Buckley

Addendum #3
Confirmed Apr 1, 2026 3:27 PM by Thaddeus Buckley

Addendum #4
Confirmed Apr 1, 2026 3:27 PM by Thaddeus Buckley

QUESTIONNAIRE

1. VENDOR REFERENCE FORM*

Please download the below documents, complete, and upload.

- Vendor_Reference_Form.pdf

RFES_Vendor_Reference_Form.pdf

2. HOLD HARMLESS AND INDEMNITY CLAUSE*

I, an authorized representative, the contractor, shall indemnify, defend and hold harmless the City of Hollywood, its elected and appointed officials, employees and agents for any and all suits, actions, legal or administrative proceedings, claims, damage, liabilities, interest, attorney' s fees, costs of any kind whether arising prior to the start of activities or following the completion or acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the contractor, or anyone acting under its direction, control, or on its behalf in connection with or incident to its performance of the contract.

Confirmed

3. NON-COLLUSION STATEMENT*

I , being first duly sworn, depose that:

A. He/she is an authorized representative of the Company, the Proposer that has submitted the attached Proposal.

B. He/she has been fully informed regarding the preparation and contents of the attached Proposal and of all pertinent circumstances regarding such Proposal;

C. Such Proposal is genuine and is not a collusion or sham Proposal;

D. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contractor for which the attached Proposal has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices, profit or cost element of the Proposal price or the Proposal price of any other Proposer, or to secure an advantage against the City of Hollywood or any person interested in the proposed Contract; and

E. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Confirmed

4. CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS*

The applicant certifies that it and its principals:

A. Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;

B. Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction, violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

C. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

D. Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.

Confirmed

5. DRUG-FREE WORKPLACE PROGRAM*

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

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4. In the statement specified in subsection (1), notify the employee that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program (if such is available in the employee's community) by, any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of these requirements.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Confirmed

6. SOLICITATION, GIVING, AND ACCEPTANCE OF GIFTS POLICY *

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. "No Public officer, employee of an agency, local government attorney, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of the public officer, employee, local government attorney, or candidate would be influenced thereby." The term "public officer" includes "any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of Hollywood/Hollywood CRA policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City/CRA does business.

The State of Florida definition of "gifts" includes the following:

- Real property or its use,
- Tangible or intangible personal property, or its use,
- A preferential rate or terms on a debt, loan, goods, or services,
- Forgiveness of indebtedness,

- Transportation, lodging, or parking,
- Food or beverage,
- Membership dues,
- Entrance fees, admission fees, or tickets to events, performances, or facilities,
- Plants, flowers or floral arrangements
- Services provided by persons pursuant to a professional license or certificate.
- Other personal services for which a fee is normally charged by the person providing the services.
- Any other similar service or thing having an attributable value not already provided for in this section.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.

Confirmed

7. Certificate of Insurance*

See requirements in the #SPECIAL TERM AND CONDITIONS section.

COI_-_City_of_Hollywood.pdf

8. PROOF OF SUNBIZ REGISTRATION*

Enter company FEIN to be verified in Sunbiz

81-1455710

Click to Verify *Value will be copied to clipboard*

9. ACKNOWLEDGMENT AND SIGNATURE PAGE

IF CORPORATION - DATE INCORPORATED/ORGANIZED:*
1-27-2016

STATE INCORPORATED/ORGANIZED:*
Florida

REMITTANCE ADDRESS*

4426 NE 8 Avenue, Oakland Park, FL 33334

BIDDER/PROPOSER'S AUTHORIZED REPRESENTATIVE'S TYPED FULL NAME*
Thaddeus Buckley

IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER/PROPOSER CERTIFIES ACCEPTANCE OF THE TERMS, CONDITIONS, SPECIFICATIONS, ATTACHMENTS AND ANY ADDENDA. THE BIDDER/PROPOSER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER/PROPOSER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR THE PERIOD OF TIME STATED IN THE SOLICITATION.*
Confirmed

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF BIDDER/PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE BID/PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY BID/PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER/PROPOSER TO THE TERMS OF ITS OFFER.*
Confirmed

BID FORM*
Please download the below documents, complete, and upload.

- Bid_Form_MASTER.docx

RFES_Bid_Form_Hollywood_04-02-26.pdf
RFES_Final_Pricing_Excel_Sheet_Hollywood.pdf
RFES_Subcontractors_Hollywood.pdf

10. SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

THIS FORM STATEMENT IS SUBMITTED TO THE CITY OF HOLLYWOOD BY:*
(Print individual's name and title) (Print name of entity submitting sworn statement)

Thaddeus Buckley, President

SWORN STATEMENT CONTINUATION:*
Enter business address:

4426 NE 8 Avenue, Oakland Park, FL 33334

SWORN STATEMENT CONTINUATION:*
Enter Federal Employer Identification Number (FEIN) is:

If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.

81-1455710

SWORN STATEMENT CONTINUATION:*
I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to

charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

Understood

SWORN STATEMENT CONTINUATION:*
I understand that “Affiliate,” as defined in paragraph 287.133(1)(a), Florida Statutes, means:

1. A predecessor or successor of a person convicted of a public entity crime, or

2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term “affiliate” includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm’s length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

Confirmed

SWORN STATEMENT CONTINUATION:*

I understand that “person,” as defined in Paragraph 287.133(1)(e), Florida Statues, means any natural person or any entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity.

The term “person” includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity

Confirmed

SWORN STATEMENT CONTINUATION:*
Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

Division of Administrative Hearings, determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (attach a copy of the Final Order).

Neither the entity submitting sworn statement, nor any of its officers, director, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

SWORN STATEMENT CONFIRMATION*
I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER

FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC

ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR

YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT

PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD

AMOUNT PROVIDED IN SECTION 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF

ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

Confirmed

BID SUBMITTAL FORM*
Please submit all forms

RFES_Bid_Form_Hollywood_04-02-26.pdf

PRICE TABLES

TABLE 1

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Mobilization (shall not exceed 3% of the sum of Bid Items No. 7 through No. 13).	1	Lump Sum	$130,000.00	$130,000.00
2	Maintenance of Traffic	1	Lump Sum	$5,000.00	$5,000.00
3	Prevention, Control and Abatement of Erosion and Water Pollution	1	Lump Sum	$5,000.00	$5,000.00
4	Record Drawings	1	Lump Sum	$10,000.00	$10,000.00
5	Demobilization (shall not exceed 3% of the sum of Bid Items No. 2 and No. 3).	1	Lump Sum	$5,000.00	$5,000.00
6	Consideration for Indemnification	1	10	$10.00	$10.00
7	All work associated with the Demolition Phase including but not limited to, all general, civil, mechanical, electrical, structural, instrumentation, controls work elements, as detailed in the Contract Documents.	1	Lump Sum	$500,000.00	$500,000.00

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
8	All work required for the complete furnishing, delivery and installation of the Temporary Sodium Hypochlorite Facility. This item includes, but is not limited to, all general, civil (except separately listed items), mechanical, structural, architectural, electrical, instrumentation and control, equipment testing, startup services and construction sequencing required for a complete and operable system.	1	Lump Sum	$3,182,000.00	$3,182,000.00
9	Asphalt	1,820	SY	$90.00	$163,800.00
10	Curbing	90	LF	$229.00	$20,610.00
11	Pavement Markings and Signage	1	Lump Sum	$18,000.00	$18,000.00
12	Sidewalk	20	SY	$485.00	$9,700.00
13	Miscellaneous Restoration	1	Lump Sum	$20,000.00	$20,000.00
14	Allowance for Inspections and Testing, for the price of:	1	Allowance	$55,000.00	$55,000.00
15	Allowance for Permits, Licenses and Fees for Government Agencies, for the price of:	1	Allowance	$250,000.00	$250,000.00
16	Allowance for Undefined Conditions, for the price of:	1	Allowance	$225,000.00	$225,000.00
TOTAL					**$4,599,120.00**

FORM 4
VENDOR REFERENCE FORM

City of Hollywood Solicitation #: IFB-211-24-JJ

Reference for: RF Environmental Services, Inc

Organization/Firm Name providing reference: Miami-Dade County

Organization/Firm Contact Name: Luis E. Rojas **Title:** Water & Sewer Project Supervisor

Email: Luis.Rojas@miamidade.gov **Phone:** 786-402-1292

Name of Referenced Project: Hialeah WTP Lime Slaker Replacement &Chemical Bldg Rehab **Contract No:** RPQ No. P0225

Date Services were provided: 12/30/2019 **Project Amount:** $4,932,211

Referenced Vendor's role in Project: ☑ Prime Vendor ☐ Subcontractor/ Subconsultant

Would you use the Vendor again? ☑ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Structural rehabilitation of the Chemical Building, removal and replacement of two paste-type lime slakerequipment, replacement or modification of all related electrical equipmentand instrumentation, two mix/slurry holding tanks, four slarry pumps, concrete slab.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	☐	☐	☑	☐
b. Accuracy	☐	☐	☑	☐
c. Deliverables	☐	☐	☑	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☑	☐
b. Professionalism	☐	☐	☑	☐
c. Staff turnover	☐	☐	☑	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☑	☐
b. Deliverables	☐	☐	☑	☐

Additional Comments (provide additional sheet if necessary):
Very honest and responsable Contractor.

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

FORM 4
VENDOR REFERENCE FORM

City of Hollywood Solicitation #: IFB-211-24-JJ
Reference for: RF Environmental Services, Inc

Organization/Firm Name providing reference: Broward County
Organization/Firm Contact Name: Oscar Asgar **Title:** Construction Project Mgr
Email: oasgar@broward.org **Phone:** 954-831-0983
Name of Referenced Project: Broward County WTP 1A & 2A Treatment Unit Rehab **Contract No:**
Date Services were provided: 5/20/2023 **Project Amount:** $1,900,010
Referenced Vendor's role in Project: ☐ Prime Vendor ☐ Subcontractor/ Subconsultant
Would you use the Vendor again? ☐ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Replacement of Chemical storage Tanks, Installation of new Lime Slaker Systems, demolition and replacement of 30" DI treatment unit influent pipings, treatment unit launder replacement and other miscellanea plant processes.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Staff turnover	☐	☐	☐	☒
Timeliness/Cost Control of:				
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments (provide additional sheet if necessary):
Contractor provides excellent workmanship

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☒	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**	Oscar Asgar			**Title:**	Construction Project Manager
	Department:	WWS/ WWOD			**Date:**	7/08/2024

FORM 4

VENDOR REFERENCE FORM

City of Hollywood Solicitation #:	IFB-373-26-JJ SRWWTP Temporary Sodium Hypochlorite System
Reference for:	RF Environmental Services Inc

Organization/Firm Name providing reference:	City of Plantation		
Organization/Firm Contact Name:	Brett Miller	**Title:**	Plant Admin
Email:	bmiller@plantation.org	**Phone:**	954-326-7634
Name of Referenced Project:	Plantation Regional WWTP	**Contract No:**	
Date Services were provided:	2025	**Project Amount:**	$3,476,000
Referenced Vendor's role in Project:	☐ **Prime Vendor**	☐	**Subcontractor/ Subconsultant**
Would you use the Vendor again?	☐ **Yes**	☐	**No.** Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Construction of five (5) chemical storage and feed facilities within the membrane building at the East WTP. Double containment piping (9) FRP & steel chemical storage tanks & (6) Clew TriNova metering pump skids.

Please rate your experience with the Vendor	**Need Improvement**	**Satisfactory**	**Excellent**	**Not Applicable**
Vendor's Quality of Service				
a. Responsive	☐	☐	☑	☐
b. Accuracy	☐	☐	☑	☐
c. Deliverables	☐	☐	☑	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☑	☐
b. Professionalism	☐	☐	☑	☐
c. Staff turnover	☐	☐	☑	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☑	☐
b. Deliverables	☐	☐	☑	☐

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

Diane Salafia

From: Diane Salafia
Sent: Thursday, April 2, 2026 9:47 AM
To: Diane Salafia
Subject: RFES Reference Form Plantation (for Hollywood)
Attachments: vendor ref.pdf

RFES Reference Form Plantation (for Hollywood)

Diane Salafia 954-530-6190
RF Environmental Services, Inc. (RFES)
New Billing / Office Address for RFES:
4426 NE 8th Avenue
Oakland Park, FL 33334

CGC1518671, CMC1250334, CFC1429319, PCC1256939
General Contractor, Mechanical, Plumbing, Pollution Storage

From: Miller, Brett <BMiller@plantation.org>
Sent: Thursday, April 2, 2026 9:43 AM
To: Diane Salafia <diane@rfeswater.com>
Subject: RFES Reference Form Plantation (for Hollywood)

See attached .

Brett Miller
City of Plantation
Water /Waste Water Plant Maintenance Superintendent
954-326-7634

The City of Plantation is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. Under Florida law, most e-mail messages to or from City of Plantation employees or officials are public records, available to any person upon request, absent an exemption. All e-mail messages sent or received are captured by our server and retained as public records. Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to the City of Plantation.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 02/06/2026

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

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

PRODUCER	CONTACT NAME: Jim Murphy	
Brown & Brown Insurance Services, Inc. 1201 W Cypress Creek Rd Suite 130 Fort Lauderdale FL 33309	PHONE (A/C, No, Ext): (954) 776-2222	FAX (A/C, No): (954) 776-4446
	E-MAIL ADDRESS: 053.Certs@bbrown.com	

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : FCCI Insurance Company	10178
INSURER B : Certain Underwriters at Lloyds	15025
INSURER C : Underwriters At Lloyd's, London	32727
INSURER D :	
INSURER E :	
INSURER F :	

INSURED

RF Environmental Services Inc.
dba Milan Construction & Real Estate
4840 NE 11th Avenue
Oakland Park FL 33334

COVERAGES **CERTIFICATE NUMBER:** CL2562054879 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC [ ] OTHER:	Y		GL10009354701	06/27/2025	06/27/2026	EACH OCCURRENCE	$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
							MED EXP (Any one person)	$ 5,000
							PERSONAL & ADV INJURY	$ 1,000,000
							GENERAL AGGREGATE	$ 2,000,000
							PRODUCTS - COMP/OP AGG	$ 2,000,000
							Employee Benefit Liab	$ 1,000,000
A	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY			CA10009354801	06/27/2025	06/27/2026	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
							BODILY INJURY (Per person)	$
							BODILY INJURY (Per accident)	$
							PROPERTY DAMAGE (Per accident)	$
								$
A	[X] UMBRELLA LIAB [X] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 10,000			UMB10009355101	06/27/2025	06/27/2026	EACH OCCURRENCE	$ 4,000,000
							AGGREGATE	$ 4,000,000
								$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC010007021905	06/27/2025	06/27/2026	[X] PER STATUTE [ ] OTH-ER	
							E.L. EACH ACCIDENT	$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
B	Pollution Liability			CPL01625001	06/27/2025	06/27/2027	Each Incident	$2,000,000
							Policy Aggregate	$2,000,000

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

Re: Project Bidding: Hollywood - SRWWTP Temp Sodium Hypochlorite

The City of Hollywood is additional insured with respects to General Liability if required by written contract.

CERTIFICATE HOLDER

City of Hollywood - Public Utilities
1621 N 14th Ave
Hollywood FL 33020

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

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AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

Page ____ of ____

AGENCY	NAMED INSURED
Brown & Brown Insurance Services, Inc.	RF Environmental Services Inc.
POLICY NUMBER	
CARRIER / NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: 25 **FORM TITLE:** Certificate of Liability Insurance: Notes

Underwriters At Lloyds, London
Professional Liability
Policy #ANE525870125
Effective 9/29/2025 to 9/29/2026
Each Claim $1,000,000
Aggregate $1,000,000

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THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – AUTOMATIC STATUS WHEN REQUIRED IN CONSTRUCTION AGREEMENT WITH YOU – ONGOING OPERATIONS AND PRODUCTS-COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM

SCHEDULE (OPTIONAL)

Name of Additional Insured Persons or Organizations
(As required by written contract or agreement per Paragraph A. below.)

Locations of Covered Operations
(As per the written contract or agreement, provided the location is within the "coverage territory".)

(Information required to complete this Schedule, if not shown above, will be shown in the Declarations.)

A. **Section II – Who Is An Insured** is amended to include as an additional insured:

1. Any person or organization for whom you are performing operations when you and such person or organization have agreed in writing in a contract or agreement in effect during the term of this policy that such person or organization be added as an additional insured on your policy; and

2. Any other person or organization you are required to add as an additional insured under the contract or agreement described in Paragraph 1. above; and

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3. The particular person or organization, if any, scheduled above.

Such person(s) or organization(s) is an additional insured only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" occurring after the execution of the contract or agreement described in Paragraph 1. above and caused, in whole or in part, by:

1. Your acts or omissions; or

2. The acts or omissions of those acting on your behalf in the performance of your ongoing operations for the additional insured; or

3. "Your work" performed for the additional insured and included in the "products-completed operations hazard" if such coverage is specifically required in the written contract or agreement.

However, the insurance afforded to such additional insured(s) described above:

1. Only applies to the extent permitted by law;

2. Will not be broader than that which you are required by the contract or agreement to provide for such additional insured;

3. Will not be broader than that which is afforded to you under this policy; and

4. Nothing herein shall extend the term of this policy.

B. The insurance provided to the additional insured does not apply to "bodily injury", "property damage" or "personal and advertising injury" arising out of the rendering of, or the failure to render, any professional architectural, engineering or surveying services, including:

1. The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or

2. Supervisory, inspection, architectural or engineering activities.

C. This insurance is excess over any other valid and collectible insurance available to the additional insured whether on a primary, excess, contingent or any other basis; unless the written contract or agreement requires that this insurance be primary and non-contributory, in which case this insurance will be primary and non-contributory relative to insurance on which the additional insured is a Named Insured.

D. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits of Insurance**:

The most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement described in Paragraph A.1.; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

E. **Section IV – Commercial General Liability Conditions** is amended as follows:

The Duties In The Event of Occurrence, Offense, Claim or Suit condition is amended to add the following additional conditions applicable to the additional insured:

An additional insured under this endorsement must as soon as practicable:

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1. Give us written notice of an "occurrence" or an offense which may result in a claim or "suit" under this insurance, and of any claim or "suit" that does result;

2. Send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions; and

3. Tender the defense and indemnity of any claim or "suit" to any provider of other insurance which would cover the additional insured for a loss we cover under this endorsement and agree to make available all such other insurance. However, this condition does not affect Paragraph C. above.

We have no duty to defend or indemnify an additional insured under this endorsement until we receive from the additional insured written notice of a claim or "suit".

F. This endorsement does not apply to any additional insured or project that is specifically identified in any other additional insured endorsement attached to the Commercial General Liability Coverage Form.

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FORM 1

SUBMITTAL CHECKLIST FORM

The items below are required components of your solicitation response in order for your bid/proposal/submittal to be consider responsive and responsible. Please complete and submit this submittal checklist form as the cover page of your submittal with all of the items below in the order listed.

Please indicate Yes or No in the "Submitted (Yes/No)" column below to indicated which required components were provided with your submittal.

Submitted (Yes/No)	Required Bid Components
Yes	This Submittal Checklist Form completed and included as the cover page of your submittal.
Yes	A Table of Contents that clearly identifies each section and page number of your submittal.
Yes	Information and/or documentation that addresses and/or meets the requirements outlined in Section III – Scope of Work/Services, including any procedural or technical enhancements/innovations which do not materially deviate from the objectives or required content of the Scope of Work/Services.
Yes	Forms (Completed) Form 1 Submittal Checklist Form* Form 2 Acknowledgement and Signature Page Form 3 Bid Form* Form 4 Vendor Reference Form* Form 5 Hold Harmless and Indemnity Clause Form 6 Non-Collusion Affidavit Form 7 Sworn Statement...Public Entity Crimes Form 8 Certifications Regarding Debarment... Form 9 Drug-Free Workplace Program Form 10 Solicitation, Giving, and Acceptance... Form 11 W-9 (Request for Taxpayer Identification) Form 12 Trench Safety Form Form 13 Bid Guaranty Form Form 14 List of Subcontractors Form 15 Information Required from Bidders Form 16 Proposal
Yes	Certificate(s) of insurance that meet the requirements of Section 2.25
Yes	Proof of State of Florida Sunbiz Registration

This checklist is only a guide, please read the entire solicitation to ensure that your submission includes all required information and documentation.

RF Environmental Services, Inc.
4426 NE 8th Ave
Oakland Park, FL 33334
(954) 605-6711

Table of Contents

04-02-26 Hollywood SRWWTP Temporary Sodium Hypochlorite

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Page 3: Form 2 Acknowledgement & Signature Page
Page 4: Bid Pricing
Page 5-8: Form 4 Vendor Reference
Page 9: Form 5 Hold Harmless and Indemnity Clause
Page 10: Form 6 Non-Collusion Affidavit
Page 11-12: Form 7 Sworn statement pursuant to section 287.133 (3)(a) Florida Statues on Public Entity Crimes
Page 13: Form 8 Certifications regarding debarment, suspension, and other responsibility matters
Page 14: Form 9 Drug-free workplace program
Page 15: Form 10 Solicitation, giving and acceptance of gifts policy
Page 16: Form 11 RFES W9
Page 17: Form 12 Trench Safety
Page 18-24: Form 13 Bid Guaranty Form
Page 25: Form 14 List if Subcontractors
Page 26-29: Form 15 Information required from Bidders- General Information
Page 30: Attachment- Contractor's License
Page 31-34: Form 16 Proposal
Page 35: Sample Certificate of Insurance – Requirements 2.17
Page 36: Proof of State of Florida Sunbiz Registration
Page 37-52: Resumes
Page 53-56: Experience sheet with related projects

FORM 2

ACKNOWLEDGMENT AND SIGNATURE PAGE

This form must be completed and submitted by the date and the time of bid opening.

Legal Company Name (include d/b/a if applicable): RF Environmental Services, Inc.

If Corporation - Date Incorporated/Organized: 1/28/16 Federal Tax Identification Number: 81-1455710

State Incorporated/Organized: Florida

Company Operating Address: 4426 NE 8 Ave

City: Oakland Park State: FL Zip Code: 33334

Remittance Address (if different from ordering address):

City: _____ State: _____ Zip Code: _____

Company Contact Person: Thaddeus Buckley Email Address: Thad@RFESWater.com

Phone Number (include area code): 954-605-6711 Fax Number (include area code): _____

Company's Internet Web Address: www.rfeswater.com

IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER/PROPOSER CERTIFIES ACCEPTANCE OF THE TERMS, CONDITIONS, SPECIFICATIONS, ATTACHMENTS AND ANY ADDENDA. THE BIDDER/PROPOSER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER/PROPOSER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR THE PERIOD OF TIME STATED IN THE SOLICITATION.

Bidder/Proposer's Authorized Representative's Signature: _____ Date: 4-2-26

Type or Print Name: Thaddeus Buckley - President

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF BIDDER/PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE BID/PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY BID/PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER/PROPOSER TO THE TERMS OF ITS OFFER.

SEE ATTACHED EXCEL SHEET

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Mobilization (shall not exceed 3% of the sum of Bid Items No. 7 through No. 13).	1	Lump Sum		
2	Maintenance of Traffic	1	Lump Sum		
3	Prevention, Control and Abatement of Erosion and Water Pollution	1	Lump Sum		
4	Record Drawings	1	Lump Sum		
5	Demobilization (shall not exceed 3% of the sum of Bid Items No. 2 and No.	1	Lump Sum		
6	Consideration for Indemnification	1	10	$ 10.00	$ 10.00
7	All work associated with the Demolition Phase including but not limited to, all general, civil, mechanical, electrical, structural, instrumentation, controls work elements, as detailed in the Contract Documents.	1	Lump Sum		
8	All work required for the complete furnishing, delivery and installation of the Temporary Sodium Hypochlorite Facility. This item includes, but is not limited to, all general, civil (except separately listed items), mechanical, structural, architectural, electrical, instrumentation and control, equipment testing, startup services and construction sequencing required for a complete and operable	1	Lump Sum		
9	Asphalt	1820	SY		
10	Curbing	90	LF		
11	Pavement Markings and Signage	1	Lump Sum		
12	Sidewalk	20	SY		
13	Miscellaneous Restoration	1	Lump Sum		
14	Allowance for Inspections and Testing, for the price of:	1	Allowance	$ 55,000.00	$ 55,000.00
15	Allowance for Permits, Licenses and Fees for Government Agencies, for the price of:	1	Allowance	$ 250,000.00	$ 250,000.00
16	Allowance for Undefined Conditions, for the price of:	1	Allowance	$ 225,000.00	$ 225,000.00
	Total				$ 530,010.00

FORM 4
VENDOR REFERENCE FORM

City of Hollywood Solicitation #: IFB-211-24-JJ

Reference for: RF Environmental Services, Inc

Organization/Firm Name providing reference: Miami-Dade County

Organization/Firm Contact Name: Luis E. Rojas **Title:** Water & Sewer Project Supervisor

Email: Luis.Rojas@miamidade.gov **Phone:** 786-402-1292

Name of Referenced Project: Hialeah WTP Lime Slaker Replacement &Chemical Bldg Rehab **Contract No:** RPQ No. P0225

Date Services were provided: 12/30/2019 **Project Amount:** $4,932,211

Referenced Vendor's role in Project: ☑ Prime Vendor ☐ Subcontractor/ Subconsultant

Would you use the Vendor again? ☑ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Structural rehabilitation of the Chemical Building, removal and replacement of two paste-type lime slakerequipment, replacement or modification of all related electrical equipmentand instrumentation, two mix/slurry holding tanks, four slarry pumps, concrete slab.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	☐	☐	☑	☐
b. Accuracy	☐	☐	☑	☐
c. Deliverables	☐	☐	☑	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☑	☐
b. Professionalism	☐	☐	☑	☐
c. Staff turnover	☐	☐	☑	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☑	☐
b. Deliverables	☐	☐	☑	☐

Additional Comments (provide additional sheet if necessary):
Very honest and responsable Contractor.

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

FORM 4
VENDOR REFERENCE FORM

City of Hollywood Solicitation #: IFB-211-24-JJ
Reference for: RF Environmental Services, Inc

Organization/Firm Name providing reference: Broward County
Organization/Firm Contact Name: Oscar Asgar **Title:** Construction Project Mgr.
Email: oasgar@broward.org **Phone:** 954-831-0983
Name of Referenced Project: Broward County WTP 1A & 2A Treatment Unit Rehab **Contract No:**
Date Services were provided: 5/20/2023 **Project Amount:** $1,900,010
Referenced Vendor's role in Project: ☐ Prime Vendor ☐ Subcontractor/ Subconsultant
Would you use the Vendor again? ☐ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Replacement of Chemical storage Tanks, Installation of new Lime Slaker Systems, demolition and replacement of 30" DI treatment unit influent pipings, treatment unit launder replacement and other miscellanea plant processes.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Staff turnover	☐	☐	☐	☒
Timeliness/Cost Control of:				
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments (provide additional sheet if necessary):
Contractor provides excellent workmanship

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☒	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**	Oscar Asgar			**Title:**	Construction Project Manager
	Department:	WWS/ WWOD			**Date:**	7/08/2024

FORM 4

VENDOR REFERENCE FORM

City of Hollywood Solicitation #:	IFB-373-26-JJ SRWWTP Temporary Sodium Hypochlorite System
Reference for:	RF Environmental Services Inc

Organization/Firm Name providing reference:	City of Plantation		
Organization/Firm Contact Name:	Brett Miller	**Title:**	Plant Admin
Email:	bmiller@plantation.org	**Phone:**	954-326-7634
Name of Referenced Project:	Plantation Regional WWTP	**Contract No:**	
Date Services were provided:	2025	**Project Amount:**	$3,476,000
Referenced Vendor's role in Project:	☐ **Prime Vendor**	☐	**Subcontractor/ Subconsultant**
Would you use the Vendor again?	☐ **Yes**	☐	**No.** Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Construction of five (5) chemical storage and feed facilities within the membrane building at the East WTP. Double containment piping (9) FRP & steel chemical storage tanks & (6) Clew TriNova metering pump skids.

Please rate your experience with the Vendor	**Need Improvement**	**Satisfactory**	**Excellent**	**Not Applicable**
Vendor's Quality of Service				
a. **Responsive**	☐	☐	☑	☐
b. **Accuracy**	☐	☐	☑	☐
c. **Deliverables**	☐	☐	☑	☐
Vendor's Organization:				
a. **Staff expertise**	☐	☐	☑	☐
b. **Professionalism**	☐	☐	☑	☐
c. **Staff turnover**	☐	☐	☑	☐
Timeliness/Cost Control of:				
a. **Project**	☐	☐	☑	☐
b. **Deliverables**	☐	☐	☑	☐

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

Diane Salafia

From: Diane Salafia
Sent: Thursday, April 2, 2026 9:47 AM
To: Diane Salafia
Subject: RFES Reference Form Plantation (for Hollywood)
Attachments: vendor ref.pdf

RFES Reference Form Plantation (for Hollywood)

Diane Salafia 954-530-6190
RF Environmental Services, Inc. (RFES)
New Billing / Office Address for RFES:
4426 NE 8th Avenue
Oakland Park, FL 33334

CGC1518671, CMC1250334, CFC1429319, PCC1256939
General Contractor, Mechanical, Plumbing, Pollution Storage

From: Miller, Brett <BMiller@plantation.org>
Sent: Thursday, April 2, 2026 9:43 AM
To: Diane Salafia <diane@rfeswater.com>
Subject: RFES Reference Form Plantation (for Hollywood)

See attached .

Brett Miller
City of Plantation
Water /Waste Water Plant Maintenance Superintendent
954-326-7634

The City of Plantation is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. Under Florida law, most e-mail messages to or from City of Plantation employees or officials are public records, available to any person upon request, absent an exemption. All e-mail messages sent or received are captured by our server and retained as public records. Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to the City of Plantation.

FORM 5

HOLD HARMLESS AND INDEMNITY CLAUSE

RF Environmental Services, Inc.

(Company Name and Authorized Signature, Print Name)

, the contractor, shall indemnify, defend and hold harmless the City of Hollywood, its elected and appointed officials, employees and agents for any and all suits, actions, legal or administrative proceedings, claims, damage, liabilities, interest, attorney's fees, costs of any kind whether arising prior to the start of activities or following the completion or acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the contractor, or anyone acting under its direction, control, or on its behalf in connection with or incident to its performance of the contract.



Signature

Thaddeus Buckley

Printed Name

RF Environmental Services, Inc.

Name of Company

President

Title

FORM 6

NON-COLLUSION AFFIDAVIT

STATE OF: Florida

COUNTY OF: Broward, being first duly sworn, deposes and says that:

(1) He/she is President of RF Environmental Services, Inc. the Proposer that has submitted the attached Proposal.

(2) He/she has been fully informed regarding the preparation and contents of the attached Proposal and of all pertinent circumstances regarding such Proposal;

(3) Such Proposal is genuine and is not a collusion or sham Proposal;

(4) Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contractor for which the attached Proposal has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices, profit or cost element of the Proposal price or the Proposal price of any other Proposer, or to secure an advantage against the City of Hollywood or any person interested in the proposed Contract; and

(5) The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Signature

Thaddeus Buckley

Printed Name

RF Environmental Services, Inc.

Name of Company

President

Title

FORM 7

SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS

1. This form statement is submitted to the City of Hollywood by Thaddeus Buckley - President for RF Environmental Services, Inc.
(Print individual's name and title) (Print name of entity submitting sworn statement)
whose business address is 4426 NE 8 Ave, Oakland Park, FL 33334
and if applicable its Federal Employer Identification Number (FEIN) is 81-1455710. If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.

2. I understand that "public entity crime," as defined in paragraph 287.133(1)(g), Florida Statues, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misinterpretation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that "Affiliate," as defined in paragraph 287.133(1)(a), Florida Statutes, means:

    1. A predecessor or successor of a person convicted of a public entity crime, or
    2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5 I understand that "person," as defined in Paragraph 287.133(1)(e), Florida Statues, means any natural person or any entity organized under the laws of any state or of the

United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

__X__ Neither the entity submitting sworn statement, nor any of its officers, director, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate 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.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime, but the Final Order entered by the Hearing Officer in a subsequent proceeding before a Hearing Officer of the State of the State of Florida,

Division of Administrative Hearings, determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (attach a copy of the Final Order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

(Signature)

Sworn to and subscribed before me this 2nd day of April, 2026.

Personally known X

Or produced identification N/A Notary Public-State of Florida

N/A my commission expires 5-25-2028

(Type of identification)

(Printed, typed or stamped commissioned name of notary public)

Notary Public State of Florida
Diane J Salafia
My Commission HH 512168
Expires 5/25/2028

FORM 8

CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

The applicant certifies that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction, violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.

Applicant Name and Address:

RF Environmental Services, Inc.

4426 NE 8 Ave

Oakland Park, FL 33334

Application Number and/or Project Name:

REG-373-26-JJ SRWWTP Temporary Sodium Hypochlorite System

Applicant IRS/Vendor Number: 81-1455710

Signature

Thaddeus Buckley

Printed Name

RF Environmental Services, Inc.

Name of Company

President

Title

FORM 9

DRUG-FREE WORKPLACE PROGRAM

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

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

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Signature

Thaddeus Buckley

Printed Name

RF Environmental Services, Inc.

Name of Company

President

Title

FORM 10

SOLICITATION, GIVING, AND ACCEPTANCE OF GIFTS POLICY

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. "No Public officer, employee of an agency, local government attorney, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of the public officer, employee, local government attorney, or candidate would be influenced thereby." The term "public officer" includes "any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of Hollywood/Hollywood CRA policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City/CRA does business.

The State of Florida definition of "gifts" includes the following:

Real property or its use,
Tangible or intangible personal property, or its use,
A preferential rate or terms on a debt, loan, goods, or services,
Forgiveness of indebtedness,
Transportation, lodging, or parking,
Food or beverage,
Membership dues,
Entrance fees, admission fees, or tickets to events, performances, or facilities,
Plants, flowers or floral arrangements
Services provided by persons pursuant to a professional license or certificate.
Other personal services for which a fee is normally charged by the person providing the services.
Any other similar service or thing having an attributable value not already provided for in this section.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.

Signature

Thaddeus Buckley
Printed Name

RF Environmental Services, Inc.
Name of Company

President
Title

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

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

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
RF Environmental Services, Inc.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☒ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
4426 NE 8 Ave

Requester's name and address (optional)

6 City, state, and ZIP code
Oakland Park, FL

7 List account number(s) here (optional)
33334

Part I Taxpayer Identification Number (TIN)

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

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

Social security number
			-			-				

or

Employer identification number
8	1	-	1	4	5	5	7	1	0

Part II Certification

Under penalties of perjury, I certify that:

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

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

Sign Here Signature of U.S. person ▶ _____ Date ▶ 4-2-26

General Instructions

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

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

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

FORM 12

TRENCH SAFETY

This form must be completed and signed by the Respondent.

Failure to complete this form may result in the solicitation being declared non-responsive.

Respondent acknowledges that the Florida Trench Safety Act, Section 553.60 et. seq., which became effective October 1, 1990, shall be in effect during the period of construction of the project. The respondent by signing and submitting the solicitation is, in writing, assuring that it will perform any trench excavation in accordance with applicable trench safety standards. The respondent further identifies the following separate item of cost of compliance with the applicable trench safety standards as well as the method of compliance:

Method of Compliance	Cost

Total $ 100.00

Respondent acknowledges that this cost is included in the applicable items of their submittal and in the Grand Total Solicitation Price. Failure to complete the above will result in the solicitation being declared non- responsive.

The Respondent is, and the Owner and Engineer are not, responsible to review or assess Respondent's safety precautions, programs or costs, or the means, methods, techniques or technique adequacy, reasonableness of cost, sequences or procedures of any safety precaution, program or cost, including but not limited to, compliance with any and all requirements of Florida Statute Section 553.60 et. seq. cited as the "Trench Safety Act." Respondent is, and the owner and Engineer are not, responsible to determine if any safety related standards apply to the project, including but not limited to, the "Trench Safety Act."

Witness Signature

Diane Salafia
Witness Printed Name

4426 NE 8 Ave, Oakland Park, FL 33334
Witness Address

4-2-26
Date

Contractor's Signature

Thaddeus Buckley
Printed Name

President
Title

4-2-26
Date

- END OF SECTION -

Form 13

Bid Guaranty Form

(Construction)

STATE OF FLORIDA

KNOW ALL MEN BY THESE PRESENTS:
That we RF Environmental Services, Inc., as Principal, and Atlantic Specialty Insurance Company, as Surety, are held and firmly bound unto the City of Hollywood in the sum of _____ 5% of the bid amount Dollars ($_____) lawful money of the United States, amounting to 5% of the total SOLICITATION Price, for the payment of said sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal has submitted the accompanying SOLICITATION, dated April 2nd 2026 for

TEMPORARY SODIUM HYPOCHLORITE SYSTEM

CITY PROJECT NO. 24-9122

IFB-373-26-JJ

NOW, THEREFORE, if the principal shall not withdraw said SOLICITATION within 90 days after date of the same and shall within ten days after the prescribed forms are presented to him for signature, enter into a written contract with the CITY, in accordance with the SOLICITATION as accepted, and give bond with good and sufficient surety or sureties, and provide the necessary Insurance Certificates as may be required for the faithful performance and proper fulfillment of such Contract, then this obligation shall be null and void.

In the event of the withdrawal of said SOLICITATION within the specified period, or the failure to enter into such contract and give such bond and insurance within the specified time, the principal and the surety shall pay to the City of Hollywood the difference between the amount specified in said SOLICITATION and such larger amount for which the City of Hollywood may in good faith contract with another party to perform the work and/or supply the materials covered by said SOLICITATION.

IN WITNESS WHEREOF, the above bound parties have executed this statement under their several seals this 2nd day of April 2026, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

Witness

Address

Signature of Individual

Printed Name of Individual

Witness

Address

WHEN THE PRINCIPAL IS A CORPORATION:

Attest:

Katherine Buckley

Secretary

RF Environmental Services, Inc.
Name of Corporation

4840 NE 11th Avenue
Business Address

Fort Lauderdale, FL 33334

By: _____
(Affix Corporate Seal)

Thaddeus Buckley
Printed Name

President
Official Title

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, Katherine Buckley, certify that I am the secretary of the Corporation named as Principal in the attached bond; that Thaddeus Buckley who signed the said bond on behalf of the Principal, was then President of said Corporation; that I know his signature, and his signature thereto is genuine and that said bond was duly signed, sealed and attested for and on behalf of said Corporation by authority of its governing body.

Katherine Buckley (SEAL)

Secretary

Approved SOLICITATION Bond

TO BE EXECUTED BY CORPORATE SURETY:

Attest:

Jorge L. Bracamonte, Witness

Atlantic Specialty Insurance Company
Corporate Surety

605 Highway 169 North, Suite 800

Plymouth, MN 55441
Business Address

Jessie Sloan, Attorney-In-Fact &
Florida Licensed Resident Agent

JCA Surety Group, LLC
Name of Local Agency
123 Zelma Street, Suite A

Orlando, FL 32803
Business Address

Inquiries: (321) 800-6594

STATE OF FLORIDA

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared, Jessie Sloan to me well known, who being by me first duly sworn upon oath says that he is the attorney-in-fact for the Atlantic Specialty Insurance Company and that the has been authorized by Atlantic Specialty Insurance Company to execute the forgoing bond on behalf of the CONTRACTOR named therein in favor of the City of Hollywood, Florida. Subscribed and sworn to before me this 2nd day of April, 2026

Notary Public State of Florida
Kasandra Titus
My Commission HH 696912
Expires 7/11/2029

Notary Public, State of Florida
Kasandra Titus

My Commission Expires: 07/11/2029

- END OF SECTION-

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Hallie Martin, Jessie Sloan, Jorge L. Bracamonte, Thomas R Kirstein**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **unlimited** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this first day of January, 2023.

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

By _____
Sarah A. Kolar, Vice President and General Counsel

STATE OF MINNESOTA
HENNEPIN COUNTY

On this first day of January, 2023, before me personally came Sarah A. Kolar, Vice President and General Counsel of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and she acknowledged the execution of the same, and being by me duly sworn, that she is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.

ALISON D. NASH-TROUT
NOTARY PUBLIC - MINNESOTA
My Commission Expires
January 31, 2030

_____
Notary Public

I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 2nd day of April, 2026.

This Power of Attorney expires
January 31, 2030

_____
Kara L.B. Barrow, Secretary

Please direct bond verifications to surety@intactinsurance.com

Form 13

Bid Guaranty Form

(Construction)

STATE OF FLORIDA

KNOW ALL MEN BY THESE PRESENTS:
That we RF Environmental Services, Inc., as Principal, and Atlantic Specialty Insurance Company, as Surety, are held and firmly bound unto the City of Hollywood in the sum of _____ 5% of the bid amount Dollars ($_____) lawful money of the United States, amounting to 5% of the total SOLICITATION Price, for the payment of said sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal has submitted the accompanying SOLICITATION, dated April 2nd 2026 for

TEMPORARY SODIUM HYPOCHLORITE SYSTEM

CITY PROJECT NO. 24-9122

IFB-373-26-JJ

NOW, THEREFORE, if the principal shall not withdraw said SOLICITATION within 90 days after date of the same and shall within ten days after the prescribed forms are presented to him for signature, enter into a written contract with the CITY, in accordance with the SOLICITATION as accepted, and give bond with good and sufficient surety or sureties, and provide the necessary Insurance Certificates as may be required for the faithful performance and proper fulfillment of such Contract, then this obligation shall be null and void.

In the event of the withdrawal of said SOLICITATION within the specified period, or the failure to enter into such contract and give such bond and insurance within the specified time, the principal and the surety shall pay to the City of Hollywood the difference between the amount specified in said SOLICITATION and such larger amount for which the City of Hollywood may in good faith contract with another party to perform the work and/or supply the materials covered by said SOLICITATION.

IN WITNESS WHEREOF, the above bound parties have executed this statement under their several seals this 2nd day of April 2026, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

Witness

Address

Signature of Individual

Printed Name of Individual

Witness

Address

Form 14

LIST OF SUBCONTRACTORS

The Respondent shall list below the name and address of each Subcontractor who will perform work under this Contract, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Submittals, changes or substitutions will be allowed with written approval of the City of Hollywood. Subcontractors must be properly licensed.

	Work to be Performed	Subcontractor's Name / Address
1.	PLEASE SEE ATTACHED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

NOTE: Attach additional sheets if required.

- END OF SECTION -

FORM 15

INFORMATION REQUIRED FROM BIDDERS

GENERAL INFORMATION

The Bidder shall furnish the following information. Failure to comply with this requirement may cause its rejection. Additional sheets shall be attached as required.

1. **Contractor's Name/Address:** RF Environmental Services, Inc.
   4426 NE 8 Ave, Oakland Park, FL 33334
   Thaddeus Buckley

2. **Contractor's Telephone Number:** 954-605-6711
   and e-mail address: Thad@RFESWater.com

3. **Contractor's License (attach copy):** Please See Attached
   Primary Classification:
   Broward County License Number (attach copy):

4. **Number of years as a Contractor in construction work of the type involved in this Contract:** 10 years RF Environmental Services, Inc.
   28 years Thaddeus Buckley

5. **List the names and titles of <u>all</u> officers of Contractor's firm:**
   Thaddeus Buckley - President
   Katherine Buckley - Secretary

6. **Name of person who inspected site or proposed work for your firm:**
   Name: Thaddeus Buckley
   Date of Inspection: 1-20-26

7. **What is the last project of this nature you have completed?**
   SEE ATTACHED

8. **Have you ever failed to complete work awarded to you; if so, where and why?**

N/A

9. **Name three individuals or corporations for which you have performed work and to which you refer:**

Broward County - Oscar Asgar

McCafferty Brinson - Frank Brinson

Hazen & Sawyer - George Wrves

10. **List the following information concerning all contracts on hand as of the date of submission of this proposal (in case of co-venture, list the information for all co-ventures).**

Name of Project	City	Total Contract Value	Contracted Date of Completion	% Completion to Date
SEE ATTACHED				

(Continue list on inset sheet, if necessary)

11. **What equipment do you own that is available for the work?**

Diesel Generator, Concrete Saw, Concrete Chain Saw,

30 gal air compressor, forklift, Plate Compactor, Welding Machine

Pressure Washer, Precision Laser, Pump, Table Saw

30 gal Horizon Air Compressor, Industrial Welder

12. **What equipment will you purchase for the proposed work?**

N/A

13. **List at least three (3) similar projects completed within the last ten (10) years by the bidder. For purposes of this requirement, 'similar' projects shall be considered to include experience with dewatering facilities, grit removal facilities,**

concrete repair in WWTP headworks and gate replacement. Include owner's contact information (client's name, address, telephone number and email address), project value, completion date, reference contact information and brief project description. The determination of whether a project is sufficiently similar shall be at the sole discretion of the City and the Engineer.

SEE ATTACHED

(Add sheets as requested.)

14. Name the Project Manager proposed for this project. Attach a copy of the project manager's resume.

Thaddeus Buckley - resume attached

NOTE: If requested by CITY, the Bidder shall furnish a notarized financial statement, references, and other information, sufficiently comprehensive to permit an appraisal of its current financial condition.

Company Name RF Environmental Services, Inc.

Authorized Signature

Thaddeus Buckley

Print Name

President

Title

4-2-26

Date

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

BUCKLEY, THADDEUS R

RF ENVIRONMENTAL SERVICES, INC.
4840 NE 11TH AVE
FORT LAUDERDALE FL 33334

LICENSE NUMBER: CGC1518671

EXPIRATION DATE: AUGUST 31, 2026

Always verify licenses online at MyFloridaLicense.com

ISSUED: 08/27/2024

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

FORM 16

PROPOSAL

TO THE MAYOR AND COMMISSIONERS
CITY OF HOLLYWOOD, FLORIDA

SUBMITTED 4-2-26

Dear Mayor and Commissioners:

The undersigned, as BIDDER, hereby declares that the only person or persons interested in the Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Bid or Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The BIDDER further declares that he has examined the site of the Work and informed himself fully in regard to all conditions pertaining to the place where the Work is to be done; that he has examined the Drawings and Specifications for the Work and contractual documents relative thereto, including the Notice to Bidders, Instructions to Bidders, Proposal Bid Form, Form of Bid Bond, Form of Contract and Form of Performance Bond, General, Supplementary and Technical Specifications, Addenda, Drawings, and Local Preference Program, Exhibit A, and has read all of the Provisions furnished prior to the opening of bids; and that he has satisfied himself relative to the work to be performed.

The undersigned BIDDER has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other BIDDER of parties to this bid whatever.

If this Proposal is accepted, the undersigned BIDDER proposes and agrees to enter into and execute the Contract with the City of Hollywood, Florida, in the form of Contract specified; of which this Proposal, Instructions to Bidders, General Specifications, Supplementary Conditions and Drawings shall be made a part for the performance of Work described therein; to furnish the necessary bond equal to one hundred (100) percent of the total Contract base bid, the said bond being in the form of a Cash Bond or Surety Bond prepared on the applicable approved bond form furnished by the CITY; to furnish all necessary materials, equipment, machinery, tools, apparatus, transportation, supervision, labor and all means necessary to construct and complete the work specified in the Proposal and Contract and called for in the Drawings and in the manner specified; to commence Work on the effective date established in the "Notice to Proceed" from the ENGINEER; and to substantially complete all Contract Work within 30 days with final completion within 45 days, and stated in the "Notice to Proceed" or pay liquidated damages for each calendar day in excess thereof, or such actual and consequential damages as may result therefrom, and to abide by the Local Preference Ordinance, Exhibit A.

The BIDDER acknowledges receipt of the following addenda:

No. 1 Dated 2-12-26
No. 2 Dated 2-18-26
No. 3 Dated 3-12-26
4 3-19-26

And the undersigned agrees that in case of failure on his part to execute the said Contract and the Bond within ten (10) days after being presented with the prescribed Contract forms, the check or Bid Bond accompanying his bid, and the money payable thereon, shall be paid into the funds of the City of Hollywood, Florida, otherwise, the check or Bid Bond accompanying this Proposal shall be returned to the undersigned.

Attached hereto is a certified check on the

_____ Bank of _____

or approved Bid Bond for the sum of 5% of bid amount

_____ Dollars ($) according to the conditions under the Instructions to Bidders and provisions therein.

NOTE: If a Bidder is a corporation, the legal name of the corporation shall be set forth below, together with signature(s) of the officer or officers authorized to sign Contracts on behalf of the corporation and corporate seal; if Bidder is a partnership, the true name of the firm shall be set forth below with the signature(s) of the partner or partners authorized to sign Contracts in behalf of the partnership; and if the Bidder is an individual, his signature shall be placed below; if a partnership, the names of the general partners.

WHEN THE BIDDER IS AN INDIVIDUAL:

_____
(Signature of Individual)

_____
(Printed Name of Individual)

_____
(Address)

****

WHEN THE BIDDER IS A SOLE PROPRIETORSHIP OR OPERATES UNDER A TRADE NAME:

_____
(Name of Firm)

_____
(Address)

_____(SEAL)
(Signature of Individual)

****

WHEN THE BIDDER IS A PARTNERSHIP:

_____
(Name of Firm) A Partnership

_____
(Address)

By: _____
(SEAL)
(Partner)

Name and Address of all Partners:

_____

_____

****

WHEN THE BIDDER IS A JOINT VENTURE:

_____
(Correct Name of Corporation)

By: _____ (SEAL)
(Address)

_____
(Official Title)

As Joint Venture
(Corporate Seal)

Organized under the laws of the State of _____, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

****

WHEN THE BIDDER IS A CORPORATION:

RF Environmental Services, Inc.
(Correct Name of Corporation)

By:
(SEAL)

Thaddeus Buckley - President

(Official Title)

4426 NE 8 Ave, Oakland Park, FL 33334
(Address of Corporation)

Organized under the laws of the State of Florida, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

CERTIFIED COPY OF RESOLUTION OF
BOARD OF DIRECTORS

RF Environmental Services, Inc.
(Name of Corporation)

RESOLVED that Thaddeus Buckley
(Person Authorized to Sign)

President of RF Environmental Services, Inc.
(Title) (Name of Corporation)

be authorized to sign and submit the Bid or Proposal of this corporation for the following project:

Water Treatment Plant Aeration Building Pump Station Upgrade Project
Project No. 19-4253

The foregoing is a true and correct copy of the Resolution adopted by

RF Environmental Services, Inc. at a meeting of its Board of
(Name of Corporation)

Directors held on the 4th day of June, 2025.

By:

Title: Thaddeus Buckley - President

(SEAL)

The above Resolution MUST BE COMPLETED if the Bidder is a Corporation.

- END OF SECTION -

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 02/06/2026

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

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

PRODUCER	CONTACT NAME: Jim Murphy	
Brown & Brown Insurance Services, Inc. 1201 W Cypress Creek Rd Suite 130 Fort Lauderdale FL 33309	PHONE (A/C, No, Ext): (954) 776-2222	FAX (A/C, No): (954) 776-4446
	E-MAIL ADDRESS: 053.Certs@bbrown.com	

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A :	FCCI Insurance Company	10178
INSURER B :	Certain Underwriters at Lloyds	15025
INSURER C :	Underwriters At Lloyd's, London	32727
INSURER D :		
INSURER E :		
INSURER F :		

INSURED

RF Environmental Services Inc.
dba Milan Construction & Real Estate
4840 NE 11th Avenue
Oakland Park FL 33334

COVERAGES **CERTIFICATE NUMBER:** CL2562054879 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC ☐ OTHER:	Y		GL10009354701	06/27/2025	06/27/2026	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Employee Benefit Liab	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $ 1,000,000
A	AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ HIRED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS ONLY			CA10009354801	06/27/2025	06/27/2026	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	☒ UMBRELLA LIAB ☒ OCCUR EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION $ 10,000			UMB10009355101	06/27/2025	06/27/2026	EACH OCCURRENCE AGGREGATE	$ 4,000,000 $ 4,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		WC010007021905	06/27/2025	06/27/2026	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
B	Pollution Liability			CPL01625001	06/27/2025	06/27/2027	Each Incident Policy Aggregate	$2,000,000 $2,000,000

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

Re: Project Bidding: Hollywood - SRWWTP Temp Sodium Hypochlorite

The City of Hollywood is additional insured with respects to General Liability if required by written contract.

CERTIFICATE HOLDER

City of Hollywood - Public Utilities
1621 N 14th Ave
Hollywood FL 33020

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

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State of Florida
Department of State

I certify from the records of this office that RF ENVIRONMENTAL SERVICES, INC. is a corporation organized under the laws of the State of Florida, filed on January 28, 2016, effective January 27, 2016.

The document number of this corporation is P16000009528.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on February 14, 2024, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourteenth day of February, 2024

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

Secretary of State

Tracking Number: 5698487124CC

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

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

Membrane WTP's are Highlighted

RF Environmental Services, Inc.



PERSONAL STATEMENT

"As a result of my tenure working for municipalities in the Tri-County area , I have developed long-standing relationships with many of the County's and City's construction and engineering staff. I understand and can exceed their expectations for project delivery."

OFFICE LOCATION

Miami & Fort Lauderdale, FL

EDUCATION

BS, Mechanical Engineering, National University of Florida, 1996

LICENSES/ REGISTRATIONS

Certified General Contractor – FL, #CGC1518671

Certified Mechanical Contractor – FL, #CMC1250334

Certified Plumbing Contractor – FL, #CFC1429319

Certified Pollutant Storage Contractor – FL, #PCC 1256939

MEMBERSHIPS/ AFFILIATIONS

Designated DBIA Professional

Construction Association of South Florida

Association of General Contractors of America

Thad Buckley, President

Mr. Buckley has more than 20+ years of construction and engineering experience including work on water and wastewater treatment facilities, commercial and industrial HVAC and plumbing projects, and heavy duty industrial mechanical installations. In January 2016 Mr. Buckley founded RF Environmental Services, Inc. (RFES). Mr. Buckley has been responsible for the procurement and execution of water and wastewater treatment projects utilizing the Hard-Bid, CMAR and Design-Build delivery methods. By utilizing his knowledge and expertise in business and project development, estimating, design, start-up, testing and commissioning, and overall quality control for designing, estimating, construction, Mr. Buckley has procured and completed some of the most complex projects in the state. Mr. Buckley has had complete project responsibility for some of the most involved and technically challenging projects throughout Florida, from the largest membrane softening water treatment plant in the United States at 40-mgd to the installation of over 15,000 feet of 20"/24" steel pipe in the tarmac at Miami International Airport. Mr. Buckley has also served as the project executive for multiple, large scale, projects throughout the Tri-County area.

Previous Relevant Work Experience

MWH Constructors, Inc., Florida Regional Manager (2012-2016)

While with MWH Constructors, Inc., Mr. Buckley helped establish the Company's "Hard-Bid" and "Self-Perform" capabilities. With MWHC's main office located in Broomfield, CO, it was Mr. Buckley's responsibility to establishing their Florida based estimating, project management, field staff and "self-perform" teams. These initial efforts culminated in the Award and Substantial Completion of the MWHC's first "Hard-Bid - at Risk" construction project in the Company's history. Mr. Buckley also acted as the Company's general construction, mechanical and plumbing qualifier for the work in Florida.

Poole and Kent, Inc., Vice President (1996-2012)

Mr. Buckley started his professional construction career after graduation from the University of Florida with Poole and Kent as an assistant project manager working at Miami-Dade County's Central District Waste Water Treatment Plant. Having worked there for 16 years Mr. Buckley performed every job required at Poole and Kent from clerk to chief project estimator, and from superintendent to project executive. During this time at Poole and Kent Mr. Buckley gained valuable experience in both general construction and mechanical cost estimating; and the detailed bidding requirements specific to the municipal water & wastewater treatment sector, including insurance and indemnification requirements and standards, bond requirements and construction risk allocation, and scheduling.

Relevant Project Experience

RFES Project Manager, North Regional WWTP Reclaimed Water Plant Expansion, Broward County, Broward, FL

Mr. Buckley led this effort as project manager. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $10.6M project includes the furnish and installation of two (2) 2,500kw Gen-Sets, Sixty-Four (64) Dyna-Sand reuse filters, Two (2) Auto-

Backwash Strainers, Five (5) FRP Tanks, and Twelve (12) Re-Use and Filter Pumps.

RFES Project Manager, WTP Improvements, City of Pembroke Pines, Pembroke Pines, FL

Mr. Buckley led this effort as a project manager, he produced initial and final cost estimates and managed the proposal, design, purchasing and coordination of all major design, process equipment and subcontractor packages. Was directly responsible for assembling the design and construction teams on this project. After completing the design phase, he turned over day-to-day operations of the construction activities to the on-site project management team. This $2.9M project entailed installation of new air scour system on (16) Greenleaf Filter Cell including new blower and air distribution header throughout the water treatment plant.

RFES Project Manager, WTP Lime Feed System Refurbishment, SCC Valve Insertion and Mag-Flow Meter Insertion, City of Pembroke Pines, Pembroke Pines, FL

This $3.1 million project entails the refurbishment of lime systems No. 1 and 2. Mr. Buckley produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. The contract includes the installation of two new slakers, including new lime slurry feed tanks, new slurry feed pumps. Replacement of the lime slurry pumps at Silo No. 3, provide rehabilitation to Silos No. 1 and No. 2. Excavate, cut and install (3) new isolation valves.

RFES Project Manager, WTP 1A and 2A Treatment Unit Rehabilitations, Broward County, Broward, FL

Mr. Buckley led this effort as a project manager, he produced initial and final cost estimates and managed the proposal, design, purchasing and coordination of all major design, process equipment and subcontractor packages. Was directly responsible for assembling the design and construction teams on this project. After completing the design phase, he turned over day-to-day operations of the construction activities to the on-site project management team. This $1.8M project entailed the rehabilitation of existing Lime Treatment Unit #2 at WTP 2A and Lime Treatment Unit #1 at WTP 2A, including 36" Pipe repair.

RFES Project Manager, Sodium Hypochlorite and CO2 Injection System, City of Pembroke Pines, Pembroke Pines, FL

This $2 million project entails the installation of a Sodium Hypochlorite and Carbon Dioxide Injection System. Mr. Buckley produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. The contract included the replacement of components of (2) sodium hypochlorite injection triplex skids, replacement of sodium hypochlorite transfer pump including all electrical cables and piping.

Project Executive (PK), South District WWTP Cogeneration Facility Improvements, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of project managers and engineers during the RFQ, RFP, Design & Construction phases of the project. He produced initial and final cost estimates and managed the proposal, design, purchasing and coordination of all major design, process equipment and subcontractor packages. This included design service agreements in the amount of $2M, cogeneration system equipment package worth $4M and a $3.5M electrical system subcontract agreement.

Project Executive, Belle Glade Wastewater Treatment Plant Improvements, Glades Utility Authority, Belle Glade, FL

Mr. Buckley led this effort in a Principal-in-Charge and Lead Estimator capacity by managing the team of project managers, field staff and estimators. He produced initial and final cost estimates and managed purchasing and

coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $1.6M project includes the installation of bar screen covers, oxidation ditch splash guards, sodium hypochlorite feed system and piping, automatic slide gate and fencing; the modifications of the headworks piping, deep injection well effluent piping, weir; and purchase of outdoor refrigerated samples, WAS pumps, and sludge pumps.

Project Executive, South District WWTP Cogeneration Facility Improvements, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of project managers and engineers during the RFQ, RFP, Design & Construction phases of the project. He produced initial and final cost estimates and managed the proposal, design, purchasing and coordination of all major design, process equipment and subcontractor packages. This included design service agreements in the amount of $2M, cogeneration system equipment package worth $4M and a $3.5M electrical system subcontract agreement. He was also directly responsible for assembling the design and construction teams on this project. After completing the design phase, he turned over day-to-day operations of the construction activities to the on-site project management team. This $20M project entailed the upgrade to the existing Cogeneration System at the South District WWTP including design, permitting, supply, fabrication/installation of (5) new cogeneration units and associated 5kV electrical systems, as well as combustion gas pre-treatment systems, exhaust and engine cooling water heat recovery systems for the digested sludge treatment process and the combustion air cooling through the use of an absorption chiller and hot oil recirculation.

Project Executive, South District WWTP HLD Upgrade to 285-mgd Filter System, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley, as part of the executive bid team on this project, performed the pre-bid estimating for all the wastewater treatment plant process equipment on this project. Then after contract award, acting as a project executive purchased, coordinated and scheduled the delivery all major process equipment for this project, including: (16) 200 hp Backwash Pumps, (7) 500 hp blowers, (12) mixers, switchgear, transformers, MCCs, (161) 24-inch motor operated control valves, (35) flow meters, (43) level transmitters, and multiple local control panels, and the process instrumentation package. These responsibilities included negotiating subcontract and purchase order terms and conditions with both contractor selected and Owner "sole-source" vendors and subcontractors, assuring that Miami-Dade County contract requirements were including in all subcontractor and vendor agreements. This $135M project, part of the $628M high-level disinfection project currently underway at the South District WWTP, entailed the construction of one of the largest deep bed sand filter systems in the US.

Project Executive, South District WWTP Fat, Oil & Grease Septage Facility, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley, as part of the executive bid team on this project, performed the pre-bid estimating for all of the wastewater treatment plant process equipment on this project. After contract award, he acted in a project executive role and purchased, coordinated, and scheduled for delivery all major process equipment for this project, including: grit pumps, overflow & flushing water pumps, slide, weir & sluice gates, submersible pumps, grit classifiers, mechanical bar screens, odor control systems, chemical systems, motor operated control valves, flow meters, level transmitters, local control panels, and the process instrumentation package.

Project Executive, Belle Glade Wastewater Treatment Plant Improvements, Glades Utility Authority, Belle Glade, FL

Mr. Buckley led this effort in a Principal-in-Charge and Lead Estimator capacity by managing the team of project managers, field staff and estimators. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all

phases of construction. This $1.6M project includes the installation of bar screen covers, oxidation ditch splash guards, sodium hypochlorite feed system and piping, automatic slide gate and fencing; the modifications of the headworks piping, deep injection well effluent piping, weir; and purchase of outdoor refrigerated samples, WAS pumps, and sludge pumps.

Project Executive, Hollywood Water Treatment Plant Electrical Power Generator System Expansion, Hollywood, Florida

This $1.7 million project entails the construction of expansion of the generator system at the existing water treatment plant. Mr. Buckley produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. The contract includes the installation of a new 1500 kW, 13.2 kV diesel engine generator set in the existing Generator Building, modifications to the existing switchgear, low voltage MCC, and generator control system; the installation of new component panels for the existing generator section and a new door/panel for the master control section; modifications to existing SCADA systems; installation of a new fuel supply system, new engine cooling system and insulated piping; and removal of modified bitumen roofing and replacing with a new EPDM membrane roofing system.

Project Executive, Hollywood Water Treatment Plant Membrane Replacement, Hollywood, Florida

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing the team of project managers and field staff. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $1.7M project entails the removal and replacement of the nano-filtration membrane elements in the seven existing membrane softening trains at the existing water treatment plant.

Project Executive, Wastewater Repump Stations A, B & E Rehabilitation, City of Fort Lauderdale, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of four project managers and field staff which were charged with completion of all of the City of Fort Lauderdale work being completed concurrently at the time. In this role Mr. Buckley was a key factor in keeping all these projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $11.7M project entailed the rehabilitation of three re-pump stations for the City of Fort Lauderdale. All electrical and mechanical equipment was replaced and upgraded including generators. All wastewater ductile iron pipelines associated with each respective pump station were replaced as well. A bypass system was installed to help manage the system flow at each pump station. Each station required a system shutdown to install the ductile iron pipe required during the allotted time frame. Major equipment for this project included: four 450 hp horizontal non-clog pumps, one 2,000 kw diesel-electric generator, one 900 kw diesel-electric generator, one 8,000 gallon above-ground fuel storage tank, four 250 horizontal non-clog pumps, three 60 hp horizontal non-clog pumps, four 160 V VFDs, and seven 480 V VFDs.

Project Executive, G.T. Lohmeyer WWTP Pumping System Improvements, City of Fort Lauderdale, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of four project managers and field staff which were charged with completion of all of the City of Fort Lauderdale work being completed concurrently at the time. In this role Mr. Buckley was a key factor in keeping all these projects on schedule and under budget by mitigating subcontractor and vendor claims and change orders to the fullest extent possible. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $12.5M project entailed the following: replacement and upgrade of all field instrumentation, the replacement of the 750 kva generator with a new 1,200 kva generator and motor control center, and upgrade the fuel storage tank to current Building Code standards. At Pump Station No. 1, P&K replaced three 10-inch sewage pumps with three 10-inch horizontal sewage pumps. At Pump Station No. 2, P&K replaced three sewage pumps with three 8" vertical pumps. At Pump Station No. 3, P&K replaced all three 6-inch sewage pumps with three 6-inch vertical pumps. At the dewatering building, P&K replaced all eight sludge pumps with new 6-inch sludge pumps. At the Effluent Pump Station, P&K replaced all three non-potable water pumps.

Project Executive, Waste Management CNG Fueling Facility, Waste Management, Pompano Beach, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing the team of project managers, estimators and field staff. He produced initial and final cost estimates, negotiating the contract with the prime contractor who was working for Waste Management. During construction he managed purchasing, coordination of all major equipment and subcontractor packages and performed general project oversight through all phases of construction. This $1.7M design-build project included the installation of a new water main under the existing truck parking area. Additionally, the project requires the installation of a new compressed natural gas system including equipment, piping, and remote fueling stations for mechanical, electrical and civil systems.

Project Executive, Peele-Dixie Membrane Plant, City of Fort Lauderdale, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of four project managers which were charged with completion of all of the City of Fort Lauderdale work being completed concurrently at the time. In this role Mr. Buckley was a key factor in keeping all these projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $27.3M project entailed the construction of the 12-mgd membrane softening water treatment facility at the existing plant which was built in 1926. In addition to the membrane facility, the project involved building generator and chemical buildings and installed four membrane process skid units each with 77 pressure vessels. The major components of the work included the installation of one 300 hp variable speed membrane feed pump, four raw water cartridge filters, a new high service pump station with five 250 hp vertical turbine high service pumps, three 60 hp transfer pumps, a new chemical tank farm, a metering pump building, and two 1750 kva emergency diesel generators.

Project Executive, Southern Regional WWTP Oxygen System Upgrade, City of Hollywood, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of project managers and engineers during the RFQ, RFP, Design & Construction phases of the project. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. Mr. Buckley also played a key role in keeping all the projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. This $10M design-build project rehabilitated the existing 64 TPD oxygen generation system for the City of Hollywood. The scope of the project included the preliminary and final design, permitting, and construction of the following project components: replacements of the dual 1,250 hp air compressors with three 900 hp units; rehabilitation of two existing LOX storage tanks and piping; rehabilitation of existing cryogenic oxygen generation system; installation of three new ambient air vaporizers, new instrument air compressor, and new instrument air piping; replacement of various piping systems with carbon steel, PVC, 316 stainless steel, and monel stainless steel, and miscellaneous site work. This project required meticulous up-front planning and scheduling, as well as extremely close coordination with the plant operating staff as the SRWWTP is an operating facility.

Project Manager, Fiveash Water Treatment Plant Upgrades – Phase 1, Ft. Lauderdale, FL.

This $12.5 million project upgraded the entire water treatment plant's instrumentation and control system from the existing pneumatic control system to the state-of-the-art PLC and fiber optic control system. This required the replacement of more than 250 automatic control valves and the associated piping throughout the water treatment plant, including (11) on each of the (22) existing gravity filters. The project also involved replacing the main plant's core control system, installing four new lime slakers with new controls and instrumentation, two 200 HP high service pumps, new polymer distribution system with four new polymer feed pumps, a new lime sludge thickening tank with three submersible pumps, a new aqueous ammonia storage tank and pump building with two 10,000 gallon steel storage tanks and four metering pumps, and miscellaneous valves and control upgrades throughout the plant.

Project Manager, Fiveash Water Treatment Plant Filter Rehabilitation, Ft. Lauderdale, FL.

This $2.4 million project entailed the rehabilitation of six of the existing (22) filters at the Fiveash Water Treatment Plant under the WaterWorks 2011 program. During the completion of the contract work, the City of Fort Lauderdale increased our scope of work from six to ten filters. Each of the ten filter rehabilitations included removal of the existing filter internals, including the underdrain system, media and surface wash piping. The inside concrete surfaces of all rehabilitated filters

were refinished and prepared for the new underdrain and media installation. A new 316 stainless steel surface wash system was installed in each filter, and each pair of rehabilitated filters was tested, disinfected, and placed back into operational service within six weeks of being taken out of service.

Project Manager, Glades Road WTP 40-mgd Membrane Softening Process Addition, Boca Raton, FL.

This $49.6 million project included the construction of a 40-mgd Membrane Softening Water Treatment Facility which included the installation of degasifiers, odor control system, and three 1.5 mW generators. To this date this facility remains one of the largest nano-filtration water treatment facilities in the world, having (12) membrane process skid units each with 96 pressure vessels and one 200 HP variable speed membrane feed pump. Also included under the scope of construction for this project was (4) raw water pressure filters rated for a total flow of 47-mgd, a new raw water booster pump station with (6) 250 HP constant speed pumps, a new high service pump station with (2) new dual drive high service pumps rated at 700 HP and 1200 HP, (3) new 100 HP vertical turbine transfer pumps, a new chemical tank farm and metering pump building, a new generator and switchgear building.

Project Manager, G.T. Lohmeyer WWTP Effluent Pump Station, Ft. Lauderdale, FL.

This $6.2 million project required the replacement of five deep well injection pumps. This project was particularly challenging as there was no effective way to isolate the wastewater treatment plant from the effluent pump station, as such all work during scheduled shut-downs had to be closely coordinated at night during low-flow conditions and could not exceed (4) hours. Construction consisted of the following elements: installation of two 1,250 HP – 15,200 GPM and three 1,750 HP – 22,800 GPM, 4,160 volt electric non-clog centrifugal pumps a new effluent pump control system, including new PLC's; wet well level controls, MMI systems and software, and a state-of-the-art pump monitoring system, measuring four temperatures and four vibration readings on each pump and motor. The project involved constructing a new electrical service distribution system for the new pumps, including a FPL vault, VFD control room, and all required HVAC systems

Project Manager, Glades Road Sodium Hypochlorite Generation System, Boca Raton, FL.

This $4 million project included the following: demolition of the existing chlorine gas storage, handling and feed systems; rehabilitation of the existing chlorine storage area and chlorinator room; modifications to receive the new on-site generation and feed equipment; two 70-ton salt/brine tanks each equipped with a salt truck off-loading station and brine make-up water softener system; three 1,500 pound per day (ppd) electrolytic on-site sodium hypochlorite generation units; five 18,500 gallon sodium hypochlorite solution storage tanks; and six hypochlorite metering pumps (each equipped with variable frequency drives); and all associated sitework, yard piping, electrical, instrumentation, and controls improvements.

Additional Project Manager Experience:

Glades Road Wastewater Treatment Plant Sludge System Improvements, Boca Raton, Florida, 2003

Springtree Water Treatment Plant, Sunrise, Florida, 1998

9th Street Pump Station Improvements, Miami, Florida, 1998

Central District WWTP Oxygenation Generation, Miami, Florida, 1996

Central District WWTP Odor Control Facility No. 5, Miami, Florida, 1996

Bal Harbour Pumping Station, Miami, Florida, 1997

Alexander Orr WTP Softening Modifications, Miami, Florida, 1997

World Ford, Hollywood, Florida, 1999

Broward County Libraries Energy Conservation and Ice Storage Facility, Broward County, Florida, 1999

Miami International Airport Concourse "E" Satellite Extension Tunnel and Utility Corridor, Miami, Florida, 1999

Miami International Airport Concourse "J", Miami, Florida, 2000

Miami International Airport South Terminal Expansion, Miami, Florida, 2000

Douglas Lenz

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Membrane WTP's are Highlighted

Project Management / Supervision

Planning, Coordination, Material procurement, Time management, OSHA and EM 385 (US Army Corps of Engineers) Compliance, Manpower loading and Forecast scheduling from Mobilization to Milestones into Substantial & Final Completion. Excellent ability to decipher contracts, drawings with specifications, submittals, shop drawings and surveys. Maintaining As-Built drawings. Dedicated to delivering quality finished product within budget. Experienced in the Procurement and Compliance of building and dewatering permits. Scheduling of Inspections by appropriate Municipalities and Engineer representatives.

Work History

Harry Pepper & Associates Project (General) Superintendent	2011 – 2012
Poole & Kent Company of Florida Project Superintendent	1997 – 2011
Tripp & Associates Project Superintendent	1995 – 1997
Widell & Associates, Inc. Project Superintendent	1987 – 1995
Tripp & Associates Project Superintendent	1984 – 1987
Widell & Associates, Inc. Project Superintendent	1978 – 1984
Grumman Eco-Systems Millwright	1976 – 1978

Experience

Survey

Jobsite Layout and Elevations with Digital Theodolite Transits (Total Stations) and Leica GPS-900 System from Bench Marks / Monuments

Pipe Laying / Pipe Fitting / Plumbing

Ductile Iron (ACIPCO)	Fastite, Flex ring, M.J., Flanged, VIC–Grooved, Field-Flex, Lok-Ring
Steel & Stainless Steel	Threaded, VIC-Grooved, Welded, Flanged
Cast Iron	Hub and No Hub couplings
Copper	Solder Joints (water, air and refrigeration)
Brass	Threaded and Welded
PVC and CPVC	Threaded, Glue, VIC-Groove, Welded
HDPE	VIC-Groove, Flanged, Fusion
R.C.P.	Assembly with testable joints underwater (Price Bros / Hanson)
Concrete	Drainage structures and conduit
Corrugated Metal	Steel and Aluminum
Fiberglass	Ductwork

Concrete

Forming	Using panels with taper-ties and snap-ties (Symons) (Patent) (Economy) plywood Keyways and bulkheads with PVC or Steel waterstop
Placement	Using truck-mounted booms, Hydraulic trailer pumps – crane / bucket
Finishing	Screeds, Laser leveling, vibration, power trowelling machine, hand float, trowel, edging, N.S. grouting of equipment bases, point & patch, sponge rubbing
Cutting	Blade and diamond chain saw and cord drilling, demolition, hydraulic and pneumatic hammers
Reinforcement	Bending, Placement

Carpentry

Rough	Forming for concrete with plywood/lumber. Wood & steel framing for houses, garages, barns. Setting and alignment of roof trusses (wood & steel). Hang and finish drywall. Wood fencing.
Finish	Hanging of doors, frames and hardware (wood, steel & fiberglass). Installation of cabinets, counters and vanities. Wood paneling and trim.

Equipment Operation **CDL Class "A" Safe Driver Florida License**

Crane	Boom trucks, carry deck, hydro (all terrain & truck/carrier), friction (track) using drag, clam and concrete buckets. Sheet piling diesel hammer, vibratory sheet pile driver/extractor, hydraulic auger for cast in place piling.
Excavators	Track-hoe (full size and mini), rubber tire combination, dozer, wheel loader, grader, skid-steer loader with hoe, breaker and broom attachments), tractor with box blade.
Compaction	Jumping Jack rammer, reversible plate, single drum (ride on) vibratory
Forklift	Warehouse lift truck, straight mast rough terrain, shooting boom rough terrain

Welding AC/DC, MIG/TIG/Stick

Cutting Carbon Arc, Plasma, Oxygen and Acetylene

Installation, Leveling and Alignment of:

- R.O. and De-saltation Membranes
- Generators, Silencers, Fuel systems
- Pumps, Motors, Piping
- Gantry systems
- Air compressor systems
- Vacuum pump systems
- Chlorination and chemical feed systems
- Turbine generator
- Barscreens (Parkson)
- Primary & Secondary Clarifiers
- Lime Slakers
- Sodium Hypochlorite Generator
- Pressure sand filter (Roberts)
- Odor control and degasifiers
- Fire sprinkler systems
- Irrigation systems

Experience developed from:

- Construction of WTP and WWTP
- Pumping Stations and Pipe Laying
- Sheet Piling Cofferdams w/tremie seals
- Wellpoint Dewatering Systems
- Open pumping with under-drain systems
- A/C and Refrigeration Equipment
- Commercial Buildings (single and multi-story)
- Shopping Centers and Convenience Stores
- Above ground fuel storage systems
- Service Stations and Fuel Islands
- Steel Buildings and their foundations
- Concrete steel and fiberglass tanks
- Truck Weighing Stations
- Custom multi-million dollar homes

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Job details, history and contacts for the various jobs and projects that I have worked on over my career.

Harry Pepper & Associates **Project / Job Details:**	**2011 – 2012** **Project Value**
Picayune Strand Restoration & Faka/Union Pump Station Collier County, Naples, FL USACE Jacksonville District SFWMD HPA Sr. Project Manager Allen Bales (321) 543-7438 Bales@cfl.rr.com	**$79M**
Poole & Kent Company of Florida *(Member of Safety Committee for OSHA Compliance)* **Wastewater/Water Treatment Plants** **Project / Job Details:**	**1997 - 2011** **Project Value**
SDWWTP (Black Point) Chlorine Contact Tanks 5–9, Miami, FL Hazen & Sawyer Jose Orlando (305) 393-1711 Metro Dade Utilities Brian Held - Field Inspector (305) 903-6478	**$18M**
SDWWTP (Black Point) Septage Receiving & Solids Process Bldg., Miami, FL Metro Dade Utilities Alex Chong - Field Inspector (305) 710-4853	**$16M**
SRWWTP Oxygen System Upgrade, Hollywood, FL Camp, Dresser, McGee Frank Brenson (954) 802-3058 Air Products Sara Hammon	**$10M**
Peele Dixie WTP Membrane and Ground Storage Facility, Ft. Lauderdale, FL Hazen & Sawyer W.D. Brown - Field Inspector Rick Johnson - Chief Operator (954) 828-7865 Worked under Thad Buckley	**$26M**
Wastewater Re-pump Stations A, B & E Rehabilitation, Ft. Lauderdale, FL CH2MHill Larry Bower – PMT (954) 520-1713 Camp, Dresser McGee Jeff Manning (954) 448-3807 Chief of Operations Steve Roberts (954) 828-7854	**$17M**
G.T. Lohmeyer WWTP Pumping System Improvements, Ft. Lauderdale, FL CH2MHill Larry Bower – PMT (954) 520-1713 Camp, Dresser McGee Jeff Manning (954) 448-3807 Chief Operator Steve Curmode (954) 523-1002	**$8.5M**
Fiveash Water Treatment Plant Upgrades – Phase 1, Ft. Lauderdale, FL CH2MHill Larry Bower –PMT (954) 520-1713 Hazen & Sawyer George Brown (954) 987-0066 Chief Operator Rick Johnson (954) 828-7865	**$16.5M**
Glades Road WTP Membrane Softening Process Addition – Boca Raton, FL ***"World's Largest Membrane Softening Water Treatment Plant"*** Camp, Dresser, McGee Jeff Manning (954) 448-3807 Ed Hause (954) 605-9789 Worked under Thad Buckley City of Boca Raton Admin Team Chris Helfrich – Director of Utilities (561)338-7301 Norm Wellings-Operations Director (561) 338-7300	**$49.75M**
Bonita Springs Water Reclamation Facility, Bonita Springs, FL CH2MHill Don Klose - East Coast Mgr (813) 918-6266 Bonita Springs Utilities Director	**$6M**

Bonita Springs Water Reclamation Facility, Bonita Springs, FL – cont'd Fred May - Senior PM (941) 875-1592 Pat Jennings (239) 992-0711 Katos Watson – PM (239) 707-6173 Gary - Project Supt (239) 707-6172	
Poole & Kent Company of Florida **Wastewater/Water Treatment Plants** **Project / Job Details:**	**1997 - 2011** **Project Value**
G.T. Lohmeyer WWTP Effluent Pump Station - Ft. Lauderdale, FL CH2MHill Camp, Dresser McGee Chief Operator Larry Bower - PMT Jeff Manning John McGeary (954) 520-1713 (954) 448-3807 (954) 523-1002	**$8M**
Palm Beach County Membrane Plant No. 9 - Boca Raton, FL Palm Beach County Utilities Bill Latinsky (561) 541-0754	**$25M**
Tequesta Water Treatment Plant - Tequesta, FL Reese, Macon & Associates (561) 433-3226 Bill Reese (561) 248-3226 wreese@Arcadis-us.com Jim Macon Dale Scott – PM	**$5.5 M**
Sawgrass WWTP Expansion and Biosolids Facility - Sunrise, FL Camp, Dresser, McGee (954) 776-1731 City of Sunrise Larry Martin – Senior PM (941) 656-5211 Chris Helfrich - Finance Jim Crane – S FL Mgr Walter Garrard – Adm Control Ben Cinquegrana – Project Inspector Chuck Irvine – Adm Control Robert Trautman – Project Inspector Tony Yates – Adm Control	**$24M** *This reflects a $4M change order*
Springtree Water Treatment Plant - Sunrise, FL Montgomery Watson - Engineer City of Sunrise Albert Weidner – Project Inspector (954) 572-2424 Chris Helfrich - Finance Howard Rupper – Chief Operator Walter Garrard – Adm Control Chuck Irvine – Adm Control Tony Yates – Adm Control	**$16M**
Alexander Orr Water Treatment Plant - Miami, FL Miami Dade Utilities Murray Grant – Utilities Director Alfredo Sanchez – Field Inspector	**$14.2M**
Alexander Orr Lime Kiln Improvements - Miami, FL Miami Dade Utilities Murray Grant – Utilities Grant Alfredo Sanchez – Field Inspector	**$2.5M**
Tripp & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1995 – 1997** **Project Value**
Turbine Generator Facility Superstructure 42'Wx82'Lx60' Tall steel I-Beam structure with 30 ton gantry crane. Mid-elevation concrete operating floor around 10.5 mil-amp steam turbine generator on pedestal base with lower level grading deck for switchgear and lubrication system. Structure enclosed with concrete block with formed columns and beams. Building featured 110 ton chilled water ventilation system with code 850 (fire) smoke or steam discharge system. **Condenser Cooling Tower Circulation Pumps and Piping** Paired 26" steel pipes on steel support frames (20' off ground) with expansion support guides. From turbine generator building to cooling tower. Installed three base mounted split-case horizontal circulation pumps with steel suction piping and stainless strainers and wall embedded sleeve.	**$1.7M**

Condenser Cooling Tower Circulation Pumps and Piping – cont'd Hutcheon Engineers 4431Embarcadero Dr West Palm Beach, FL (561) 845-0665 Robert Howl, Kirk Drost, Anthony Sulkowski Sugar Cane Growers Co-Op – Belle Glade (561) 996-5556 Vice President: Jose Alvarez New Construction Control: Bob Mattox	
Tripp & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1995 – 1997** **Project Value**
Belle Glade Transfer Station Project #SWA 95-240/JMD, Palm Beach, FL **Solid Waste Authority** Project consisted of two concrete structure contained truck scales with approach slabs on either side of scale house/administration building with overhead concrete double tee porch. Transfer building 100'x120' formed concrete structure with steel building upper structure. Split-level structure with two semi-truck drive-thru lanes with approach aprons and axle scales. HDR Engineering, Inc Tampa, FL Neal Poteet (813) 282-2383 SWA Engineer Jack Mesojedec P.E. Brent Headberg - Project Inspector (561) 640-4000	**$3.3M**
Process Water Pumping Station and Transfer Main Project consisted of open pumped excavation. Poured in place concrete 14'x35'x25' depth structure with 16' walls on 36" ballast foundation. 60" influent slide gate and FMC revolving self -cleaning screen filter with two 100HP vertical pumps discharging into 16" PVC ½ mile long transfer main to sand filters. Sugar Cane Growers Cooperative of Florida 1995 Mill Expansion 160 Airport Rd Belle Glade, FL Global Tech, Inc. P.O. Box 2487 Boca Raton, FL (561) 368-2713	**$380K**
Filtered Mud Recovery System Project consisted of two skid mounted transfer pump stations with all steel discharge piping draining to them. These stations transferred mud slurry to main exterior steel mixing tack with vari-speed centrifugal pumps transferring back through steel piping to primary filters.	**$550K**
Widell & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1987 – 1995** **Project Value**
Hood Road Water Treatment Plant Modifications, Palm Beach Gardens, FL **Seacoast Authority** Project consisted of demolition of the existing valve-less filter train system dewatering and installs tapping saddle on existing 60" R.C.P. connecting to two vari-speed high service pumps in cans with discharge yard piping. Demolition of existing steel precipitator and concrete foundation construction of new 70' concrete accelerator softener tank. Relocated lime system on existing high service pumps. Reese, Macon and Associates, Inc. 6415 Lake Worth Rd, Suite 307 Lake Worth, FL Bill Reese P.E. James Macon P.E.	**$1.87M**

Reclaimed Water Facility, Palm Beach Gardens, FL **Seacoast Utility Authority PGA Wastewater Treatment Plant** Project consisted of new filter feed pump and yard piping to tertiary filters. New chlorine handling facility. 375 linear ft. of 30" D.I.P. through storage ponds #11 and #12. 30'Lx16'Wx16'D pump station with 150HP pumps and jockey pump. 24" discharge header and force main through plant. Engineering Concepts in Design, Inc. 1080 E. Indiantown Road, Suite 202 Jupiter, FL John C. Whitmer P.E. Eric Crawford P.E.	**$961K**
Widell & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1987 – 1995** **Project Value**
WWTP Expansion Sludge Treatment Facility, Broward County, FL Project consisted of concrete building containing sludge boilers, sludge transfer pumps and gas-blowers with connecting piping to two floating cover sludge digesters with mixing cannons inside. Steel gas piping was laid to existing digesters with new cannons. Camp, Dresser & McKee, Inc. James Holly - Assistant Engineer (305) 776-1731	**$7.82M**
Wastewater Effluent Irrigation Facility, City of Pompano Beach, FL Project consisted of two million gallon Crom ground storage tank that was given the ***Award of Excellence for Distinguished Architectural Treatment in Pre-Stressed Concrete Tank Construction*** by Portland Cement Association. An esthetic matching control building with chemical equipment. A Parkson four well sand filter. A multi-horsepower irrigation pump station approximately one mile of 16" D.I.P. distribution main south through golf course. Eckler Engineering Don Eckler P.E. (954) 755-1351 Robert Ruthmeyer - Field Inspector	**$3.25M**
Wastewater Treatment Plant Expansion, City of Royal Palm Beach, FL Project consisted of 200' oval racetrack aeration basin with two 60' clarifiers and combination contact tank with deep well pump station. Responsibilities began with structural and mechanical foreman but completing the project as superintendent. Craig A. Smith & Assoc, Inc. (954) 782-8222	**$2.7M**
Tripp & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1984 – 1987**
S & M Distributors (Farmers Market) Pompano Beach, FL 35,000 sq. ft. steel building; re-skin and divide into storage coolers with insulation and refrigeration. Addition of 3,800 sq. ft. ripening rooms on north truck loading dock.	
J.R. Brooks and Son 18400 SW 256th St. Homestead, FL 3,800 sq. ft. foundation and fabrication of steel tubing mainframe and mid rack of insulated/refrigeration steel building for tropical produce ripening. Mike Hevener Operations Manager (305) 247-3544	
Winn Dixie Shopping Center Expansion (30,300 sq. ft.) – Royals Properties, Inc. Turn-key completion of Scotty's Hardware, Cato's Clothing.	
Thriftway Food Supermarket, Clewiston, FL Rebuild 25% structural concrete and 40% of roof trusses as result of fire damage.	
Glades Middle School – Airport Rd, Belle Glade, FL 5,500 sq. ft. boys and girls locker room addition to existing gym.	
Big B Ranch – State Rd 27 (South Bay Sugar Cane Grower) Single story 6,100 sq. ft. CBS office and storage building	
Bernie Little Beer Distributors – Belle Glade, FL Steel building addition. Piling foundation and forklift ramp and new cooler area.	

Consolidated Chemical, Inc. – Lake Harbor, FL Fairbanks-Morris truck scale and gauge house. Stand up wall fertilizer storage Building.	
Timesaver Convenience Store & Covered Fuel Island – Belle Glade, FL Kirchman Oil Corp – State Rd 80 & Tabit Rd., Belle Glade, FL (561) 996-2033	
Timesaver Convenience Store & Covered Fuel Island – South Bay, FL Kirchman Oil Corp – State Rd 80 & Tabit Rd., Belle Glade, FL (561) 996-2033	
Western Auto Plaza 32,000 sq. ft. two-story commercial building addition. Owner: Tom Bonavita	
Widell & Associates **Responsibility – Mechanical and/or Structural Foreman** **Projects / Job Detail**	**1978 – 1984**
Water and Wastewater Plants, South Broward Utility Company **Waitz and Frye Consulting Engineers** Under piping and encasement, yard piping, onsite lift station and discharge main.	
Wastewater Treatment Plant, Port La Belle, FL Installed transfer pumps and yard piping. Installed Hoffman blowers and air piping to diffuser manifold of main multi-tank.	
Wastewater Treatment Expansion, Collier City, FL **PRC Engineering, Inc. (813) 774-4999** Installed and aligned race-track aerator. Basin mixer shaft units and yard piping at splitter box. Installed vacuum units piping basin tile blocks of Dehydro process (sludge dewatering) Infilco basin.	
Wastewater Treatment Plant Softener Expansion, Pembroke Pines, FL After Tampa tank erected two accelerator mixing tanks on Widell foundations, we complete sludge blow-off piping and valves and yard piping.	
Sewage Re-pump Station, City of Ft. Lauderdale, FL **Williams, Hatfield and Stoner, Inc.** Assembly of by-pass pumps and piping. Gutting station. Installed new pumps, motor, bases and new flanged suction and discharge piping.	
Water Treatment Plant, City of South Bay, FL **Barker, OSHA and Anderson - 860 U.S. Highway 1, West Palm Beach, FL (561) 683-3301** Assembly of two ozone generators and associated piping. Yard piping between structures, filter gallery flanged piping. Chlorine equipment and piping.	
Wastewater Treatment Plant Expansion, Clewiston, FL **U.S. Sugar Corp, Clewiston, FL** **Gee and Jensen Inc. 1 Harvard Circle, West Palm Beach, FL (561) 683-3301** Replacement of bridges, gearboxes and mixers in both accelator units. Yard piping from new ground storage tanks to high service pumps. Wellpoint system installation. Equipment operating of hydraulic crane, trac-hoe and loader.	
Ground Storage and Re-pump Station, City of South Bay, FL **Barker, OSHA and Anderson - 860 U.S. Highway 1, West Palm Beach, FL (561) 683-3301** 1,600 sq. ft. concrete pump house with two split-case hi-service electric pumps and diesel stand-by. 1,500 gallon hydro tank and foundation Crom ground storage tank. Yard piping and chlorine equipment.	
Wastewater Treatment Plant Expansion, City of South Bay, FL **Barker, OSHA and Anderson - 860 U.S. Highway 1, West Palm Beach, FL (561) 683-3301** Assembly of both clarifier mechanisms and complete tertiary filter unit. Assembly of R.B.C. disk units and covers. Equipment operator.	
Water Treatment Plant – Filter Modification **U.S. Sugar Corp, Clewiston, FL** **Gee and Jensen Inc. 1 Harvard Circle, West Palm Beach, FL (561) 683-3301** Filter media removal and replacement. Surface sweeping threaded piping modification.	

Wastewater Pump Station, City of Palm Beach, FL
Hutcheon Engineers 4431 Embarcadero Dr., West Palm Beach, FL (561) 845-0666
Form setter, rebar placement, concrete placement and finishing. Assembly of flanged and mechanical joint piping. Installed Flytt pumps and bases. Installed chlorine equipment. Assembled ozone filtering units and piping. Combination excavator and Bantam truck-crane operator.

Grumman Eco-Systems **Responsibility – Millwright and 20 Ton Hydraulic Crane Operator** **Job Detail**	**1976 – 1978**
Assembly of 24 motor / gearbox / propeller mixing units of three aeration basins. Assembly and leveling of three 170' clarifier mechanisms. Assembly of pumps and piping for two sludge return stations. Installation, leveling and alignment of four diesel turbine generators and discharge silencers.	
Mac Pherson's Marine Services, Inc. **Responsibility – Marine Mechanic** **Job Detail**	**1969 – 1976**
Factory trained and authorized mechanic for outboard, sterndrive and inboard gas/diesel propulsion. Shop and dockside repairs, installation and maintenance. Skilled in powerboat and sail seamanship. Past member (Flag Lieutenant) U.S. Power Squadron, Delray Beach, FL.	

On-Going & Completed Project Experience & Reference List

Updated **4/1/2026 16:13**

Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Cmplt	Orig. Days	Final Days	Orig. $	Current / Final $	Projected/ Actual SC
City of Ft. Lauderdale FiveAsh Water Treatment Plant Filter Rehabilitation - Phase 2	City of Ft. Lauderdale	4321 NW 9th Ave, Ft. Lauderdale, FL	Scott A. Teschky	steschky@fortlauderdale.gov	954-828-6195	Replacement of existing Media and Underdrain Inspection for Filters 1-4, 6,9,14,15, 17-22.		100%	870	540	3,301,397	3,301,397	12/30/2023
Broward County 2A Effluent Pipe Replacement	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Remove & Replace (2) existing 48" Effluent Pipes from 2A Units 1 & 2		100%	360	360	406,900	406,900	4/30/2024
Town of Lantan WTP Resin Replacement & Improvements	Town of Lantana	510 W Pine Street, Lantana, FL 33462	Jerry Darr	jdarr@lantana.org	Office: 561-540-5758	Construction of Improvements WTP rehabilitation of (3) AIX Vessels & (2) IXS System. Updates to the PLC & AIX/IXS Controls Software. Filter Valve Replacement		80%	590	590	2,404,000	2,404,000	2/9/2025
City of Sunrise - Sawgrass WTP Train A RAD - WAS Pump Replacement	City of Sunrise	10770 W Oakland Park Blvd, Sunrise, FL 33351	Guarionex De Los Santos	gdelossantos@sunrisefl.gov	Office: 954-888-6077 CellL 954-789-8709	Construction of Train A RAS & WAS Pump Replacement		50%	365	365	1,655,600	1,655,600	3/30/2025
Miami Dade Alexander Orr WTP Bulk Sodium Hypochlorite Feed & Storage Facility	Miami Dade County	3071 SW 38th Ave Miami, FL 33233	Alejandro Echeverry	alejandro.echeverry@miamidade.gov	Office: 786-552-8444 Cell: 786-893-5425	Construction new Sodium Hypo Storage & Feed System. Replace existing Chlorine Gas & Pilot Sodium Hypo Storage & Feed System.		50%	575	575	4,362,930	4,362,930	4/30/2025
City of Homestead Racetrack Water Tower Booster Pump Station	City of Homestead	100 Civic Court Homestead, FL 33030	Hamley Pacheco, P.E.	hpacheco@cityofhomestead.com	305-224-4484	Construction of Booster Pump Station		80%	195	195	899,900	899,900	7/30/2024
Broward County WTP 2A Lime Slaker Replacement	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@browrd.org	954-831-0983	Replace of one (1) existing Lime Slaker System from 2A WTP.		100%			404,600	404,600	11/30/2022
Broward County Replace Chemical Storage Tanks	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	2A WTP - FRP Sodium Hypochlorite 14,380 Gallon Bulk Storage Tank - Remove, replace and dispose. North Regional WTP - HDPE 6,550 Gallon Bulk Storage Tank - Remove, Replace and dispose. 3C WTP - Remove and properly dispose of the existing Ammonia Gas Equipment and Install new Liquid Ammonium Sulfate(LAS) equipment in the existing Ammonia Gas Room. 2A WTP - FRP Storage Tanks - Repair Four (4) Tanks and perform structural concrete and coating repairs to an existing Containment Sump Pit. MPS - 458 & MPS 460 - 500Gallon Double Wall UL - 142 Storage Tanks - Install Two (2) Storage Tanks.		100%			456,051	456,051	1/19/2023
Plantation East WTP Chemical Storage	City of Plantation	400 NW 73rd Ave Plantation, FL 33317	Brett Miller	bmiller@plantation.org	Office: 954-326-7634	Construction of five (5) chemical storage and feed facilities within the membrane building at the East WTP. Double containment piping (9) FRP & steel chemical storage tanks & (6) Clew TriNova metering pump skids.		100%	525	525	3,476,000	3,476,000	12/30/2023
Town of Lantan WTP High Service Pump Improvements	Town of Lantana	510 W Pine Street, Lantana, FL 33462	Jerry Darr	jdarr@lantana.org	Office: 561-540-5758	Build new Electrical & VFD Building and Remove and Replace (3) Existing High Service Pumps.		100%	365	365	1,448,000	1,448,000	8/30/2022
Broward County - Ravenswood S/S Pipe Replacement	Broward County	5440 Ravenswood Road, Dania Beach, FL 33312	Ahmad Ali	ahali@broward.org	Office: 954-357-6373 Cell: 954-850-8510	S/S Pipe Replacement and Rerouting		100%	90	90	519,500	519,500	8/29/2023
Pembroke Pines "WTP Lime Feed System Refurbishment, SCC Valve Insertion & Mag-Flow Meter Insertion" (IFB # PSUT-20-13)	City of Pembroke Pines	601 City Center Way Pembroke Pines, FL 33025	George Wrves	gwrves@ppines.com	Office: 954-518-9040 Direct: 954-518-9045 Cell: 904-237-3533	Rehab. the existing Lime Feed System including (2) Lime Slakers, (2) Slurry Tanks & (4) Slurry Pumps; Install 30" Valves in the existing 30" Softener (SCC) Eff Lines w/ (1) 30" Line Stop; Add Access Ports & Cleanouts to the 30" SCC Effluent Line; and Insertion Electromagnetic Flowmeter in the 30" treated water line.		100%	365	365	3,078,188	3,078,188	6/30/2022

On-Going & Completed Project Experience & Reference List

Updated **4/1/2026 16:13**

Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Cmplt	Orig. Days	Final Days	Orig. $	Current / Final $	Projected/ Actual SC
Hialeah WTP Lime Slaker Replacement & Chemical Bldg Rehabilitation	Miami-Dade County	3071 SW 38th Ave Miami, FL 33146	Luis E. Rojas	Luis.Rojas@miamidade.gov	Tel: 786-552-4374 Cell: 786-402-1292	Remove & Replace (2) 4,000 lb/Day Lime Slaker Units, (4) New Lime Slurry Pumps, Slurry Tanks & Mixers, All New Electrical & Controls. Concrete Repairs, Structural Rehab & New Coating Systems.		100%	270	600	4,932,211	4,932,211	5/20/2023
Broward County 1A & 2A Lime Slaker Replacememt	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	Oasgar@broward.org	954-831-0983	Replaced existing Integrity paste-Type lime Slaker Electrical & Controls (1) at WTP 1A & (1) at WTP 2A					573,900	618,900	5/11/2022
Pembroke Pines Water Treatment Facility Improvements (PSUT-19-03)	City of Pembroke Pines	601 City Center Way Pembroke Pines, FL 33025	George Wrves	gwrves@ppines.com	Office: 954-518-9040 Direct: 954-518-9045 Cell: 904-237-3533	Install New Air Scour System on (16) Greenleaf Filter Cell, Including New Blower & Air Distribution Header throughout the WTP, Electrical & I&C. All New WTP SCADA System.		100%	270	400	2,879,686	2,879,686	8/30/2021
Broward County - 3B Facility Chlorination System	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Alicia Dunne	Dunne, Alicia <ADUNNE@broward.org>	954.831.0793	Installation of New Sod-Hypo Chlorite & LAS Chemical Systems & New Tank Mixing System		100%	330	330	879,400	879,400	3/4/2021
Broward County - Retail Master PS 221 Rehabilitation	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Ulrich Cordon; William P. (Pat) Mitchell	UCORDON@broward.org WMITCHELL@broward.org	Ulrich: 954-831-0998 Pat: 954-831-0958 Pat: Cell 954-553-5565	Rehab. of Existing PS 221, Including: Gen-Set, Fuel Tank, Well-Wet Concrete Rehab., New Electrical & Controls, Rehab Architectural		100%	480	480	2,380,605	2,550,074	11/24/2021
Broward County - Reuse Expansion	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar Danny Salinas	dannys@pkflorida.com Oasgar@broward.org	Danny 305-484-0522 Oscar 954-831-0983	Furnish & Install (2) 2,500 kW Gen-Sets, (64) Dyna-Sand Reuse Filters, (2) Auto-Backwash Strainers, (5) FRP Tanks, (12) Re-Use & Filter Pumps		100%	720	720	10,667,830	10,667,830	9/30/2021
Broward County Lime Slaker System Replacement WTP 1A	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Replaced (1) Existing Integrity Paste-Type Lime Slaker, Electrical & Controls at WTP 1A.		100%	210	210	294,900	294,900	12/30/2020
Collier County - Emergency Chlorine Scrubber Replacement	Collier County	3339 Tamiami Trl E, Suite 303	Alicia Abbott	Alicia.Abbott@colliercountyfl.gov	239-877-3961	Removal & Replacement of Existing Chlorine Gas Scrubber System		100%	240	240	328,000	328,000	5/26/2020
Broward County - Distric 2A 5MG Ground Stoarge Tank	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar Danny Salinas	dannys@pkflorida.com Oasgar@broward.org	Danny 305-484-0522 Oscar 954-831-0983	Installation of 5MG Crom Tank, Including 42" & 54" UG Piping & Valves, Site Work & (2) 42" x 100' Mixing Tank Systems Inside Tank.		100%	540	540	3,632,000	3,632,000	10/31/2020
Lime Slaker #3 Replacement	City of Pembroke Pines	8300 S Palm Drive	Paul Thompson	Thompson, Paul <pthompson@ppines.com>	954-518-9097	Replaced (1) Existing Integrity Paste-Type Lime Slaker		100%	270	270	209,728	209,728	11/30/2019
Broward County WTP 1A & 2A Treatment Unit Rehabilitations	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Rehabilitation of Existing Lime Treatment Unit #2 at WTP 1A; Lime Treatment Unit #2 at WTP 2A and Lime Treatment Unit #1 at WTP 2A.		100%	270	270	1,833,010	1,900,010	12/30/2019
Broward County WTP 1A Treatment Unit #2 Rehabilitation	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Rehabilitation of Existing Lime Treatment Unit #2 at WTP 1A.		100%	90	90	704,010	704,010	7/19/2019
Broward County WTP 2A Treatment Unit #1 & #2 Rehabilitation	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Rehabilitation of Existing Lime Treatment Unit #2 at WTP 2A. Rehabilitation of Existing Lime Treatment Unit #1 at WTP 2A.		100%	270	270	1,129,000	1,196,000	12/30/2019
Peele-Dixie Check Valve R&R	City of Fort Lauderdale	Peele-Dixie WTP	DJ Tanner, Don Hering	DJ Tanner' <dj@fc-spec.com>	DJ - 603-548-5376, Don - 954-483-9497	Remove & Replace (1) 16" Check Valve		100%	10	14	35,000	35,000	2/14/2019
Greenleaf Filter Valve Replacement	Town of Davie	3500 NW 76th Ave, Hollywood FL 33024	Stanley Ebanks	stanley_ebanks@davie-fl.gov; DJ Tanner' <dj@fc-spec.com>	Stanley - 954-822-3991 Don 717-461-0779;	Remove & Replace (4) 10" & (4) 18" BFV's w/ Air Operator in an existing "Green Leaf" Package Filter		100%	30	30	118,000	118,000	2/26/2019
SDWWTP - CCC Gate Replacement	Miami-Dade County	8950 SW 232 Street	Don Miller, Daniel Lizarazo	don.miller@miamidade.gov, Daniel.Lizarazo@miamidade.gov	Daniel 305-205-0902 Don 717-461-0779;	Remove & Replace (11) 60" Rodney Hunt Cast Iron Sluice Gates		100%	262	320	946,917	946,917	11/30/2018
SDWWTP - Effluent Wet Well #1 & #2	Miami-Dade County	8950 SW 232 Street	Don Miller, Daniel Lizarazo	don.miller@miamidade.gov, Daniel.Lizarazo@miamidade.gov	Daniel 305-205-0902	Replaced All Mech Piping & (2) 48" BFV Seals		100%	120	120	412,000	412,000	5/30/2018
GT Lohmeyer WWTP Effluent Pump #1, #4 & #5 Rehab. & Check Valve Replacement	City of Fort Lauderdale	1765 SE 18th St	Justin P. Murray	JMurray@FortLauderdale.gov	954-828-4122	Removal & Replace (2) 1250 HP & (1) 1750 HP Effluent Pump Rotating Mechanisms & 36" Check Valves		100%	240	240	570,000	620,703	9/7/2018

On-Going & Completed Project Experience & Reference List

Updated **4/1/2026 16:13**

Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Cmplt	Orig. Days	Final Days	Orig. $	Current / Final $	Projected / Actual SC
Sodium Hypo & CO2 Injection System	City of Pembroke Pines	8300 S Palm Drive	David Stambaugh CGA, George Wrves City of Pembroke Pines	dstamaugh@cgasolutions.com, Wrves, George <gwrves@ppines.com>	David S 561-681-5271, George Wrves (954) 518-9045 Office, (904) 237-3533 Cell	Installation of New CO2 System & New Sodium Hypochlorite Feed System		100%	270	330	1,828,640	1,828,640	1/30/2019
Broward County Air Stations #1 & #25	Broward County	115 S Andrews Ave	Juan Cacasus	jcatasus@broward.org	954-3576177	Sitework, Concrete & Install (2) Pre-Fabricated Air Monitoring Stations		100%	120	------	514,900	514,900	6/30/2019
Greenleaf Filter Replacement	City of Tamarac	10101 State St	Anthony Licata	Anthony Licata <Anthony.Licata@tamarac.org>	954-597-3777	Filter Media, Metal Repair Work & Recoating of Existing Steel Tank Interior		100%	120	210	529,000	662,000	1/30/2018
Hydrotreator #3 & #4 Rehab.	City of Fort Lauderdale	100 N. Andrews Ave	Omar Castellon	ocastellon@fortlauderdale.gov	954-828-5064	Replace Existing 30" Influent Piping Mag-Flow Meters, Piping & Butter-Fly Valves.		100%	270	390	399,000	544,401	2/15/2018
20" & 16" Bermad Valve Rehabilitation & Replacement	City of Port St. Lucie	10700 Glades Cut-Off	Robert Whritenhour	robert.whritenour@fc-spec.com	(407) 579-5000	Rehab (6) & Replace (1) 16" & 20" Bermand Control Valve & WWTP		100%	60	60	75,000	75,000	2/7/2017
Replacement of 90" BFV North District WWTP	Miami-Dade Water & Sewer Department	2575 NE 156 St, North Miami 33160	Robert Whritenhour	robert.whritenour@fc-spec.com	(407) 579-5000	Replaced Existing 90" BFV on Main Ocean Outfall - Install Labor & Equipment - Owner Furnished Materials		100%	360	360	100,000	100,000	7/30/2016
Relocation of 48" Plug Valve	Miami-Dade Water & Sewer Department	3800 NW 180th Street, Opa Locka 33055	Robert Whritenhour	robert.whritenour@fc-spec.com	(407) 579-5000	Service Contract for OEM		100%	120	120	60,000	60,000	5/30/2016
WTP#2 Filter Replacement	Palm Beach County	Pineherst Drive, Lake Worth	Vince Riccobono		(561) 493-6143	New 18 MGD Sand & Anthrecite Filters	X	100%	720	900	13,900,000	14,500,000	
South District WWTP Cogeneration Improvements - Design-Build	Miami-Dade Water & Sewer Department	SDWWTP - Miami FL	Humberto Codespodi		(305) 274-9272	See Attached Detail CV - Thad Buckley	X	100%	720	720	19,500,000	21,500,000	
South District WWTP HLD Upgrade to 285-mgd Filter System	Miami-Dade Water & Sewer Department	SDWWTP - Miami FL	TJ Potok		(305) 274-9272	See Attached Detail CV - Thad Buckley	X	100%	1800	1440	135,000,000	127,000,000	
South District WWTP Fat, Oil & Grease Septage Facility	Miami-Dade Water & Sewer Department	SDWWTP - Miami FL	TJ Potok		(305) 274-9272	See Attached Detail CV - Thad Buckley	X	100%	720	800	17,000,000	16,800,000	
Belle Glade Wastewater Treatment Plant Improvements	Palm Beach County	Belle Glade, FL	Jackie Michaels		(561) 493-6000	See Attached Detail CV - Thad Buckley	X	100%	540	600	1,650,000	1,699,000	
Hollywood Water Treatment Plant Electrical Power Generator System Expansion	City of Hollywood	Hollywood WTP - Hollywood Blvd - FL	Fenf (Jeff) Jiang	Fjiang@hollywoodfl.org	954-921-3930	See Attached Detail CV - Thad Buckley	X	100%	540	540	1,750,000	1,710,000	
Hollywood Water Treatment Plant Membrane Replacement	City of Hollywood	Hollywood WTP - Hollywood Blvd - FL	Fenf (Jeff) Jiang	Fjiang@hollywoodfl.org	954-921-3930	See Attached Detail CV - Thad Buckley	X	100%	360	300	1,700,000	1,752,000	
Wastewater Repump Stations A, B & E Rehabilitation	City of Fort Lauderdale	Various Locations	Walt Schwartz		(954) 426-6311	See Attached Detail CV - Thad Buckley	X	100%	720	720	11,000,000	11,256,000	
G.T. Lohmeyer WWTP Pumping System Improvements	City of Fort Lauderdale	Eisenhower Blvd	Walt Schwartz		(954) 426-6311	See Attached Detail CV - Thad Buckley	X	100%	720	800	8,300,000	8,670,000	
Waste Management CNG Fueling Facility, Waste Management	Waste Management	Pompanp Beach, FL				See Attached Detail CV - Thad Buckley	X	100%	270	270	1,820,000	1,820,000	
Peele-Dixie Membrane Plant, City of Fort Lauderdale, FL	City of Fort Lauderdale	State Road 7, Fort Lauderdale, FL	Janeen Wietgrefe	Jwietgrefe@hazenandsawyer.com	(954) 987-0066	See Attached Detail CV - Thad Buckley	X	100%	860	1080	26,500,000	27,300,00	
Southern Regional WWTP Oxygen System Upgrade	City of Hollywood	Hollywood WWTP - Taft Street - FL	Fenf (Jeff) Jiang	Fjiang@hollywoodfl.org	954-921-3930	See Attached Detail CV - Thad Buckley	X	100%	600	680	10,300,000	10,500,000	
Fiveash Water Treatment Plant Upgrades - Phase 1	City of Fort Lauderdale	Powerline Road, Fort Lauderdale FL	George Brown	Brown, George A. <gbrown@hazenandsawyer.com>	(954) 987-0066	See Attached Detail CV - Thad Buckley	X	100%	1080	1080	12,040,000	12,500,000	
Fiveash Water Treatment Plant Filter Rehabilitation	City of Fort Lauderdale	Powerline Road, Fort Lauderdale FL	George Brown	Brown, George A. <gbrown@hazenandsawyer.com>	(954) 987-0066	See Attached Detail CV - Thad Buckley	X	100%	270	360	1,800,000	2,400,000	
G.T. Lohmeyer WWTP Effluent Pump Station	City of Fort Lauderdale	Eisenhower Blvd	Walt Schwartz		(954) 426-6311	See Attached Detail CV - Thad Buckley	X	100%	270	360	1,800,000	2,400,000	
Glades Road WTP 40-mgd Membrane Softening Process Addition	City of Boca Raton	Glades Road WTP	Frank Brinson Chris Helfrich	Frank Brinson fbrinson@mccaffertybrinson.com Chelfrich@myboca.us	(954) 797-7100 (561) 338-7300	See Attached Detail CV - Thad Buckley	X	100%	1260	1440	48,200,000	49,600,000	
Glades Road Sodium Hypochlorite Generation System	City of Boca Raton	Glades Road WTP	Frank Brinson	Frank Brinson fbrinson@mccaffertybrinson.com	(954) 797-7100	See Attached Detail CV - Thad Buckley	X	100%	540	540	3,804,000	4,002,300	

X - As PM, VP or RM of P&K/MWHC See Attached Resume

On-Going & Completed Project Experience & Reference List

Updated **4/1/2026 16:13**

Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Cmplt	Orig. Days	Final Days	Orig. $	Current / Final $	Projected/ Actual SC
SEE ATTACHED FOR ADDITION RELATED PROJECTS													

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Mobilization (shall not exceed 3% of the sum of Bid Items No. 7 through No. 13).	1	Lump Sum	$ 130,000.00	$ 130,000.00
2	Maintenance of Traffic	1	Lump Sum	$ 5,000.00	$ 5,000.00
3	Prevention, Control and Abatement of Erosion and Water Pollution	1	Lump Sum	$ 5,000.00	$ 5,000.00
4	Record Drawings	1	Lump Sum	$ 10,000.00	$ 10,000.00
5	Demobilization (shall not exceed 3% of the sum of Bid Items No. 2 and No.	1	Lump Sum	$ 5,000.00	$ 5,000.00
6	Consideration for Indemnification	1	10	$ 10.00	$ 10.00
7	All work associated with the Demolition Phase including but not limited to, all general, civil, mechanical, electrical, structural, instrumentation, controls work elements, as detailed in the Contract Documents.	1	Lump Sum	$ 500,000.00	$ 500,000.00
8	All work required for the complete furnishing, delivery and installation of the Temporary Sodium Hypochlorite Facility. This item includes, but is not limited to, all general, civil (except separately listed items), mechanical, structural, architectural, electrical, instrumentation and control, equipment testing, startup services and construction sequencing	1	Lump Sum	$ 3,182,000.00	$ 3,182,000.00
9	Asphalt	1820	SY	$ 90.00	$ 163,800.00
10	Curbing	90	LF	$ 229.00	$ 20,610.00
11	Pavement Markings and Signage	1	Lump Sum	$ 18,000.00	$ 18,000.00
12	Sidewalk	20	SY	$ 485.00	$ 9,700.00
13	Miscellaneous Restoration	1	Lump Sum	$ 20,000.00	$ 20,000.00
14	Allowance for Inspections and Testing, for the price of:	1	Allowance	$ 55,000.00	$ 55,000.00
15	Allowance for Permits, Licenses and Fees for Government Agencies, for the price of:	1	Allowance	$ 250,000.00	$ 250,000.00
16	Allowance for Undefined Conditions, for the price of:	1	Allowance	$ 225,000.00	$ 225,000.00
	Total				$ 4,599,120.00

Form 15

LIST OF SUBCONTRACTORS

The Respondent shall list below the name and address of each Subcontractor who will perform work under this Contract, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Submittals, changes or substitutions will be allowed with written approval of the City of Hollywood. Subcontractors must be properly licensed.

	Work to be Performed	**Subcontractor's Name / Address**
1.	ELECTRICAL	LOVELAND
2.	PAINTING	Southland
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

NOTE: Attach additional sheets if required.

- END OF SECTION -

FORM 1

SUBMITTAL CHECKLIST FORM

The items below are required components of your solicitation response in order for your bid/proposal/submittal to be consider responsive and responsible. Please complete and submit this submittal checklist form as the cover page of your submittal with all of the items below in the order listed.

Please indicate Yes or No in the "Submitted (Yes/No)" column below to indicated which required components were provided with your submittal.

Submitted (Yes/No)	Required Bid Components
Yes	This Submittal Checklist Form completed and included as the cover page of your submittal.
Yes	A Table of Contents that clearly identifies each section and page number of your submittal.
Yes	Information and/or documentation that addresses and/or meets the requirements outlined in Section III – Scope of Work/Services, including any procedural or technical enhancements/innovations which do not materially deviate from the objectives or required content of the Scope of Work/Services.
Yes	Forms (Completed) Form 1 Submittal Checklist Form* Form 2 Acknowledgement and Signature Page Form 3 Bid Form* Form 4 Vendor Reference Form* Form 5 Hold Harmless and Indemnity Clause Form 6 Non-Collusion Affidavit Form 7 Sworn Statement...Public Entity Crimes Form 8 Certifications Regarding Debarment... Form 9 Drug-Free Workplace Program Form 10 Solicitation, Giving, and Acceptance... Form 11 W-9 (Request for Taxpayer Identification) Form 12 Trench Safety Form Form 13 Bid Guaranty Form Form 14 List of Subcontractors Form 15 Information Required from Bidders Form 16 Proposal
Yes	Certificate(s) of insurance that meet the requirements of Section 2.25
Yes	Proof of State of Florida Sunbiz Registration

This checklist is only a guide, please read the entire solicitation to ensure that your submission includes all required information and documentation.

RF Environmental Services, Inc.
4426 NE 8th Ave
Oakland Park, FL 33334
(954) 605-6711

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04-02-26 Hollywood SRWWTP Temporary Sodium Hypochlorite

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Page 26-29: Form 15 Information required from Bidders- General Information
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Page 36: Proof of State of Florida Sunbiz Registration
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FORM 2

ACKNOWLEDGMENT AND SIGNATURE PAGE

This form must be completed and submitted by the date and the time of bid opening.

Legal Company Name (include d/b/a if applicable): RF Environmental Services, Inc.

If Corporation - Date Incorporated/Organized: 1/28/16 Federal Tax Identification Number: 81-1455710

State Incorporated/Organized: Florida

Company Operating Address: 4426 NE 8 Ave

City: Oakland Park State: FL Zip Code: 33334

Remittance Address (if different from ordering address):

City: _____ State: _____ Zip Code: _____

Company Contact Person: Thaddeus Buckley Email Address: Thad@RFESWater.com

Phone Number (include area code): 954-605-6711 Fax Number (include area code): _____

Company's Internet Web Address: www.rfeswater.com

IT IS HEREBY CERTIFIED AND AFFIRMED THAT THE BIDDER/PROPOSER CERTIFIES ACCEPTANCE OF THE TERMS, CONDITIONS, SPECIFICATIONS, ATTACHMENTS AND ANY ADDENDA. THE BIDDER/PROPOSER SHALL ACCEPT ANY AWARDS MADE AS A RESULT OF THIS SOLICITATION. BIDDER/PROPOSER FURTHER AGREES THAT PRICES QUOTED WILL REMAIN FIXED FOR THE PERIOD OF TIME STATED IN THE SOLICITATION.

Bidder/Proposer's Authorized Representative's Signature: _____ Date: 4-2-26

Type or Print Name: Thaddeus Buckley - President

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF BIDDER/PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE BID/PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY BID/PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE BIDDER/PROPOSER TO THE TERMS OF ITS OFFER.

SEE ATTACHED EXCEL SHEET

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
1	Mobilization (shall not exceed 3% of the sum of Bid Items No. 7 through No. 13).	1	Lump Sum		
2	Maintenance of Traffic	1	Lump Sum		
3	Prevention, Control and Abatement of Erosion and Water Pollution	1	Lump Sum		
4	Record Drawings	1	Lump Sum		
5	Demobilization (shall not exceed 3% of the sum of Bid Items No. 2 and No.	1	Lump Sum		
6	Consideration for Indemnification	1	10	$ 10.00	$ 10.00
7	All work associated with the Demolition Phase including but not limited to, all general, civil, mechanical, electrical, structural, instrumentation, controls work elements, as detailed in the Contract Documents.	1	Lump Sum		
8	All work required for the complete furnishing, delivery and installation of the Temporary Sodium Hypochlorite Facility. This item includes, but is not limited to, all general, civil (except separately listed items), mechanical, structural, architectural, electrical, instrumentation and control, equipment testing, startup services and construction sequencing required for a complete and operable	1	Lump Sum		
9	Asphalt	1820	SY		
10	Curbing	90	LF		
11	Pavement Markings and Signage	1	Lump Sum		
12	Sidewalk	20	SY		
13	Miscellaneous Restoration	1	Lump Sum		
14	Allowance for Inspections and Testing, for the price of:	1	Allowance	$ 55,000.00	$ 55,000.00
15	Allowance for Permits, Licenses and Fees for Government Agencies, for the price of:	1	Allowance	$ 250,000.00	$ 250,000.00
16	Allowance for Undefined Conditions, for the price of:	1	Allowance	$ 225,000.00	$ 225,000.00
	Total				$ 530,010.00

FORM 4
VENDOR REFERENCE FORM

City of Hollywood Solicitation #: IFB-211-24-JJ

Reference for: RF Environmental Services, Inc

Organization/Firm Name providing reference: Miami-Dade County

Organization/Firm Contact Name: Luis E. Rojas **Title:** Water & Sewer Project Supervisor

Email: Luis.Rojas@miamidade.gov **Phone:** 786-402-1292

Name of Referenced Project: Hialeah WTP Lime Slaker Replacement &Chemical Bldg Rehab **Contract No:** RPQ No. P0225

Date Services were provided: 12/30/2019 **Project Amount:** $4,932,211

Referenced Vendor's role in Project: ☑ Prime Vendor ☐ Subcontractor/ Subconsultant

Would you use the Vendor again? ☑ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Structural rehabilitation of the Chemical Building, removal and replacement of two paste-type lime slakerequipment, replacement or modification of all related electrical equipmentand instrumentation, two mix/slurry holding tanks, four slarry pumps, concrete slab.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	☐	☐	☑	☐
b. Accuracy	☐	☐	☑	☐
c. Deliverables	☐	☐	☑	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☑	☐
b. Professionalism	☐	☐	☑	☐
c. Staff turnover	☐	☐	☑	☐
Timeliness/Cost Control of:				
a. Project	☐	☐	☑	☐
b. Deliverables	☐	☐	☑	☐

Additional Comments (provide additional sheet if necessary):
Very honest and responsable Contractor.

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

FORM 4
VENDOR REFERENCE FORM

City of Hollywood Solicitation #: IFB-211-24-JJ
Reference for: RF Environmental Services, Inc

Organization/Firm Name providing reference: Broward County
Organization/Firm Contact Name: Oscar Asgar **Title:** Construction Project Mgr.
Email: oasgar@broward.org **Phone:** 954-831-0983
Name of Referenced Project: Broward County WTP 1A & 2A Treatment Unit Rehab **Contract No:**
Date Services were provided: 5/20/2023 **Project Amount:** $1,900,010
Referenced Vendor's role in Project: ☐ Prime Vendor ☐ Subcontractor/ Subconsultant
Would you use the Vendor again? ☐ Yes ☐ No. Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Replacement of Chemical storage Tanks, Installation of new Lime Slaker Systems, demolition and replacement of 30" DI treatment unit influent pipings, treatment unit launder replacement and other miscellanea plant processes.

Please rate your experience with the Vendor	Need Improvement	Satisfactory	Excellent	Not Applicable
Vendor's Quality of Service				
a. Responsive	☐	☐	☒	☐
b. Accuracy	☐	☐	☒	☐
c. Deliverables	☐	☐	☒	☐
Vendor's Organization:				
a. Staff expertise	☐	☐	☒	☐
b. Professionalism	☐	☐	☒	☐
c. Staff turnover	☐	☐	☐	☒
Timeliness/Cost Control of:				
a. Project	☐	☐	☒	☐
b. Deliverables	☐	☐	☒	☐

Additional Comments (provide additional sheet if necessary):
Contractor provides excellent workmanship

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☒	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**	Oscar Asgar			**Title:**	Construction Project Manager
	Department:	WWS/ WWOD			**Date:**	7/08/2024

FORM 4

VENDOR REFERENCE FORM

City of Hollywood Solicitation #:	IFB-373-26-JJ SRWWTP Temporary Sodium Hypochlorite System
Reference for:	RF Environmental Services Inc

Organization/Firm Name providing reference:	City of Plantation		
Organization/Firm Contact Name:	Brett Miller	**Title:**	Plant Admin
Email:	bmiller@plantation.org	**Phone:**	954-326-7634
Name of Referenced Project:	Plantation Regional WWTP	**Contract No:**	
Date Services were provided:	2025	**Project Amount:**	$3,476,000
Referenced Vendor's role in Project:	☐ **Prime Vendor**	☐	**Subcontractor/ Subconsultant**
Would you use the Vendor again?	☐ **Yes**	☐	**No.** Please specify in additional comments

Description of services provided by Vendor (provide additional sheet if necessary):
Construction of five (5) chemical storage and feed facilities within the membrane building at the East WTP. Double containment piping (9) FRP & steel chemical storage tanks & (6) Clew TriNova metering pump skids.

Please rate your experience with the Vendor	**Need Improvement**	**Satisfactory**	**Excellent**	**Not Applicable**
Vendor's Quality of Service				
a. **Responsive**	☐	☐	☑	☐
b. **Accuracy**	☐	☐	☑	☐
c. **Deliverables**	☐	☐	☑	☐
Vendor's Organization:				
a. **Staff expertise**	☐	☐	☑	☐
b. **Professionalism**	☐	☐	☑	☐
c. **Staff turnover**	☐	☐	☑	☐
Timeliness/Cost Control of:				
a. **Project**	☐	☐	☑	☐
b. **Deliverables**	☐	☐	☑	☐

Additional Comments (provide additional sheet if necessary):

****THIS SECTION FOR CITY USE ONLY****						
Verified via:	**Email:**	☐	**Verbal:**	☐	**Mail:**	☐
Verified by:	**Name:**				**Title:**	
	Department:				**Date:**	

Diane Salafia

From: Diane Salafia
Sent: Thursday, April 2, 2026 9:47 AM
To: Diane Salafia
Subject: RFES Reference Form Plantation (for Hollywood)
Attachments: vendor ref.pdf

RFES Reference Form Plantation (for Hollywood)

Diane Salafia 954-530-6190
RF Environmental Services, Inc. (RFES)
New Billing / Office Address for RFES:
4426 NE 8th Avenue
Oakland Park, FL 33334

CGC1518671, CMC1250334, CFC1429319, PCC1256939
General Contractor, Mechanical, Plumbing, Pollution Storage

From: Miller, Brett <BMiller@plantation.org>
Sent: Thursday, April 2, 2026 9:43 AM
To: Diane Salafia <diane@rfeswater.com>
Subject: RFES Reference Form Plantation (for Hollywood)

See attached .

Brett Miller
City of Plantation
Water /Waste Water Plant Maintenance Superintendent
954-326-7634

The City of Plantation is a public entity subject to Chapter 119 of the Florida Statutes concerning public records. Under Florida law, most e-mail messages to or from City of Plantation employees or officials are public records, available to any person upon request, absent an exemption. All e-mail messages sent or received are captured by our server and retained as public records. Under Florida law, e-mail addresses are public records. If you do not want your e-mail address released in response to a public records request, do not send electronic mail to the City of Plantation.

FORM 5

HOLD HARMLESS AND INDEMNITY CLAUSE

RF Environmental Services, Inc.

(Company Name and Authorized Signature, Print Name)

, the contractor, shall indemnify, defend and hold harmless the City of Hollywood, its elected and appointed officials, employees and agents for any and all suits, actions, legal or administrative proceedings, claims, damage, liabilities, interest, attorney's fees, costs of any kind whether arising prior to the start of activities or following the completion or acceptance and in any manner directly or indirectly caused, occasioned or contributed to in whole or in part by reason of any act, error or omission, fault or negligence whether active or passive by the contractor, or anyone acting under its direction, control, or on its behalf in connection with or incident to its performance of the contract.



Signature

Thaddeus Buckley

Printed Name

RF Environmental Services, Inc.

Name of Company

President

Title

FORM 6

NON-COLLUSION AFFIDAVIT

STATE OF: Florida

COUNTY OF: Broward, being first duly sworn, deposes and says that:

(1) He/she is President of RF Environmental Services, Inc. the Proposer that has submitted the attached Proposal.

(2) He/she has been fully informed regarding the preparation and contents of the attached Proposal and of all pertinent circumstances regarding such Proposal;

(3) Such Proposal is genuine and is not a collusion or sham Proposal;

(4) Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Proposer, firm or person to submit a collusive or sham Proposal in connection with the contractor for which the attached Proposal has been submitted or to refrain from bidding in connection with such contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm or person to fix the price or prices, profit or cost element of the Proposal price or the Proposal price of any other Proposer, or to secure an advantage against the City of Hollywood or any person interested in the proposed Contract; and

(5) The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Signature

Thaddeus Buckley

Printed Name

RF Environmental Services, Inc.

Name of Company

President

Title

FORM 7

SWORN STATEMENT PURSUANT TO SECTION 287.133 (3) (a) FLORIDA STATUTES ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS

1. This form statement is submitted to the City of Hollywood by Thaddeus Buckley - President for RF Environmental Services, Inc.
(Print individual's name and title) (Print name of entity submitting sworn statement)
whose business address is 4426 NE 8 Ave, Oakland Park, FL 33334
and if applicable its Federal Employer Identification Number (FEIN) is 81-1455710. If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement.

2. I understand that "public entity crime," as defined in paragraph 287.133(1)(g), Florida Statues, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misinterpretation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in an federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that "Affiliate," as defined in paragraph 287.133(1)(a), Florida Statutes, means:

    1. A predecessor or successor of a person convicted of a public entity crime, or
    2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

5 I understand that "person," as defined in Paragraph 287.133(1)(e), Florida Statues, means any natural person or any entity organized under the laws of any state or of the

United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

__X__ Neither the entity submitting sworn statement, nor any of its officers, director, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate 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.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime, but the Final Order entered by the Hearing Officer in a subsequent proceeding before a Hearing Officer of the State of the State of Florida,

Division of Administrative Hearings, determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (attach a copy of the Final Order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THAT PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017 FLORIDA STATUTES FOR A CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

(Signature)

Sworn to and subscribed before me this 2nd day of April, 2026.

Personally known X

Or produced identification N/A Notary Public-State of Florida

N/A my commission expires 5-25-2028

(Type of identification)

(Printed, typed or stamped commissioned name of notary public)

Notary Public State of Florida
Diane J Salafia
My Commission HH 512168
Expires 5/25/2028

FORM 8

CERTIFICATIONS REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

The applicant certifies that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction, violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.

Applicant Name and Address:

RF Environmental Services, Inc.

4426 NE 8 Ave

Oakland Park, FL 33334

Application Number and/or Project Name:

REG-373-26-JJ SRWWTP Temporary Sodium Hypochlorite System

Applicant IRS/Vendor Number: 81-1455710

Signature

Thaddeus Buckley

Printed Name

RF Environmental Services, Inc.

Name of Company

President

Title

FORM 9

DRUG-FREE WORKPLACE PROGRAM

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

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

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

Signature

Thaddeus Buckley

Printed Name

RF Environmental Services, Inc.

Name of Company

President

Title

FORM 10

SOLICITATION, GIVING, AND ACCEPTANCE OF GIFTS POLICY

Florida Statute 112.313 prohibits the solicitation or acceptance of Gifts. "No Public officer, employee of an agency, local government attorney, or candidate for nomination or election shall solicit or accept anything of value to the recipient, including a gift, loan, reward, promise of future employment, favor, or service, based upon any understanding that the vote, official action, or judgment of the public officer, employee, local government attorney, or candidate would be influenced thereby." The term "public officer" includes "any person elected or appointed to hold office in any agency, including any person serving on an advisory body."

The City of Hollywood/Hollywood CRA policy prohibits all public officers, elected or appointed, all employees, and their families from accepting any gifts of any value, either directly or indirectly, from any contractor, vendor, consultant, or business with whom the City/CRA does business.

The State of Florida definition of "gifts" includes the following:

Real property or its use,
Tangible or intangible personal property, or its use,
A preferential rate or terms on a debt, loan, goods, or services,
Forgiveness of indebtedness,
Transportation, lodging, or parking,
Food or beverage,
Membership dues,
Entrance fees, admission fees, or tickets to events, performances, or facilities,
Plants, flowers or floral arrangements
Services provided by persons pursuant to a professional license or certificate.
Other personal services for which a fee is normally charged by the person providing the services.
Any other similar service or thing having an attributable value not already provided for in this section.

Any contractor, vendor, consultant, or business found to have given a gift to a public officer or employee, or his/her family, will be subject to dismissal or revocation of contract.

As the person authorized to sign the statement, I certify that this firm will comply fully with this policy.

Signature

Thaddeus Buckley
Printed Name

RF Environmental Services, Inc.
Name of Company

President
Title

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

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

Give Form to the requester. Do not send to the IRS.

Print or type. See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
RF Environmental Services, Inc.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.

☐ Individual/sole proprietor or single-member LLC ☐ C Corporation ☒ S Corporation ☐ Partnership ☐ Trust/estate

☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
4426 NE 8 Ave

Requester's name and address (optional)

6 City, state, and ZIP code
Oakland Park, FL

7 List account number(s) here (optional)
33334

Part I Taxpayer Identification Number (TIN)

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

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

Social security number
			-			-				

or

Employer identification number
8	1	-	1	4	5	5	7	1	0

Part II Certification

Under penalties of perjury, I certify that:

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

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

Sign Here Signature of U.S. person ▶ _____ Date ▶ 4-2-26

General Instructions

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

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

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, *later.*

FORM 12

TRENCH SAFETY

This form must be completed and signed by the Respondent.

Failure to complete this form may result in the solicitation being declared non-responsive.

Respondent acknowledges that the Florida Trench Safety Act, Section 553.60 et. seq., which became effective October 1, 1990, shall be in effect during the period of construction of the project. The respondent by signing and submitting the solicitation is, in writing, assuring that it will perform any trench excavation in accordance with applicable trench safety standards. The respondent further identifies the following separate item of cost of compliance with the applicable trench safety standards as well as the method of compliance:

Method of Compliance	Cost

Total $ 100.00

Respondent acknowledges that this cost is included in the applicable items of their submittal and in the Grand Total Solicitation Price. Failure to complete the above will result in the solicitation being declared non- responsive.

The Respondent is, and the Owner and Engineer are not, responsible to review or assess Respondent's safety precautions, programs or costs, or the means, methods, techniques or technique adequacy, reasonableness of cost, sequences or procedures of any safety precaution, program or cost, including but not limited to, compliance with any and all requirements of Florida Statute Section 553.60 et. seq. cited as the "Trench Safety Act." Respondent is, and the owner and Engineer are not, responsible to determine if any safety related standards apply to the project, including but not limited to, the "Trench Safety Act."

Witness Signature

Diane Salafia
Witness Printed Name

4426 NE 8 Ave, Oakland Park, FL 33334
Witness Address

4-2-26
Date

Contractor's Signature

Thaddeus Buckley
Printed Name

President
Title

4-2-26
Date

- END OF SECTION -

Form 13

Bid Guaranty Form

(Construction)

STATE OF FLORIDA

KNOW ALL MEN BY THESE PRESENTS:
That we RF Environmental Services, Inc., as Principal, and Atlantic Specialty Insurance Company, as Surety, are held and firmly bound unto the City of Hollywood in the sum of _____ 5% of the bid amount Dollars ($_____) lawful money of the United States, amounting to 5% of the total SOLICITATION Price, for the payment of said sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal has submitted the accompanying SOLICITATION, dated April 2nd 2026 for

TEMPORARY SODIUM HYPOCHLORITE SYSTEM

CITY PROJECT NO. 24-9122

IFB-373-26-JJ

NOW, THEREFORE, if the principal shall not withdraw said SOLICITATION within 90 days after date of the same and shall within ten days after the prescribed forms are presented to him for signature, enter into a written contract with the CITY, in accordance with the SOLICITATION as accepted, and give bond with good and sufficient surety or sureties, and provide the necessary Insurance Certificates as may be required for the faithful performance and proper fulfillment of such Contract, then this obligation shall be null and void.

In the event of the withdrawal of said SOLICITATION within the specified period, or the failure to enter into such contract and give such bond and insurance within the specified time, the principal and the surety shall pay to the City of Hollywood the difference between the amount specified in said SOLICITATION and such larger amount for which the City of Hollywood may in good faith contract with another party to perform the work and/or supply the materials covered by said SOLICITATION.

IN WITNESS WHEREOF, the above bound parties have executed this statement under their several seals this 2nd day of April 2026, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

Witness

Address

Signature of Individual

Printed Name of Individual

Witness

Address

WHEN THE PRINCIPAL IS A CORPORATION:

Attest:

Katherine Buckley

Secretary

RF Environmental Services, Inc.
Name of Corporation

4840 NE 11th Avenue
Business Address

Fort Lauderdale, FL 33334

By: _____
(Affix Corporate Seal)

Thaddeus Buckley
Printed Name

President
Official Title

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, Katherine Buckley, certify that I am the secretary of the Corporation named as Principal in the attached bond; that Thaddeus Buckley who signed the said bond on behalf of the Principal, was then President of said Corporation; that I know his signature, and his signature thereto is genuine and that said bond was duly signed, sealed and attested for and on behalf of said Corporation by authority of its governing body.

Katherine Buckley (SEAL)

Secretary

Approved SOLICITATION Bond

TO BE EXECUTED BY CORPORATE SURETY:

Attest:

Jorge L. Bracamonte, Witness

Atlantic Specialty Insurance Company
Corporate Surety

605 Highway 169 North, Suite 800

Plymouth, MN 55441
Business Address

Jessie Sloan, Attorney-In-Fact &
Florida Licensed Resident Agent

JCA Surety Group, LLC
Name of Local Agency
123 Zelma Street, Suite A

Orlando, FL 32803
Business Address

Inquiries: (321) 800-6594

STATE OF FLORIDA

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared, Jessie Sloan to me well known, who being by me first duly sworn upon oath says that he is the attorney-in-fact for the Atlantic Specialty Insurance Company and that the has been authorized by Atlantic Specialty Insurance Company to execute the forgoing bond on behalf of the CONTRACTOR named therein in favor of the City of Hollywood, Florida. Subscribed and sworn to before me this 2nd day of April, 2026

Notary Public State of Florida
Kasandra Titus
My Commission HH 696912
Expires 7/11/2029

Notary Public, State of Florida
Kasandra Titus

My Commission Expires: 07/11/2029

- END OF SECTION-

Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **Hallie Martin, Jessie Sloan, Jorge L. Bracamonte, Thomas R Kirstein**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **unlimited** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this first day of January, 2023.

ATLANTIC SPECIALTY INSURANCE COMPANY CORPORATE SEAL 1986 NEW YORK

By _____
Sarah A. Kolar, Vice President and General Counsel

STATE OF MINNESOTA
HENNEPIN COUNTY

On this first day of January, 2023, before me personally came Sarah A. Kolar, Vice President and General Counsel of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and she acknowledged the execution of the same, and being by me duly sworn, that she is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.

ALISON D. NASH-TROUT
NOTARY PUBLIC - MINNESOTA
My Commission Expires
January 31, 2030

_____
Notary Public

I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 2nd day of April, 2026.

This Power of Attorney expires
January 31, 2030

_____
Kara L.B. Barrow, Secretary

Please direct bond verifications to surety@intactinsurance.com

Form 13

Bid Guaranty Form

(Construction)

STATE OF FLORIDA

KNOW ALL MEN BY THESE PRESENTS:
That we RF Environmental Services, Inc., as Principal, and Atlantic Specialty Insurance Company, as Surety, are held and firmly bound unto the City of Hollywood in the sum of _____ 5% of the bid amount Dollars ($_____) lawful money of the United States, amounting to 5% of the total SOLICITATION Price, for the payment of said sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal has submitted the accompanying SOLICITATION, dated April 2nd 2026 for

TEMPORARY SODIUM HYPOCHLORITE SYSTEM

CITY PROJECT NO. 24-9122

IFB-373-26-JJ

NOW, THEREFORE, if the principal shall not withdraw said SOLICITATION within 90 days after date of the same and shall within ten days after the prescribed forms are presented to him for signature, enter into a written contract with the CITY, in accordance with the SOLICITATION as accepted, and give bond with good and sufficient surety or sureties, and provide the necessary Insurance Certificates as may be required for the faithful performance and proper fulfillment of such Contract, then this obligation shall be null and void.

In the event of the withdrawal of said SOLICITATION within the specified period, or the failure to enter into such contract and give such bond and insurance within the specified time, the principal and the surety shall pay to the City of Hollywood the difference between the amount specified in said SOLICITATION and such larger amount for which the City of Hollywood may in good faith contract with another party to perform the work and/or supply the materials covered by said SOLICITATION.

IN WITNESS WHEREOF, the above bound parties have executed this statement under their several seals this 2nd day of April 2026, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

Witness

Address

Signature of Individual

Printed Name of Individual

Witness

Address

Form 14

LIST OF SUBCONTRACTORS

The Respondent shall list below the name and address of each Subcontractor who will perform work under this Contract, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Submittals, changes or substitutions will be allowed with written approval of the City of Hollywood. Subcontractors must be properly licensed.

	Work to be Performed	Subcontractor's Name / Address
1.	PLEASE SEE ATTACHED	
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

NOTE: Attach additional sheets if required.

- END OF SECTION -

FORM 15

INFORMATION REQUIRED FROM BIDDERS

GENERAL INFORMATION

The Bidder shall furnish the following information. Failure to comply with this requirement may cause its rejection. Additional sheets shall be attached as required.

1. **Contractor's Name/Address:** RF Environmental Services, Inc.
   4426 NE 8 Ave, Oakland Park, FL 33334
   Thaddeus Buckley

2. **Contractor's Telephone Number:** 954-605-6711
   and e-mail address: Thad@RFESWater.com

3. **Contractor's License (attach copy):** Please See Attached
   Primary Classification:
   Broward County License Number (attach copy):

4. **Number of years as a Contractor in construction work of the type involved in this Contract:** 10 years RF Environmental Services, Inc.
   28 years Thaddeus Buckley

5. **List the names and titles of <u>all</u> officers of Contractor's firm:**
   Thaddeus Buckley - President
   Katherine Buckley - Secretary

6. **Name of person who inspected site or proposed work for your firm:**
   Name: Thaddeus Buckley
   Date of Inspection: 1-20-26

7. **What is the last project of this nature you have completed?**
   SEE ATTACHED

8. **Have you ever failed to complete work awarded to you; if so, where and why?**

N/A

9. **Name three individuals or corporations for which you have performed work and to which you refer:**

Broward County - Oscar Asgar

McCafferty Brinson - Frank Brinson

Hazen & Sawyer - George Wrves

10. **List the following information concerning all contracts on hand as of the date of submission of this proposal (in case of co-venture, list the information for all co-ventures).**

Name of Project	City	Total Contract Value	Contracted Date of Completion	% Completion to Date
SEE ATTACHED				

(Continue list on inset sheet, if necessary)

11. **What equipment do you own that is available for the work?**

Diesel Generator, Concrete Saw, Concrete Chain Saw,

30 gal air compressor, forklift, Plate Compactor, Welding Machine

Pressure Washer, Precision Laser, Pump, Table Saw

30 gal Horizon Air Compressor, Industrial Welder

12. **What equipment will you purchase for the proposed work?**

N/A

13. **List at least three (3) similar projects completed within the last ten (10) years by the bidder. For purposes of this requirement, 'similar' projects shall be considered to include experience with dewatering facilities, grit removal facilities,**

concrete repair in WWTP headworks and gate replacement. Include owner's contact information (client's name, address, telephone number and email address), project value, completion date, reference contact information and brief project description. The determination of whether a project is sufficiently similar shall be at the sole discretion of the City and the Engineer.

SEE ATTACHED

(Add sheets as requested.)

14. Name the Project Manager proposed for this project. Attach a copy of the project manager's resume.

Thaddeus Buckley - resume attached

NOTE: If requested by CITY, the Bidder shall furnish a notarized financial statement, references, and other information, sufficiently comprehensive to permit an appraisal of its current financial condition.

Company Name RF Environmental Services, Inc.

Authorized Signature

Thaddeus Buckley

Print Name

President

Title

4-2-26

Date

Ron DeSantis, Governor

Melanie S. Griffin, Secretary

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

BUCKLEY, THADDEUS R

RF ENVIRONMENTAL SERVICES, INC.
4840 NE 11TH AVE
FORT LAUDERDALE FL 33334

LICENSE NUMBER: CGC1518671

EXPIRATION DATE: AUGUST 31, 2026

Always verify licenses online at MyFloridaLicense.com

ISSUED: 08/27/2024

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

FORM 16

PROPOSAL

TO THE MAYOR AND COMMISSIONERS
CITY OF HOLLYWOOD, FLORIDA

SUBMITTED 4-2-26

Dear Mayor and Commissioners:

The undersigned, as BIDDER, hereby declares that the only person or persons interested in the Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Bid or Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The BIDDER further declares that he has examined the site of the Work and informed himself fully in regard to all conditions pertaining to the place where the Work is to be done; that he has examined the Drawings and Specifications for the Work and contractual documents relative thereto, including the Notice to Bidders, Instructions to Bidders, Proposal Bid Form, Form of Bid Bond, Form of Contract and Form of Performance Bond, General, Supplementary and Technical Specifications, Addenda, Drawings, and Local Preference Program, Exhibit A, and has read all of the Provisions furnished prior to the opening of bids; and that he has satisfied himself relative to the work to be performed.

The undersigned BIDDER has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other BIDDER of parties to this bid whatever.

If this Proposal is accepted, the undersigned BIDDER proposes and agrees to enter into and execute the Contract with the City of Hollywood, Florida, in the form of Contract specified; of which this Proposal, Instructions to Bidders, General Specifications, Supplementary Conditions and Drawings shall be made a part for the performance of Work described therein; to furnish the necessary bond equal to one hundred (100) percent of the total Contract base bid, the said bond being in the form of a Cash Bond or Surety Bond prepared on the applicable approved bond form furnished by the CITY; to furnish all necessary materials, equipment, machinery, tools, apparatus, transportation, supervision, labor and all means necessary to construct and complete the work specified in the Proposal and Contract and called for in the Drawings and in the manner specified; to commence Work on the effective date established in the "Notice to Proceed" from the ENGINEER; and to substantially complete all Contract Work within 30 days with final completion within 45 days, and stated in the "Notice to Proceed" or pay liquidated damages for each calendar day in excess thereof, or such actual and consequential damages as may result therefrom, and to abide by the Local Preference Ordinance, Exhibit A.

The BIDDER acknowledges receipt of the following addenda:

No. 1 Dated 2-12-26
No. 2 Dated 2-18-26
No. 3 Dated 3-12-26
4 3-19-26

And the undersigned agrees that in case of failure on his part to execute the said Contract and the Bond within ten (10) days after being presented with the prescribed Contract forms, the check or Bid Bond accompanying his bid, and the money payable thereon, shall be paid into the funds of the City of Hollywood, Florida, otherwise, the check or Bid Bond accompanying this Proposal shall be returned to the undersigned.

Attached hereto is a certified check on the

_____ Bank of _____

or approved Bid Bond for the sum of 5% of bid amount

_____ Dollars ($) according to the conditions under the Instructions to Bidders and provisions therein.

NOTE: If a Bidder is a corporation, the legal name of the corporation shall be set forth below, together with signature(s) of the officer or officers authorized to sign Contracts on behalf of the corporation and corporate seal; if Bidder is a partnership, the true name of the firm shall be set forth below with the signature(s) of the partner or partners authorized to sign Contracts in behalf of the partnership; and if the Bidder is an individual, his signature shall be placed below; if a partnership, the names of the general partners.

WHEN THE BIDDER IS AN INDIVIDUAL:

_____
(Signature of Individual)

_____
(Printed Name of Individual)

_____
(Address)

****

WHEN THE BIDDER IS A SOLE PROPRIETORSHIP OR OPERATES UNDER A TRADE NAME:

_____
(Name of Firm)

_____
(Address)

_____(SEAL)
(Signature of Individual)

****

WHEN THE BIDDER IS A PARTNERSHIP:

_____
(Name of Firm) A Partnership

_____
(Address)

By: _____
(SEAL)
(Partner)

Name and Address of all Partners:

_____

_____

****

WHEN THE BIDDER IS A JOINT VENTURE:

_____
(Correct Name of Corporation)

By: _____ (SEAL)
(Address)

_____
(Official Title)

As Joint Venture
(Corporate Seal)

Organized under the laws of the State of _____, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

****

WHEN THE BIDDER IS A CORPORATION:

RF Environmental Services, Inc.
(Correct Name of Corporation)

By:
(SEAL)

Thaddeus Buckley - President

(Official Title)

4426 NE 8 Ave, Oakland Park, FL 33334
(Address of Corporation)

Organized under the laws of the State of Florida, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

CERTIFIED COPY OF RESOLUTION OF
BOARD OF DIRECTORS

RF Environmental Services, Inc.
(Name of Corporation)

RESOLVED that Thaddeus Buckley
(Person Authorized to Sign)

President of RF Environmental Services, Inc.
(Title) (Name of Corporation)

be authorized to sign and submit the Bid or Proposal of this corporation for the following project:

Water Treatment Plant Aeration Building Pump Station Upgrade Project
Project No. 19-4253

The foregoing is a true and correct copy of the Resolution adopted by

RF Environmental Services, Inc. at a meeting of its Board of
(Name of Corporation)

Directors held on the 4th day of June, 2025.

By:

Title: Thaddeus Buckley - President

(SEAL)

The above Resolution MUST BE COMPLETED if the Bidder is a Corporation.

- END OF SECTION -

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 02/06/2026

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

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

PRODUCER	CONTACT NAME: Jim Murphy	
Brown & Brown Insurance Services, Inc. 1201 W Cypress Creek Rd Suite 130 Fort Lauderdale FL 33309	PHONE (A/C, No, Ext): (954) 776-2222	FAX (A/C, No): (954) 776-4446
	E-MAIL ADDRESS: 053.Certs@bbrown.com	

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A :	FCCI Insurance Company	10178
INSURER B :	Certain Underwriters at Lloyds	15025
INSURER C :	Underwriters At Lloyd's, London	32727
INSURER D :		
INSURER E :		
INSURER F :		

INSURED
RF Environmental Services Inc.
dba Milan Construction & Real Estate
4840 NE 11th Avenue
Oakland Park FL 33334

COVERAGES **CERTIFICATE NUMBER:** CL2562054879 **REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC ☐ OTHER:	Y		GL10009354701	06/27/2025	06/27/2026	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Employee Benefit Liab	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $ 1,000,000
A	AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ HIRED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ NON-OWNED AUTOS ONLY			CA10009354801	06/27/2025	06/27/2026	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	☒ UMBRELLA LIAB ☒ OCCUR EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION $ 10,000			UMB10009355101	06/27/2025	06/27/2026	EACH OCCURRENCE AGGREGATE	$ 4,000,000 $ 4,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		WC010007021905	06/27/2025	06/27/2026	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
B	Pollution Liability			CPL01625001	06/27/2025	06/27/2027	Each Incident Policy Aggregate	$2,000,000 $2,000,000

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

Re: Project Bidding: Hollywood - SRWWTP Temp Sodium Hypochlorite

The City of Hollywood is additional insured with respects to General Liability if required by written contract.

CERTIFICATE HOLDER

City of Hollywood - Public Utilities
1621 N 14th Ave
Hollywood FL 33020

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

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State of Florida
Department of State

I certify from the records of this office that RF ENVIRONMENTAL SERVICES, INC. is a corporation organized under the laws of the State of Florida, filed on January 28, 2016, effective January 27, 2016.

The document number of this corporation is P16000009528.

I further certify that said corporation has paid all fees due this office through December 31, 2024, that its most recent annual report/uniform business report was filed on February 14, 2024, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Fourteenth day of February, 2024

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

Secretary of State

Tracking Number: 5698487124CC

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

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

Membrane WTP's are Highlighted

RF Environmental Services, Inc.



PERSONAL STATEMENT

"As a result of my tenure working for municipalities in the Tri-County area , I have developed long-standing relationships with many of the County's and City's construction and engineering staff. I understand and can exceed their expectations for project delivery."

OFFICE LOCATION

Miami & Fort Lauderdale, FL

EDUCATION

BS, Mechanical Engineering, National University of Florida, 1996

LICENSES/ REGISTRATIONS

Certified General Contractor – FL, #CGC1518671

Certified Mechanical Contractor – FL, #CMC1250334

Certified Plumbing Contractor – FL, #CFC1429319

Certified Pollutant Storage Contractor – FL, #PCC 1256939

MEMBERSHIPS/ AFFILIATIONS

Designated DBIA Professional

Construction Association of South Florida

Association of General Contractors of America

Thad Buckley, President

Mr. Buckley has more than 20+ years of construction and engineering experience including work on water and wastewater treatment facilities, commercial and industrial HVAC and plumbing projects, and heavy duty industrial mechanical installations. In January 2016 Mr. Buckley founded RF Environmental Services, Inc. (RFES). Mr. Buckley has been responsible for the procurement and execution of water and wastewater treatment projects utilizing the Hard-Bid, CMAR and Design-Build delivery methods. By utilizing his knowledge and expertise in business and project development, estimating, design, start-up, testing and commissioning, and overall quality control for designing, estimating, construction, Mr. Buckley has procured and completed some of the most complex projects in the state. Mr. Buckley has had complete project responsibility for some of the most involved and technically challenging projects throughout Florida, from the largest membrane softening water treatment plant in the United States at 40-mgd to the installation of over 15,000 feet of 20"/24" steel pipe in the tarmac at Miami International Airport. Mr. Buckley has also served as the project executive for multiple, large scale, projects throughout the Tri-County area.

Previous Relevant Work Experience

MWH Constructors, Inc., Florida Regional Manager (2012-2016)

While with MWH Constructors, Inc., Mr. Buckley helped establish the Company's "Hard-Bid" and "Self-Perform" capabilities. With MWHC's main office located in Broomfield, CO, it was Mr. Buckley's responsibility to establishing their Florida based estimating, project management, field staff and "self-perform" teams. These initial efforts culminated in the Award and Substantial Completion of the MWHC's first "Hard-Bid - at Risk" construction project in the Company's history. Mr. Buckley also acted as the Company's general construction, mechanical and plumbing qualifier for the work in Florida.

Poole and Kent, Inc., Vice President (1996-2012)

Mr. Buckley started his professional construction career after graduation from the University of Florida with Poole and Kent as an assistant project manager working at Miami-Dade County's Central District Waste Water Treatment Plant. Having worked there for 16 years Mr. Buckley performed every job required at Poole and Kent from clerk to chief project estimator, and from superintendent to project executive. During this time at Poole and Kent Mr. Buckley gained valuable experience in both general construction and mechanical cost estimating; and the detailed bidding requirements specific to the municipal water & wastewater treatment sector, including insurance and indemnification requirements and standards, bond requirements and construction risk allocation, and scheduling.

Relevant Project Experience

RFES Project Manager, North Regional WWTP Reclaimed Water Plant Expansion, Broward County, Broward, FL

Mr. Buckley led this effort as project manager. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $10.6M project includes the furnish and installation of two (2) 2,500kw Gen-Sets, Sixty-Four (64) Dyna-Sand reuse filters, Two (2) Auto-

Backwash Strainers, Five (5) FRP Tanks, and Twelve (12) Re-Use and Filter Pumps.

RFES Project Manager, WTP Improvements, City of Pembroke Pines, Pembroke Pines, FL

Mr. Buckley led this effort as a project manager, he produced initial and final cost estimates and managed the proposal, design, purchasing and coordination of all major design, process equipment and subcontractor packages. Was directly responsible for assembling the design and construction teams on this project. After completing the design phase, he turned over day-to-day operations of the construction activities to the on-site project management team. This $2.9M project entailed installation of new air scour system on (16) Greenleaf Filter Cell including new blower and air distribution header throughout the water treatment plant.

RFES Project Manager, WTP Lime Feed System Refurbishment, SCC Valve Insertion and Mag-Flow Meter Insertion, City of Pembroke Pines, Pembroke Pines, FL

This $3.1 million project entails the refurbishment of lime systems No. 1 and 2. Mr. Buckley produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. The contract includes the installation of two new slakers, including new lime slurry feed tanks, new slurry feed pumps. Replacement of the lime slurry pumps at Silo No. 3, provide rehabilitation to Silos No. 1 and No. 2. Excavate, cut and install (3) new isolation valves.

RFES Project Manager, WTP 1A and 2A Treatment Unit Rehabilitations, Broward County, Broward, FL

Mr. Buckley led this effort as a project manager, he produced initial and final cost estimates and managed the proposal, design, purchasing and coordination of all major design, process equipment and subcontractor packages. Was directly responsible for assembling the design and construction teams on this project. After completing the design phase, he turned over day-to-day operations of the construction activities to the on-site project management team. This $1.8M project entailed the rehabilitation of existing Lime Treatment Unit #2 at WTP 2A and Lime Treatment Unit #1 at WTP 2A, including 36" Pipe repair.

RFES Project Manager, Sodium Hypochlorite and CO2 Injection System, City of Pembroke Pines, Pembroke Pines, FL

This $2 million project entails the installation of a Sodium Hypochlorite and Carbon Dioxide Injection System. Mr. Buckley produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. The contract included the replacement of components of (2) sodium hypochlorite injection triplex skids, replacement of sodium hypochlorite transfer pump including all electrical cables and piping.

Project Executive (PK), South District WWTP Cogeneration Facility Improvements, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of project managers and engineers during the RFQ, RFP, Design & Construction phases of the project. He produced initial and final cost estimates and managed the proposal, design, purchasing and coordination of all major design, process equipment and subcontractor packages. This included design service agreements in the amount of $2M, cogeneration system equipment package worth $4M and a $3.5M electrical system subcontract agreement.

Project Executive, Belle Glade Wastewater Treatment Plant Improvements, Glades Utility Authority, Belle Glade, FL

Mr. Buckley led this effort in a Principal-in-Charge and Lead Estimator capacity by managing the team of project managers, field staff and estimators. He produced initial and final cost estimates and managed purchasing and

coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $1.6M project includes the installation of bar screen covers, oxidation ditch splash guards, sodium hypochlorite feed system and piping, automatic slide gate and fencing; the modifications of the headworks piping, deep injection well effluent piping, weir; and purchase of outdoor refrigerated samples, WAS pumps, and sludge pumps.

Project Executive, South District WWTP Cogeneration Facility Improvements, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of project managers and engineers during the RFQ, RFP, Design & Construction phases of the project. He produced initial and final cost estimates and managed the proposal, design, purchasing and coordination of all major design, process equipment and subcontractor packages. This included design service agreements in the amount of $2M, cogeneration system equipment package worth $4M and a $3.5M electrical system subcontract agreement. He was also directly responsible for assembling the design and construction teams on this project. After completing the design phase, he turned over day-to-day operations of the construction activities to the on-site project management team. This $20M project entailed the upgrade to the existing Cogeneration System at the South District WWTP including design, permitting, supply, fabrication/installation of (5) new cogeneration units and associated 5kV electrical systems, as well as combustion gas pre-treatment systems, exhaust and engine cooling water heat recovery systems for the digested sludge treatment process and the combustion air cooling through the use of an absorption chiller and hot oil recirculation.

Project Executive, South District WWTP HLD Upgrade to 285-mgd Filter System, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley, as part of the executive bid team on this project, performed the pre-bid estimating for all the wastewater treatment plant process equipment on this project. Then after contract award, acting as a project executive purchased, coordinated and scheduled the delivery all major process equipment for this project, including: (16) 200 hp Backwash Pumps, (7) 500 hp blowers, (12) mixers, switchgear, transformers, MCCs, (161) 24-inch motor operated control valves, (35) flow meters, (43) level transmitters, and multiple local control panels, and the process instrumentation package. These responsibilities included negotiating subcontract and purchase order terms and conditions with both contractor selected and Owner "sole-source" vendors and subcontractors, assuring that Miami-Dade County contract requirements were including in all subcontractor and vendor agreements. This $135M project, part of the $628M high-level disinfection project currently underway at the South District WWTP, entailed the construction of one of the largest deep bed sand filter systems in the US.

Project Executive, South District WWTP Fat, Oil & Grease Septage Facility, Miami-Dade Water & Sewer Department, Miami, FL

Mr. Buckley, as part of the executive bid team on this project, performed the pre-bid estimating for all of the wastewater treatment plant process equipment on this project. After contract award, he acted in a project executive role and purchased, coordinated, and scheduled for delivery all major process equipment for this project, including: grit pumps, overflow & flushing water pumps, slide, weir & sluice gates, submersible pumps, grit classifiers, mechanical bar screens, odor control systems, chemical systems, motor operated control valves, flow meters, level transmitters, local control panels, and the process instrumentation package.

Project Executive, Belle Glade Wastewater Treatment Plant Improvements, Glades Utility Authority, Belle Glade, FL

Mr. Buckley led this effort in a Principal-in-Charge and Lead Estimator capacity by managing the team of project managers, field staff and estimators. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all

phases of construction. This $1.6M project includes the installation of bar screen covers, oxidation ditch splash guards, sodium hypochlorite feed system and piping, automatic slide gate and fencing; the modifications of the headworks piping, deep injection well effluent piping, weir; and purchase of outdoor refrigerated samples, WAS pumps, and sludge pumps.

Project Executive, Hollywood Water Treatment Plant Electrical Power Generator System Expansion, Hollywood, Florida

This $1.7 million project entails the construction of expansion of the generator system at the existing water treatment plant. Mr. Buckley produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. The contract includes the installation of a new 1500 kW, 13.2 kV diesel engine generator set in the existing Generator Building, modifications to the existing switchgear, low voltage MCC, and generator control system; the installation of new component panels for the existing generator section and a new door/panel for the master control section; modifications to existing SCADA systems; installation of a new fuel supply system, new engine cooling system and insulated piping; and removal of modified bitumen roofing and replacing with a new EPDM membrane roofing system.

Project Executive, Hollywood Water Treatment Plant Membrane Replacement, Hollywood, Florida

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing the team of project managers and field staff. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $1.7M project entails the removal and replacement of the nano-filtration membrane elements in the seven existing membrane softening trains at the existing water treatment plant.

Project Executive, Wastewater Repump Stations A, B & E Rehabilitation, City of Fort Lauderdale, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of four project managers and field staff which were charged with completion of all of the City of Fort Lauderdale work being completed concurrently at the time. In this role Mr. Buckley was a key factor in keeping all these projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $11.7M project entailed the rehabilitation of three re-pump stations for the City of Fort Lauderdale. All electrical and mechanical equipment was replaced and upgraded including generators. All wastewater ductile iron pipelines associated with each respective pump station were replaced as well. A bypass system was installed to help manage the system flow at each pump station. Each station required a system shutdown to install the ductile iron pipe required during the allotted time frame. Major equipment for this project included: four 450 hp horizontal non-clog pumps, one 2,000 kw diesel-electric generator, one 900 kw diesel-electric generator, one 8,000 gallon above-ground fuel storage tank, four 250 horizontal non-clog pumps, three 60 hp horizontal non-clog pumps, four 160 V VFDs, and seven 480 V VFDs.

Project Executive, G.T. Lohmeyer WWTP Pumping System Improvements, City of Fort Lauderdale, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of four project managers and field staff which were charged with completion of all of the City of Fort Lauderdale work being completed concurrently at the time. In this role Mr. Buckley was a key factor in keeping all these projects on schedule and under budget by mitigating subcontractor and vendor claims and change orders to the fullest extent possible. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $12.5M project entailed the following: replacement and upgrade of all field instrumentation, the replacement of the 750 kva generator with a new 1,200 kva generator and motor control center, and upgrade the fuel storage tank to current Building Code standards. At Pump Station No. 1, P&K replaced three 10-inch sewage pumps with three 10-inch horizontal sewage pumps. At Pump Station No. 2, P&K replaced three sewage pumps with three 8" vertical pumps. At Pump Station No. 3, P&K replaced all three 6-inch sewage pumps with three 6-inch vertical pumps. At the dewatering building, P&K replaced all eight sludge pumps with new 6-inch sludge pumps. At the Effluent Pump Station, P&K replaced all three non-potable water pumps.

Project Executive, Waste Management CNG Fueling Facility, Waste Management, Pompano Beach, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing the team of project managers, estimators and field staff. He produced initial and final cost estimates, negotiating the contract with the prime contractor who was working for Waste Management. During construction he managed purchasing, coordination of all major equipment and subcontractor packages and performed general project oversight through all phases of construction. This $1.7M design-build project included the installation of a new water main under the existing truck parking area. Additionally, the project requires the installation of a new compressed natural gas system including equipment, piping, and remote fueling stations for mechanical, electrical and civil systems.

Project Executive, Peele-Dixie Membrane Plant, City of Fort Lauderdale, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of four project managers which were charged with completion of all of the City of Fort Lauderdale work being completed concurrently at the time. In this role Mr. Buckley was a key factor in keeping all these projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. This $27.3M project entailed the construction of the 12-mgd membrane softening water treatment facility at the existing plant which was built in 1926. In addition to the membrane facility, the project involved building generator and chemical buildings and installed four membrane process skid units each with 77 pressure vessels. The major components of the work included the installation of one 300 hp variable speed membrane feed pump, four raw water cartridge filters, a new high service pump station with five 250 hp vertical turbine high service pumps, three 60 hp transfer pumps, a new chemical tank farm, a metering pump building, and two 1750 kva emergency diesel generators.

Project Executive, Southern Regional WWTP Oxygen System Upgrade, City of Hollywood, FL

Mr. Buckley led this effort in a Principal-in-Charge capacity by managing a team of project managers and engineers during the RFQ, RFP, Design & Construction phases of the project. He produced initial and final cost estimates and managed purchasing and coordination of all major equipment and subcontractor packages; and performed general project oversight through all phases of construction. Mr. Buckley also played a key role in keeping all the projects on schedule and under budget by mitigating subcontractor and vendor claims and changes orders to the fullest extent possible. This $10M design-build project rehabilitated the existing 64 TPD oxygen generation system for the City of Hollywood. The scope of the project included the preliminary and final design, permitting, and construction of the following project components: replacements of the dual 1,250 hp air compressors with three 900 hp units; rehabilitation of two existing LOX storage tanks and piping; rehabilitation of existing cryogenic oxygen generation system; installation of three new ambient air vaporizers, new instrument air compressor, and new instrument air piping; replacement of various piping systems with carbon steel, PVC, 316 stainless steel, and monel stainless steel, and miscellaneous site work. This project required meticulous up-front planning and scheduling, as well as extremely close coordination with the plant operating staff as the SRWWTP is an operating facility.

Project Manager, Fiveash Water Treatment Plant Upgrades – Phase 1, Ft. Lauderdale, FL.

This $12.5 million project upgraded the entire water treatment plant's instrumentation and control system from the existing pneumatic control system to the state-of-the-art PLC and fiber optic control system. This required the replacement of more than 250 automatic control valves and the associated piping throughout the water treatment plant, including (11) on each of the (22) existing gravity filters. The project also involved replacing the main plant's core control system, installing four new lime slakers with new controls and instrumentation, two 200 HP high service pumps, new polymer distribution system with four new polymer feed pumps, a new lime sludge thickening tank with three submersible pumps, a new aqueous ammonia storage tank and pump building with two 10,000 gallon steel storage tanks and four metering pumps, and miscellaneous valves and control upgrades throughout the plant.

Project Manager, Fiveash Water Treatment Plant Filter Rehabilitation, Ft. Lauderdale, FL.

This $2.4 million project entailed the rehabilitation of six of the existing (22) filters at the Fiveash Water Treatment Plant under the WaterWorks 2011 program. During the completion of the contract work, the City of Fort Lauderdale increased our scope of work from six to ten filters. Each of the ten filter rehabilitations included removal of the existing filter internals, including the underdrain system, media and surface wash piping. The inside concrete surfaces of all rehabilitated filters

were refinished and prepared for the new underdrain and media installation. A new 316 stainless steel surface wash system was installed in each filter, and each pair of rehabilitated filters was tested, disinfected, and placed back into operational service within six weeks of being taken out of service.

Project Manager, Glades Road WTP 40-mgd Membrane Softening Process Addition, Boca Raton, FL.

This $49.6 million project included the construction of a 40-mgd Membrane Softening Water Treatment Facility which included the installation of degasifiers, odor control system, and three 1.5 mW generators. To this date this facility remains one of the largest nano-filtration water treatment facilities in the world, having (12) membrane process skid units each with 96 pressure vessels and one 200 HP variable speed membrane feed pump. Also included under the scope of construction for this project was (4) raw water pressure filters rated for a total flow of 47-mgd, a new raw water booster pump station with (6) 250 HP constant speed pumps, a new high service pump station with (2) new dual drive high service pumps rated at 700 HP and 1200 HP, (3) new 100 HP vertical turbine transfer pumps, a new chemical tank farm and metering pump building, a new generator and switchgear building.

Project Manager, G.T. Lohmeyer WWTP Effluent Pump Station, Ft. Lauderdale, FL.

This $6.2 million project required the replacement of five deep well injection pumps. This project was particularly challenging as there was no effective way to isolate the wastewater treatment plant from the effluent pump station, as such all work during scheduled shut-downs had to be closely coordinated at night during low-flow conditions and could not exceed (4) hours. Construction consisted of the following elements: installation of two 1,250 HP – 15,200 GPM and three 1,750 HP – 22,800 GPM, 4,160 volt electric non-clog centrifugal pumps a new effluent pump control system, including new PLC's; wet well level controls, MMI systems and software, and a state-of-the-art pump monitoring system, measuring four temperatures and four vibration readings on each pump and motor. The project involved constructing a new electrical service distribution system for the new pumps, including a FPL vault, VFD control room, and all required HVAC systems

Project Manager, Glades Road Sodium Hypochlorite Generation System, Boca Raton, FL.

This $4 million project included the following: demolition of the existing chlorine gas storage, handling and feed systems; rehabilitation of the existing chlorine storage area and chlorinator room; modifications to receive the new on-site generation and feed equipment; two 70-ton salt/brine tanks each equipped with a salt truck off-loading station and brine make-up water softener system; three 1,500 pound per day (ppd) electrolytic on-site sodium hypochlorite generation units; five 18,500 gallon sodium hypochlorite solution storage tanks; and six hypochlorite metering pumps (each equipped with variable frequency drives); and all associated sitework, yard piping, electrical, instrumentation, and controls improvements.

Additional Project Manager Experience:

Glades Road Wastewater Treatment Plant Sludge System Improvements, Boca Raton, Florida, 2003

Springtree Water Treatment Plant, Sunrise, Florida, 1998

9th Street Pump Station Improvements, Miami, Florida, 1998

Central District WWTP Oxygenation Generation, Miami, Florida, 1996

Central District WWTP Odor Control Facility No. 5, Miami, Florida, 1996

Bal Harbour Pumping Station, Miami, Florida, 1997

Alexander Orr WTP Softening Modifications, Miami, Florida, 1997

World Ford, Hollywood, Florida, 1999

Broward County Libraries Energy Conservation and Ice Storage Facility, Broward County, Florida, 1999

Miami International Airport Concourse "E" Satellite Extension Tunnel and Utility Corridor, Miami, Florida, 1999

Miami International Airport Concourse "J", Miami, Florida, 2000

Miami International Airport South Terminal Expansion, Miami, Florida, 2000

Douglas Lenz

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Membrane WTP's are Highlighted

Project Management / Supervision

Planning, Coordination, Material procurement, Time management, OSHA and EM 385 (US Army Corps of Engineers) Compliance, Manpower loading and Forecast scheduling from Mobilization to Milestones into Substantial & Final Completion. Excellent ability to decipher contracts, drawings with specifications, submittals, shop drawings and surveys. Maintaining As-Built drawings. Dedicated to delivering quality finished product within budget. Experienced in the Procurement and Compliance of building and dewatering permits. Scheduling of Inspections by appropriate Municipalities and Engineer representatives.

Work History

Harry Pepper & Associates Project (General) Superintendent	2011 – 2012
Poole & Kent Company of Florida Project Superintendent	1997 – 2011
Tripp & Associates Project Superintendent	1995 – 1997
Widell & Associates, Inc. Project Superintendent	1987 – 1995
Tripp & Associates Project Superintendent	1984 – 1987
Widell & Associates, Inc. Project Superintendent	1978 – 1984
Grumman Eco-Systems Millwright	1976 – 1978

Experience

Survey

Jobsite Layout and Elevations with Digital Theodolite Transits (Total Stations) and Leica GPS-900 System from Bench Marks / Monuments

Pipe Laying / Pipe Fitting / Plumbing

Ductile Iron (ACIPCO)	Fastite, Flex ring, M.J., Flanged, VIC–Grooved, Field-Flex, Lok-Ring
Steel & Stainless Steel	Threaded, VIC-Grooved, Welded, Flanged
Cast Iron	Hub and No Hub couplings
Copper	Solder Joints (water, air and refrigeration)
Brass	Threaded and Welded
PVC and CPVC	Threaded, Glue, VIC-Groove, Welded
HDPE	VIC-Groove, Flanged, Fusion
R.C.P.	Assembly with testable joints underwater (Price Bros / Hanson)
Concrete	Drainage structures and conduit
Corrugated Metal	Steel and Aluminum
Fiberglass	Ductwork

Concrete

Forming	Using panels with taper-ties and snap-ties (Symons) (Patent) (Economy) plywood Keyways and bulkheads with PVC or Steel waterstop
Placement	Using truck-mounted booms, Hydraulic trailer pumps – crane / bucket
Finishing	Screeds, Laser leveling, vibration, power trowelling machine, hand float, trowel, edging, N.S. grouting of equipment bases, point & patch, sponge rubbing
Cutting	Blade and diamond chain saw and cord drilling, demolition, hydraulic and pneumatic hammers
Reinforcement	Bending, Placement

Carpentry

Rough	Forming for concrete with plywood/lumber. Wood & steel framing for houses, garages, barns. Setting and alignment of roof trusses (wood & steel). Hang and finish drywall. Wood fencing.
Finish	Hanging of doors, frames and hardware (wood, steel & fiberglass). Installation of cabinets, counters and vanities. Wood paneling and trim.

Equipment Operation **CDL Class "A" Safe Driver Florida License**

Crane	Boom trucks, carry deck, hydro (all terrain & truck/carrier), friction (track) using drag, clam and concrete buckets. Sheet piling diesel hammer, vibratory sheet pile driver/extractor, hydraulic auger for cast in place piling.
Excavators	Track-hoe (full size and mini), rubber tire combination, dozer, wheel loader, grader, skid-steer loader with hoe, breaker and broom attachments), tractor with box blade.
Compaction	Jumping Jack rammer, reversible plate, single drum (ride on) vibratory
Forklift	Warehouse lift truck, straight mast rough terrain, shooting boom rough terrain

Welding AC/DC, MIG/TIG/Stick

Cutting Carbon Arc, Plasma, Oxygen and Acetylene

Installation, Leveling and Alignment of:

- R.O. and De-saltation Membranes
- Generators, Silencers, Fuel systems
- Pumps, Motors, Piping
- Gantry systems
- Air compressor systems
- Vacuum pump systems
- Chlorination and chemical feed systems
- Turbine generator
- Barscreens (Parkson)
- Primary & Secondary Clarifiers
- Lime Slakers
- Sodium Hypochlorite Generator
- Pressure sand filter (Roberts)
- Odor control and degasifiers
- Fire sprinkler systems
- Irrigation systems

Experience developed from:

- Construction of WTP and WWTP
- Pumping Stations and Pipe Laying
- Sheet Piling Cofferdams w/tremie seals
- Wellpoint Dewatering Systems
- Open pumping with under-drain systems
- A/C and Refrigeration Equipment
- Commercial Buildings (single and multi-story)
- Shopping Centers and Convenience Stores
- Above ground fuel storage systems
- Service Stations and Fuel Islands
- Steel Buildings and their foundations
- Concrete steel and fiberglass tanks
- Truck Weighing Stations
- Custom multi-million dollar homes

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Job details, history and contacts for the various jobs and projects that I have worked on over my career.

Harry Pepper & Associates **Project / Job Details:**	**2011 – 2012** **Project Value**
Picayune Strand Restoration & Faka/Union Pump Station Collier County, Naples, FL USACE Jacksonville District SFWMD HPA Sr. Project Manager Allen Bales (321) 543-7438 Bales@cfl.rr.com	**$79M**
Poole & Kent Company of Florida *(Member of Safety Committee for OSHA Compliance)* **Wastewater/Water Treatment Plants** **Project / Job Details:**	**1997 - 2011** **Project Value**
SDWWTP (Black Point) Chlorine Contact Tanks 5–9, Miami, FL Hazen & Sawyer Jose Orlando (305) 393-1711 Metro Dade Utilities Brian Held - Field Inspector (305) 903-6478	**$18M**
SDWWTP (Black Point) Septage Receiving & Solids Process Bldg., Miami, FL Metro Dade Utilities Alex Chong - Field Inspector (305) 710-4853	**$16M**
SRWWTP Oxygen System Upgrade, Hollywood, FL Camp, Dresser, McGee Frank Brenson (954) 802-3058 Air Products Sara Hammon	**$10M**
Peele Dixie WTP Membrane and Ground Storage Facility, Ft. Lauderdale, FL Hazen & Sawyer W.D. Brown - Field Inspector Rick Johnson - Chief Operator (954) 828-7865 Worked under Thad Buckley	**$26M**
Wastewater Re-pump Stations A, B & E Rehabilitation, Ft. Lauderdale, FL CH2MHill Larry Bower – PMT (954) 520-1713 Camp, Dresser McGee Jeff Manning (954) 448-3807 Chief of Operations Steve Roberts (954) 828-7854	**$17M**
G.T. Lohmeyer WWTP Pumping System Improvements, Ft. Lauderdale, FL CH2MHill Larry Bower – PMT (954) 520-1713 Camp, Dresser McGee Jeff Manning (954) 448-3807 Chief Operator Steve Curmode (954) 523-1002	**$8.5M**
Fiveash Water Treatment Plant Upgrades – Phase 1, Ft. Lauderdale, FL CH2MHill Larry Bower –PMT (954) 520-1713 Hazen & Sawyer George Brown (954) 987-0066 Chief Operator Rick Johnson (954) 828-7865	**$16.5M**
Glades Road WTP Membrane Softening Process Addition – Boca Raton, FL ***"World's Largest Membrane Softening Water Treatment Plant"*** Camp, Dresser, McGee Jeff Manning (954) 448-3807 Ed Hause (954) 605-9789 Worked under Thad Buckley City of Boca Raton Admin Team Chris Helfrich – Director of Utilities (561)338-7301 Norm Wellings-Operations Director (561) 338-7300	**$49.75M**
Bonita Springs Water Reclamation Facility, Bonita Springs, FL CH2MHill Don Klose - East Coast Mgr (813) 918-6266 Bonita Springs Utilities Director	**$6M**

Bonita Springs Water Reclamation Facility, Bonita Springs, FL – cont'd Fred May - Senior PM (941) 875-1592 Pat Jennings (239) 992-0711 Katos Watson – PM (239) 707-6173 Gary - Project Supt (239) 707-6172	
Poole & Kent Company of Florida **Wastewater/Water Treatment Plants** **Project / Job Details:**	**1997 - 2011** **Project Value**
G.T. Lohmeyer WWTP Effluent Pump Station - Ft. Lauderdale, FL CH2MHill Camp, Dresser McGee Chief Operator Larry Bower - PMT Jeff Manning John McGeary (954) 520-1713 (954) 448-3807 (954) 523-1002	**$8M**
Palm Beach County Membrane Plant No. 9 - Boca Raton, FL Palm Beach County Utilities Bill Latinsky (561) 541-0754	**$25M**
Tequesta Water Treatment Plant - Tequesta, FL Reese, Macon & Associates (561) 433-3226 Bill Reese (561) 248-3226 wreese@Arcadis-us.com Jim Macon Dale Scott – PM	**$5.5 M**
Sawgrass WWTP Expansion and Biosolids Facility - Sunrise, FL Camp, Dresser, McGee (954) 776-1731 City of Sunrise Larry Martin – Senior PM (941) 656-5211 Chris Helfrich - Finance Jim Crane – S FL Mgr Walter Garrard – Adm Control Ben Cinquegrana – Project Inspector Chuck Irvine – Adm Control Robert Trautman – Project Inspector Tony Yates – Adm Control	**$24M** *This reflects a $4M change order*
Springtree Water Treatment Plant - Sunrise, FL Montgomery Watson - Engineer City of Sunrise Albert Weidner – Project Inspector (954) 572-2424 Chris Helfrich - Finance Howard Rupper – Chief Operator Walter Garrard – Adm Control Chuck Irvine – Adm Control Tony Yates – Adm Control	**$16M**
Alexander Orr Water Treatment Plant - Miami, FL Miami Dade Utilities Murray Grant – Utilities Director Alfredo Sanchez – Field Inspector	**$14.2M**
Alexander Orr Lime Kiln Improvements - Miami, FL Miami Dade Utilities Murray Grant – Utilities Grant Alfredo Sanchez – Field Inspector	**$2.5M**
Tripp & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1995 – 1997** **Project Value**
Turbine Generator Facility Superstructure 42'Wx82'Lx60' Tall steel I-Beam structure with 30 ton gantry crane. Mid-elevation concrete operating floor around 10.5 mil-amp steam turbine generator on pedestal base with lower level grading deck for switchgear and lubrication system. Structure enclosed with concrete block with formed columns and beams. Building featured 110 ton chilled water ventilation system with code 850 (fire) smoke or steam discharge system. **Condenser Cooling Tower Circulation Pumps and Piping** Paired 26" steel pipes on steel support frames (20' off ground) with expansion support guides. From turbine generator building to cooling tower. Installed three base mounted split-case horizontal circulation pumps with steel suction piping and stainless strainers and wall embedded sleeve.	**$1.7M**

Condenser Cooling Tower Circulation Pumps and Piping – cont'd Hutcheon Engineers 4431Embarcadero Dr West Palm Beach, FL (561) 845-0665 Robert Howl, Kirk Drost, Anthony Sulkowski Sugar Cane Growers Co-Op – Belle Glade (561) 996-5556 Vice President: Jose Alvarez New Construction Control: Bob Mattox	
Tripp & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1995 – 1997** **Project Value**
Belle Glade Transfer Station Project #SWA 95-240/JMD, Palm Beach, FL **Solid Waste Authority** Project consisted of two concrete structure contained truck scales with approach slabs on either side of scale house/administration building with overhead concrete double tee porch. Transfer building 100'x120' formed concrete structure with steel building upper structure. Split-level structure with two semi-truck drive-thru lanes with approach aprons and axle scales. HDR Engineering, Inc Tampa, FL Neal Poteet (813) 282-2383 SWA Engineer Jack Mesojedec P.E. Brent Headberg - Project Inspector (561) 640-4000	**$3.3M**
Process Water Pumping Station and Transfer Main Project consisted of open pumped excavation. Poured in place concrete 14'x35'x25' depth structure with 16' walls on 36" ballast foundation. 60" influent slide gate and FMC revolving self -cleaning screen filter with two 100HP vertical pumps discharging into 16" PVC ½ mile long transfer main to sand filters. Sugar Cane Growers Cooperative of Florida 1995 Mill Expansion 160 Airport Rd Belle Glade, FL Global Tech, Inc. P.O. Box 2487 Boca Raton, FL (561) 368-2713	**$380K**
Filtered Mud Recovery System Project consisted of two skid mounted transfer pump stations with all steel discharge piping draining to them. These stations transferred mud slurry to main exterior steel mixing tack with vari-speed centrifugal pumps transferring back through steel piping to primary filters.	**$550K**
Widell & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1987 – 1995** **Project Value**
Hood Road Water Treatment Plant Modifications, Palm Beach Gardens, FL **Seacoast Authority** Project consisted of demolition of the existing valve-less filter train system dewatering and installs tapping saddle on existing 60" R.C.P. connecting to two vari-speed high service pumps in cans with discharge yard piping. Demolition of existing steel precipitator and concrete foundation construction of new 70' concrete accelerator softener tank. Relocated lime system on existing high service pumps. Reese, Macon and Associates, Inc. 6415 Lake Worth Rd, Suite 307 Lake Worth, FL Bill Reese P.E. James Macon P.E.	**$1.87M**

Reclaimed Water Facility, Palm Beach Gardens, FL **Seacoast Utility Authority PGA Wastewater Treatment Plant** Project consisted of new filter feed pump and yard piping to tertiary filters. New chlorine handling facility. 375 linear ft. of 30" D.I.P. through storage ponds #11 and #12. 30'Lx16'Wx16'D pump station with 150HP pumps and jockey pump. 24" discharge header and force main through plant. Engineering Concepts in Design, Inc. 1080 E. Indiantown Road, Suite 202 Jupiter, FL John C. Whitmer P.E. Eric Crawford P.E.	**$961K**
Widell & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1987 – 1995** **Project Value**
WWTP Expansion Sludge Treatment Facility, Broward County, FL Project consisted of concrete building containing sludge boilers, sludge transfer pumps and gas-blowers with connecting piping to two floating cover sludge digesters with mixing cannons inside. Steel gas piping was laid to existing digesters with new cannons. Camp, Dresser & McKee, Inc. James Holly - Assistant Engineer (305) 776-1731	**$7.82M**
Wastewater Effluent Irrigation Facility, City of Pompano Beach, FL Project consisted of two million gallon Crom ground storage tank that was given the ***Award of Excellence for Distinguished Architectural Treatment in Pre-Stressed Concrete Tank Construction*** by Portland Cement Association. An esthetic matching control building with chemical equipment. A Parkson four well sand filter. A multi-horsepower irrigation pump station approximately one mile of 16" D.I.P. distribution main south through golf course. Eckler Engineering Don Eckler P.E. (954) 755-1351 Robert Ruthmeyer - Field Inspector	**$3.25M**
Wastewater Treatment Plant Expansion, City of Royal Palm Beach, FL Project consisted of 200' oval racetrack aeration basin with two 60' clarifiers and combination contact tank with deep well pump station. Responsibilities began with structural and mechanical foreman but completing the project as superintendent. Craig A. Smith & Assoc, Inc. (954) 782-8222	**$2.7M**
Tripp & Associates **Responsibility – Project Superintendent** **Projects / Job Detail**	**1984 – 1987**
S & M Distributors (Farmers Market) Pompano Beach, FL 35,000 sq. ft. steel building; re-skin and divide into storage coolers with insulation and refrigeration. Addition of 3,800 sq. ft. ripening rooms on north truck loading dock.	
J.R. Brooks and Son 18400 SW 256th St. Homestead, FL 3,800 sq. ft. foundation and fabrication of steel tubing mainframe and mid rack of insulated/refrigeration steel building for tropical produce ripening. Mike Hevener Operations Manager (305) 247-3544	
Winn Dixie Shopping Center Expansion (30,300 sq. ft.) – Royals Properties, Inc. Turn-key completion of Scotty's Hardware, Cato's Clothing.	
Thriftway Food Supermarket, Clewiston, FL Rebuild 25% structural concrete and 40% of roof trusses as result of fire damage.	
Glades Middle School – Airport Rd, Belle Glade, FL 5,500 sq. ft. boys and girls locker room addition to existing gym.	
Big B Ranch – State Rd 27 (South Bay Sugar Cane Grower) Single story 6,100 sq. ft. CBS office and storage building	
Bernie Little Beer Distributors – Belle Glade, FL Steel building addition. Piling foundation and forklift ramp and new cooler area.	

Consolidated Chemical, Inc. – Lake Harbor, FL Fairbanks-Morris truck scale and gauge house. Stand up wall fertilizer storage Building.	
Timesaver Convenience Store & Covered Fuel Island – Belle Glade, FL Kirchman Oil Corp – State Rd 80 & Tabit Rd., Belle Glade, FL (561) 996-2033	
Timesaver Convenience Store & Covered Fuel Island – South Bay, FL Kirchman Oil Corp – State Rd 80 & Tabit Rd., Belle Glade, FL (561) 996-2033	
Western Auto Plaza 32,000 sq. ft. two-story commercial building addition. Owner: Tom Bonavita	
Widell & Associates **Responsibility – Mechanical and/or Structural Foreman** **Projects / Job Detail**	**1978 – 1984**
Water and Wastewater Plants, South Broward Utility Company **Waitz and Frye Consulting Engineers** Under piping and encasement, yard piping, onsite lift station and discharge main.	
Wastewater Treatment Plant, Port La Belle, FL Installed transfer pumps and yard piping. Installed Hoffman blowers and air piping to diffuser manifold of main multi-tank.	
Wastewater Treatment Expansion, Collier City, FL **PRC Engineering, Inc. (813) 774-4999** Installed and aligned race-track aerator. Basin mixer shaft units and yard piping at splitter box. Installed vacuum units piping basin tile blocks of Dehydro process (sludge dewatering) Infilco basin.	
Wastewater Treatment Plant Softener Expansion, Pembroke Pines, FL After Tampa tank erected two accelerator mixing tanks on Widell foundations, we complete sludge blow-off piping and valves and yard piping.	
Sewage Re-pump Station, City of Ft. Lauderdale, FL **Williams, Hatfield and Stoner, Inc.** Assembly of by-pass pumps and piping. Gutting station. Installed new pumps, motor, bases and new flanged suction and discharge piping.	
Water Treatment Plant, City of South Bay, FL **Barker, OSHA and Anderson - 860 U.S. Highway 1, West Palm Beach, FL (561) 683-3301** Assembly of two ozone generators and associated piping. Yard piping between structures, filter gallery flanged piping. Chlorine equipment and piping.	
Wastewater Treatment Plant Expansion, Clewiston, FL **U.S. Sugar Corp, Clewiston, FL** **Gee and Jensen Inc. 1 Harvard Circle, West Palm Beach, FL (561) 683-3301** Replacement of bridges, gearboxes and mixers in both accelator units. Yard piping from new ground storage tanks to high service pumps. Wellpoint system installation. Equipment operating of hydraulic crane, trac-hoe and loader.	
Ground Storage and Re-pump Station, City of South Bay, FL **Barker, OSHA and Anderson - 860 U.S. Highway 1, West Palm Beach, FL (561) 683-3301** 1,600 sq. ft. concrete pump house with two split-case hi-service electric pumps and diesel stand-by. 1,500 gallon hydro tank and foundation Crom ground storage tank. Yard piping and chlorine equipment.	
Wastewater Treatment Plant Expansion, City of South Bay, FL **Barker, OSHA and Anderson - 860 U.S. Highway 1, West Palm Beach, FL (561) 683-3301** Assembly of both clarifier mechanisms and complete tertiary filter unit. Assembly of R.B.C. disk units and covers. Equipment operator.	
Water Treatment Plant – Filter Modification **U.S. Sugar Corp, Clewiston, FL** **Gee and Jensen Inc. 1 Harvard Circle, West Palm Beach, FL (561) 683-3301** Filter media removal and replacement. Surface sweeping threaded piping modification.	

Wastewater Pump Station, City of Palm Beach, FL
Hutcheon Engineers 4431 Embarcadero Dr., West Palm Beach, FL (561) 845-0666
Form setter, rebar placement, concrete placement and finishing. Assembly of flanged and mechanical joint piping. Installed Flytt pumps and bases. Installed chlorine equipment. Assembled ozone filtering units and piping. Combination excavator and Bantam truck-crane operator.

Grumman Eco-Systems **Responsibility – Millwright and 20 Ton Hydraulic Crane Operator** **Job Detail**	**1976 – 1978**
Assembly of 24 motor / gearbox / propeller mixing units of three aeration basins. Assembly and leveling of three 170' clarifier mechanisms. Assembly of pumps and piping for two sludge return stations. Installation, leveling and alignment of four diesel turbine generators and discharge silencers.	
Mac Pherson's Marine Services, Inc. **Responsibility – Marine Mechanic** **Job Detail**	**1969 – 1976**
Factory trained and authorized mechanic for outboard, sterndrive and inboard gas/diesel propulsion. Shop and dockside repairs, installation and maintenance. Skilled in powerboat and sail seamanship. Past member (Flag Lieutenant) U.S. Power Squadron, Delray Beach, FL.	

On-Going & Completed Project Experience & Reference List

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Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Cmplt	Orig. Days	Final Days	Orig. $	Current / Final $	Projected/ Actual SC
City of Ft. Lauderdale FiveAsh Water Treatment Plant Filter Rehabilitation - Phase 2	City of Ft. Lauderdale	4321 NW 9th Ave, Ft. Lauderdale, FL	Scott A. Teschky	steschky@fortlauderdale.gov	954-828-6195	Replacement of existing Media and Underdrain Inspection for Filters 1-4, 6,9,14,15, 17-22.		100%	870	540	3,301,397	3,301,397	12/30/2023
Broward County 2A Effluent Pipe Replacement	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Remove & Replace (2) existing 48" Effluent Pipes from 2A Units 1 & 2		100%	360	360	406,900	406,900	4/30/2024
Town of Lantan WTP Resin Replacement & Improvements	Town of Lantana	510 W Pine Street, Lantana, FL 33462	Jerry Darr	jdarr@lantana.org	Office: 561-540-5758	Construction of Improvements WTP rehabilitation of (3) AIX Vessels & (2) IXS System. Updates to the PLC & AIX/IXS Controls Software. Filter Valve Replacement		80%	590	590	2,404,000	2,404,000	2/9/2025
City of Sunrise - Sawgrass WTP Train A RAD - WAS Pump Replacement	City of Sunrise	10770 W Oakland Park Blvd, Sunrise, FL 33351	Guarionex De Los Santos	gdelossantos@sunrisefl.gov	Office: 954-888-6077 CellL 954-789-8709	Construction of Train A RAS & WAS Pump Replacement		50%	365	365	1,655,600	1,655,600	3/30/2025
Miami Dade Alexander Orr WTP Bulk Sodium Hypochlorite Feed & Storage Facility	Miami Dade County	3071 SW 38th Ave Miami, FL 33233	Alejandro Echeverry	alejandro.echeverry@miamidade.gov	Office: 786-552-8444 Cell: 786-893-5425	Construction new Sodium Hypo Storage & Feed System. Replace existing Chlorine Gas & Pilot Sodium Hypo Storage & Feed System.		50%	575	575	4,362,930	4,362,930	4/30/2025
City of Homestead Racetrack Water Tower Booster Pump Station	City of Homestead	100 Civic Court Homestead, FL 33030	Hamley Pacheco, P.E.	hpacheco@cityofhomestead.com	305-224-4484	Construction of Booster Pump Station		80%	195	195	899,900	899,900	7/30/2024
Broward County WTP 2A Lime Slaker Replacement	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@browrd.org	954-831-0983	Replace of one (1) existing Lime Slaker System from 2A WTP.		100%			404,600	404,600	11/30/2022
Broward County Replace Chemical Storage Tanks	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	2A WTP - FRP Sodium Hypochlorite 14,380 Gallon Bulk Storage Tank - Remove, replace and dispose. North Regional WTP - HDPE 6,550 Gallon Bulk Storage Tank - Remove, Replace and dispose. 3C WTP - Remove and properly dispose of the existing Ammonia Gas Equipment and Install new Liquid Ammonium Sulfate(LAS) equipment in the existing Ammonia Gas Room. 2A WTP - FRP Storage Tanks - Repair Four (4) Tanks and perform structural concrete and coating repairs to an existing Containment Sump Pit. MPS - 458 & MPS 460 - 500Gallon Double Wall UL - 142 Storage Tanks - Install Two (2) Storage Tanks.		100%			456,051	456,051	1/19/2023
Plantation East WTP Chemical Storage	City of Plantation	400 NW 73rd Ave Plantation, FL 33317	Brett Miller	bmiller@plantation.org	Office: 954-326-7634	Construction of five (5) chemical storage and feed facilities within the membrane building at the East WTP. Double containment piping (9) FRP & steel chemical storage tanks & (6) Clew TriNova metering pump skids.		100%	525	525	3,476,000	3,476,000	12/30/2023
Town of Lantan WTP High Service Pump Improvements	Town of Lantana	510 W Pine Street, Lantana, FL 33462	Jerry Darr	jdarr@lantana.org	Office: 561-540-5758	Build new Electrical & VFD Building and Remove and Replace (3) Existing High Service Pumps.		100%	365	365	1,448,000	1,448,000	8/30/2022
Broward County - Ravenswood S/S Pipe Replacement	Broward County	5440 Ravenswood Road, Dania Beach, FL 33312	Ahmad Ali	ahali@broward.org	Office: 954-357-6373 Cell: 954-850-8510	S/S Pipe Replacement and Rerouting		100%	90	90	519,500	519,500	8/29/2023
Pembroke Pines "WTP Lime Feed System Refurbishment, SCC Valve Insertion & Mag-Flow Meter Insertion" (IFB # PSUT-20-13)	City of Pembroke Pines	601 City Center Way Pembroke Pines, FL 33025	George Wrves	gwrves@ppines.com	Office: 954-518-9040 Direct: 954-518-9045 Cell: 904-237-3533	Rehab. the existing Lime Feed System including (2) Lime Slakers, (2) Slurry Tanks & (4) Slurry Pumps; Install 30" Valves in the existing 30" Softener (SCC) Eff Lines w/ (1) 30" Line Stop; Add Access Ports & Cleanouts to the 30" SCC Effluent Line; and Insertion Electromagnetic Flowmeter in the 30" treated water line.		100%	365	365	3,078,188	3,078,188	6/30/2022

On-Going & Completed Project Experience & Reference List

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Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Cmplt	Orig. Days	Final Days	Orig. $	Current / Final $	Projected/ Actual SC
Hialeah WTP Lime Slaker Replacement & Chemical Bldg Rehabilitation	Miami-Dade County	3071 SW 38th Ave Miami, FL 33146	Luis E. Rojas	Luis.Rojas@miamidade.gov	Tel: 786-552-4374 Cell: 786-402-1292	Remove & Replace (2) 4,000 lb/Day Lime Slaker Units, (4) New Lime Slurry Pumps, Slurry Tanks & Mixers, All New Electrical & Controls. Concrete Repairs, Structural Rehab & New Coating Systems.		100%	270	600	4,932,211	4,932,211	5/20/2023
Broward County 1A & 2A Lime Slaker Replacememt	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	Oasgar@broward.org	954-831-0983	Replaced existing Integrity paste-Type lime Slaker Electrical & Controls (1) at WTP 1A & (1) at WTP 2A					573,900	618,900	5/11/2022
Pembroke Pines Water Treatment Facility Improvements (PSUT-19-03)	City of Pembroke Pines	601 City Center Way Pembroke Pines, FL 33025	George Wrves	gwrves@ppines.com	Office: 954-518-9040 Direct: 954-518-9045 Cell: 904-237-3533	Install New Air Scour System on (16) Greenleaf Filter Cell, Including New Blower & Air Distribution Header throughout the WTP, Electrical & I&C. All New WTP SCADA System.		100%	270	400	2,879,686	2,879,686	8/30/2021
Broward County - 3B Facility Chlorination System	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Alicia Dunne	Dunne, Alicia <ADUNNE@broward.org>	954.831.0793	Installation of New Sod-Hypo Chlorite & LAS Chemical Systems & New Tank Mixing System		100%	330	330	879,400	879,400	3/4/2021
Broward County - Retail Master PS 221 Rehabilitation	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Ulrich Cordon; William P. (Pat) Mitchell	UCORDON@broward.org WMITCHELL@broward.org	Ulrich: 954-831-0998 Pat: 954-831-0958 Pat: Cell 954-553-5565	Rehab. of Existing PS 221, Including: Gen-Set, Fuel Tank, Well-Wet Concrete Rehab., New Electrical & Controls, Rehab Architectural		100%	480	480	2,380,605	2,550,074	11/24/2021
Broward County - Reuse Expansion	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar Danny Salinas	dannys@pkflorida.com Oasgar@broward.org	Danny 305-484-0522 Oscar 954-831-0983	Furnish & Install (2) 2,500 kW Gen-Sets, (64) Dyna-Sand Reuse Filters, (2) Auto-Backwash Strainers, (5) FRP Tanks, (12) Re-Use & Filter Pumps		100%	720	720	10,667,830	10,667,830	9/30/2021
Broward County Lime Slaker System Replacement WTP 1A	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Replaced (1) Existing Integrity Paste-Type Lime Slaker, Electrical & Controls at WTP 1A.		100%	210	210	294,900	294,900	12/30/2020
Collier County - Emergency Chlorine Scrubber Replacement	Collier County	3339 Tamiami Trl E, Suite 303	Alicia Abbott	Alicia.Abbott@colliercountyfl.gov	239-877-3961	Removal & Replacement of Existing Chlorine Gas Scrubber System		100%	240	240	328,000	328,000	5/26/2020
Broward County - Distric 2A 5MG Ground Stoarge Tank	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar Danny Salinas	dannys@pkflorida.com Oasgar@broward.org	Danny 305-484-0522 Oscar 954-831-0983	Installation of 5MG Crom Tank, Including 42" & 54" UG Piping & Valves, Site Work & (2) 42" x 100' Mixing Tank Systems Inside Tank.		100%	540	540	3,632,000	3,632,000	10/31/2020
Lime Slaker #3 Replacement	City of Pembroke Pines	8300 S Palm Drive	Paul Thompson	Thompson, Paul <pthompson@ppines.com>	954-518-9097	Replaced (1) Existing Integrity Paste-Type Lime Slaker		100%	270	270	209,728	209,728	11/30/2019
Broward County WTP 1A & 2A Treatment Unit Rehabilitations	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Rehabilitation of Existing Lime Treatment Unit #2 at WTP 1A; Lime Treatment Unit #2 at WTP 2A and Lime Treatment Unit #1 at WTP 2A.		100%	270	270	1,833,010	1,900,010	12/30/2019
Broward County WTP 1A Treatment Unit #2 Rehabilitation	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Rehabilitation of Existing Lime Treatment Unit #2 at WTP 1A.		100%	90	90	704,010	704,010	7/19/2019
Broward County WTP 2A Treatment Unit #1 & #2 Rehabilitation	Broward County	2555 W Copans Road, Pompano Beach FL 33069	Oscar Asgar	oasgar@broward.org	954-831-0983	Rehabilitation of Existing Lime Treatment Unit #2 at WTP 2A. Rehabilitation of Existing Lime Treatment Unit #1 at WTP 2A.		100%	270	270	1,129,000	1,196,000	12/30/2019
Peele-Dixie Check Valve R&R	City of Fort Lauderdale	Peele-Dixie WTP	DJ Tanner, Don Hering	DJ Tanner' <dj@fc-spec.com>	DJ - 603-548-5376, Don - 954-483-9497	Remove & Replace (1) 16" Check Valve		100%	10	14	35,000	35,000	2/14/2019
Greenleaf Filter Valve Replacement	Town of Davie	3500 NW 76th Ave, Hollywood FL 33024	Stanley Ebanks	stanley_ebanks@davie-fl.gov; DJ Tanner' <dj@fc-spec.com>	Stanley - 954-822-3991 Don 717-461-0779;	Remove & Replace (4) 10" & (4) 18" BFV's w/ Air Operator in an existing "Green Leaf" Package Filter		100%	30	30	118,000	118,000	2/26/2019
SDWWTP - CCC Gate Replacement	Miami-Dade County	8950 SW 232 Street	Don Miller, Daniel Lizarazo	don.miller@miamidade.gov, Daniel.Lizarazo@miamidade.gov	Daniel 305-205-0902 Don 717-461-0779;	Remove & Replace (11) 60" Rodney Hunt Cast Iron Sluice Gates		100%	262	320	946,917	946,917	11/30/2018
SDWWTP - Effluent Wet Well #1 & #2	Miami-Dade County	8950 SW 232 Street	Don Miller, Daniel Lizarazo	don.miller@miamidade.gov, Daniel.Lizarazo@miamidade.gov	Daniel 305-205-0902	Replaced All Mech Piping & (2) 48" BFV Seals		100%	120	120	412,000	412,000	5/30/2018
GT Lohmeyer WWTP Effluent Pump #1, #4 & #5 Rehab. & Check Valve Replacement	City of Fort Lauderdale	1765 SE 18th St	Justin P. Murray	JMurray@FortLauderdale.gov	954-828-4122	Removal & Replace (2) 1250 HP & (1) 1750 HP Effluent Pump Rotating Mechanisms & 36" Check Valves		100%	240	240	570,000	620,703	9/7/2018

On-Going & Completed Project Experience & Reference List

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Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Cmplt	Orig. Days	Final Days	Orig. $	Current / Final $	Projected / Actual SC
Sodium Hypo & CO2 Injection System	City of Pembroke Pines	8300 S Palm Drive	David Stambaugh CGA, George Wrves City of Pembroke Pines	dstamaugh@cgasolutions.com, Wrves, George <gwrves@ppines.com>	David S 561-681-5271, George Wrves (954) 518-9045 Office, (904) 237-3533 Cell	Installation of New CO2 System & New Sodium Hypochlorite Feed System		100%	270	330	1,828,640	1,828,640	1/30/2019
Broward County Air Stations #1 & #25	Broward County	115 S Andrews Ave	Juan Cacasus	jcatasus@broward.org	954-3576177	Sitework, Concrete & Install (2) Pre-Fabricated Air Monitoring Stations		100%	120	------	514,900	514,900	6/30/2019
Greenleaf Filter Replacement	City of Tamarac	10101 State St	Anthony Licata	Anthony Licata <Anthony.Licata@tamarac.org>	954-597-3777	Filter Media, Metal Repair Work & Recoating of Existing Steel Tank Interior		100%	120	210	529,000	662,000	1/30/2018
Hydrotreator #3 & #4 Rehab.	City of Fort Lauderdale	100 N. Andrews Ave	Omar Castellon	ocastellon@fortlauderdale.gov	954-828-5064	Replace Existing 30" Influent Piping Mag-Flow Meters, Piping & Butter-Fly Valves.		100%	270	390	399,000	544,401	2/15/2018
20" & 16" Bermad Valve Rehabilitation & Replacement	City of Port St. Lucie	10700 Glades Cut-Off	Robert Whritenhour	robert.whritenour@fc-spec.com	(407) 579-5000	Rehab (6) & Replace (1) 16" & 20" Bermand Control Valve & WWTP		100%	60	60	75,000	75,000	2/7/2017
Replacement of 90" BFV North District WWTP	Miami-Dade Water & Sewer Department	2575 NE 156 St, North Miami 33160	Robert Whritenhour	robert.whritenour@fc-spec.com	(407) 579-5000	Replaced Existing 90" BFV on Main Ocean Outfall - Install Labor & Equipment - Owner Furnished Materials		100%	360	360	100,000	100,000	7/30/2016
Relocation of 48" Plug Valve	Miami-Dade Water & Sewer Department	3800 NW 180th Street, Opa Locka 33055	Robert Whritenhour	robert.whritenour@fc-spec.com	(407) 579-5000	Service Contract for OEM		100%	120	120	60,000	60,000	5/30/2016
WTP#2 Filter Replacement	Palm Beach County	Pineherst Drive, Lake Worth	Vince Riccobono		(561) 493-6143	New 18 MGD Sand & Anthrecite Filters	X	100%	720	900	13,900,000	14,500,000	
South District WWTP Cogeneration Improvements - Design-Build	Miami-Dade Water & Sewer Department	SDWWTP - Miami FL	Humberto Codespodi		(305) 274-9272	See Attached Detail CV - Thad Buckley	X	100%	720	720	19,500,000	21,500,000	
South District WWTP HLD Upgrade to 285-mgd Filter System	Miami-Dade Water & Sewer Department	SDWWTP - Miami FL	TJ Potok		(305) 274-9272	See Attached Detail CV - Thad Buckley	X	100%	1800	1440	135,000,000	127,000,000	
South District WWTP Fat, Oil & Grease Septage Facility	Miami-Dade Water & Sewer Department	SDWWTP - Miami FL	TJ Potok		(305) 274-9272	See Attached Detail CV - Thad Buckley	X	100%	720	800	17,000,000	16,800,000	
Belle Glade Wastewater Treatment Plant Improvements	Palm Beach County	Belle Glade, FL	Jackie Michaels		(561) 493-6000	See Attached Detail CV - Thad Buckley	X	100%	540	600	1,650,000	1,699,000	
Hollywood Water Treatment Plant Electrical Power Generator System Expansion	City of Hollywood	Hollywood WTP - Hollywood Blvd - FL	Fenf (Jeff) Jiang	Fjiang@hollywoodfl.org	954-921-3930	See Attached Detail CV - Thad Buckley	X	100%	540	540	1,750,000	1,710,000	
Hollywood Water Treatment Plant Membrane Replacement	City of Hollywood	Hollywood WTP - Hollywood Blvd - FL	Fenf (Jeff) Jiang	Fjiang@hollywoodfl.org	954-921-3930	See Attached Detail CV - Thad Buckley	X	100%	360	300	1,700,000	1,752,000	
Wastewater Repump Stations A, B & E Rehabilitation	City of Fort Lauderdale	Various Locations	Walt Schwartz		(954) 426-6311	See Attached Detail CV - Thad Buckley	X	100%	720	720	11,000,000	11,256,000	
G.T. Lohmeyer WWTP Pumping System Improvements	City of Fort Lauderdale	Eisenhower Blvd	Walt Schwartz		(954) 426-6311	See Attached Detail CV - Thad Buckley	X	100%	720	800	8,300,000	8,670,000	
Waste Management CNG Fueling Facility, Waste Management	Waste Management	Pompanp Beach, FL				See Attached Detail CV - Thad Buckley	X	100%	270	270	1,820,000	1,820,000	
Peele-Dixie Membrane Plant, City of Fort Lauderdale, FL	City of Fort Lauderdale	State Road 7, Fort Lauderdale, FL	Janeen Wietgrefe	Jwietgrefe@hazenandsawyer.com	(954) 987-0066	See Attached Detail CV - Thad Buckley	X	100%	860	1080	26,500,000	27,300,00	
Southern Regional WWTP Oxygen System Upgrade	City of Hollywood	Hollywood WWTP - Taft Street - FL	Fenf (Jeff) Jiang	Fjiang@hollywoodfl.org	954-921-3930	See Attached Detail CV - Thad Buckley	X	100%	600	680	10,300,000	10,500,000	
Fiveash Water Treatment Plant Upgrades - Phase 1	City of Fort Lauderdale	Powerline Road, Fort Lauderdale FL	George Brown	Brown, George A. <gbrown@hazenandsawyer.com>	(954) 987-0066	See Attached Detail CV - Thad Buckley	X	100%	1080	1080	12,040,000	12,500,000	
Fiveash Water Treatment Plant Filter Rehabilitation	City of Fort Lauderdale	Powerline Road, Fort Lauderdale FL	George Brown	Brown, George A. <gbrown@hazenandsawyer.com>	(954) 987-0066	See Attached Detail CV - Thad Buckley	X	100%	270	360	1,800,000	2,400,000	
G.T. Lohmeyer WWTP Effluent Pump Station	City of Fort Lauderdale	Eisenhower Blvd	Walt Schwartz		(954) 426-6311	See Attached Detail CV - Thad Buckley	X	100%	270	360	1,800,000	2,400,000	
Glades Road WTP 40-mgd Membrane Softening Process Addition	City of Boca Raton	Glades Road WTP	Frank Brinson Chris Helfrich	Frank Brinson fbrinson@mccaffertybrinson.com Chelfrich@myboca.us	(954) 797-7100 (561) 338-7300	See Attached Detail CV - Thad Buckley	X	100%	1260	1440	48,200,000	49,600,000	
Glades Road Sodium Hypochlorite Generation System	City of Boca Raton	Glades Road WTP	Frank Brinson	Frank Brinson fbrinson@mccaffertybrinson.com	(954) 797-7100	See Attached Detail CV - Thad Buckley	X	100%	540	540	3,804,000	4,002,300	

X - As PM, VP or RM of P&K/MWHC See Attached Resume

On-Going & Completed Project Experience & Reference List

Updated **4/1/2026 16:13**

Project Name	Owner	Address	Contract Contact	Email Address	Phone #	Nature of Work	X	% Cmplt	Orig. Days	Final Days	Orig. $	Current / Final $	Projected/ Actual SC
SEE ATTACHED FOR ADDITION RELATED PROJECTS													

ATTACHMENT A
PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:
That we _____,
Name Address Tel. No.
as Principal, and _____
Name Address Tel. No.
as Surety, are held and firmly bound unto the City of Hollywood in the sum of _____ Dollars ($_____), for the payment of said sum we bind ourselves, our heirs, executors, administrators and assigns, jointly and severally, for the faithful performance of a certain written contract, dated the _____day of _____, 20_____ entered into between the Principal and the City of Hollywood, Florida, for the installation of **Temporary Sodium Hypochlorite System, City Project No. 24-9122.**

A copy of said Contract, **No. 24-9122** is incorporated herein by reference and is made a part hereof as if fully copied herein.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that if the Principal shall in all respects comply with the terms and conditions of said Contract and his obligations thereunder, including all of the Contract Documents (that include the Introduction, Special Terms and Conditions, Scope of Services, General Terms & Conditions, Submittal Checklist Form, Instructions to Bidders, Proposal, Proposal Bid Form, Basis of Payment, Bid Guaranty Form , Trench Safety Form, Information Required from Bidders, Vendor Reference Forms, Hold Harmless and Indemnity Clause, Non-Collusion Affidavit, Sworn Statement…Public Entity Crimes, Certifications Regarding Debarment… , Drug-Free Workplace Program, Solicitation, Giving, and Acceptance…, Contract, Performance Bond, Payment Bond, General and Supplementary General Conditions, Technical Specifications, Addenda and Drawings), therein referred to and made a part thereof, and such alterations as may be made in said Drawings and Specifications as therein provided for, and shall indemnify and save harmless the City of Hollywood against and from all expenses, damages, injury or conduct, want of care of skill, negligence or default, including patent infringement on the part of said Principal, his agents or employees, in the execution or performance of said Contract, including errors in the Drawings furnished by said Principal, and further, if the Principal shall promptly make payments to all who supply him, with labor and/or materials, used directly or indirectly by the Principal in the prosecution of the work provided for in said Contract, then this obligation shall be null and void; otherwise, the Principal and Surety, jointly and severally, agree to pay the City of Hollywood any difference between the sum that the City of Hollywood may be obliged to pay for the completion of said work, by Contract or otherwise, and the sum that the City of Hollywood would have been obliged to pay for the completion said work had the Principal properly executed all of the provisions of said Contract, and any damages, whether direct, indirect, or consequential, which the City of Hollywood may incur as a result of the failure of the said Principal to properly execute all of the provisions of said Contract.

AND, the said Principal and Surety hereby further bind themselves, their successors, executors, administrators and assigns, jointly and severally, that they will amply and fully protect the City of Hollywood against, and will pay any and all amounts, damages, costs and judgments which may be recovered against or which the Owner may be called upon to pay to any person or corporation by reason of any damage arising from the performance of the said work, repair or maintenance thereof, or the manner of doing the same, or his agents or his servants, or the infringements of any patent rights by reason of the use of any material furnished or work done, as aforesaid or otherwise.

AND, the said Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or the Specifications and Drawings accompanying the same, shall in any way affect its obligations on this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work or to the Specifications and Drawings.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

_____ _____
(Witness) (Signature of Individual)

_____ _____
(Address) (Printed Name of Individual)

_____
(Witness)

_____
(Address)

WHEN THE PRINCIPAL IS A SOLE PROPRIETORSHIP OR OPERATES UNDER A TRADE NAME:

Signed, sealed and delivered in the presence of:

_____ _____
(Witness) (Name of Firm)

_____ By: _____(Seal)
(Address) (Signature of Individual)

_____
(Witness)

_____
(Address)

****

WHEN THE PRINCIPAL IS A PARTNERSHIP:

Signed, sealed and delivered in the presence of:

_____ (Witness)

_____ (Address)

_____ (Witness)

_____ (Address)

_____ (Name of Partnership)

By: _____(Seal) (Partner)

_____ (Printed Name of Partner)

****

WHEN THE PRINCIPAL IS A CORPORATION:

Attest:

_____ (Secretary)

_____ (Name of Corporation)

By: _____(Seal) (Affix Corporate Seal)

_____ (Printed Name)

_____ (Official Title)

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the Secretary of the corporation named as Principal in the within bond; that _____, who signed the said bond on behalf of the Principal was then _____ of said corporation; that I know his signature, and his signature thereto is genuine; and that said Bond was duly signed, sealed and attested for and on behalf of said corporation by authority of its governing body.

_____ (SEAL)
Secretary

TO BE EXECUTED BY CORPORATE SURETY

Attest:

_____ _____
(Secretary) (Corporate Surety)

_____
(Business Address)
_____

By: _____
(Affix Corporate Seal)

_____
(Attorney-In-Fact)

_____
(Name of Local Agency)

_____
(Business Address)

_____

STATE OF FLORIDA

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared, _____ to me well known, who being by me first duly sworn upon oath, says that he is the attorney-in-fact for the _____ and that he has been authorized by _____ to execute the foregoing bond on behalf of the CONTRACTOR named therein in favor of the City of Hollywood, Florida.

Subscribed and sworn to before me this _____ day of _____, 20_____.

_____
Notary Public, State of Florida

My Commission Expires:

****

APPROVED AS TO FORM : APPROVED AS TO FINANCE:

By _____ By _____
Douglas R. Gonzales Stephanie Tinsley
City Attorney Financial Services Director

- END OF SECTION -

ATTACHMENT A
CONTRACT

THIS AGREEMENT, made and entered into, this ____ day of _____, A.D., ____, by and between the CITY OF HOLLYWOOD, Florida, a municipal corporation of the State of Florida, part of the first part, (hereinafter sometimes called the "CITY"), and

party of the second part (hereinafter sometimes called the "CONTRACTOR").

WITNESSETH: The parties hereto, for the considerations herein-after set forth, mutually agree as follows:

Article 1. Scope of Work: The CONTRACTOR shall furnish all labor, materials, and equipment and perform all work in the manner and form provided by the Contract Documents, for:

TEMPORARY SODIUM
HYPOCHLORITE SYSTEM
CITY PROJECT NO. 24-9122

Article 2. The Contract Sum: The CITY shall pay to the CONTRACTOR, for the faithful performance of the Contract, in lawful money of the United States of America, and subject to additions and deductions as provided in the Contract Documents, as follows:

Based upon the prices shown in the Proposal heretofore submitted to the CITY by the CONTRACTOR, a copy of said Proposal being a part of these Contract Documents, the aggregate amount of this Contract being the sum of

Article 3. Partial and Final Payments: In accordance with the provisions fully set forth in the "General Conditions" of the "Specifications", and subject to additions and deductions as provided, the CITY shall pay the CONTRACTOR as follows:

(a) On the 15th day, or the first business day thereafter, of each calendar month, the CITY shall make partial payments to the CONTRACTOR on the basis of a duly certified and approved estimate of work performed during the preceding calendar month by the CONTRACTOR, less five percent (5%) of the amount of such estimate which is to be retained by the CITY until all work has been performed strictly in accordance with this Agreement and until such work has been accepted by the CITY. The parties' rights and obligations regarding retainage are further specified in Sections 2s18.735 and 255.078, Florida Statutes, as applicable.

(b) Upon submission by the CONTRACTOR of evidence satisfactory to the CITY that all payrolls, material bills and other costs incurred by the CONTRACTOR in connection with the construction of the WORK have been paid in full, and also, after all guarantees that may be required in the Specifications have been furnished and are found acceptable by the CITY, final payment on account of this Agreement shall be made within sixty (60) days after

completion by the CONTRACTOR of all work covered by this Agreement and acceptance of such work by the ENGINEER and approved by the CITY.

Article 4. Time of Completion: The CONTRACTOR shall commence work to be performed under this Contract within ten (10) consecutive calendar days after date of written Notice To Proceed and shall fully complete the Contract in accordance within the Contract Documents and meet all intermediate milestone completion dates required after said date of written notice as set forth in the Proposal, as may be modified by Instructions to Bidders, and stated in the Notice to Proceed.

It is mutually agreed between the parties hereto, that time is the essence, and in the event that construction of the WORK is not completed within the Contract Time and per intermediate dates, as may have been modified solely in accordance with the General Conditions of this Contract, that from the compensation otherwise to be paid to the CONTRACTOR, the CITY is authorized and shall retain, for each day thereafter, Sundays and holidays included, the sum set forth in the Supplementary General Conditions of this Contract as liquidated damages sustained by the CITY in the event of such default by the CONTRACTOR, or shall withhold such compensation for actual and consequential damages as my be stated therein or contemplated therefrom.

Article 5. Additional Bond: It is further mutually agreed between the parties hereto, that if, at any time after the execution of this Agreement and the Payment and Performance Bonds required herein for the express purpose of assuring the faithful performance of the Contractor's work hereto attached, the CITY shall deem the surety or sureties' to be unsatisfactory, or, if for any reason, said bonds cease to be adequate to cover the performance of the work, the CONTRACTOR shall, at his expense, within five (5) days after receipt of notice from the CITY furnish an additional bond or bonds in such form and amount, and with such surety or sureties as shall be satisfactory to the CITY. In such event, no further payment to the CONTRACTOR shall be deemed to be due under this agreement until such new or additional security for the faithful performance of the work shall be furnished in manner and form satisfactory to the CITY.

Article 6. Contract Documents: All of the documents hereinafter listed form the Contract and they are as fully a part of the Contract as if hereto attached, or repeated in this Agreement:

1.	Introduction	15.	General Terms and Conditions
2.	Special Terms and Conditions	16.	Scope of Services
3.	Submittal Checklist Form	17.	Contract
4.	Acknowledgement and Signature Page	18.	Drug-Free Workplace Program
5.	Bid Form	19.	Solicitation, Giving, and Acceptance…
6.	Vendor Reference Form	20.	W-9 (Request for Taxpayer Identification)
7.	Hold Harmless and Indemnity Clause	21.	Performance Bond
8.	Proposal	22.	Payment Bond
9.	Non-Collusion Affidavit	23.	General Conditions, Public Utilities
10.	Sworn Statement…Public Entity Crimes	24.	Supplementary General Conditions
11	Information Required from Bidders	25.	Addenda
12.	Certifications Regarding Debarment…	26.	Specifications

13.	Trench Safety Form	27.	Drawings
14.	Bid Guaranty Form	28.	List of Subcontractors

Article 7. The rate of wages and fringe benefits, or cash equivalent, for all laborers, mechanics and apprentices employed by any contractor or subcontractor on the work covered by the contract shall be not less than the prevailing rate of wages and fringe benefit payments or cash equivalent for similar skills or classifications of work as established by the General Wage Decision by the United States Department of Labor for Broward County, Florida that is in effect prior to the date the city issues its invitation for bids. If the General Wage Decision fails to provide for a fringe benefit rate for any worker classification, then the fringe benefit rate applicable to the worker classification shall be the fringe benefit rate applicable to the worker classification with a fringe benefit rate that has a basic hourly wage closest in dollar amount to the worker classification for which no fringe benefit rate has been provided.

Article 8. No additional work or extras shall be performed unless the same be duly authorized by appropriate action of the City.

Article 9. That in the event either party brings suit for enforcement of disagreement, the prevailing party shall be entitled to attorney's fees and court costs in addition to any other remedy afforded by law.

Article 10. The Contractor shall guarantee the complete project against poor workmanship and faulty materials for a period of twelve (12) months after final payment and shall immediately correct any defects which may appear during this period upon notification by the City or the Engineer.

Article 11. The making and acceptance of the final payment shall constitute a waiver of all claims by the Contractor, except those previously made and still unsettled.

****

IN WITNESS WHEREOF the parties hereto have executed this Agreement on the day and date first above written in three (3) counterparts, each of which shall, without proof or accounting for the other counterparts, be deemed an original contract:

THE CITY OF HOLLYWOOD, FLORIDA
Party of the First Part

By: _____ (SEAL)
JOSH LEVY, MAYOR

ATTEST:

_____
PATRICIA A. CERNY, MMC
City Clerk

****

CONTRACTOR
Party of the Second Part

WHEN THE CONTRACTOR IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

_____	_____ (SEAL)
(Witness)	(Signature of Individual)
_____	_____
(Witness)	(Signature of Individual)

****

WHEN THE CONTRACTOR IS A SOLE PROPRIETORSHIP OR OPERATES UNDER A TRADE NAME:

Signed, sealed and delivered in the presence of:

_____	_____
(Witness)	(Name of Firm)
_____	_____ (SEAL)
(Witness)	(Signature of Individual)

****

WHEN THE CONTRACTOR IS A PARTNERSHIP:

_____	_____
(Witness)	(Name of Firm) a Partnership
_____	BY: _____ (SEAL)
(Witness)	(Partner)

****

WHEN THE CONTRACTOR IS A CORPORATION:

Attest:

_____
Secretary

_____
(Correct Name of Corporation)

BY: _____ (SEAL)
President

****

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY
for the use and reliance of the
City of Hollywood, Florida only:

By _____
DOUGLAS R. GONZALES
City Attorney

APPROVED AS TO FINANCE:

By _____
David E. Keller
Financial Services Director

CERTIFICATE

STATE OF FLORIDA)
COUNTY OF BROWARD)

I HEREBY CERTIFY that a meeting of the Board of Directors of_____, a corporation under the laws of the State of _____, was held on _____, 20__, and the following resolution was duly passed and adopted:

> "RESOLVED, that _____ as _____ President of the corporation, be and he is hereby authorized to execute the contracts on behalf of this corporation, and that his execution thereof, attested by the Secretary of the corporation and with corporate seal affixed, shall be the official act and deed of this corporation."

I further certify that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the corporation, this _____ day of _____, 20__.

_____
Secretary

- END OF SECTION -

ATTACHMENT A
PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, _____
Name Address Tel. No.

As Principal and _____
Name Address Tel. No.
as Surety, are held and firmly bound to the CITY OF HOLLYWOOD, FLORIDA herein called the City, in the sum of _____

_____ Dollars ($ _____) for the payment of said sum we bind ourselves, our heirs, executors, administrators and assigns, jointly and severally, for the faithful performance of a certain written contract dated the _____ day of _____, 20_____, entered into between the Principal and the City of Hollywood, Florida for the **Temporary Sodium Hypochlorite System, City Project No. 24-9122**

Which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

THE CONDITION of this bond is that if Principal promptly makes payments to all claimants defined in Section 255.05 (1), F.S., supplying Principal with labor, materials or supplies used directly or indirectly by principal in the prosecution of the work provided for in the Contract, then this bond shall be null and void and of no further force and effect; otherwise to remain in full force and effect.

Said surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or any other changes in or under contract documents and compliance or noncompliance with any formalities connected with the contract does not affect Surety's obligation under this bond and Surety waives notice of any such change, extension of time, alteration or addition to the terms of the Contract or any other changes, compliance, or noncompliance to the terms of the Contract or to the Work or to the Specifications.

This bond is furnished pursuant to the statutory requirements for bond on public works projects being Florida Statute 255.05. Claimants are hereby notified that the Statute 255.05(2) specifically requires that notice be given to Contractor within 45 days after beginning to furnish labor, materials or supplies for the prosecution of the work that claimants intends to look to the bond for protection. Further notice is hereby given claimants that written notice of nonpayment within ninety (90) days after performance of the labor or after complete delivery of the materials or supplies must be delivered to the Contractor and to the Surety. Further notice is hereby given that no action for labor, materials or supplies may be instituted against the Contractor or the Surety on the bond after one year for the performance of the labor or completion of delivery of the materials or supplies.

Without modifying the foregoing, this bond shall be construed as requiring of the principal and surety no more and no less than is specified in F.S. 255.050.

SIGNED AND SEALED, this _____ day of _____, 20___.

PRINCIPAL:

ATTEST:

_____ _____
(Signature)

_____ _____
(Title)

(SEAL)

SURETY:

_____
(Surety)

ATTEST:

_____ _____
(Signature)

_____ _____
(Attorney-in-Fact)

****

APPROVED AS TO FORM :

By _____
Douglas R. Gonzales
City Attorney

APPROVED AS TO FINANCE:

By _____
Stephanie Tinsley
Financial Services Director

- END OF SECTION -

ATTACHMENT B

GENERAL CONDITIONS, PUBLIC UTILITIES

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ATTACHMENT B
GENERAL CONDITIONS, PUBLIC UTILITIES

CITY OF HOLLYWOOD, FLORIDA
GENERAL CONDITIONS
FOR CONSTRUCTION CONTRACTS

ARTICLE 1 - DEFINITIONS

In the interpretation of these Contract Documents the following terms shall have the meaning indicated:

ADDENDA - Written or graphic instruments issued prior to the opening of Bids which clarify, correct or change the Contract Documents.

CHANGE ORDER - A written order to CONTRACTOR executed in accordance with City procurement procedures, as amended authorizing an addition, deletion or revision in the work, or an adjustment in the Contract Price or the Contract Time, issued after the date of Award.

CITY (OWNER) - The City of Hollywood, Florida.

COMMISSION - The City Commission of the City of Hollywood, Florida, being the legislative body of the CITY as set forth in the City of Hollywood Charter.

CONTRACT - The written agreement between the CITY and the CONTRACTOR covering the work to be performed in accordance with the other Contract Documents which are attached to the Contract and made a part thereof.

CONTRACTOR - The person, firm, or corporation with whom the CITY has entered into the Contract.

CONTRACT DOCUMENTS - The Notice to Bidders, Instruction to Bidders, Proposal, Information Required of Bidders, all Bonds, Agreement, and all supporting documents, these General Requirements and Covenants, the Specifications, Drawings and Permits, together with all Addenda and Change Orders issued with respect thereto.

CONTRACT PRICE - Total monies payable by the CITY to the CONTRACTOR under the terms and conditions of the Contract Documents.

CONTRACT TIME - The number of days agreed to in the Proposal, commencing with the date of the Notice to Proceed for completion of the work.

CONTROL - shall mean having the primary power, direct or indirect, to influence the management of a business enterprise. The controlling party must have the demonstrable ability to make independent and unilateral business decisions on a day-to-day basis, as well as the independent and unilateral ability to make decisions which may influence and chart the future course of the business.

DATE OF SUBSTANTIAL COMPLETION - The date when the work on the project, or specified part thereof, is substantially completed in accordance with the Contract Documents, such that

the CITY can occupy or utilize the project or specified part thereof for the use and purpose for which it was intended as determined and accepted by the Engineer.

DAYS - Calendar days of 24 hours measured from midnight.

DRAWINGS - The drawings which show the character and scope of the work to be performed and which have been prepared by the DESIGN ENGINEER approved by ENGINEER and are referred to in and are a part of the Contract Documents.

ENGINEER - The Director of Public Utilities of the CITY of Hollywood, Florida, or his authorized designee.

EXCUSABLE DELAY - Delay caused by the CITY, hurricane, tornadoes, fires, floods, epidemics or labor strikes.

GENERAL CONDITIONS - That segment of the Contract Specifications incorporating the Provisions common to all CITY Construction Contracts.

INEXCUSABLE DELAY - Any delay caused either (i) by events or circumstances within the control of the CONTRACTOR not specified in the definition of excusable delay.

INSPECTOR - The authorized field representative of the ENGINEER.

LIQUIDATED DAMAGES - The amount prescribed in the General Requirements to be paid the CITY, or to be deducted from any payments due the CONTRACTOR for each day's delay in completing the whole or any specified portion of the work beyond the Contract Time.

NOTICE OF AWARD - The written notice by the CITY to the successful Bidder stating that upon his execution of the Agreement and other requirements as listed therein within the time specified the CITY will sign and deliver the Agreement.

NOTICE TO PROCEED - A written notice by the ENGINEER to the CONTRACTOR fixing the date on which the Contract Time will commence to run and on which the CONTRACTOR shall start to perform his obligation under the Contract Documents.

"OR EQUAL" - Equivalent or superior in construction, efficiency and effectiveness to a type, brand, model or process called out in the Contract Documents to establish a basis of quality as determined by the ENGINEER.

SHOP DRAWINGS - All certified affidavits, drawings, diagrams, illustrations, schedules and other data which are specifically prepared by CONTRACTOR, a Subcontractor, manufacturer, fabricator, supplier or distributor to illustrate some portion of the work and all illustrations, brochures, standard schedules, performance charts, instructions, diagrams and other information prepared by a manufacturer, fabricator, supplier or distributor and submitted by CONTRACTOR to illustrate material or equipment for some portion of the WORK.

SPECIFICATIONS - Division 1 through 17 of these Contract Documents, consisting of administrative details and written technical descriptions of materials, equipment, standards and workmanship.

SUPPLEMENTARY CONDITIONS - Division 1 of the Contract Specifications incorporating the provisions peculiar to a specific project.

SUBCONTRACTOR - An individual, firm or corporation having a direct contract with CONTRACTOR or with any other Subcontractor for the performance of a part of the work

SURETY - The person, firm or corporation responsible for the Bidder's acts in the execution of the Contract, or which is bound to the CITY with and for the CONTRACTOR to insure performance of the Contract and payment of all obligations pertaining to the work.

WORK - All the work materials or products specified, indicated, shown or contemplated in the Contract Documents to construct and complete the improvement, including all alterations, modifications, amendments or extension thereto made by Change Orders.

ARTICLE 2 - ORGANIZATIONAL ABBREVIATIONS

Abbreviations of organizations which may be used in these Specifications are:

AASHTO: American Association of State Highway and Transportation Officials

ACI: American Concrete Institute

AIA: American Institute of Architects

AISC: American Institute of Steel Construction

AITC: American Institute of Timber Construction

ANSI: American National Standards Institute

APWA: American Public Works Association

ASTM: American Society for Testing and Materials

ASCE: American Society of Civil Engineers

ASME: American Society of Mechanical Engineers

ASHRAE: American Society of Heating, Refrigerating and Air Conditioning Engineers

AWPA: American Wood Preservers Association

AWWA: American Water Works Association

AWS: American Welding Society

BCEQCB: Broward County Environmental Quality Control Board

CRSI: Concrete Reinforcing Steel Institute

FDEP: Florida Department of Environmental Protection

FDNR: Florida Department of Natural Resources

FDOT: Florida Department of Transportation

FPL: Florida Power and Light

IEEE: Institute of Electrical and Electronic Engineers

NACE: National Association of Corrosion Engineers

NCPI: National Clay Pipe Institute

NEC:	National Electrical Code
NEMA:	National Electrical Manufacturers Association
NFPA:	National Fire Protection Association
OSHA:	Occupational Safety and Health Act
PCI:	Prestressed Concrete Institute
SFBC:	South Florida Building Code, Broward Edition, Latest Revision
SFWMD:	South Florida Water Management District
SSPC:	Structural Steel Painting Council
UL:	Underwriters' Laboratories, Inc.
UNCLE:	Utility Notification Center for Location before Excavation (1-800-432-4770)
USEPA:	United States Environmental Protection Agency
USGS:	United States Geological Survey
WWEMA:	Water and Wastewater Equipment Manufacturers Association

ARTICLE 3 - MISCELLANEOUS PRELIMINARY MATTERS

3.1 Contract Document Discrepancies:

Any discrepancies, conflicts, errors or omissions found in the Contract Documents shall be promptly reported to the ENGINEER who will issue a correction, if necessary, in writing. The CONTRACTOR shall comply with any corrective measures regarding the same as prescribed by the ENGINEER.

3.2 Submissions:

Unless indicated otherwise in the Contract Documents, within seven days subsequent to the CONTRACTOR executing and submitting the required documents of Article 2.13 in Section II - Special Terms and Conditions, the CONTRACTOR shall submit to the ENGINEER an estimated progress schedule indicating the starting and completion days of the various stages of the work. A preliminary Schedule of Values and a preliminary schedule of Shop Drawing submissions may also be required by Section 01300 of Division 1 - General Requirements.

3.3 Pre-construction Conference:

The Contractor will be required to attend a mandatory Pre- Construction Conference for review of the above schedules, establishing procedures and establishing a working understanding among the parties as to the work.

3.4 Contract Time:

The Contract Time will commence on the date of the Notice to Proceed and shall exist for the total number of days as specified in Attachment C – Supplementary General Conditions, Section 1, Project Schedule as modified by any subsequent Change Orders, Unless the CONTRACTOR fails to complete the requirements of Section II - Special Terms and Conditions, the additional time in days (including weekends) required to correctly complete the documents will be deducted by CITY from the Contract Time specified by the CONTRACTOR in this Proposal.

3.5 Computation of Time:

When any period of time is referred to the Contract Documents by days, it shall be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a legal holiday, such day shall be omitted from the computation.

3.6 Commencement of Work:

The CONTRACTOR shall not perform work at the site prior to the date of the Notice to Proceed.

3.7 Extension of Contract Time:

Extensions of time shall be based solely upon the effect of delays to the work as a whole. Extensions of time shall not be granted for delays to the work, unless the CONTRACTOR can clearly demonstrate, through schedule analysis, that the delay to the work as a whole arose in accordance with Article 11, Changes in Contract Time and that such delays did or will, in fact, delay the progress of work as a whole. Time extensions shall not be allowed for delays to parts of the work that are not on the critical path of the Project schedule. Time extensions shall not be granted until all float or contingency time, at the time of the delay, available to absorb specific delays and associated impacts, is used.

3.8 Notice and Service Thereof:

All notices, demands, requests, instructions, approvals and claims shall be in writing. Notices, demands, etc. shall be deemed to have been validly given if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered or certified mail, postage prepaid, to the business address as defined at the Pre-Construction Conference.

3.9 Separate Contract:

The CITY reserves the right to let other Contracts in connection with this Project. The CONTRACTOR shall afford other Contractors reasonable opportunity for the introduction and storage for their materials and the execution of their work and shall properly connect and coordinate his work with theirs.

3.10 Assignments of Contract:

No assignment by the CONTRACTOR of the Contract or of any part thereof, or any monies due or to become due thereunder shall be made.

3.11 Patents:

It is mutually understood and agreed that without exception, Contract prices are to include all royalties and costs arising from patents, trademarks, and copyrights in any way involved in the work. It is the intent that whenever the Contractor is required or desired to use any design, device, material or process covered by letters, patent, or copyright, the right for such use shall be provided for by suitable legal agreements with the Patentee or Owner and a copy of this agreement shall be filed with the ENGINEER. However, whether or not such an agreement is made or filed as noted, the CONTRACTOR and the Surety in all cases shall indemnify and save harmless the CITY from any and all claims for infringement by reason of the use of any such patented design, device, material or process, to be performed under the Contract, and shall indemnify the said CITY from any costs, expenses, and damages which it may be obliged to pay, by reason of such infringement, at any time during the prosecution or after the completion of the work.

3.12 Federal Excise Tax:

The forms needed for applying for exemption certificates for materials and equipment, normally subject to the Federal Excise Tax, may be obtained from the Director of Internal Revenue, Jacksonville, Florida.

The CONTRACTOR is solely responsible for obtaining the desired exemption certificate from the Federal Government.

3.13 Savings Due to Excise Tax Exemptions:

The Bidder shall include in the Bid price the estimated cost of all goods, supplies and equipment which will be incorporated in the Work and the taxes that the Bidder would be required to pay if the Bidder were to purchase such goods, supplies or equipment. By subsequent Change Order(s), the parties shall reduce the Bid price to reflect any goods, supplies and equipment purchased directly by City and the resulting tax savings due to City's exemption from Excise Taxes.

CONTRACTOR shall pay all sales, consumer, use and other similar taxes required to be paid by CONTRACTOR in accordance with the laws and regulations of the State of Florida and its political subdivisions. Consistent with the tax exemption for municipalities provided by state law, CITY and CONTRACTOR shall jointly operate so that CITY may purchase directly, goods, supplies and equipment which will be incorporated into the Work. The goods, supplies and equipment that will be purchased by CITY shall be approved in advance by the parties.

With respect to all goods, supplies and equipment to be purchased by CITY, CONTRACTOR shall, on behalf of CITY, take all actions necessary and appropriate to cause all purchases to be made and shall be responsible for delivery of all such goods, supplies and equipment, including verification of correct quantities and documents or orders, coordination of purchases and delivery schedules, sequence of delivery, unloading, handling and storage through installation, obtaining warranties and guarantees required by the Contract Documents, inspection and acceptance of the goods, supplies and equipment at the time of delivery, and other arrangements normally required for the particular goods, supplies or equipment purchased. Unless otherwise directed by CITY, such actions shall also include taking the lead in efforts to resolve any and all disputes with the vendor. CONTRACTOR shall ensure that each vendor of goods, supplies and equipment purchased by CITY agrees in writing to the terms and conditions contained in CITY'S standard purchase order, which terms and conditions are set forth in Attachment C - Supplementary General Conditions of the Contract Documents. Even though CITY may purchase such goods, supplies and equipment, the goods, supplies and equipment shall be stored at the site in the same manner as goods, supplies and equipment purchased by CONTRACTOR.

CONTRACTOR shall hold CITY harmless from delays in manufacturing, delivery, and other unforeseen conditions that may arise as part of the procurement of CITY-purchased goods, supplies and equipment.

3.14 Overtime Work:

The CONTRACTOR shall receive no additional compensation for overtime work, i.e., work in excess of eight hours in any one calendar day or 40 hours in any one calendar week, even though such overtime work may be required under emergency conditions and may be ordered by the ENGINEER in writing. Additional compensation will be paid the CONTRACTOR for overtime work only in the event extra work is ordered by the ENGINEER and the Change Order specifically authorizes the use of overtime work and then only to such extent as overtime wages are regularly being paid by the CONTRACTOR for overtime work of a similar nature in the same locality.

3.15 Inspections and Testing during Overtime:

The CONTRACTOR shall establish a normal work schedule which does not exceed eight hours per day in a normal work day nor 40 hours per week in a normal work week. Normal work days shall be Monday through Friday. Whenever CONTRACTOR's work requires scheduled overtime, unless such overtime work is specifically required by the Contract Documents, CONTRACTOR shall reimburse the CITY for the extra costs incurred for providing Inspectors. Overtime shall be scheduled only after CONTRACTOR obtains written permission from the CITY. A change order shall be prepared to cover the CITY costs. Inspector costs shall be charged to the CONTRACTOR at a rate of $80.00 per hour with a minimum of four hours charged for weekends and holidays. If the CONTRACTOR has an overtime work force size of fifty or more persons a second Inspector will be required and the costs for two Inspectors will be $160.00 per hour.

3.16 Nights, Sunday or Holiday Work:

Except upon specific permission of the ENGINEER, the CONTRACTOR shall not perform any work on Sundays or on legal State or Municipal holidays. In accordance with City of Hollywood Code of Ordinances, Section 21.49, no work between 6:00 p.m. and 8:00 a.m. will be permitted, except in case of an emergency, that violates Section 21.49 concerning noise levels. All costs of testing and inspection performed during night, Sunday or holiday work shall be borne by the CONTRACTOR. The CONTRACTOR shall notify all regulatory agencies, including but not limited to the City Police Department, Fire Department, and Code Enforcement Department.

3.17 Injury or Damage Claims:

Should CITY or CONTRACTOR suffer injury or damage to their person or property because of any error, omission or act of the other party or of any of the other party's employees or agents or others for whose acts the other party is legally liable, claim shall be made in writing to the other party within a reasonable time of the first observance of such injury or damage. However, nothing herein shall be deemed to affect the rights, privileges and immunities of City as are set forth in Section 768.28, Florida Statutes.

ARTICLE 4 - CONTRACT DOCUMENTS

4.1 Intent:

The Contract Documents comprise the entire Agreement between the CITY and CONTRACTOR concerning the work. The Contract Documents can be altered only by Change Order. The Contract Documents are complementary; what is called for by one is as binding as if called for by all. It is the intent of the Contract Documents that the CONTRACTOR, for due consideration, shall furnish all equipment, material, supervision and labor, (except as may be specifically noted otherwise) required or necessary to complete the work in total accordance with said Documents. It is the intent of the Drawings and Specifications to describe the Project to be constructed in accordance with the Contract Documents. Any work that may reasonably be inferred from the Drawings or Specifications as being required in order to produce the intended result shall be supplied whether or not it is specifically called for.

4.2 Order of Precedence of Contract Documents:

In resolving differences resulting from conflicts, errors or discrepancies in any of the following Contract Documents, the order of precedence shall be as follows:

1. Permits
2. Change Orders
3. Contract Agreement
4. Specification
5. Drawings

Within the Specifications the order of precedence is as follows:

1. Addenda
2. Section I - Introduction
3. Section II – Special Terms and Conditions
4. General Terms & Conditions
5. Attachment C- Supplementary General Conditions
6. Attachment B - General Conditions
7. Division 1, General Requirements
8. Technical Specifications
9. Referenced Standard Specifications

With reference to the Drawings the order of precedence is as follows:

1. Figures Govern over Scaled Dimensions
2. Detail Drawings Govern over General Drawings
3. Change Order Drawings Govern over Contract Drawings
4. Contract Drawings Govern over Standard or Shop Drawings

4.3 Reference To Standards:

Any reference to standard Specifications, manuals or codes of any organization or governmental authority shall mean the latest edition, in effect as of the Bid Opening Date.

ARTICLE 5 - BONDS AND INSURANCE

5.1 Bid Guarantee:

Bidders maybe required to submit a Bid Guarantee in an amount indicated in the SECTION II - SPECIAL TERMS AND CONDITIONS. This Guarantee may be a Certified or Cashier's Check on a solvent National or State Bank, or a Bid Bond written by a Surety licensed to do business in Florida and rated at least "A", Class X in the latest edition of "Best's Key Rating Guide" published by A.M. Best Company.

5.2 Performance and Payment Bond:

CONTRACTOR shall furnish Performance and Payment Bonds, in amounts equal to the Contract Price as Security for the faithful performance and payment of CONTRACTOR's obligations. The Bond or Bonds shall remain in effect one year after the date of final payment. The Surety must be qualified as specified above in Paragraph 5.1. However, the City reserves the right to require additional bonds as set forth in Article 5 of the Contract.

5.3 Signatures:

All Bonds signed by an Agent must be accompanied by a Certified copy of the authority to act, with said copy having been signed (not typed nor printed) by an Officer of the Surety and carrying the seal of the Surety.

5.4 Insurance Coverage:

Within ten days from Notice of Award the CONTRACTOR shall purchase and maintain such insurance as specified in Article 2.25 of Section II – Special Terms and Requirements as will protect him from claims set forth below which may arise out of or result from the CONTRACTOR's operations under the Contract or Contract Documents, whether such operations be by himself or by any Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable.

5.5 Certificates of Insurance:

Within ten days of award, the Contractor shall obtain a Certificate of Insurance reflecting the necessary coverages as required by the Contract Documents. Certificates of Insurance shall contain a provision that coverages afforded under the policies will not be canceled until at least 30 days prior written notice has been given to the CITY. The City of Hollywood must be named as additional insured on all coverage with the exception of Workmen's Compensation. Policies shall be issued by companies authorized to do business under the Laws of the State of Florida. Policyholders and Financial Ratings must be no less than "A" and Class X respectively in the latest edition of "Best Key Rating Guide", published by A.M. Best Company.

5.6 Insurance Limits of Liability:

The insurance required by this Article shall be written for no less than the level of liability specified in "Insurance Requirements", Section 2 of the Supplementary General Conditions, or required by law, whichever is greater. The insurance shall include contractual liability insurance applicable to the CONTRACTOR's obligations under this contract.

The level required in Section 2 of the Supplementary General Conditions will not be reduced for any reason.

ARTICLE 6 - AVAILABILITY OF LAND; REFERENCE POINTS

6.1 Rights-of-Way:

Lands or Rights-of-Way for the work to be constructed under the Contract will be provided by the CITY. Nothing contained in the Contract Documents shall be interpreted as giving the CONTRACTOR exclusive occupancy of the lands or Rights-of-Way provided. Any additional lands or Rights-of-Way required for construction operations shall be provided by the CONTRACTOR at his own expense; provided, that the CONTRACTOR shall not; and the CITY nor the ENGINEER shall not be liable for any claims or damages resulting from the CONTRACTOR's unauthorized trespass or use of any such properties.

6.2 Permits:

When required by Article 2.16 of the Section II – Special Terms and Conditions, the CONTRACTOR shall secure, from the agencies having jurisdiction, the necessary permits to create obstructions, to make excavations if required under the Contract, and to otherwise encroach upon Rights-of-Way, and to present evidence to the ENGINEER that such permission has been granted, before work is commenced. Regulations and requirements of all agencies concerned shall be strictly adhered to in the performance of the Contract. The enforcement of such requirements under the Contract shall not be made the basis for additional compensation.

6.3 Lines and Grades:

The CONTRACTOR shall furnish all grades and all other lines required for the proper execution of the work.

ARTICLE 7 - CONTRACTOR'S RESPONSIBILITIES

7.1 Laws/Regulations to Be Observed:

The CONTRACTOR shall familiarize himself and comply with all Federal, State, County and CITY laws, by-laws, ordinances or regulations controlling the action or operation of those engaged or employed in the work or affecting material used, and govern himself in accordance with them. He shall indemnify and save harmless the CITY and all of its officers, agents and employees against any claims or liability arising from or based on the violation of any such laws, by-laws, ordinances, regulations, orders or decrees, whether by himself or his employees or Subcontractors.

7.2 Indemnification of City:

(a) Refer to ARTICLE 1.46 – INDEMNIFICATION AND HOLD HARMLESS AGREEMENT of Section IV – General Terms and Conditions.

(b) Refer to ARTICLE 1.47 – PATENT AND COPYRIGHT INDEMNIFICATION of Section IV – General Terms and Conditions.

(c) The provisions of (a) and (b) above shall survive the expiration or earlier termination of the Contract Documents.

7.3 Guarantee of Payments:

The CONTRACTOR guarantees the payments of all just claims for materials, supplies, tools, labor and other just claims against him, or any Subcontractor in connection with this Contract, and his bond will not be released by final acceptance and payment by the CITY unless all such claims are paid or released.

7.4 Permits and Licenses:

The CONTRACTOR shall obtain all permits and licenses required by the Contract Documents. A copy of the permit(s) and such conditions and requirements thereon are a part of the Contract Documents. Failure to obtain such permits or licenses shall subject the CONTRACTOR to the provisions of the South Florida Building Code, Broward Edition.

7.5 Emergencies:

In emergencies affecting the safety or protection of persons or the work or property at the site or adjacent thereto, CONTRACTOR, without special instruction or authorization from ENGINEER or CITY, is obligated to act to prevent threatened damage, injury or loss. CONTRACTOR shall give ENGINEER prompt written notice of any significant changes in the work or deviations from the Contract Documents caused thereby.

7.6 Substitutes or "Or Equal":

A. Substitutes or "Or-Equal" Materials or Equipment:

Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular supplier the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by words indicating that no substitution is permitted, materials or equipment of other Suppliers may be accepted by the ENGINEER if sufficient information submitted by the CONTRACTOR to allow the ENGINEER to determine that the material or equipment proposed is equivalent or equal to that named. The ENGINEER will be allowed 30 days within which to evaluate each proposed substitute. The ENGINEER will be the sole judge of acceptability, and NO SUBSTITUTE WILL BE ORDERED, INSTALLED OR UTILIZED WITHOUT THE ENGINEER's PRIOR WRITTEN ACCEPTANCE which will be evidenced by either a Change Order or an approved set of Shop Drawings. Requests for review of substitute items of material and equipment will not be accepted by the ENGINEER from anyone other than the CONTRACTOR. The procedure for review by the ENGINEER is as follows:

If the CONTRACTOR wishes to furnish or use a substitute item of material or equipment, the CONTRACTOR shall make written application to the ENGINEER for acceptance thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as that specified. In addition, the application shall

1. State that the evaluation and acceptance of the proposed substitute will not prejudice the CONTRACTOR's achievement of completion on time.

2. State whether or not acceptance of the substitute for use in the WORK will require a change in any of the Contract Documents to adapt design to the proposed substitute. The CONTRACTOR shall be responsible for any extra design adaptation costs associated with a proposed substitute.

3. State whether or not incorporation or use of the substitute in connection with the work is subject to payment of any license fee or royalty.

4. Provide complete substitute identification and description, including manufacturer's and local distributor's name and address, performance and test data, and reference standards.

5. Provide samples, as required by ENGINEER.

6. Provide name and address of similar projects on which the proposed substitute has been used, and date of installation.
7. Identify all variations of the proposed substitute from that specified.

8. Indicate available maintenance, repair and replacement service.

9. Submit an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other Contractors affected by the resulting change. The CONTRACTOR shall be responsible for the costs of redesign and claims of other Contractors.

10. Provide any additional data about the proposed substitute as the ENGINEER may require of the CONTRACTOR.

B. Substitute means, method, technique, sequence or procedure of construction:

If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, the CONTRACTOR may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to the ENGINEER, if the CONTRACTOR submits sufficient information to allow the ENGINEER to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents. The procedure for review by the ENGINEER will be similar to that provided in Paragraph 7.6 A.

C. The CITY may require the CONTRACTOR to furnish at the CONTRACTOR's expense, a special performance guarantee or other surety with respect to any substitute.

D. The ENGINEER will record time required by the ENGINEER and/or the ENGINEER's consultants in evaluating substitutions proposed by the CONTRACTOR and in making changes in the Contract Documents occasioned thereby. Whether or not the ENGINEER accepts a proposed substitute, THE CONTRACTOR SHALL REIMBURSE THE CITY FOR THE CHARGES OF THE ENGINEER AND THE ENGINEER's CONSULTANTS FOR EVALUATING EACH PROPOSED SUBSTITUTE.

E. Any and all costs which result from changes to/adaptations of the work shall be paid by the CONTRACTOR including but limited to design, materials, installation, etc.

7.7 Shop Drawings:

Shop Drawing submittals shall be as follows:

A. The CONTRACTOR shall submit a sufficient number of copies of each Shop Drawing to enable the ENGINEER to retain three copies unless additional copies are specified in the Contract Documents. Resubmissions of Shop Drawings shall be made in the same quantity until final approval is obtained.

B. The CONTRACTOR shall submit Shop Drawings for all equipment, apparatus, machinery, fixtures, piping, fabricated structures, manufactured articles and structural components Manufacturer's Certified Affidavit that the item supplied complies with the design Specifications, and all other submittal requirements.

C. Shop Drawings for structural components, electrical or mechanical systems shall be Certified by a Registered Engineer of the discipline involved.

D. The CONTRACTOR shall thoroughly review and check the Shop Drawings, and each and every copy shall show his approval thereon. If the Shop Drawings show or indicate departures from the Contract requirements, the CONTRACTOR shall make specific mention thereof in his letter of transmittal. Failure to point out such departures shall not relieve the CONTRACTOR from his responsibility to comply with the Drawings and Specifications.

E. No approval will be given to partial submittals of Shop Drawings for items which interconnect and/or are interdependent. It is the CONTRACTOR's responsibility to assemble the Shop Drawings for all such interconnecting and/or interdependent items, check them himself and then make one submittal to the ENGINEER along with his comments as to compliance, non-compliance, or features requiring special attention.

F. If catalog sheets or prints of manufacturer's standard drawings are submitted as Shop Drawings, any additional information or changes on such Drawings shall be typewritten or lettered in ink.

G. The CONTRACTOR shall keep one set of Shop Drawings marked with the ENGINEER's approval at the job site at all times.

H. Where a Shop Drawing or sample is required by the Specifications, no related work shall be commenced until the submittal has been reviewed and approved by the ENGINEER.

I. Approval of the Shop Drawings shall constitute approval of the subject matter thereof only, and not of any structure, material, equipment or apparatus shown or indicated. The approval of the Shop Drawings will be general and shall not relieve the CONTRACTOR of responsibility for the accuracy of such Drawings, nor for the proper fitting and construction of the work, nor for the furnishing of materials or work required by the contract and not indicated on the Drawings. Approval shall not relieve the CONTRACTOR from responsibility for errors or omissions of any sort on the Shop Drawings.

7.8 Personnel:

A. Supervision and Superintendence:

1. The CONTRACTOR shall supervise and direct the work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the work in accordance with the Contract Documents. The CONTRACTOR shall be solely responsible for the means, methods, techniques, sequences and procedures of construction, but the CONTRACTOR shall not be solely responsible for the negligence of others in the design or selection of a specific means, method, technique, sequence or procedure of construction which is indicated in and required by the Contract Documents. The CONTRACTOR shall be responsible to see that the finished work complies accurately with the Contract Documents.

2. The CONTRACTOR shall keep on the work at all times during its progress a competent resident Superintendent fluent in both oral and written communication in the English language, who shall not be replaced without written notice to the ENGINEER except under extraordinary circumstances. The Superintendent will be the CONTRACTOR's representative at the site and shall have authority to act on behalf of the CONTRACTOR. All communications given to the Superintendent shall be as binding as if given to the CONTRACTOR.

B. Workforce:

1. None but skilled workers shall be employed on work requiring special qualifications. When required in writing by the ENGINEER, the CONTRACTOR or any Subcontractor shall discharge any person who is, in the opinion of the ENGINEER, incompetent, disorderly or otherwise unsatisfactory, and shall not again employ such discharged person on the work except with the consent of the ENGINEER. Such discharge shall not be the basis of any claim for damages against the CITY or any CITY agents.

2. With respect to all skilled, semi-skilled and unskilled workers employed on the Project under this Contract, preference in employment shall be given to persons residing in Hollywood when such persons are available and qualified to perform the work to which the employment relates. No person shall be employed in violation of the State or National Labor Laws. No person under the age of 16 years shall be employed on a Project under the Contract. No person whose age or physical condition is such as to make his employment dangerous to his health or safety or to the health or safety of others shall be employed on the Project under this Contract; provided that this shall not operate against the employment of physically handicapped persons, otherwise employable where such persons may be safely assigned to work which they can ably perform. No person currently serving sentences in a penal or correctional institution and no inmate of an institution for

mentally defective shall be employed on a Project under this Contract without specific approval of the ENGINEER.

3. No discrimination shall be made in the employment of persons on the work by the CONTRACTOR or by any Subcontractor under him, because of the race, color, sex, age or religion of such persons, and there shall be full compliance with the provisions of applicable State and Federal laws in this regard.

7.9 Safety and Protection:

A. Federal Safety and Health Regulations:

The CONTRACTOR and Subcontractors shall comply with the provisions of the Occupational Safety and Health Standards, promulgated by the Secretary of Labor under the "Occupational Safety and Health Act of 1970".

B. Responsibilities:

The CONTRACTOR shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work. The CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

1. All employees on the work and other persons who may be affected thereby.

2. All the work and all materials or equipment to be incorporated therein, whether in storage on or off the site.

3. Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocating or replacement in the course of construction.

C. Designated Safety Officer:

The CONTRACTOR shall designate a responsible member of his organization at the site whose duty shall be the prevention of accidents. This person shall be the CONTRACTOR's Superintendent unless otherwise designated in writing by the CONTRACTOR to the ENGINEER.

D. Protection of the Work:

Until acceptance of the work by the CITY, it shall be under the charge and in care of the CONTRACTOR and he shall take every necessary precaution against injury or damage to the work by action of the elements or from the execution or from the non-execution of the work. The CONTRACTOR shall rebuild, restore and make good, at his own expense, all injuries or damages to any portion of the work occasioned by any of the above causes before its completion and acceptance.

7.10 Traffic Control, Public Safety and Convenience:

A. The CONTRACTOR shall at all times conduct his work so as to assure the least possible obstruction to traffic and inconvenience to the general public, and provide adequate protection of persons and property in the vicinity of the work.

B. WHEN THE NORMAL FLOW OF TRAFFIC WILL BE IMPAIRED OR DISRUPTED IN ANY MANNER ON ANY STREET, THE CONTRACTOR SHALL NOTIFY THE POLICE TRAFFIC SERGEANT AT 921-3610 AT LEAST 48 HOURS IN ADVANCE.

C. Streets shall not be closed, except when and where directed by the ENGINEER, and whenever a street is not closed the work must be conducted with the provision for safe passageway for traffic at all times. The CONTRACTOR shall make all necessary arrangements concerning maintenance of traffic and selection of detours required.

D. When permission has been granted to close an existing roadway, or portion thereof, the CONTRACTOR shall furnish and erect signs, barricades, lights, flags and other protective devices as necessary subject to the approval of the ENGINEER. From sunset to sunrise, the CONTRACTOR shall furnish and maintain as many yellow lights as the ENGINEER may direct.

E. During working hours the CONTRACTOR shall furnish watchmen in sufficient numbers to protect and divert the vehicular and pedestrian traffic from working areas closed to traffic, or to protect any new work. Failure to comply with this requirement will result in the ENGINEER shutting down the work until the CONTRACTOR shall have provided the necessary protection.

F. No separate payment will be made for such signs, barricades, lights, flags, watchmen or other protective devices as required, with all costs thereof deemed to be included in the prices bid for the various items scheduled in the bid.

G Sidewalks, gutters, drains, fire hydrants and private drives shall, in so far as practicable, be kept in condition for their intended uses. While the work is actually going on at any location, as much as half the street width at that location may be barricaded to exclude traffic entirely, but street traffic shall not be obstructed needlessly. Fire hydrants on or adjacent to the work shall be kept accessible to fire apparatus at all times, and no material or obstruction shall be placed within ten feet of any such hydrant.

H. Construction material stored upon the public street shall be placed so as to cause as little obstruction to the general public as is reasonably possible.

7.11 Use of Explosives:

When the use of explosives is necessary for the prosecution of the work, the CONTRACTOR shall observe the utmost care so as not to endanger life or property, and whenever directed, the number and size of charges shall be limited. All explosives shall be stored in a secure manner and all such storage places shall be marked clearly "DANGEROUS EXPLOSIVES" and shall be in care of a competent watchman at all times. The CONTRACTOR must familiarize himself with all laws and ordinances pertaining thereto, and govern himself and his employees accordingly.

7.12 Loading of Structures:

The CONTRACTOR shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall the CONTRACTOR subject any part of the work or adjacent property to stresses or pressures that will endanger it.

7.13 Concerning Subcontractors:

A. The CONTRACTOR, with his own forces, shall perform no less than 25% of the work as determined by the Contract price. Each Subcontractor shall be properly licensed for the type of work he is to perform.

B. A copy of each Sub-Contract shall be filed promptly with the ENGINEER upon request. Each Sub-Contract shall contain a reference to the Contract between the CITY and the CONTRACTOR, and the terms and conditions of the Contract shall be made a part of each Sub-Contract. Each Sub-Contract shall provide for annulment of same by the CONTRACTOR upon written order of the ENGINEER if the Subcontractor fails to comply with the requirements of this Contract.

C. The CONTRACTOR shall be responsible to the CITY and ENGINEER for the acts and omissions of his Sub- Contractors and their employees to the same extent as he is responsible for the acts and omissions of his own employees. Nothing contained in this Contract shall create any contractual relationship between any Subcontractor and the CITY or ENGINEER nor relieve the CONTRACTOR of any liability or obligation under this Contract.

7.14 Materials and Equipment:

A. Material for the Work:

1. The CONTRACTOR shall furnish all materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water and sanitary facilities and all other facilities and incidentals necessary for the execution, testing, initial operation and completion of the work.

2. Unless otherwise specified, shown or permitted by the ENGINEER, all material and equipment incorporated in the work shall be new and of current manufacture. The ENGINEER may request the CONTRACTOR to furnish manufacturer's certificates to this effect.

3. The ENGINEER may require any or all materials to be subjected to test by means of samples or otherwise, at production points or after delivery. The CONTRACTOR shall afford such facilities as the ENGINEER may require for collecting and forwarding samples, which samples shall be furnished by the CONTRACTOR without charge. The CONTRACTOR shall furnish evidence satisfactory to the ENGINEER that the materials and finished articles have passed the required test prior to the incorporation of such materials and finished articles in the work. Unless otherwise provided, the cost of such inspection and testing shall be as provided in Article 12.2.

4. All packaged manufactured products for use on the work shall be delivered to the work in their original, unopened packages, bearing thereon the manufacturer's name and the brand name of the product.

5. Wherever any product or material is selected to be used on the work, all such products or material shall be of the same brand and manufacture throughout the work.

6. All equipment, tools and machinery used for handling material or executing any part of the work shall be maintained in a satisfactory working condition. All equipment utilized on any portion of the work shall be such that no injury to personnel, the work, adjacent property or other objects will result from its use.

7. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable manufacturer, fabricator, supplier or distributor, except as otherwise provided in the Contract Documents.

B. Storage of Materials:

1. All materials and equipment including that ordered by the CITY designed for permanent installation in the work shall be properly stored by the CONTRACTOR to insure protection against deterioration of any type. These materials shall be placed as to cause a minimum of inconvenience to other contractors on the work and to the public. The storage piles shall be arranged to facilitate inspections, and any deterioration shall be grounds for rejection.

2. Materials stored in public Rights-of-Way, shall be stored in such a manner so as to be compatible with the Traffic Control requirements set forth in Paragraph 7.10. Materials shall be stored so as not to deny access to public or private property. Stored materials shall be adequately marked with barricades and/or flashing warning lights, where necessary, so as to protect the materials from damage and to protect the public health, safety and welfare.

3. Lawns, grass plots or other private property shall not be used for storage purposes without written permission of the Owner or Lessee of that private

property. Should the CONTRACTOR desire to store equipment or materials of any kind on the property of the CITY, he must obtain permission from the ENGINEER. The CITY reserves the right to order materials to be removed or relocated in such approved storage areas, if necessary.

4. The protection of stored materials shall be the CONTRACTOR's responsibility and the CITY OF HOLLYWOOD shall not be liable for any loss of materials, by theft or otherwise, nor for any damage to the stored materials.

C. Salvage of Materials and Equipment:

The CITY reserves the right to retain title to all soil, sand, stone, gravel, equipment, machinery or any other material that was a part of the structure, site or Right- of-Way and which was developed from excavations or other operations connected with the work. The CONTRACTOR will be permitted to use in the work, without charge, any such material which meets the requirements of the Contract Documents. For that material which the CITY desires to retain the CONTRACTOR shall, at his expense, transfer to a site within the CITY as designated by the ENGINEER. That material which the CITY does not wish to retain shall be the property of the CONTRACTOR and removed from the site at CONTRACTOR's expense.

7.15 Temporary Utilities:

The CONTRACTOR shall provide and maintain at his own expense, all water, power, telephone and sanitary facilities as required to comply with State and/or local Codes and Regulations. If water, including that for testing is required, it is the CONTRACTOR's responsibility to arrange through the CITY Water Department for a water meter. A deposit to be paid by the CONTRACTOR is required for meter rental and all water shall be purchased at the prevailing rate.

7.16 Review of Records:

The CONTRACTOR shall allow and permit the ENGINEER or his duly authorized representative to inspect and review all payrolls, records of personnel, conditions of employment, invoice of materials, books of accounts and other relevant data and records pertinent to the CONTRACT and Sub-Contracts.

7.17 Use of Premises:

CONTRACTOR shall confine construction equipment, the storage of materials and equipment and the operations of workmen to areas permitted by law, ordinances, permits or required by the Contract Documents, and shall not interfere with the premises or operation of the City Utilities facilities with construction equipment or other materials or equipment. Construction which interferes with Plant Operations shall be fully coordinated and approved by the ENGINEER.

7.18 CONTRACTOR's Daily Reports:

Except where otherwise provided, the CONTRACTOR shall complete a daily report indicating manpower, major equipment, Subcontractors, etc., involved in the performance of the work. The daily report shall be completed on forms approved by the ENGINEER, and shall be submitted to the ENGINEER at the conclusion of each work day.

7.19 Record Documents:

The CONTRACTOR shall keep one record copy of all Specifications, Drawings, Addenda, Modifications, Shop Drawings and samples at the site, in good order and annotated to show all changes made during the construction process. These shall be available to ENGINEER for examination and shall be delivered to ENGINEER upon completion of the work.

7.20 Cleanliness of the Site:

During the progress of the work, The CONTRACTOR shall keep the premises free from accumulations of waste materials, rubbish and other debris resulting from the work. At the completion of the work the CONTRACTOR shall remove all waste materials, rubbish and debris from and about the premises as well as all tools, appliances, construction equipment and machinery and surplus materials, and shall leave the site clean and ready for occupancy by the CITY. The CONTRACTOR shall restore to their original condition those portions of the site not designated for alteration by the Contract Documents.

7.21 Dust Control:

It shall be the CONTRACTOR's responsibility to control dust by watering as directed by the ENGINEER. The water used shall be paid for by the CONTRACTOR. Should the CONTRACTOR fail to control dust to the satisfaction of the ENGINEER, the CITY will control the dust by whatever means the CITY desires and the CONTRACTOR shall pay all expenses incurred by the CITY associated with the control of the dust.

7.22 Continuing the Work:

The CONTRACTOR shall carry on the work and maintain the Progress Schedule during all disputes or disagreements with the CITY. No work shall be delayed or postponed pending resolution of any disputes or disagreements, except as the CONTRACTOR and the CITY may otherwise agree in writing.

7.23 Indemnification:

In consideration of the amount listed in the Bid Form and other valuable consideration, the Contractor shall defend, indemnify and save harmless the CITY, its officers, agents, and employees from or on account of any personal injury, loss of life or damage to property received or sustained by any person or persons during or on account of any operations connected with the construction of this Project; or by or in consequence of any negligence (excluding negligence of the CITY), in connection with the same; or by use of any improper materials or by or on account of any use of any improper materials or by or on account of any act or omission of the said Contractor or his subcontractor, agents, servants or employees. Contractor agrees to indemnify and save harmless the

CITY against any liability arising from or based upon the violation of any federal, state, county or city laws, by-laws, ordinances or regulations by the Contractor, his subcontractor, agents, servants or employees. Contractor further agrees to indemnify and save harmless the CITY from all such claims and fees, and from any and all suits and actions of every name and description that may be brought against the CITY on account of any claims, fees, royalties, or costs for any invention or patent, and from any and all suits and actions that may be brought against the CITY for the infringement of any and all patents or patent rights claimed by any person, firm, or corporation.

The indemnification provided above shall obligate the Contractor to defend at his own expense or to provide for such defense, at the CITY's option, any and all claims or liability and all suits and actions of every name and description that may be brought against the Owner which may result from the operations and activities under this Contract whether the construction operations be performed by the Contractor, his subcontractor or by anyone directly or indirectly employed by either.

Nothing in this indemnification shall be deemed to affect the rights, privileges or immunities of the CITY as set forth in Section 768.28, Florida Statutes.

The CITY will pay to the Contractor the specific consideration, in the amount stated in the Bid Form. The Contractor shall acknowledge the receipt of payment and other good and valuable consideration from the Owner which has been paid to him as specific consideration for the indemnification provided herein and in accordance with the provisions of Chapter F.S.A., Section 725.06.

ARTICLE 8 - CITY'S RESPONSIBILITIES

8.1 Communications:

The CITY shall issue all communications to the CONTRACTOR through the ENGINEER.

8.2 Furnish Contract Documents:

The CITY shall furnish the number of Contract Documents as specified in the Supplementary General Conditions to the CONTRACTOR at no cost. Referenced Standard Specifications Manuals, guidebooks, etc., will not be provided.

8.3 Furnish Right-of-Way:

The CITY shall furnish the necessary land or Right-of-Way on which the work is to be accomplished, and will provide lines and grades as specified in Article 6.

8.4 Timely Delivery of Materials:

The CITY shall be responsible for the delivery of any CITY furnished material, equipment or labor as specified in the Contract Documents.

ARTICLE 9 - ENGINEER'S STATUS

9.1 Authority of the Engineer:

A. The general supervision of the execution of this Contract is vested in the ENGINEER who is the CITY's sole representative during the construction period. The instructions of the ENGINEER are to be strictly and promptly followed in every case. The CONTRACTOR's representative (Article 7.8 A. 1.) shall be responsible for the execution of any instructions given by the ENGINEER during the absence of the CONTRACTOR.

B. The ENGINEER is the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the work. Claims, disputes and other matters relating to the acceptability of work or requirements of the Contract Documents shall be referred in writing to the ENGINEER within 15 days of the event, with a request for a formal decision, which the ENGINEER will render in writing within a reasonable time. This rendering of a decision by the ENGINEER will be a condition precedent to any exercise by the CITY or CONTRACTOR of rights or remedies as either may otherwise have under the Contract Documents or at law in respect to any such claim, dispute or other matter.

C. The ENGINEER will issue with reasonable promptness any written clarifications or interpretations of the Contract Documents as he shall deem necessary, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents. If, as a result of a clarification or interpretation, either the CONTRACTOR or ENGINEER believes a Change Order is justified, it shall be submitted.

D. The ENGINEER has approval authority over the acceptability of all material or equipment furnished, Shop Drawings, Change Orders, work performed and the rate of progress of the work. Verification of the quantities of work performed for pay purposes is the responsibility of the ENGINEER.

E. The ENGINEER also has the authority to disapprove or reject work which is defective, and may require special inspection or testing of the work, whether or not it is fabricated, installed or completed.

F. The ENGINEER has the authority to suspend the work wholly or in part for such period or periods as may be deemed necessary, due to the unsuitable prosecution of the work, or for such time as is necessary due to failure on the part of the CONTRACTOR to carry out orders given or perform any or all provisions of the Contract. The CONTRACTOR shall not suspend the work and shall not remove any equipment, tools, lumber or other materials without the written permission of the ENGINEER.

9.2 Access to the Work:

The ENGINEER is to have free access to the materials and work at all times for laying out, measuring or inspecting same, and the CONTRACTOR is to afford him all necessary facilities and assistance for so doing.

9.3 Limitations on The ENGINEER's Responsibilities:

A. Neither the ENGINEER's authority to act under this Article or elsewhere in the Contract Documents nor any decision made by the ENGINEER in good faith either to exercise or not exercise such authority shall give rise to any duty or responsibility of the ENGINEER to the CONTRACTOR, any Subcontractor, any manufacturer, fabricator, supplier or distributor or any of their agents or employees or any other person performing any of the work.

B. Whenever in the Contract Documents the terms "as ordered", "as directed", "as required", "as allowed" or terms of like effect or import are used, or the adjectives "reasonable", "suitable", "acceptable", "proper" or "satisfactory" or adjectives of like effect or import are used, to describe requirement, direction, review or judgment of the ENGINEER as to the work, it is intended that such requirement, direction, review or judgment will be solely to evaluate the work for compliance with the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective never indicates that the ENGINEER has authority to supervise or direct performance of the work.

C. The ENGINEER will not be responsible for the CONTRACTOR's means, methods, techniques, sequences or procedures of construction, nor the safety precautions and programs incident thereto, and the ENGINEER will not be responsible for the CONTRACTOR's failure to perform the work in accordance with the Contract Documents.

D. The ENGINEER will not be responsible for the acts or omissions of the CONTRACTOR or of any Subcontractors, or of the agents or employees of any CONTRACTOR or subcontractor, or of any other persons at the site or otherwise performing any of the work.

9.4 Inspectors:

A. Inspectors employed by the CITY assist the ENGINEER in ascertaining the work conforms to the Contract Documents and are authorized to inspect all work done and material furnished as representatives of the ENGINEER. Inspectors shall be stationed at the site of the work to report to the ENGINEER as to the progress of the work and the quality of workmanship and material.

B. In case of any dispute arising between the CONTRACTOR and the Inspector, the Inspector shall have the authority to reject material or to suspend the work until the question of issue can be referred to and decided upon by the ENGINEER.

C. If the CONTRACTOR refuses to suspend operation on verbal order, the Inspector shall issue a written order giving the reason for shutting down the work.

After placing the order in the hands of the man in charge, the Inspector shall immediately leave the job. work done during the absence of the Inspector, after such written notice, will not be accepted nor paid for.

D. Inspectors are not authorized to revoke, alter, enlarge, relax or release any requirements of these Contract Documents, nor to issue instructions contrary to them. Inspectors shall in no case act as foreman or perform other duties for the CONTRACTOR, nor interfere with management of the work by the latter. Any instructions which Inspectors may give the CONTRACTOR shall in no way be construed as releasing the CONTRACTOR from fulfillment of the terms of the Contract.

E. The payment of any compensation, whatever may be its character or form, or the giving of any gratuity, or the granting of any valuable favor, by the CONTRACTOR to any Inspector, directly or indirectly, is strictly prohibited and any such act on the part of the CONTRACTOR will constitute a violation of this Contract and may subject the CONTRACTOR to other penalties provided for by law or ordinance.

9.5 Inspections:

A. The ENGINEER will make, or have made, such inspections and tests as he deems necessary to assure that the work is being accomplished in accordance with the requirements of the Contract. In the event such Inspections or tests reveal non-compliance with the requirements of the Contract, the CONTRACTOR shall bear the cost of such corrective measures as well as the cost of subsequent reinspection and retesting.

B. Work done in the absence of a prescribed inspection may be required to be removed and replaced under proper inspection. The entire cost of removal and replacement, including the cost of all material which may be furnished by the CITY and used in the work thus removed, shall be borne by the CONTRACTOR, regardless of whether the work removed is found to be defective or not. Work covered up without the authority of the ENGINEER, shall, upon order of the ENGINEER, be uncovered to the extent required, and the CONTRACTOR shall similarly bear the entire cost of performing all the work and furnishing all the material necessary for the removal of the covering and its subsequent replacement.

C. Unless otherwise provided, the cost of inspection and all inspection fees imposed by public agencies other than the fees associated with the issuance of the Master Building Permit by the City of Hollywood shall be paid by the CONTRACTOR.

D. No inspection nor any failure to inspect at any time or place shall relieve the CONTRACTOR from any obligation to perform all of the work in strict conformance with the requirements of the Contract Documents.

ARTICLE 10 - CHANGES IN THE WORK/CONTRACT PRICE

10.1 Changes in the Work or Terms of Contract Documents:

A. Without invalidating the Contract and without notice to any surety CITY reserves and shall have the right, from time to time to make such increases, decreases or other changes in the character or quantity of the Work as may be considered necessary or desirable to complete fully and acceptably the proposed construction in a satisfactory manner. Any extra or additional work within the scope of this Project must be accomplished by means of appropriate Clarifications, Field Orders, or Change Orders.

B. Any changes to the terms of the Contract Documents must be contained in a written document, executed by the parties hereto, with the same formality and of equal dignity prior to the initiation of any work reflecting such change.

This section shall not prohibit the issuance of Change Orders executed only by CITY as hereinafter provided.

10.2 Supplemental Instructions - Clarifications:

A. The CITY, through the ENGINEER, shall have the right to approve and issue Clarifications setting forth written interpretations of the intent of the Contract Documents and ordering minor changes in Work execution, providing the Clarifications involve no change in the Contract Price or the Contract Time.

B. The ENGINEER shall have the right to approve and issue Clarifications setting forth written orders, instructions, or interpretations concerning the Contract Documents or its performance, provided such Clarifications involve no change in the Contract Price or the Contract Time.

10.3 Field Orders / Change Orders:

A. Changes in the quantity or character of the Work within the scope of the Project which are not properly the subject of Clarifications, including all changes resulting in changes in the Contract Price or the Contract Time, shall be authorized only by Field Orders or Change Orders approved in advance and issued in accordance with the provisions of the CITY Procurement Code, as amended from time to time.

B. CONTRACTOR shall not start work on any changes requiring an increase in the Contract Price or the Contract Time until a Field Order or Change Order setting forth the adjustments is approved by the CITY. Upon receipt of a Change Order CONTRACTOR shall promptly proceed with the work set forth within the document.

C. Field Orders shall be issued for change in Contract Price related to Cost Allowances specifically included on the Proposal Bid Form. Change Orders shall be issued when required for all other Contract Price Changes. Hereinafter, the term “Change Order(s)” shall be used to include “Change Orders” and “Field Orders” with the exception that Field Order shall not be used for any Contract Time adjustments.

D. In the event satisfactory adjustment cannot be reached for any item requiring a change in the Contract Price or Contract Time, and a Change Order has not been issued, CITY reserves the right at its sole option to either terminate the Contract as it applies to the items in question and make such arrangements as may be deemed necessary to complete the disputed work; or the work shall be performed on the “cost of work” basis as described in Article 10.4.

E. On approval of any Contract change increasing the Contract Price, CONTRACTOR shall ensure that the performance bond and payment bond are increased so that each reflects the total Contract Price as increased.

F. Under circumstances determined necessary by CITY, Change Orders may be issued unilaterally by CITY.

10.4 Value of Change Order Work:

A. The value of any work covered by a Change Order or of any claim for an increase or decrease in the Contract Price shall be determined in one of the following ways:

A.1 Where the work involved is covered by unit prices contained in the Contract Documents, by application of unit prices to the quantities of items involved, subject to the provisions of Article 10.4.G.

A.2 By mutual acceptance of a lump sum which CONTRACTOR and CITY acknowledge contains a component for overhead and profit.

A.3 On the basis of the "cost of work," determined as provided in this Article, plus a CONTRACTOR's fee for overhead and profit which is determined as provided in Article 10.4.D.

B. The term "cost of work" means the sum of all direct costs necessarily incurred and paid by CONTRACTOR in the proper performance of the Work described in the Change Order. Except as otherwise may be agreed to in writing by CITY, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items and shall not include any of the costs itemized in Article 10.4.C.

B.1 Payroll costs for employees in the direct employ of CONTRACTOR in the performance of the work described in the Change Order under schedules of job classifications agreed upon by CITY and

CONTRACTOR. Payroll costs for employees not employed full time on the work covered by the Change Order shall be apportioned on the basis of their time spent on the work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits which shall include social security contributions, unemployment, excise and payroll taxes, workers' or workmen's compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay application thereto. Such employees shall include superintendents and foremen at the site. The expenses of performing the work after regular working hours, on Sunday or legal holidays shall be included in the above to the extent authorized by CITY.

B.2 Cost of all materials and equipment furnished and incorporated in the work, including costs of transportation and storage thereof, and manufacturers' field services required in connection therewith. All cash discounts shall accrue to CONTRACTOR unless CITY deposits funds with CONTRACTOR with which to make payments, in which case the cash discounts shall accrue to CITY. All trade discounts, rebates and refunds, and all returns from sale of surplus materials and equipment shall accrue to CITY and CONTRACTOR shall make provisions so that they may be obtained. Rentals of all construction equipment and machinery and the parts thereof whether rented from CONTRACTOR or others in accordance with rental agreements approved by CITY with the advice of ENGINEER and the costs of transportation, loading, unloading, installation, dismantling and removal thereof, all in accordance with the terms of said agreements. The rental of any such equipment, machinery or parts shall cease when the use thereof is no longer necessary for the work.

B.3 Payments made by CONTRACTOR to Subcontractors for work performed by Subcontractors, If required by CITY, CONTRACTOR shall obtain competitive bids from Subcontractors acceptable to CONTRACTOR and shall deliver such bids to CITY who will then determine, with the advice of ENGINEER, which bids will be accepted. If the Subcontract provides that the Subcontractor is to be paid on the basis of cost of the work plus a fee, the Subcontractor's cost of the work shall be determined in the same manner as CONTRACTOR'S cost of the work. All Subcontractors shall be subject to the other provisions of the Contract Documents insofar as applicable.

B.4 Cost of special engineers, including, but not limited to, engineers, architects, testing laboratories, and surveyors employed for services specifically related to the performance of the work described in the Change Order.

B.5 Supplemental costs including the following:

The proportion of necessary transportation, travel and subsistence expenses of CONTRACTOR's employees incurred in discharge of duties connected with the work except for local travel to and from the site of the work.

Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office and temporary facilities at the site and hand tools not owned by the workmen, which are consumed in the performance of the work, and cost less market value of such items used but not consumed which remains the property of CONTRACTOR.

Sales, use, or similar taxes related to the work, and for which CONTRACTOR is liable, imposed by any governmental authority. Deposits lost for causes other than CONTRACTOR's negligence; royalty payments and fees for permits and licenses. The cost of utilities, fuel, and sanitary facilities at the site. Receipted minor expenses such as telegrams, long distance telephone calls, telephone service at the site, expressage and similar petty cash items in connection with the work. Cost of premiums for additional bonds and insurance required because of changes in the work.

C. The term "cost of the work" shall not include any of the following:

C.1 Payroll costs and other compensation of CONTRACTOR's officers, executives, principals (of partnership and sole proprietorships), general managers, engineers, architects, estimators, lawyers, auditors, accountants, purchasing and contracting agents, expediters, timekeepers, clerks and other personnel employed by CONTRACTOR whether at the site or in its principal or a branch office for general administration of the work and not specifically included in the agreed-upon schedule of job classifications referred to in this Article, all of which are to be considered administrative costs covered by CONTRACTOR's fee.

C.2 Expenses of CONTRACTOR's principal and branch offices other than CONTRACTOR's office at the site.

C.3 Any part of CONTRACTOR's capital expenses, including interest on CONTRACTOR's capital employed for the work and charges against CONTRACTOR for delinquent payments.

C.4 Cost of premiums for all Bonds and for all insurance whether or not CONTRACTOR is required by the Contract Documents to purchase and maintain the same, except for additional bonds and insurance required because of changes in the work.

C.5 Costs due to the negligence or neglect of CONTRACTOR, any Subcontractors, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to,

the correction of defective work, disposal of materials or equipment wrongly supplied and making good any damage to property.

C.6 Other overhead or general expense costs of any kind and the cost of any item not specifically and expressly included in this Section.

D. CONTRACTOR's fee allowed to CONTRACTOR for overhead and profit shall be determined as follows:

D.1 A mutually acceptable fixed fee or if none can be agreed upon,

D.2 A fee based on the following percentages of the various portions of the cost of the work:

For costs incurred under Article 10.4.B.1, CONTRACTOR's fee shall not exceed ten percent (10%).

For costs incurred under Article 10.4.B.3 and B.4, CONTRACTOR's fee shall not exceed seven and one half percent (7.5%); and if a subcontract is on the basis of cost of the work plus a fee, the maximum allowable to the Subcontractor as a fee for overhead and profit shall not exceed ten percent (10%);

No fee shall be payable on the basis of costs itemized under Article 10.4.B.5 and Article 10.4.C.

E. The amount of credit to be allowed by CONTRACTOR to CITY for any such change which results in a net decrease in cost, will be the amount of the actual net decrease. When both additions and credits are involved in anyone change, the combined overhead and profit shall be figured on the basis of the net increase, if any, however, CONTRACTOR shall not be entitled to claim lost profits for any Work not performed.

F. Whenever the cost of any work is to be determined pursuant to Articles 10.4.B and 10.4.C, CONTRACTOR will submit in a form acceptable to CONSUL T ANT an itemized cost breakdown together with the supporting data.

G. Where the quantity of any item of the Work that is covered by a unit price is increased or decreased by more than twenty percent (20%) from the quantity of such work indicated in the Contract Documents, an appropriate Change Order shall be issued to adjust the unit price, if warranted.

H. Whenever a change in the Work is to be based on mutual acceptance of a lump sum, whether the amount is an addition, credit or no change-in-cost, CONTRACTOR shall submit an initial cost estimate acceptable to ENGINEER and CITY.

H.1 Breakdown shall list the quantities and unit prices for materials, labor, equipment and other items of cost.

H.2 Whenever a change involves CONTRACTOR and one or more Subcontractors and the change is an increase in the Contract Price,

overhead and profit percentage for CONTRACTOR and each Subcontractor shall be itemized separately.

I. Each Change Order must state within the body of the Change Order whether it is based upon unit price, negotiated lump sum, or "cost of the work."

10.5 Notification and Claim for Change of Contract Price:

A. Any claim for a change in the Contract Price shall be made by written notice by CONTRACTOR to the CITY and to ENGINEER within five (5) calendar days of the commencement of the event giving rise to the claim and stating the general nature and cause of the claim. Thereafter, within twenty (20) calendar days of the termination of the event giving rise to the claim, written notice of the extent of the claim with supporting information and documentation shall be provided unless ENGINEER allows an additional period of time to ascertain more accurate data in support of the claim and such notice shall be accompanied by CONTRACTOR's written notarized statement that the adjustment claimed is the entire adjustment to which the CONTRACTOR has reason to believe it is entitled as a result of the occurrence of said event. All claims for changes in the Contract Price shall be in accordance with Articles 10.3 and 10.4 hereof, if CITY and CONTRACTOR cannot otherwise agree. **IT IS EXPRESSLY AND SPECIFICALLY AGREED THAT ANY AND ALL CLAIMS FOR CHANGES TO THE CONTRACT PRICE SHALL BE WAIVED IF NOT SUBMITTED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION.**

10.6 Notice of Change:

If notice of any change affecting the general scope of the work or change in the Contract Price is required by the provisions of any Bond to be given to the Surety, it will be CONTRACTOR's responsibility to so notify the Surety, and the amount of each applicable Bond shall be adjusted accordingly. The CONTRACTOR shall furnish proof of such adjustment to the CITY. Failure of the CONTRACTOR to obtain such approval from the Surety may be a basis for termination of this Contract by the CITY.

10.7 Records:

The CONTRACTOR's representative and the ENGINEER shall compare records of extra work done at the end of the day. Such records shall be made in duplicate upon a form provided for such purpose by the ENGINEER and shall be signed by both the Inspector and the CONTRACTOR's representative, one copy being submitted to the ENGINEER and the other being retained by the CONTRACTOR.

10.8 Cancelled Items and Payments Therefore:

The CITY COMMISSION shall have the right to cancel those portions of the Contract relating to the construction of any item provided therein. Such cancellation shall entitle the CONTRACTOR to payment in a fair and equitable amount covering all items of cost incurred by him prior to the date of cancellation or suspension of the work. The CONTRACTOR shall be allowed a profit percentage on the materials used and on construction work actually performed, at the same rates as provided for "Extra Work", but no allowance will be made for anticipated profits. Acceptable materials ordered by the CONTRACTOR or delivered on the work, prior to date of such cancellation or suspension, may be purchased from the CONTRACTOR by the CITY at actual cost and shall thereupon, become property of the CITY, or may be returned to the manufacturer for a reasonable restocking charge.

10.9 Full Payment:

The Compensation herein provided shall be received and accepted by the CONTRACTOR as payment in full for all extra work done or costs incurred in event of cancellation.

ARTICLE 11 - CHANGES IN THE CONTRACT TIME

11.1 Change Order:

The Contract Time may only be changed by a Change Order. A FULLY EXECUTED CHANGE ORDER MUST EXIST PRIOR TO EXTENSION OR SHORTENING OF THE CONTRACT TIME.

11.2 Notification and Claim for Change of Contract Time:

A. Any claim for a change in the Contract Time shall be made by written notice by the CONTRACTOR to the CITY and to ENGINEER within five (5) calendar days of the commencement of the event giving rise to the claim and stating the general nature and cause of the claim. Thereafter within twenty (20) calendar days of the termination of the event giving rise to the claim, written notice of the extent of the claim with supporting information and documentation shall be provided unless ENGINEER allows an additional period of time to ascertain more accurate data in support of the claim and such notice shall be accompanied by CONTRACTOR's written notarized statement that the adjustment claimed is the entire adjustment to which the CONTRACTOR has reason to believe it is entitled as a result of the occurrence of said event. All claims for changes in the Contract Time shall be determined in accordance with Articles 10.3 and 10.4 hereof, if CITY and CONTRACTOR cannot otherwise agree. **IT IS EXPRESSLY AND SPECIFICALLY AGREED THAT ANY AND ALL CLAIMS FOR CHANGES TO THE CONTRACT TIME SHALL BE WAIVED IF NOT SUBMITTED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THIS SECTION.**

B. The Contract Time will be extended an amount equal to time lost on critical Work items due to delays beyond the control of and through no fault or negligence of CONTRACTOR if a claim is made thereafter as provided in Article 11.2. Such delays shall include, but not be limited to, acts or neglect by any separate contractor employed by CITY, fire, floods, labor disputes, epidemics, abnormal weather conditions or acts of God

11.3 Basis for Extension:

Extensions of time shall be considered and will be based solely upon the effect of delays to the work as a whole. Extensions of time shall not be granted for delays to the work, unless the CONTRACTOR can clearly demonstrate, through schedule analysis, that the delay to the work as a whole arose in accordance with Article 12.3 or Article 15.1, and that such delays did or will, in fact, delay the progress of work as a whole. Time extensions shall not be allowed for delays to parts of the work that are not on the critical path of the project schedule. Time extensions shall not be granted until all float or contingency time, at the time of the delay, available to absorb specific delays and associated impacts is used.

11.4 Change of Time Due to Contract Execution Problems:

Refer to Article 3.4 for a decrease in Contract Time when the CONTRACTOR fails to return the correctly executed Contract Documents within the time allowed.

11.5 Change of Time Due to Change Order Evaluation:

When evaluating a proposed Change Order, the ENGINEER shall have access to any available float or contingency time. Extension will only be considered in accordance with Article 11.3.

11.6 Change of Time and Inspection and Testing:

Neither observations by the ENGINEER, nor inspections, tests or approvals by others, passing or failing, will be cause for consideration of time extension.

11.7 Change of Time and Defective Work:

A. If WORK is found to be defective, CONTRACTOR shall bear all remedial expenses including any additional costs experienced by CITY due to delays to others performing additional WORK. CONTRACTOR shall further bear the responsibility for maintaining schedule, and will be excluded from a time extension and the recovery of delay damages due to the uncovering.

B. If the WORK is found to be defective per the Specifications, but the CITY chooses to accept it at its sole discretion, CONTRACTOR shall bear the responsibility for maintaining schedule, and will be excluded from a time extension and the recovery of delay damages due to the uncovering.

11.8 Liquidated Damages:

All time limits stated in the Contract Documents are of the essence. The provisions of this Article 11 shall not exclude recovery for damages by CITY as indicated in Section 3 of the Supplementary General Conditions.

ARTICLE 12 - WARRANTY AND GUARANTEE; TEST AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

12.1 Warranty and Guarantee:

The CONTRACTOR warrants and guarantees to the CITY and the ENGINEER that all work will be in accordance with the Contract Documents and will not be defective. Prompt notice of all defects shall be given to the CONTRACTOR. All defective work, whether or not in place, may be rejected, corrected or accepted as provided in this Article.

12.2 Tests and Inspections:

A. The CONTRACTOR shall give the ENGINEER and, when appropriate, the Building Department and other regulatory authorities which have jurisdiction over the work, timely notice of readiness of the work for all required inspections, tests or approvals.

B. All inspections performed as a result of the issuance of the Master Building Permit shall be performed by the CITY. All costs associated with such inspections shall be paid by the CITY, EXCEPT THAT should said test or inspection fail to pass the CONTRACTOR shall pay all costs associated with the rework and the retesting.

C. When any other regulatory authority, by virtue of its rules or regulations, requires specific tests or inspections, the CONTRACTOR shall assume full responsibility for and pay all costs in connection with said tests and inspections.

D. The CONTRACTOR shall also be responsible for and shall pay all costs in connection with any inspection or testing required in connection with the ENGINEER's acceptance of a manufacturer, fabricator, supplier or distributor of materials or equipment proposed to be incorporated in the work, or of materials or equipment submitted for approval prior to ENGINEER's acceptance thereof for incorporation in the work and as otherwise specified in the Contract Documents.

E. Neither observations by the ENGINEER nor inspections, tests or approvals by others shall relieve the CONTRACTOR from his obligations to perform the work in accordance with the Contract Documents.

12.3 Uncovering Work:

A. If any work that is to be inspected, tested or approved is covered without written concurrence of the ENGINEER, it must, if requested, by the ENGINEER, be uncovered. Such uncovering and replacement shall be at the CONTRACTOR's expense.

B. CONTRACTOR must contact all regulatory agencies issuing construction permits to make all necessary inspections. If CONTRACTOR fails to have the necessary inspections performed and such failure results in uncovering of work already performed, CONTRACTOR shall be responsible for all related time delays and monetary costs.

C. If the ENGINEER considers it necessary or advisable that work previously covered with his permission or cognizance be observed, inspected or tested, the CONTRACTOR, at the ENGINEER's request, shall uncover, expose or otherwise make available for observation, inspection or testing as the ENGINEER may require, that portion of the work in question, furnishing all necessary labor, material and equipment. If it is found that such work is defective, the CONTRACTOR shall bear all the expenses of such uncovering, exposure, observation, inspection and testing and of satisfactory reconstruction, including compensation for additional professional services. If, however, such work is not found to be defective the CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction if he makes a claim therefor in accordance with Article 10.2 and Article 11.2.

12.4 City May Stop the Work:

If the work is defective, or the CONTRACTOR fails to supply sufficient skilled workmen or suitable materials or equipment, the CITY may order the CONTRACTOR to stop the work, or any portion thereof, until the cause for such order has been eliminated; however, this right of the CITY to stop the work shall not give rise to any duty on the part of the CITY to exercise this right for the benefit of the CONTRACTOR or any other party.

12.5 Correction or Removal of Defective Work:

If required by the ENGINEER, the CONTRACTOR shall promptly, without cost to the CITY and as specified by the ENGINEER either correct any defective work, whether or not fabricated, installed or completed, or if the work has been rejected by the ENGINEER, remove it from the site and replace it with nondefective work.

12.6 One Year Correction Period:

If within one year after the date of Substantial Completion or Final Completion as applicable, or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents or by any specific provision of the Contract Documents, any work is found to be defective, the CONTRACTOR shall promptly without cost to the CITY and in accordance with the ENGINEER's written instructions, either correct such defective work, or if it has been rejected by the ENGINEER remove it from the site and replace it with nondefective work. If the CONTRACTOR does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, the ENGINEER may have the defective work corrected or the rejected work removed and replaced, and all direct and indirect costs of such removal and replacement, including compensation for additional professional services, shall be paid by the CONTRACTOR.

12.7 Acceptance of Defective Work:

If instead of requiring correction or removal and replacement of defective work, the ENGINEER prefers to accept it, he may do so. In such case, if acceptance occurs prior to the ENGINEER's recommendation of final payment, a Change Order shall be issued incorporating the necessary revisions in the Contract Documents, including appropriate reduction in the Contract Price; or if the acceptance occurs after such recommendation, an appropriate amount shall be paid by the CONTRACTOR to the CITY.

12.8 City May Correct Defective Work:

If the CONTRACTOR fails within a reasonable time after written notice of the ENGINEER to proceed to correct and to correct defective work or to remove and replace rejected work as required by the ENGINEER in accordance with Paragraph 12.5, or if the CONTRACTOR fails to perform the work in accordance with the Contract Documents, (including any requirements of the progress schedule), the CITY may, after seven days' written notice to the CONTRACTOR, correct and remedy any such deficiency. In exercising its rights under this Paragraph the CITY shall proceed expeditiously. To the extent necessary to complete corrective and remedial action, the CITY may exclude the CONTRACTOR from all or part of the site, take possession of all or part of the work, and suspend the CONTRACTOR's services related thereto, take possession of the CONTRACTOR's tools, appliances, construction equipment and machinery at the site and incorporate in the work all materials and equipment stored at the site or for which the CITY has paid the CONTRACTOR but which are stored elsewhere. The CONTRACTOR shall allow the CITY, the CITY's representatives, agents and employees such access to the site as may be necessary to enable the CITY to exercise his rights under this Paragraph. All direct and indirect costs of the CITY in exercising such rights shall be charged against the CONTRACTOR in an amount verified by the ENGINEER, and a Change Order shall be issued incorporating the necessary revisions in the Contract Documents and a reduction in the Contract Price. Such direct and indirect costs shall include, in particular but without limitations, compensation for additional professional services required and all costs of repair and replacement of work of others destroyed or damaged by correction, removal or replacement of the CONTRACTOR's defective work. The CONTRACTOR shall not be allowed an extension of the Contract Time because of any delay in performance of the work attributable to the exercise by the CITY of the CITY's rights hereunder.

ARTICLE 13 - PAYMENTS TO THE CONTRACTOR

13.1 Basis of Payment:

Progress payments shall be based on the aggregate of the unit price amounts listed in the Proposal or in the Schedule of Values which have been incorporated in the work acceptable to the ENGINEER.

13.2 Unit Price Inclusion:

The unit prices stated in the Proposal include all costs and expenses for materials, labor, tools, equipment, transportation, commissions, patent fees and royalties, removing crossings or other obstructions, protection or maintaining pipes, drains, railroad tracks, buildings, bridges, or other structures furnishing temporary crossings or bridges, furnishing all supplemental construction stakes, batter boards, templets, common and ordinary labor for handling materials during inspection replacing any property damage, together with any and all costs or expenses for performing and completing the work as specified.

13.3 Schedule of Values: (Lump Sum Price Breakdown)

A Schedule of Values must be submitted within seven days subsequent to the CONTRACTOR executing and submitting the Documents required of Article 2.13 of the Section II – Special Terms and Conditions. The schedules shall be satisfactory in form and substance to the ENGINEER, and shall include quantity and unit prices aggregating the Contract Price, and shall subdivide the work into component parts in sufficient detail to serve as the basis for progress payments during construction. Upon acceptance of the schedule of values by the ENGINEER, it shall be incorporated into a form of Application for Payment acceptable to the ENGINEER.

13.4 Changed Conditions: (Unit Price Only)

It is mutually agreed that due to latent field conditions which can not be foreseen at the time of advertising for bids, adjustments of the Plans to field conditions will be necessary during construction; and, therefore, such changes in the plans shall be recognized as constituting a normal and accepted margin of adjustment not unusual and not involving or permitting any change or modification of unit prices, in which case payment will be made for the revised quantities at the unit price bid in the Proposal.

13.5 Application for Progress Payment:

On the 20th day of the month or the first working day thereafter, the CONTRACTOR shall submit to the ENGINEER for review an Application for Payment form filled out and signed by the CONTRACTOR. The form shall be notarized, and shall cover the work completed as of the date of the application. The Application for Payment shall be accompanied by a Schedule of Values, and any other supporting documentation as the ENGINEER may reasonably require.

13.6 Payment for Materials:

If payment is requested on the basis of materials and equipment not incorporated in the work but delivered and suitably stored at the site or at another location agreed to in writing, the Application for Payment shall also be accompanied by such data, satisfactory to the ENGINEER, as will establish the CITY's title to the material and equipment and protect the CITY's interest therein, including applicable insurance.

13.7 Affidavit Required:

All Applications for Payment shall include an Affidavit of the CONTRACTOR stating that all previous progress payments received on account of the work have been applied to discharge in full all of CONTRACTOR's obligations reflected in prior Applications for Payment. The amount of retainage with respect to progress payments will be 5%.

13.8 Retainage:

The amount of retainage with respect to progress payments will be 5% until completion of the construction services purchased pursuant to the Contract, as more specifically set forth in the Article 3 of the main contract entitled “Partial and Final Payment”.

13.9 CONTRACTOR's Warranty of Title:

The CONTRACTOR warrants and guarantees that title to all work, materials and equipment covered by any Application for Payment whether incorporated in the Project or not, will pass to the CITY at the time of payment free and clear of all liens, claims, security interests and encumbrances (hereinafter in these General Conditions referred to as "Liens").

13.10 Review of Application for Payment:

The ENGINEER will, within seven (7) days, review the Application for Payment and either approve and submit it for payment or notify the CONTRACTOR of the deficiencies such that the CONTRACTOR may make the necessary corrections and resubmit in time for the month's payment. However, the ENGINEER may refuse to recommend the whole or any part of any payment if, in his opinion, it would be incorrect to make such representations. He may also refuse to recommend any such payment, or because of subsequently discovered evidence or the results of subsequent inspections or tests, nullify any such payment previously recommended to such extent as may be necessary in the ENGINEER's opinion to protect the CITY from loss because:

A. The work is defective, or completed work has been damaged requiring correction or replacement.

B. Written claims have been made against the CITY or Liens have been filed in connection with the work.

C. The Contract Price has been reduced because of Change Order.

D. The CITY has been required to correct defective work or complete the work in accordance with Article 12.8.

E. The CONTRACTOR's unsatisfactory prosecution of the work in accordance with the Contract Documents.

F. The CONTRACTOR's failure to make payment to Sub- Contractors, or for labor, materials or equipment.

13.11 Payment to the Contractor:

Payments are made only on the fifteenth day or first workday thereafter of each month.

ARTICLE 14 - SUBSTANTIAL COMPLETION, PARTIAL UTILIZATION, FINAL CLEAN UP, INSPECTION, PAYMENT AND ACCEPTANCE

14.1 Substantial Completion:

When the CONTRACTOR considers the entire work ready for its intended use, the CONTRACTOR shall, in writing to the ENGINEER, certify that the entire work is substantially complete and request that the ENGINEER issue a Certificate of Substantial Completion. Within a reasonable time thereafter the CONTRACTOR and the ENGINEER shall make an inspection of the work to determine the status of completion. If the ENGINEER does not consider the work substantially complete, the ENGINEER will notify the CONTRACTOR in writing giving his reasons therefor. If the ENGINEER considers the work substantially complete, the ENGINEER will prepare and deliver to the CONTRACTOR a Certificate of Substantial Completion, which shall fix the date of Substantial Completion. There shall be attached to the certificate a proposed Punch List, developed by the CONTRACTOR, of items to be completed or corrected before final payment.

Within ten (10) days after delivery of the certificate, the CITY shall review the proposed Punch List and either approve it or contact the CONTRACTOR to commence good faith efforts to develop a Punch List that is satisfactory to both parties. If the parties are unable to resolve any differences they may have in the development of the Punch List, the ENGINEER shall resolve their differences. The parties shall expedite the process of developing the Punch List with the intent of finalizing the Punch List within sixty (60) days after the date of Substantial Completion.

At the time of delivery of the Certificate of Substantial Completion the ENGINEER will deliver to the CONTRACTOR written notice as to division of responsibilities pending final payment between the CITY and the CONTRACTOR with respect to security, operation, safety, maintenance, heat, utilities and insurance, said responsibilities will be binding on the CITY and the CONTRACTOR until final payment. Unless otherwise stated herein or on the Certificate of Substantial Completion, all building, product, equipment, and machinery warranties will commence on the date of Substantial Completion. The CITY shall have the right to exclude the CONTRACTOR from the work after the date of Substantial Completion, but the CITY shall allow the CONTRACTOR reasonable access to complete or correct items on the Punch List.

14.2 Partial Utilization:

Use by the CITY of any finished part of the work which has specifically been identified in the Contract Documents or which the ENGINEER and the CONTRACTOR agree constitutes a separately functioning and usable part of the work that can be used by the CITY without significant interference with CONTRACTOR's performance of the remainder of the work, may be accomplished prior to Substantial Completion of all the work subject to the following:

A. The ENGINEER at any time may request the CONTRACTOR in writing to permit the CITY to use any such part of the work which the ENGINEER believes to be ready for its intended use and substantially complete. If the CONTRACTOR agrees, the CONTRACTOR will certify to the ENGINEER that said part of the work is substantially complete and request the ENGINEER to issue a Certificate of Substantial Completion for that part of the work. The CONTRACTOR, at any time, may notify the ENGINEER in writing that the CONTRACTOR considers any such part of the work ready for its intended use and substantially complete and request the ENGINEER to issue a Certificate of Substantial Complete for the part of the work. Within a reasonable time after either such request, the CONTRACTOR and the ENGINEER shall make an inspection of that part of the work to determine its status of completion. If the ENGINEER does not consider that part of the work to be substantially complete, the ENGINEER will notify the CONTRACTOR in writing giving the reasons therefore. If the ENGINEER considers that part of the work to be substantially complete, the provisions of Article 14.1 will apply with respect to Certificate of Substantial Completion of that part of the work and the division of responsibility in respect thereof and access thereto. It shall be understood by the CONTRACTOR that until such written notification is issued, all responsibility for care and maintenance of all of the WORK shall be borne by the CONTRACTOR. Upon issuance of said written notice of partial utilization, the OWNER will accept responsibility for the protection and maintenance of all such items or portions of the WORK described in the written notice.

14.3 Final Clean-Up:

Upon completion of the work and before final inspection shall be made, the CONTRACTOR shall clean and remove from the site, the Right-of-Way and adjacent property, all surplus and discarded materials, rubbish, and temporary structures; restore in an acceptable manner all property, both public and private, which has been damaged during the prosecution of the work; and shall leave the site and vicinity unobstructed in a neat and presentable condition throughout the entire area or length of the work under Contract. The placing of materials of every character, rubbish, or equipment on the abutting property, with or without the consent of the property owners, shall not constitute the satisfactory disposal. If the work is of such a character as may be done by block or sections, the CONTRACTOR may be required to promptly remove and dispose of accumulated rubbish, debris or surplus materials from blocks or sections as completed or partially completed. No separate payment will be made for final cleaning up and restoration of property, but all costs thereof shall be included in the prices bid for the various scheduled items of work.

14.4 Final Inspection:

Upon written notice from the CONTRACTOR that the entire work or an agreed portion thereof is complete and final clean-up has been completed, the ENGINEER will make a final inspection with the CONTRACTOR and will notify the CONTRACTOR in writing of all particulars in which this inspection reveals that the work is incomplete or defective. The CONTRACTOR shall immediately take such measures as are necessary to remedy such deficiencies.

14.5 Final Application for Payment:

After the CONTRACTOR has completed all such corrections to the satisfaction of the ENGINEER and delivered all maintenance and operating instructions, schedules, guarantees, Bonds, certificates of inspection, marked-up record documents (as provided in Article 7.19 of the General Conditions and other documents; all as required by the Contract Documents and after the ENGINEER has indicated that the work is acceptable (subject to the provisions of Article 14.9) the CONTRACTOR may make Application for Final Payment following the procedure for progress payments. The final Application for Payment shall be accompanied by all documentation called for in the Contract Documents, together with complete and legally effective releases or waivers (satisfactory to the CITY) of all Liens arising out of or filed in connection with the work. In lieu thereof and as approved by the CITY, the CONTRACTOR may furnish receipts or releases in full; an affidavit of the CONTRACTOR that the releases and receipts include all labor, services, material and equipment for which a Lien could be filed, and that all payrolls, material and equipment bills, and other indebtedness connected with the work for which the CITY or the CITY's property might in any way be responsible, have been paid or otherwise satisfied; and consent of the Surety, if any, to final payment. If any Subcontractor or Supplier fails to furnish a release or receipt in full, the CONTRACTOR may furnish a Bond or other collateral satisfactory to the CITY to indemnify the CITY against any Lien.

14.6 Final Payment and Acceptance:

If on the basis of the ENGINEER's observation of the work during construction and final inspection, and the ENGINEER's review of the final Application for Payment and accompanying documentation, all as required by the Contract Documents, the ENGINEER is satisfied that the work has been completed and the CONTRACTOR's other obligations under the Contract Documents have been fulfilled, the ENGINEER will recommend payment. Thereupon the ENGINEER will give written notice to the CITY and the CONTRACTOR that the work is acceptable subject to the provisions of Article 14.9.

14.7 Payment of Retainage Without Final Completion:

If through no fault of the CONTRACTOR, final completion of the work is significantly delayed and if the ENGINEER so confirms, the CITY shall, upon receipt of the CONTRACTOR's final Application for Payment and recommendation of the ENGINEER, and without terminating the Agreement, make payment of the balance due for the portion of the work fully completed and accepted. If the remaining balance to be held by the CITY for work not fully completed or corrected is less than the retainage stipulated in the Agreement and if Bonds have been furnished as required in Article 5.2, the written consent of the Surety to the payment of the balance due for that portion of the work fully completed and accepted shall be submitted by the CONTRACTOR to the ENGINEER with the application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

14.8 CONTRACTOR's Continuing Obligation:

The CONTRACTOR's obligation to perform and complete the work in accordance with the Contract Documents shall be absolute. Neither recommendation of any progress or final payment by the ENGINEER, nor the issuance of a Certificate of Substantial Completion, nor any payment by the CITY to the CONTRACTOR under the Contract Documents, nor any use or occupancy of the work or any part thereof by the CITY nor any act of acceptance by the CITY nor any failure to do so, nor any review and approval of a Shop Drawing or sample submission, nor the issuance of a notice of acceptability by the ENGINEER pursuant to Article 14.6, nor any correction of defective work by the CITY will constitute an acceptance of work not in accordance with the Contract Documents or a release of the CONTRACTOR's obligation to perform the work in accordance with the Contract Documents (except as provided in Article 14.9).

14.9 Waiver of Claims:

The making and acceptance of final payment will constitute:

A. A waiver of all claims by the CITY against the CONTRACTOR, except claims arising from unsettled Liens, from defective work appearing after final inspection pursuant to Article 14.4 or from failure to comply with the Contract Documents or the terms of any special guarantees specified therein; however, it will not constitute a waiver by the CITY of any rights in respect of the CONTRACTOR's continuing obligations under the Contract Documents.

B. A waiver of all claims by the CONTRACTOR against the CITY other than those previously made in writing and still unsettled.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.1 City May Suspend Work:

The CITY may, at any time and without cause, suspend the work or any portion thereof for a period of not more than ninety (90) days by notice in writing to the CONTRACTOR which will fix the date on which work will be resumed. The CONTRACTOR shall resume the work on the date so fixed. The CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to any suspension.

15.2 City May Terminate:

A. Upon the occurrence of any one or more of the following events:

1. If the CONTRACTOR commences a voluntary case under any chapter of the Bankruptcy Code (Title 11, United States Code), as now or hereafter in effect, or if the CONTRACTOR takes any equivalent or similar action by filing a petition or otherwise under any other federal or state law in effect at such time relating to the bankruptcy or insolvency.

2. If a petition is filed against the CONTRACTOR under any chapter of the Bankruptcy Code as now or hereafter in effect at the time of filing, or if a petition is filed seeking any such equivalent or similar relief against the CONTRACTOR under any other federal or state law in effect at the time relating to bankruptcy or insolvency.

3. If the CONTRACTOR makes a general assignment for the benefit of creditors.

4. If a trustee, receiver, custodian or agent of the CONTRACTOR is appointed under applicable law or under contract, whose appointment or authority to take charge of property of the CONTRACTOR is for the purpose of enforcing a Lien against such property or for the purpose of general administration of such property for the benefit of the CONTRACTOR's creditors.

5. If the CONTRACTOR admits in writing an inability to pay its debts generally as they become due.

6. If the CONTRACTOR persistently fails to perform the work in accordance with the Contract Documents (including, but not limited to, failure to supply a qualified superintendent or sufficient skilled workers or suitable materials or equipment or failure to adhere to the approved progress schedule revised from time to time).

7. If the CONTRACTOR disregards laws or regulations of any public body having jurisdiction.

8. If the CONTRACTOR disregards the authority of the ENGINEER.

9. If the CONTRACTOR otherwise violates in any substantial way any provisions of the Contract Documents.

B. The CITY may, after giving the CONTRACTOR and the Surety seven days' written notice and to the extent permitted by laws and regulations, terminate the services of the CONTRACTOR, exclude the CONTRACTOR from the site and take possession of the work and of all the CONTRACTOR's tools, appliances, construction equipment and machinery at the site and use the same to the full extent they could be used by the CONTRACTOR (without liability to the CONTRACTOR for trespass or conversion), incorporate in the work all materials and equipment stored at the site or for which the CITY has paid the CONTRACTOR but which are stored elsewhere, and finish the work as the CITY may deem expedient. In such case the CONTRACTOR shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the Contract Price exceeds the direct, indirect and consequential costs of completing the work (including but not limited to fees and charges of engineers, architects, attorneys and other professionals, and court and arbitration costs) such excess will be paid to the CONTRACTOR. If such costs exceed such unpaid balance, the CONTRACTOR, or CONTRACTOR's Surety, shall pay the difference to the CITY.

C. Where the CONTRACTOR's services have been so terminated by the CITY, the CITY alone shall determine the scope and description of the work to be completed and the method and schedule for completing it.

D. Where the CONTRACTOR's services have been so terminated by the CITY the termination will not affect any rights or remedies of the CITY against the CONTRACTOR then existing or which may thereafter accrue. Any retention or payment of moneys due the CONTRACTOR by the CITY will not release the CONTRACTOR from liability.

E. Upon seven days' written notice to the CONTRACTOR the CITY may, without cause and without prejudice to any other right or remedy, elect to abandon the work and terminate the Contract. In such case the CONTRACTOR shall be paid for all work executed and any expense sustained plus reasonable termination expenses, which will include, but not be limited to, direct, indirect and consequential costs (including, but not limited to, fees and charges of engineers, architects, attorneys and other professionals and court and arbitration costs).

15.3 Contractor May Stop Work or Terminate:

If through no act or fault of the CONTRACTOR, the work is suspended for a period of more than ninety (90) days by the CITY or under an order of court or other public authority, or the CITY fails for sixty (60) days to pay the CONTRACTOR any sum finally determined to be due, then the CONTRACTOR may, upon seven days' written notice to the CITY terminate the Contract and recover from the CITY payment for all work executed and any expense sustained plus reasonable termination expenses. In addition and in lieu of terminating the Contract, if the CITY has failed to make any payment as aforesaid, the CONTRACTOR may upon seven days' written notice to the CITY stop the work until payment of all amounts then due are paid. The provisions of this paragraph shall not relieve the CONTRACTOR of the obligations to carry on the work in accordance with the progress schedule and without delay during disputes and disagreements with the CITY.

- END OF SECTION -

ATTACHMENT C

SUPPLEMENTARY GENERAL CONDITIONS

INDEX TO ARTICLES

1.	Project Schedule	00800-2
2.	Insurance Requirements (Not Used)	00800-3
3.	Liquidated Damages	00800-4
4.	Restricted Area	00800-5
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9.	Notice of Completion	00800-5
10.	Prevailing Wage Requirement	00800-5
11.	Inspections and Testing During Overtime	00800-6
12.	Retainage	00800-6
13.	Owner's Contingency (Not Used)	00800-8

General Note:

The General Conditions refer to specific section numbers in the Supplementary General Conditions. These reference numbers may not coordinate with the actual Article numbers utilized in the Supplementary General Conditions. The CONTRACTOR shall comply with all General Conditions and all Supplementary General Conditions as well as related conditions included in the General Requirements, Division 1 of the Technical Specifications. Incorrect cross-reference numbers shall not relieve this requirement.

1. Project Schedule

Time is of the essence for this work. The following defines the schedule for the project:

CONSTRUCTION WORK SCHEDULE
CONSTRUCTION / STARTUP / ACCEPTANCE:

Major Milestones	Completion Time (Calendar Days)	Liquidated Damages (Per Day)
Substantial Completion	**300**	**$1,000.00**
Project Closeout	**360**	**$1,000.00**

Failure to meet any of the above defined construction/startup/acceptance completion dates shall subject the CONTRACTOR to pay damages as specified in these Supplementary General Conditions in Article 3.

(1)Substantial Completion

1. Refer to Attachment B - General Conditions Articles 14.1 and 14.2. (Certification of Substantial Completion Services appended to the Supplementary General Conditions).

2. Substantial Completion shall also include:

   - Completion of all construction work associated with the specific “Major Milestone” listed in the construction work schedule including completion of punch list items. “Completion of punch list items” shall be as determined by the Engineer in the field.
   - Coating touchup completed.
   - Record shop drawings and O&M submittals received and accepted by the Engineer.
   - Record drawing red-lines received and accepted by the Engineer.
   - Guarantee certifications, performance affidavits, and all other certifications received and accepted by the Engineer.

Contractor shall also conform to construction sequence constraints as defined on the Drawings and in Specifications.

(2)Project Closeout

1. Refer to Division 1 General Requirement, Section 01700 Project Closeout.

2. Project Closeout shall also include:

   - All requirements of substantial completion met plus the following
   - Site cleanup and restoration completed
   - All other sitework completed
   - Minor punch list items completed (minor as defined by the Engineer in the field)
   - Demobilization completed
   - Releases from all parties who are entitled to claims

   The title "Engineer" utilized in these descriptions for substantial and final completion shall mean the City staff engineer assigned to this project, or his designated representative.

2. Insurance Requirements (Not Used. Refer to ARTICLE 2.25 of SECTION II – SPECIAL TERMS AND CONDITIONS OF THE CONTRACT DOCUMENTS

3. Liquidated Damages

Liquidated damages shall be paid by the CONTRACTOR to the CITY for failure to complete work on time in accordance with the following schedule:

CONSTRUCTION/STARTUP/ACCEPTANCE:

Major Milestones	Completion Time (calendar days)	Liquidated Damages (Per Day)
1. Substantial Completion	**300**	**$1,000.00**
2. Project Closeout	**360**	**$1,000.00**

The CITY is hereby authorized to deduct the sums described above from the monies which may be due to the CONTRACTOR for the work under this contract. Liquidated damages shall be additive such that the maximum total which may be deducted shall be $1,000.00/day. Other damages for failure to meet warranty conditions as defined in other sections of the Specifications shall also be added with liquidated damages for failure to meet completion times.

4. Restricted Area

The CONTRACTOR shall, in installing the new facilities, confine all activities within the CITY property, easement, and right-of-ways indicated.

5. Existing Facilities and Structures

All existing facilities shall be protected, and if damaged, shall be repaired by the CONTRACTOR at no additional cost to the CITY.

6. Explosives

Explosives shall not be used on this project.

7. Contract Documents

The CITY will provide the CONTRACTOR with one (1) set of Contract Documents after the Notice to Proceed.

8. Required Notifications

When provisions of the pertinent codes, standards or regulations conflict with this Specification, the more stringent shall apply.

Prior to any site work, the CONTRACTOR shall notify the Engineering and Construction Services Division Inspector at (954) 921-3930.

Prior to excavation at the site, the CONTRACTOR shall notify the appropriate utilities and Sunshine State One-Call of Florida, Inc. (formerly U.N.C.L.E.) at 1-800-432-4770 for locations of buried utilities.

Prior to closure of any CITY streets of alleyways, or other activity which requires the diversion of traffic, the CONTRACTOR shall notify and obtain the permission of the CITY of Hollywood Fire and Police Communications Section at (954) 967-4321.

9. Notice of Completion

See attached form.

10. Prevailing Wage Requirement

A. The CONTRACTOR shall be responsible for ensuring payment of the rate of wages and fringe benefits, or cash equivalent, for all laborers, mechanics and apprentices employed by him/her or his/her SUBCONTRACTORS on the work covered by this contract which shall be not less than the prevailing rate of wages and fringe benefits payment or cash equivalent for similar skills or classifications of work as established by the General Wage Decision by the United States Department of Labor for Broward County, Florida that is in effect prior to the date the CITY issued the invitation for bids for this project (the prevailing rate of wages and fringes can be obtained at website http://www.access.gpo.gov/ davisbacon).

If the General Wage Decision fails to provide for a fringe benefit rate for any worker classification, then the fringe benefit rate applicable to such worker classification shall be the fringe benefit rate that has a basic wage rate closest in dollar amount to the work classification for which no fringe benefit rate has been provided.

B. Upon commencement of work, the CONTRACTOR and all of his/her SUB-CONTRACTORS shall post a notice in a prominent place at the work site stating the requirements of this Article.

C. As per the City of Hollywood Code of Ordinances, Prevailing Wage Requirements and Fringe Benefits are applicable to the following: (A) Utilities projects over $1,000,000.00 (one million dollars) and (B) All other projects over $500,000.00 (five hundred thousand dollars).

11. Inspections and Testing During Overtime

A. The following supplement Article 3.15 and 3.16 of the General Conditions:

For weekend work, CONTRACTOR shall submit a written request to the CITY by the preceding Wednesday. A separate request is required for each week that the CONTRACTOR wished to work on a weekend. For evening and holiday work, CONTRACTOR shall submit a written request to the CITY three (3) days in advance. The CITY will provide inspection services for all overtime work and the CONTRACTOR shall pay for inspection services per Article 3.15, no exceptions.

Similarly, Holiday and other overtime work shall be requested a minimum of 36-hours in advance and CITY will provide inspection for all overtime.

B. Exceptions to the hours and days of the week for work and other related limitations are allowed only for tie-ins during low flow periods / early morning hours, coatings that need to be applied during lower temperature times of the day and whenever the Documents specifically define that work shall be completed outside of the limitations for “normal” work hours, days, etc.

Inspection for tie-ins during low flow/early morning and specialty coating application performed during nighttime will not be cause for extra inspection costs unless such work is remedial in nature as a result of defective work.

12. Retainage

After Substantial Completion of the construction services purchased pursuant to this contract, CONTRACTOR may present to CITY a payment request for one-half of the retainage then held by CITY. CITY shall promptly make payment to CONTRACTOR, unless CITY has grounds for withholding the payment of retainage. CITY shall have grounds for withholding the payment of retainage with respect to any amounts that are the subject of a good-faith dispute, the subject of a claim brought pursuant to Florida Statute Section 255.05, or otherwise the subject of a claim or demand by CITY or CONTRACTOR.

At acceptance of Substantial Completion, CITY shall promptly make payment to CONTRACTOR of one-half of the retainage then held by CITY. At acceptance of

completion of all punch list items, CITY shall promptly make payment to CONTRACTOR the balance of retainage then held by CITY.

13. Owner's Contingency (NOT USED)

This allowance is in its entirety dedicated for the use of the Owner (The City of Hollywood) to address conditions (or work) associated with undefined conditions. All work resulting from undefined conditions shall be authorized in writing and in advance by the Owner, specifically the Director of Public Services, through the full execution of a Field Order. The actual amount to be paid per Field Order will be negotiated and agreed by both parties (the Owner and the Contractor). The final/negotiated amount of the field order will be deducted from the Owner's Allowance designated in the Bid Proposal and Schedule of Values. The Owner reserves the right to award none, any portion of, or all of the money associated with this allowance. By executing the CONTRACT between the City of Hollywood and the Contractor, the Contractor acknowledges that under no circumstances he or she should assume that he or she would be entitled to any amounts set aside by the City of Hollywood within the Owner's Allowance.

CERTIFICATE OF SUBSTANTIAL COMPLETION

PROJECT: **ENGINEER:** Engineering & Const. Services Division

TO: **CONTRACTOR:**

CONTRACT FOR:

NOTICE TO PROCEED DATE:

DATE OF ISSUANCE:

PROJECT OR DESIGNATED PORTION SHALL INCLUDE:

Portions of the work performed under this Contract as described above, have been reviewed and found to be substantially complete. The Date of Substantial Completion of Project or designated portion thereof designated above is hereby established as _____ which is also the date of commencement of applicable warranties required by the Contract Documents for the noted area.

DEFINITION OF DATE OF SUBSTANTIAL COMPLETION

> The Date of Substantial Completion of the work or designated portion thereof is the date certified by the ENGINEER ("Date of Issuance" above) when construction is sufficiently complete, in accordance with the Contract Documents, so the CITY can occupy or utilize the work or designated portion thereof for the use for which it is intended, as expressed in the Contract Documents.

A list of items to be completed or corrected, prepared by the CONTRACTOR and verified and amended by the ENGINEER, for the above referenced "Project or Designated Portion" is attached to this form (attached "Punch List" dated _____).

The failure to include any items on such list does not alter the responsibility of the CONTRACTOR to complete all work in accordance with the Contract Documents.

CERTIFICATE OF SUBSTANTIAL COMPLETION

Please note that in accordance with Article 14 General Conditions, the Contractor retains full responsibility for the satisfactory completion of all work regardless of whether the Owner occupies and / or operates a part of the facility and that the taking possession and use of such work shall not be deemed an acceptance of any work not completed in accordance with the Contract Documents.

ENGINEER	**BY**	**DATE**

CONTRACTOR	**BY**	**DATE**

The CITY OF HOLLYWOOD, through the City's authorized representative, accepts the work or designated portion thereof as substantially complete and will assume full possession thereof at _____(time) on _____ _____ (date).

BY	**DATE**

- END OF SECTION -

CITY OF HOLLYWOOD
SOUTHERN REGIONAL WASTEWATER TREATMENT PLANT

CONTRACT DOCUMENTS
TEMPORARY HYPOCHLORITE SYSTEM
CITY PROJECT No. 24-9122

BID SET
ATTACHMENT E - DRAWINGS
DECEMBER 2025

CITY COMMISSION

Josh Levy, Mayor

Caryl S. Shuham, Commissioner

Peter Hernandez, Commissioner

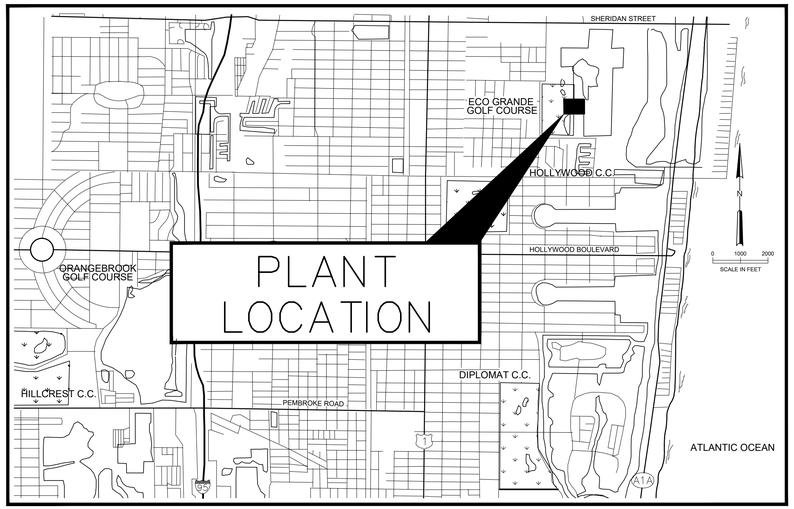
Traci L. Callari, Commissioner

Adam Gruber, Commissioner

Kevin D. Biederman, Commissioner

Idelma Quintana, Commissioner

Vincent Morello, P.E., Director of Public Utilities



SOUTHERN REGIONAL WASTEWATER TREATMENT PLANT
1621 N 14TH AVE,
HOLLYWOOD, FL 33020

LOCATION MAP

NTS

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BOULEVARD,
SUITE 750N
HOLLYWOOD, FL 33021

LIST OF DRAWINGS

DWG No.	TITLE
	GENERAL
G-01	TITLE SHEET, LOCATION MAP AND LOCATION MAP
G-02	LIST OF ABBREVIATIONS, SYMBOLS ANDCALLOUTS IDENTIFICATION
G-03	OVERALL SITE, STAGING AND KEY PLAN
	DEMOLITION
D-01	EXISTING SITE AND DEMO PLAN
	CIVIL
C-01	GENERAL NOTES AND LEGEND
C-02	ENLARGED SITE PLAN AREA A
C-03	ENLARGED SITE PLAN AREA B
C-04	ENLARGED SITE PLAN AREA C
C-05	TYPICAL DETAILS SHEET 1
C-06	TYPICAL DETAILS SHEET 2
C-07	TYPICAL DETAILS SHEET 3
C-08	EROSION CONTROL PLAN
C-09	STORMWATER POLLUTION PREVENTION PLAN - SHEET 1
C-10	STORMWATER POLLUTION PREVENTION PLAN - SHEET 2
	MECHANICAL
M-01	TEMPORARY HYPOCHLORITE SYSTEM ENLARGED PLAN
M-02	TEMPORARY HYPOCHLORITE SYSTEM SECTIONS 1
M-03	TEMPORARY HYPOCHLORITE SYSTEM SECTIONS 2
M-04	TEMPORARY HYPOCHLORITE SYSTEM SECTIONS 3
M-05	TEMPORARY HYPOCHLORITE SYSTEM SECTIONS 4
M-06	INJECTION POINTS 8 & 9 ENALRGED PIPING PLAN
M-07	NaOCl INJECTION DOSING STATION FOR REUSE CCT & NON-POTABLE CCT
M-08	NaOCl INJECTION DOSING STATION FOR REUSE CCT & NON-POTABLE CCT SECTION
M-09	INJECTION POINTS 10A & 10B STRAINERS PIPING PLAN
M-10	CHLORINE BUILDING PLAN
M-11	CHLORINE BUILDING SECTION
M-12	CHLORINE BUILDING PHOTOS
M-13	INJECTION POINT 7B INJECTION WELL DIVERSION BOX PIPING DETAILS
M-14	INJECTION POINT 7A HYDRAULIC BOX PIPING DETAILS
M-15	NaOCl INJECTION DOSING STATION FOR HYDRAULIC BOX & INJECTION DIVERSION
M-16	TYPICAL DETAILS 1
M-17	TYPICAL DETAILS 2
M-18	TYPICAL DETAILS 3
M-19	CHEMICAL SIGNAGE DETAILS
	STRUCTURAL
S-01	NOTES
S-02	TEMPORARY HYPOCHLORITE SYSTEM FOUNDATION PLAN
S-03	TEMPORARY HYPOCHLORITE SYSTEM FLOOR PLAN
S-04	TEMPORARY HYPOCHLORITE SYSTEM SECTIONS - I
S-05	TEMPORARY HYPOCHLORITE SYSTEM SECTIONS - II
S-06	TEMPORARY HYPOCHLORITE SYSTEM SECTIONS - III
S-07	TEMPORARY HYPOCHLORITE SYSTEM DETAILS - I
S-08	TEMPORARY HYPOCHLORITE SYSTEM PIPE BRIDGE DETAILS
S-09	NaOCl INJECTION DOSING STATION FOR REUSE CCT & NON-POTABLE CCT DETAILS
S-10	NaOCl INJECTION DOSING STATION FOR HYDRAULIC BOX & INJECTION DIVERSION DETAILS
S-11	TYPICAL DETAILS SHEET 1
S-12	TYPICAL DETAILS SHEET 2
	ARCHITECTURAL
A-01	TEMPORARY HYPOCHLORITE SYSTEM LINE SAFETY PLAN
	INSTRUMENTATION
I-01	SYMBOLS AND LEGEND
I-02	NETWORK BLOCK DIAGRAM
I-03	SODIUM HYPOCHLORITE BULK STORAGE TANKS P&ID
I-04	SODIUM HYPOCHLORITE FEED SYSTEM P&ID - SHEET 1
I-05	SODIUM HYPOCHLORITE FEED SYSTEM P&ID - SHEET 2
I-06	SODIUM HYPOCHLORITE FEED SYSTEM P&ID - SHEET 3
I-07	SODIUM HYPOCHLORITE FEED & TRANSFER SYSTEM P&ID
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E-02	LEGEND AND SYMBOLS
E-03	SITE PLAN - OVERALL
E-04	TEMPORARY HYPOCHLORITE SYSTEM POWER AND LIGHTING PLAN
E-05	POWER AND CONTROL RISER DIAGRAM SHEET 1
E-06	POWER AND CONTROL RISER DIAGRAM SHEET 2
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E-08	SCHEDULES
E-09	TYPICAL DETAILS SHEET 1
E-10	TYPICAL DETAILS SHEET 2
E-11	TYPICAL DETAILS SHEET 3

GENERAL ABBREVIATIONS

AB	ANCHOR BOLT
AC	ASBESTOS CEMENT
ACT	ACOUSTIC TILE
AD	AREA DRAIN
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AL	ALUMINUM
ALLOW	ALLOWANCE/ALLOWABLE
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASB	ASBESTOS
ASPH	ASPHALT
AT	ASPHALT TILE
B	BORING
BD	BOARD
BFE	BOTTOM OF FITTING ELEVATION
BFV	BUTTERFLY VALVE
BITUM	BITUMINOUS
BL	BASELINE/BUILDING LINE
BLDG	BUILDING
BLK	BLOCK
BM	BENCH MARK
BOC	BACK OF CURB
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BRZ	BRONZE
BSMT	BASEMENT
BT	BOLT
BUR	BUILT-UP ROOFING
BV	BALL VALVE
CAP	CORRIGATED ALUMINUM PIPE
CATV	CABLE TELEVISION
CB	CATCH BASIN
C/C	CENTER TO CENTER
CCFRPM	CENTRIFUGAL CAST FIBERGLASS REINFORCED POLYMER MORTAR
CE	CONSTRUCTION EASEMENT
CEM	CEMENT
CER	CERAMIC
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CI/P	CAST IRON/CUBIC INCHES CAST IRON PIPE
CL	CENTER LINE
CL_2	CHLORINE
CLG	CEILING
CLKG	CAULKING
CLR	CLEAR
CLS	CHLORINE SOLUTION
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORP	CORPORATION
CORR	CORRIDOR
CP	CONCRETE PLANK
CPVC	CHLORINATED POLYVINYL CHLORIDE
CRS	COURSE
CT	CERAMIC TILE
CTJ	CONTROL JOINT
CU	COPPER
CV	CHECK VALVE
CW	COLD WATER
CY	CUBIC YARD
DC	DIRECT CURRENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA (Ø)	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISCH	DISCHARGE
DIST	DISTRIBUTION
DJ	DOUBLE JOIST
DL	DEAD LOAD
DN	DOWN
DOZ	DOZEN
DR	DRAIN
DWG	DRAWING
DWL	DOWEL
E	EAST/EASEMENT
EA	EACH
ECC	ECCENTRIC
EF	EACH FACE
EFF	EFFLUENT
EIP	EXIST IRON PIPE
EL OR ELEV	ELEVATION
ELEC	ELECTRIC/ELECTRICAL
ELL	ELBOW
EMH	ELECTRICAL MANHOLE
ENGR	ENGINEER
ENT	ENTRANCE
EOG	EDGE OF GRAVEL
EOP	EDGE OF PAVEMENT
EQ	EQUAL
EQPT	EQUIPMENT
EW	EACH WAY
EX	EXISTING
EXC	EXCAVATE
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERIOR
FAB	FABRICATE
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FC	FLUSHING CONNECTION
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FF	FINISH FLOOR
FH	FIRE HYDRANT
FIN	FINISH
FIX	FIXTURE
FL	FLASHING/FLOOR
FLEX	FLEXIBLE
FLG	FLANGE
FLUOR	FLUORESCENT
FLXC	FLEXIBLE CONNECTION
FM	FIBER OPTIC CABLE
FOC	FIREPROOF
FRP	FIBERGLASS REINFORCED POLYESTER LAMINATE
FT	FEET
FTG	FOOTING/FITTING
FURR	FURRING/FURRED
G	GAS/GAS LINE
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GI	GALVANIZED IRON
GL	GLASS
GPM	GALLONS PER MINUTE
GR	GRADE
GV	GATE VALVE
GW	GUY WIRE
GWB	GYPSUM WALL BOARD
GWF	GLAZED WALL FINISH
GYP	GYPSUM
H	HEIGHT
HDW	HARDWARE
HEX	HEXAGONAL
HM	HOLLOW METAL
HORZ	HORIZONTAL
HP	HORSEPOWER
HPT	HIGH POINT
HTR	HEATER
HVAC	HEATING,VENTILATION AND AIR CONDITIONING
HW	HOT WATER
HWL	HIGH WATER LEVEL
HWY	HIGHWAY
HYD	HYDRAULIC
I	IRON
ID	INSIDE DIAMETER
IF	INSIDE FACE
IN	INCH
INCL	INCLUDED
INF	INFLUENT
INS	INSULATION
INT	INTERIOR
INV	INVERT
J	JOIST
JB	JUNCTION BOX
JCT	JUNCTION
JT	JOINT
L	LENGTH/ANGLE
LA	LINE AHEAD
LAB	LABORATORY
LAM	LAMINATED
LAT	LATERAL
LAV	LAVATORY
LB	POUND/LINE BACK
LF	LINEAR FEET
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LP	LIGHT POLE
LPT	LOW POINT
LT	LIGHT
LTG	LIGHTING
LVR	LOUVER
LWL	LOW WATER LEVEL
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MET	METAL
MFGR	MANUFACTURER
MG	MILLION GALLONS
MGD	MILLION GALLONS PER DAY
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MLDG	MOLDING
MO	MASONRY OPENING
MOD	MODIFY/MODIFIED
MON	MONUMENT
MOT	MOTOR
MTD	MOUNTED
MTG	MOUNTING
MULT	MULTIPLE
N	NORTH
NA	NOT APPLICABLE
NaOCl	SODIUM HYPOCHLORITE
NaOH	SODIUM HYDROXIDE
NF	NEAR FACE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPW	NON POTABLE WATER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OFF	OFFICE
OPER	OPERATOR
OPNG	OPENING
OPP	OPPOSITE
ORIG	ORIGINAL
OT	OPEN TRUSS
OHE	OVERHEAD ELECTRIC
PAR	PARALLEL
PC	POINT OF CURVE/PIECE
PCC	POINT OF COMPOUND CURVE
PCCP	PRESTRESSED CONCRETE CYLINDER PIPE
PCF	POUNDS PER CUBIC FOOT
PE LINING	POLYETHYLENE LINING
PERF	PERFORATED
PERP	PERPENDICULAR
PI	POINT OF INTERSECTION
PL	PROPERTY LINE/PLATE
PNL	PANEL
PP	POWER POLE
PREFAB	PREFABRICATED
PRV	PRESSURE RELIEF VALVE
PS	PUMPING STATION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENT/POINT
PTN	PARTITION
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PW	POTABLE WATER
QTY	QUANTITY
R	RADIUS/RISER
RCP	REINFORCED CONCRETE PIPE
RD	ROAD/ROOF DRAIN
RECIR	RECIRCULATION
RECP	RECEPTACLE
RECT	RECTANGULAR
RED	REDUCER
REF	REFERENCE
REG	REGISTER
REINF	REINFORCING
REM	REMOVE
REQD	REQUIRED
REST	RESTRAINED
REV	REVISE
RF	ROOF
RFG	ROOFING
RJ	RESTRAINED JOINT
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RT	RIGHT
RTU	REMOTE TERMINAL UNIT
RW	RAW WATER
R/W	RIGHT OF WAY
S	SOUTH/SLOPE
SAN	SANITARY
SBL	SURVEY BASELINE
SCH	SCHEDULE
SD	STORM/SITE DRAIN
SECT	SECTION
SERV	SERVICE
SEW	SEWER
SF	SQUARE FEET
SH	SODIUM HYPOCHLORITE, (NaOCL)
SHT	SHEET
SI	SQUARE INCH
SIM	SIMILAR
SJ	STEEL JOIST
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SEWER
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STG	STORAGE
STIR	STIRRUP
STL	STEEL
STR	STRUCTURAL
SUB	SUBSTITUTE
SUP	SUPPLY
SUPT	SUPERINTENDENT
SUR	SURFACE
SUSP	SUSPENDED
SW	SWITCH
SWBD	SWITCHBOARD
SWD	SIDE WATER DEPTH
SYM	SYMMETRICAL
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TBM	TEMPORARY BENCH MARK
TC	TOP OF CURB
TDH	TOTAL DYNAMIC HEAD
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERATURE
TER	TERRAZZO
THERMO	THERMOSTAT
THK	THICK
THRU	THROUGH
TOD	TOP OF DECK
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY/MANHOLE
TOS	TOP OF SLAB
TOW	TOP OF WALL
TOL	TOLERANCE
TPS	TWISTED PAIR SHIELDED
TRANS	TRANSFORMER
TYP	TYPICAL
UGC	UNDERGROUND CONDUIT
UGE	UNDERGROUND ELECTRIC
UH	UNIT HEATER
UNFIN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
VAC	VACUUM
VAT	VINYL ASBESTOS TILE
VCP	VITRIFIED CLAY PIPE
VEL	VELOCITY
VENT	VENTILATING/VENTILATION
VERT	VERTICAL
VOL	VOLUME
VP	VENT PIPE
VWC	VINYL WALL COVERING
W	WATER/WEST/WIDTH
W/	WITH
WC	WATER CLOSET
WF	WIDE FLANGE
WH	WALL HYDRANT
WI	WROUGHT IRON
WL	WATER LEVEL
W/L	WATER LINE
WO	WINDOW OPENING
W/O	WITHOUT
WP	WATERPROOF
WPFG	WATER PROOFING
WPT	WALL PENETRATING TYPE
WSE	WATER SURFACE ELEVATION
WSP	WEATHERSTRIP
WT	WEIGHT
WV	WATER VALVE
WWF	WELDED WIRE FABRIC
YD	YARD
YR	YEAR

NOTES:

1. NOT ALL ABBREVIATIONS SHOWN ON THIS DRAWING ARE USED ON THIS PROJECT. SEE OTHER DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL ABBREVIATIONS THAT MAY BE USED.
2. SEE DRAWING C-01 FOR CIVIL ABBREVIATIONS.
3. SEE DRAWING E-01 FOR ELECTRICAL ABBREVIATIONS.
4. SEE DRAWING I-01 FOR INSTRUMENTATION ABBREVIATIONS.

SYMBOLS

- SOLENOID
- MOTOR OPERATED
- BALL VALVE
- BALL CHECK VALVE
- BUTTERFLY VALVE/DAMPER
- CHECK VALVE
- CHECK VALVE
- DIAPHRAGM VALVE
- GATE VALVE
- PRESSURE GAUGE SEAL
- PRESSURE GAUGE
- PLUG VALVE
- THREE WAY VALVE
- PRESSURE REDUCING/ RELIEF VALVE
- PRESSURE REGULATING VALVE
- PRESSURE RELIEF VALVE
- MECHANICAL COUPLING
- HARNESSED MECHANICAL COUPLING
- EXPANSION JOINT
- UNION
- FIRE HYDRANT
- MAGNETIC METER
- MANHOLE
- PROPOSED PIPELINE/STRUCTURE
- EXISTING UTILITIES/STRUCTURE
- PROPOSED PIPELINE (DOUBLE LINE IF SCALE OF DRAWING PERMITS)
- PUMP
- FLANGED JOINT
- MECHANICAL JOINT
- PUSH-ON JOINT
- THREADED OR SOCKET WELDED ELBOW JOINT
- PROPOSED STRUCTURE OR FACILITY
- REDUCER (SINGLE LINE)
- REDUCER (DOUBLE LINE)
- CONCRETE PIPE SUPPORT
- QUICK CONNECT
- CATCH BASIN
- FIRE HYDRANT
- LIGHT POLE
- SIGN (UNLESS NOTED)
- WATER METER
- WOOD UTILITY POLE
- WALL MOUNTED LIGHTS

NOTES:

1. STRUCTURAL SYMBOLS SHOWN ON STRUCTURAL DWGS.
2. INSTRUMENTATION SYMBOLS SHOWN ON INSTRUMENTATION DWGS.
3. ELECTRICAL SYMBOLS SHOWN ON ELECTRICAL DWGS.
4. FOR WELDING SYMBOLS USE AMERICAN WELDING.
5. CIVIL SYMBOLS SHOWN ON CIVIL DWGS.

PIPE TYPE ABBREVIATIONS

CI	CAST IRON
CI	CLASS, FOLLOWED BY THE DESIGNATION
CPVC	CHLORINATED POLYVINYL CHLORIDE
DIP	DUCTILE IRON PIPING
FRP	FIBERGLASS REINFORCED PLASTIC
GA	GAUGE, PRECEDED BY THE DESIGNATION
GE	GROOVED END JOINT
HDPE	HIGH DENSITY POLYETHYLENE
PVC	POLYVINYL CHLORIDE
SCH	SCHEDULE, FOLLOWED BY THE DESIGNATION
SST	STAINLESS STEEL
VCP	VITRIFIED CLAY PIPING

EQUIPMENT ABBREVIATIONS

M	MOTOR
MXR	MIXER
P	PUMP

NOTES:

40 CFR 68.87 outlines the responsibilities of contractors and owners/operators when contractors are performing work on or near processes covered by the Risk Management Program (RMP) regulations. Here's a summary:

Application:
This section applies to contractors performing maintenance, repair, turnaround, major renovation, or specialty work on or adjacent to a covered process. It does not apply to incidental services like janitorial work or food services.

Owner or Operator Responsibilities: Selection and Evaluation:
Owners/operators must obtain and evaluate information regarding the contractor's safety performance and programs. Hazard Communication:
They must inform contractors of known potential fire, explosion, or toxic release hazards related to the contractor's work and the process. Safety Practices:
Owners/operators must explain applicable safety provisions and develop safe work practices to control the entrance, presence, and exit of contractors in covered process areas.
Performance Evaluation:
Periodically evaluate the contractor's performance in fulfilling their safety obligations.
Contractor Responsibilities:
Training: Contractors must ensure each employee is trained in the necessary work practices to safely perform their job.
Hazard Awareness:
Contractors must instruct employees on potential fire, explosion, or toxic release hazards and the emergency action plan.
Documentation:
Contractors must document that each employee has received and understood the required training. Safety Compliance: Ensure employees follow the safety rules of the stationary source, including safe work practices.
Hazard Reporting:
Advise the owner/operator of any unique hazards presented by their work or any hazards found during their work. This regulation ensures that both owners/operators and contractors maintain high safety standards to prevent accidents and ensure a safe working environment.

CALLOUTS IDENTIFICATION

VIEW IDENTIFICATION

(1) VIEW CALLOUT IDENTIFIED ON DRAWING AS:

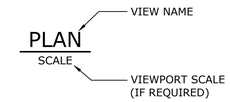
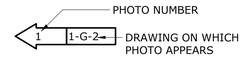
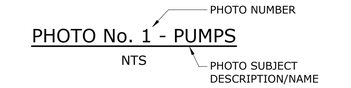


PHOTO IDENTIFICATION

(1) PHOTO DIRECTION ARROW ON DRAWING G-1:

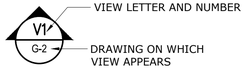


(2) ON DRAWING G-2 THIS PHOTO IS IDENTIFIED AS:

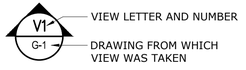


ELEVATION IDENTIFICATION

(1) VIEW ORIENTATION ON DRAWING G-1:

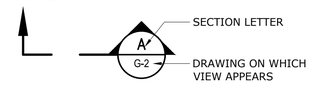


(2) ON DRAWING G-2 THIS VIEW IS IDENTIFIED AS:

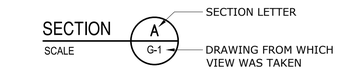


SECTION IDENTIFICATION

(1) SECTION CUT ON DRAWING G-1:



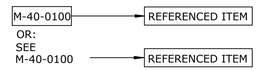
(2) ON DRAWING G-2 THIS SECTION IS IDENTIFIED AS:



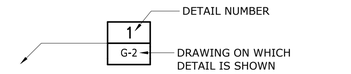
DETAIL IDENTIFICATION

STANDARD DETAILS ARE CROSS REFERENCED IN A SIMILAR MANNER, EXCEPT DETAILS IDENTIFIED BY A SQUARE WITH A NUMBER IN THE UPPER HALF.

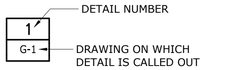
STANDARD DETAILS ARE REFERENCED BY A UNIQUE SEVEN DIGIT NUMBER METHODS:



(1) PROJECT SPECIFIC DETAIL CALL-OUT ON DRAWING G-1 AS:



(2) ON DRAWING G-2 THIS DETAIL IDENTIFIED AS:



REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE — 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

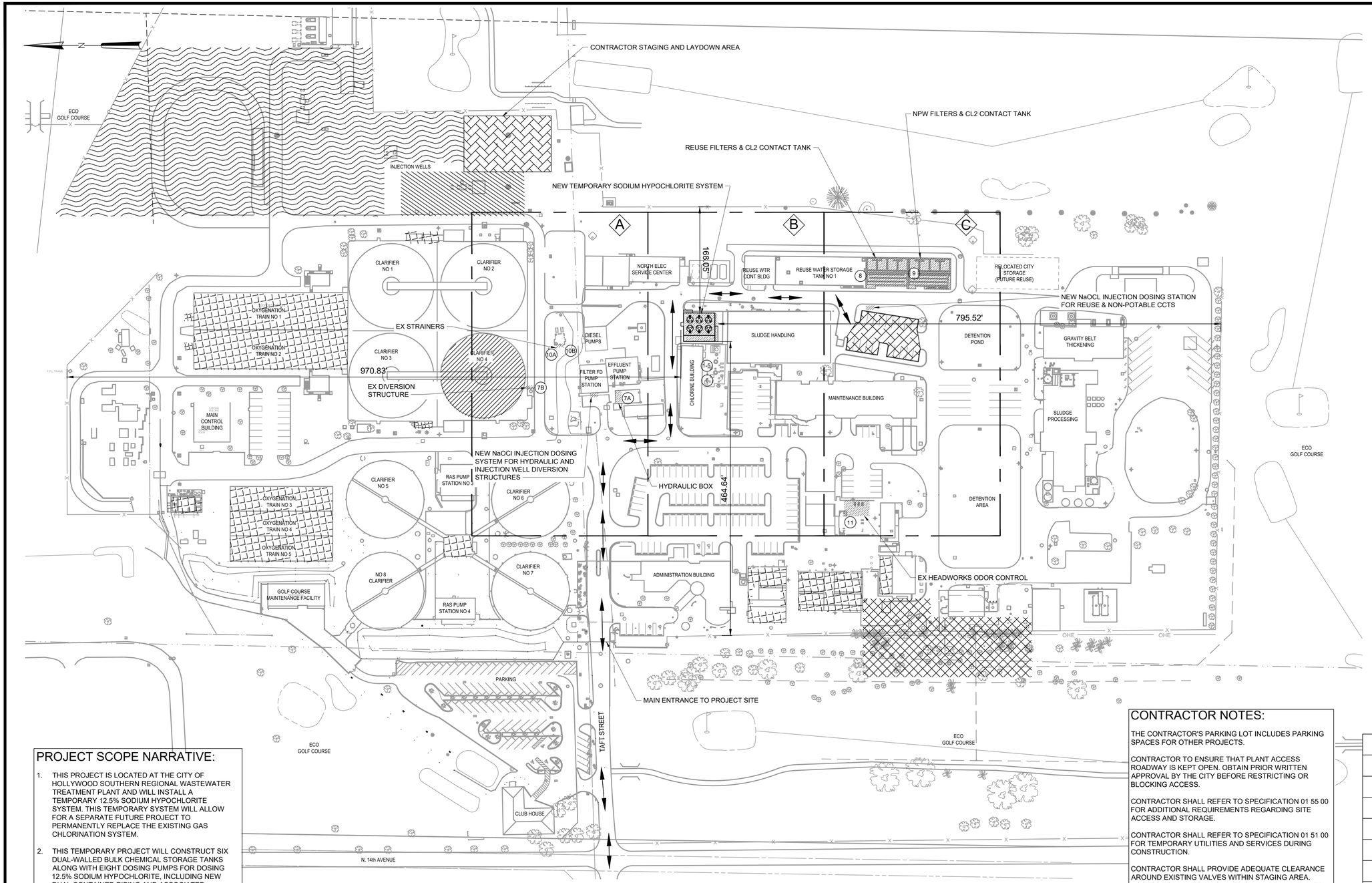
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

GENERAL
LIST OF ABBREVIATIONS, SYMBOLS AND CALLOUTS IDENTIFICATION

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	G-02

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PLOT DATE: 8/8/2025 2:01 PM BY: JCOPPOLA



PLAN
SCALE: 1" = 80'

AREA - DRAWINGS SCHEDULE

AREA PLAN	YARD PIPING AND UTILITY DRAWING NO.	DEMOLITION SITE PLAN DRAWING NO.
A	C-02	N/A
B	C-03	D-01
C	C-04	N/A

LEGEND

- AREA PLAN LIMITS
- CONTRACTOR TRAFFIC FLOW
- NEW OR UPGRADED
- EXISTING

STAGING AND WORK AREAS:

- STAGING AREA
- CONTRACTOR PARKING AREA
- WORK AREA
- INJECTION POINTS
- EMERGENCY BAR SCREEN BY-PASS (BY OTHERS)
- CLARIFIER No. 4 REPAIR (BY OTHERS)
- INJECTION WELL No. 2 REPAIR (BY OTHERS)
- GRIT REMOVAL (BY OTHERS)
- INJECTION WELL PS2 (BY OTHERS)

PROJECT SCOPE NARRATIVE:

1. THIS PROJECT IS LOCATED AT THE CITY OF HOLLYWOOD SOUTHERN REGIONAL WASTEWATER TREATMENT PLANT AND WILL INSTALL A TEMPORARY 12.5% SODIUM HYPOCHLORITE SYSTEM. THIS TEMPORARY SYSTEM WILL ALLOW FOR A SEPARATE FUTURE PROJECT TO PERMANENTLY REPLACE THE EXISTING GAS CHLORINATION SYSTEM.
2. THIS TEMPORARY PROJECT WILL CONSTRUCT SIX DUAL-WALLED BULK CHEMICAL STORAGE TANKS ALONG WITH EIGHT DOSING PUMPS FOR DOSING 12.5% SODIUM HYPOCHLORITE, INCLUDING NEW DUAL CONTAINED PIPING AND ASSOCIATED CONNECTIONS TO EXISTING PLANT CHLORINE DOSING LOCATIONS.
3. THIS CONTRACTOR SHALL FURNISH ALL NECESSARY LABOR, EQUIPMENT, AND MATERIALS FOR A COMPLETE AND OPERABLE SYSTEM.

CONTRACTOR NOTES:

THE CONTRACTOR'S PARKING LOT INCLUDES PARKING SPACES FOR OTHER PROJECTS.

CONTRACTOR TO ENSURE THAT PLANT ACCESS ROADWAY IS KEPT OPEN. OBTAIN PRIOR WRITTEN APPROVAL BY THE CITY BEFORE RESTRICTING OR BLOCKING ACCESS.

CONTRACTOR SHALL REFER TO SPECIFICATION 01 55 00 FOR ADDITIONAL REQUIREMENTS REGARDING SITE ACCESS AND STORAGE.

CONTRACTOR SHALL REFER TO SPECIFICATION 01 51 00 FOR TEMPORARY UTILITIES AND SERVICES DURING CONSTRUCTION.

CONTRACTOR SHALL PROVIDE ADEQUATE CLEARANCE AROUND EXISTING VALVES WITHIN STAGING AREA. ACCESS TO VALVES BY OWNER SHALL BE MAINTAINED AT ALL TIMES.

BACKFILL AND COMPACT WITH NATIVE MATERIAL.

REPAIR ANY ASPHALT, CURB, GUTTER AND/OR SOD DAMAGED DURING CONSTRUCTION.

INJECTION POINT LOCATION TABLE

MARK	CHEMICAL	INJECTION POINT DESCRIPTION
1-5	SODIUM HYPOCHLORITE	RAS STATIONS (1-5)
6	SODIUM HYPOCHLORITE	INFLUENT PRE-CHLORINATION
7A	SODIUM HYPOCHLORITE	HYDRAULIC BOX
7B	SODIUM HYPOCHLORITE	INJECTION WELL DIVERSION BOX
8	SODIUM HYPOCHLORITE	REUSE CHOLRINE CONTACT
9	SODIUM HYPOCHLORITE	NON-POTABLE CONTACT
10A	SODIUM HYPOCHLORITE	STRAINERS
10B	SODIUM HYPOCHLORITE	STRAINERS
11	SODIUM HYPOCHLORITE	HEADWORKS ODOR CONTROL

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0 — 1/2" — 1")

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

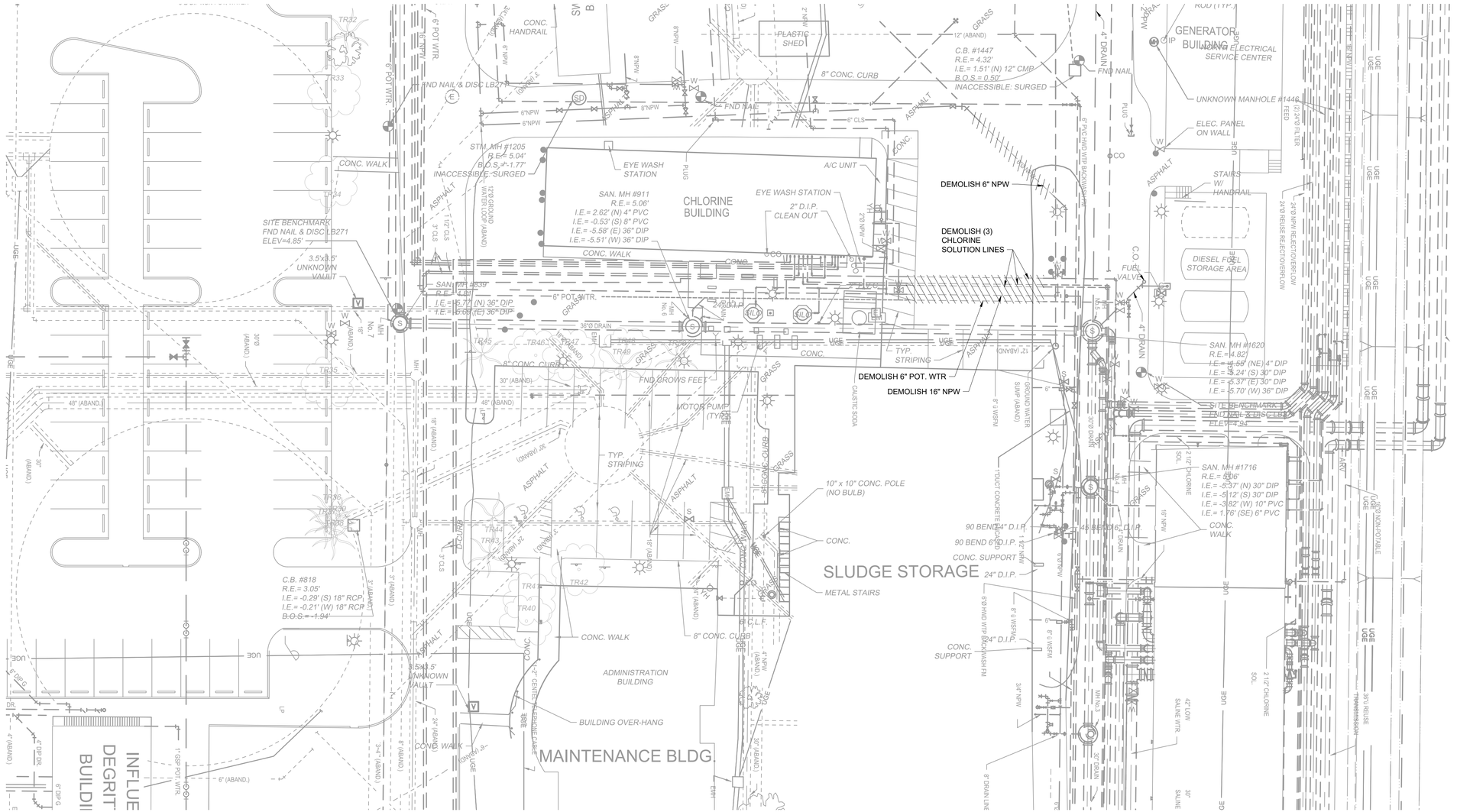
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

GENERAL
OVERALL SITE, STAGING AND KEY PLAN

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	G-03

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PLOT DATE: 12/22/2025 10:47 AM BY: JCOPPOLA



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PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

DEMOLITION
EXISTING SITE AND DEMO PLAN
AREA B

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	D-01

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PLOT DATE: 8/11/2025 2:01 PM BY: JCOPPOLA

LEGEND

EXISTING PIPING LINE TYPES	DESCRIPTION
	SOIL BORING
	CONCRETE UTILITY POLE
× 6.94	EXISTING ELEVATION
	CENTER LINE
FOC OHE	OVERHEAD WIRES
	PROPERTY LINE
	RIGHT-OF-WAY LINE
UGE	UNDERGROUND CONDUIT
GAS	UNDERGROUND GAS PIPE
FM FM FM FM	UNDERGROUND FORCE MAIN
FOC	UNDERGROUND FIBER OPTIC LINE
SS	UNDERGROUND SANITARY SEWER PIPE
SD	UNDERGROUND STORM DRAIN PIPE
UNK	UNDERGROUND UNKNOWN LINE
W	UNDERGROUND WATER PIPE
	MATCH LINE

	EXISTING	DEMO	NEW
ASPHALT PAVEMENT			
BUILDING/STRUCTURE			
CONCRETE CURB			
CONCRETE PAD/PAVEMENT			
CONCRETE SIDEWALK			
CONSTRUCTION ENTRANCE			
EARTH/GRADE			
GRAVEL			
WETLANDS			
SILT FENCE	SF		
SUPER SILT FENCE	SSF	SSF	
DRAINAGE SWALE			
TREE PROTECTION FENCE	TPF	TPF	
LIMITS OF DISTURBANCE	LOD	LOD	

ABBREVIATIONS

EM	ELECTRIC MANHOLE
GM	GAS METER
MB	MAIL BOX
CO	CLEAN OUT
SD	STORM DRAIN
IP	IRON PIN
TR	TRAFFIC SIGNAL
UNK	UNKNOWN
FH	FIRE HYDRANT
YH	YARD HYDRANT
WM	WATER METER
FG	FINISHED GRADE
US	UPSTREAM
DS	DOWNSTREAM
HP	HIGH POINT
ABC	AGGREGATE BASE COURSE

SYMBOLS

	EXISTING	NEW		EXISTING	NEW
BOLLARD/ POST			SEWER MANHOLE		
COMMUNICATION BOX			SEWER VALVE		
COMMUNICATION MANHOLE			STORM FLARED END SECTION		
ELECTRICAL BOX			STORM HEADWALL		
ELECTRICAL GUY WIRE			STORM INLET		
ELECTRIC LIGHT POLE			STORM MANHOLE		
ELECTRICAL MANHOLE			SURVEY BENCHMARK		
ELECTRIC METER			SURVEY HIGHWAY MONUMENT		
ELECTRICAL POWER POLE			SURVEY IRON PIN		
FIBER OPTIC BOX			TELEPHONE BOX		
GAS METER			TELEPHONE MANHOLE		
GAS VALVE			TRAFFIC SIGNAL BOX		
MAIL BOX			UNKNOWN VALVE		
ROAD SIGNAGE			WATER HYDRANT (FIRE)		
			WATER HYDRANT (YARD)		
ROAD MARKINGS			WATER MANHOLE		
			WATER METER		
SEWER AIR RELEASE VALVE			WATER VALVE		
SEWER CLEANOUT			WETLANDS FLAG		

GENERAL NOTES:

1. LOCATION, SIZE, MATERIAL, ALIGNMENT, AND ELEVATIONS OF EXISTING FACILITIES HAVE BEEN DETERMINED FROM AVAILABLE RECORDS. THIS INFORMATION IS FURNISHED AS A GUIDE FOR THE CONTRACTOR. THE ENGINEER AND THE OWNER DO NOT GUARANTEE THE ACCURACY OF THESE DATA. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR DETERMINING THE LOCATION AND PROTECTING ALL TYPES OF UTILITIES AND STRUCTURES ENCOUNTERED DURING THE COURSE OF THIS PROJECT.
2. OBTAIN WRITTEN APPROVAL FROM THE ENGINEER FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
3. FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY REQUIRED PLAN DEVIATIONS.
4. RESTRAINED JOINT PIPE SHALL BE USED FOR ALL PIPING ON THIS PROJECT. PIPE JOINT RESTRAINT USING THRUST BLOCKS SHALL NOT BE PERMITTED.
5. RECORD ELEVATIONS OF EXISTING BURIED UTILITIES AT ALL ENCOUNTERED CROSSINGS WITH NEW WORK.
6. ALL CONNECTIONS TO EXISTING PIPING SHALL BE MADE UNDER THE DIRECTION OF THE OWNER. REFER TO SECTION 01 14 00 FOR CONSTRUCTION SEQUENCING AND CONSTRAINTS REQUIREMENTS AND MANDATORY SHUTDOWN REQUEST FORM.
7. MINIMUM DEPTH OF COVER FOR ALL UNDERGROUND PIPING SHALL BE 36" EXCEPT WHERE SHOWN OTHERWISE ON PLANS.
8. BE RESPONSIBLE AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE WORK FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE.
9. ADJUST TO FINAL GRADE ALL EXISTING UTILITY CASTINGS INCLUDING VALVE BOXES, MANHOLES, HAND HOLES, PULL BOXES, INLETS AND SIMILAR STRUCTURES IN CONSTRUCTION AREA TO BE OVERLAID WITH ASPHALT.
10. CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTY AT ALL TIMES.
11. WHERE PROPOSED WORK IS IN VICINITY OF UTILITY POLES SUCH THAT SUPPORT OF POLES WILL BE REQUIRED, NOTIFY UTILITY OF WORK AND COORDINATE WITH UTILITY FOR SUPPORT OF POLE.
12. DISPOSE OF UNSUITABLE MATERIAL IN A PROPER MANNER.
13. TAKE ALL PRECAUTIONARY MEASURES NECESSARY TO PROTECT EXISTING EQUIPMENT REMAINING IN PLACE FROM DAMAGE. ANY IMPROVEMENTS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE EXPEDITIOUSLY REPAIRED OR RECONSTRUCTED TO THE ENGINEER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE WITHOUT ADDITIONAL COMPENSATION.
14. ALL MATERIALS AND EQUIPMENT TO BE DEMOLISHED SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
15. REFER TO SPECIFICATIONS FOR REQUIREMENTS OF MAINTENANCE OF TRAFFIC.
16. ALL EXISTING UNDERGROUND UTILITIES SHALL BE PROTECTED. IF DAMAGED, UTILITIES SHALL BE RESTORED TO ORIGINAL CONDITIONS OR BETTER.
17. PRIOR TO EXCAVATION, CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 OR (800) 642-2444. COORDINATE WITH UTILITY COMPANIES AFFECTED BY CONSTRUCTION.

ALL BURIED DUCTILE IRON PIPE SHALL BE POLYETHYLENE ENCASED.

EROSION AND SEDIMENTATION CONTROL

1. THE CONTRACTOR IS RESPONSIBLE FOR THE PERMITTING, DESIGN, AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES.
2. COMPLY WITH THE REQUIREMENTS IN THE SPECIFICATION SECTION 31 25 00. TITLED "EROSION AND SEDIMENTATION CONTROL.

PROPERTY INFORMATION NOTES

PROPERTY ADDRESS:
CITY OF HOLLYWOOD
SOUTHERN REGIONAL WASTEWATER TREATMENT PLANT
1621 N 14th AVE, HOLLYWOOD, FL 33020

PROPERTY INFORMATION:
FOLIO: 5142 10 27 0020
ZONING: 89-04

PROPERTY OWNER INFORMATION:
OWNER: CITY OF HOLLYWOOD

PROPERTY LOCATION:
COUNTY: BROWARD
TOWNSHIP: 51
SECTION: 11

THE ELEVATIONS SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE BASED ON THE FOLLOWING BENCHMARK OF ORIGIN:
· BM6. FOUND FDOT PNC MONUMENT, ALUMINUM DISC SET IN CONCRETE STAMPED "86/16/C06", APPROXIMATELY 22 FEET RIGHT OF STATION 149+33.24 ALONG THE BASELINE ESTABLISHED IN FDOT FINANCIAL PROJECT ID 434690-1-52-01 . DISC SET IN FACE OF CONCRETE SIDEWALK AT THE NORTHWEST CORNER OF THE INTERSECTION OF TAFT STREET AND N. 14th AVENUE.
ELEVATION = 3.054FT

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

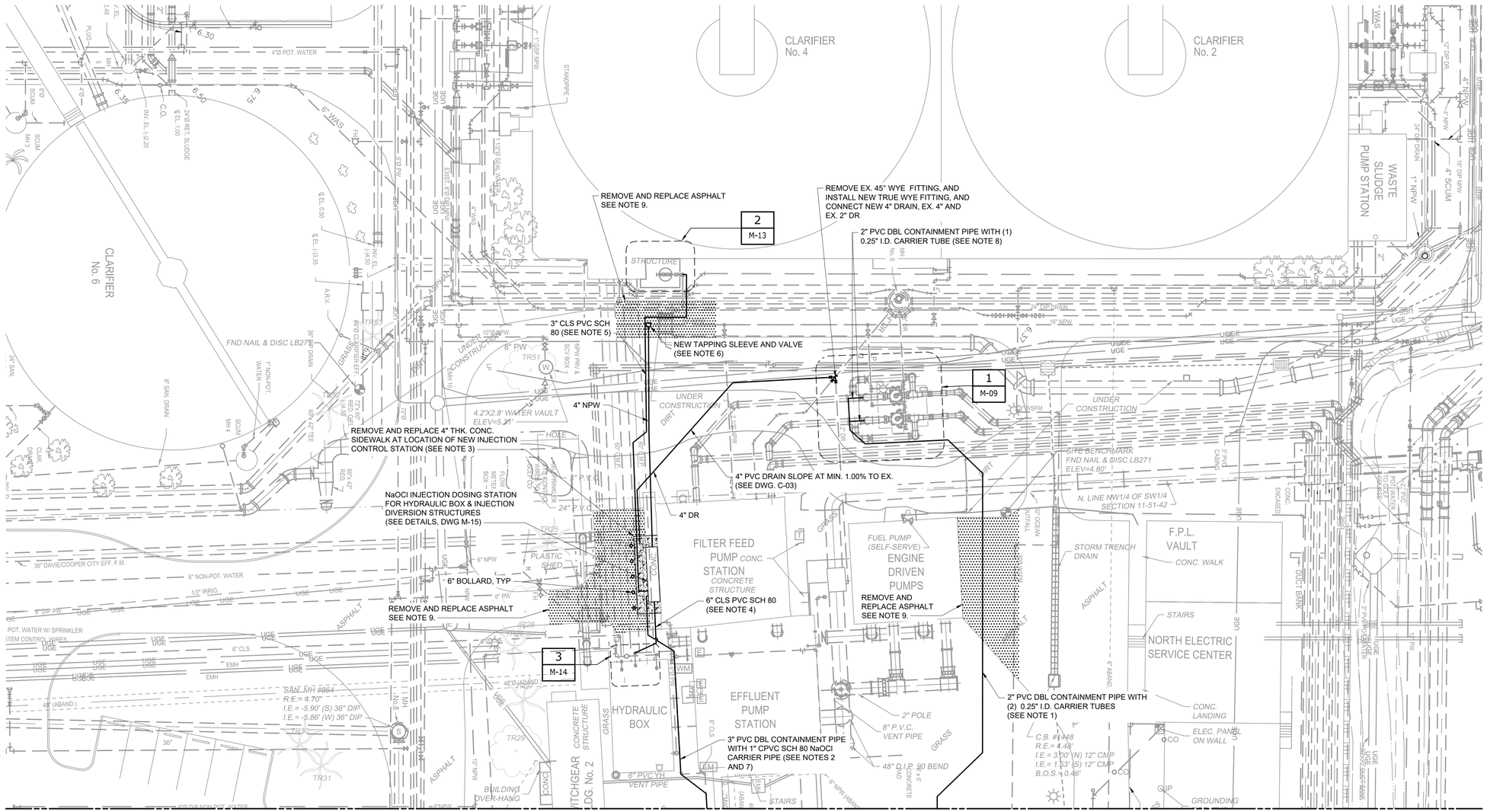
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

CIVIL
GENERAL NOTES AND LEGEND

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	C-01

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PLOT DATE: 8/13/2025 9:29 AM BY: JCOPPOLA



MATCH LINE SEE SHEET C-03

PLAN
SCALE: 1" = 20'

NOTES:

1. EXISTING UNDERGROUND UTILITIES SHOWN ON THIS SHEET ARE APPROXIMATELY LOCATED. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AS NECESSARY TO AVOID CONFLICT WITH NEW BURIED PIPING. CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ALIGNMENT ADJUSTMENT WITH NEW BURIED PIPING AS NECESSARY TO AVOID CONFLICT WITH EXISTING UTILITIES.
2. EXISTING 6" CLS SHALL BE REMOVED WHERE EXISTING ALIGNMENT CONFLICTS WITH NEW 3" DOUBLE CONTAINMENT PIPING AND ABANDONED WHERE SHOWN BETWEEN THE CONNECTION AT THE HYDRAULIC STRUCTURE (DWG C-02) AND THE CHLORINE BUILDING (THIS SHEET).
3. REMOVE EXISTING SIDEWALK TO NEAREST CONTROL OR EXPANSION JOINT AS NECESSARY TO INSTALL NEW NaOCl INJECTION DOSING STATION CONTAINMENT PAD. SEQUENCE INSTALLATION OF NEW REALIGNED CONCRETE SIDEWALK AFTER COMPLETION OF NEW NaOCl INJECTION DOSING STATION CONTAINMENT PAD AND ASSOCIATED BURIED PIPING.
4. CONNECT NEW 6" CLS PVC SCH 80 PIPE FROM NEW NaOCl DOSING STATION TO EXISTING 6" CLS CONNECTION POINT AT HYDRAULIC BOX BELOW GROUND.
5. CONNECT NEW 3" CLS PVC SCH 80 PIPE FROM NEW NaOCl DOSING STATION TO EXISTING 3" CLS CONNECTION POINT AT INJECTION WELL DIVERSION STRUCTURE.
6. INSTALL NEW 16" x 4" TAPPING SLEEVE AND RESILIENT WEDGE TAPPING GATE VALVE TO EXISTING 16" NPW. PROVIDE ADJUSTABLE VALVE BOX TO GRADE.
7. INSTALL NEW 3" PVC SCH 40 CONTAINMENT PIPE WITH 1" CPVC SCH 80 CARRIER PIPE FROM EFFLUENT PUMP STATION METERING PUMPS AT THE NEW TEMP SODIUM HYPOCHLORITE FACILITY (DWG C-03) TO THE NEW NaOCl DOSING STATION (THIS SHEET).
8. INSTALL NEW 2" PVC SCH 40 CONTAINMENT PIPE WITH (1) OR (2) 0.25" I.D. CARRIER TUBING (PER PLAN) FROM FROM REUSE AND NONPOTABLE PRE-CHLORINATION METERING PUMPS AT THE NEW TEMP SODIUM HYPOCHLORITE FACILITY (DWG C-03) TO THE FILTER FEED PIPING CONNECTIONS (THIS SHEET).
9. REPLACE ASPHALT AS NEEDED TO INSTALL CIVIL PIPING. ENSURE TRENCH AND ADJACENT STRUCTURES STABILITY AND INTEGRITY. RESURFACE A MINIMUM OF 12.5' BEYOND ANY OPEN CUT LIMITS IN ALL DIRECTIONS. REFER TO DETAIL C-01-0106 ON SHEET C-05.

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

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Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
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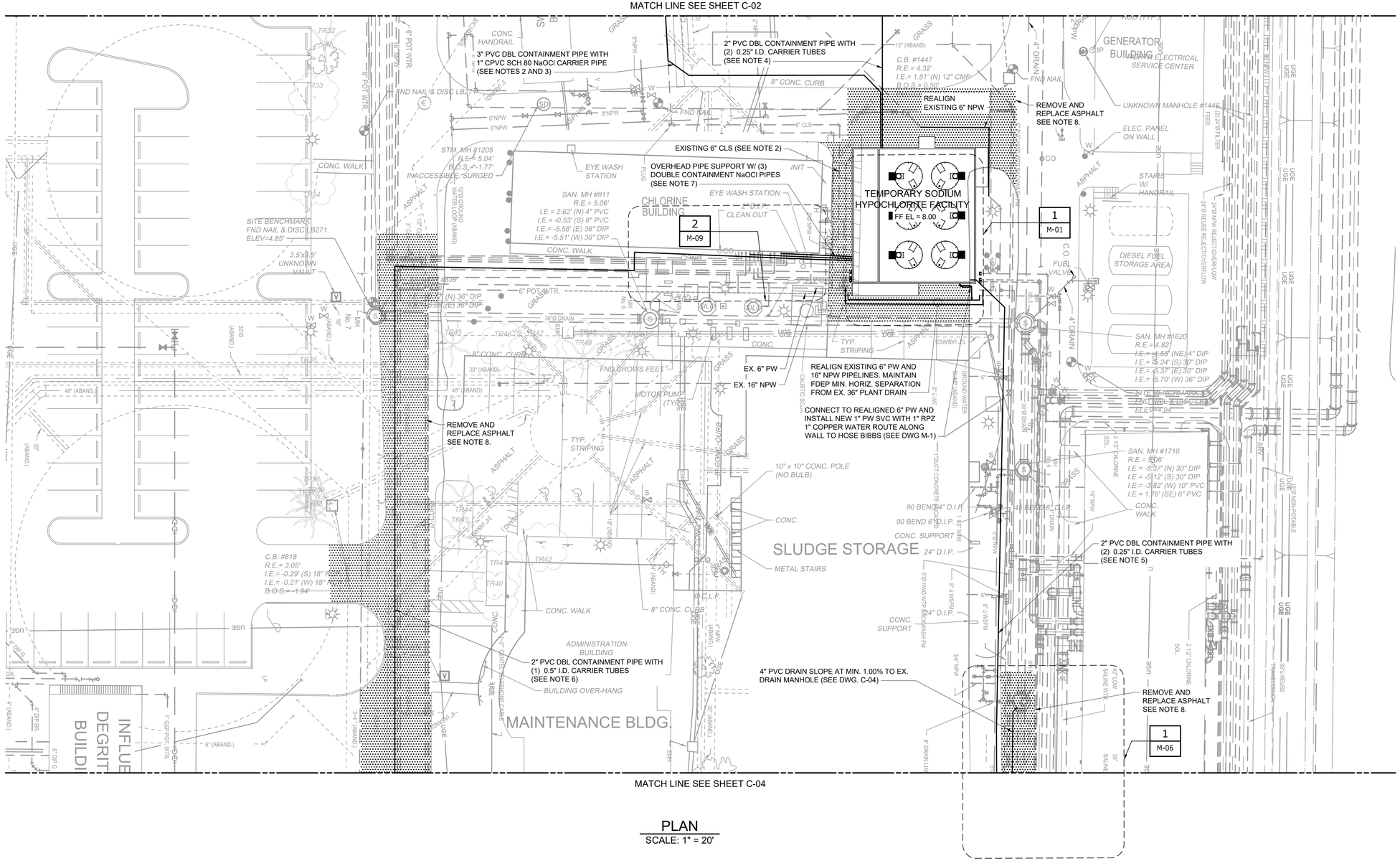
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

CIVIL
ENLARGED SITE PLAN
AREA A

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	C-02

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PLOT DATE: 8/12/2025 5:24 PM BY: JCOPPOLA



NOTES:

1. EXISTING UNDERGROUND UTILITIES SHOWN ON THIS SHEET ARE APPROXIMATELY LOCATED. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AS NECESSARY TO AVOID CONFLICT WITH NEW BURIED PIPING. CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ALIGNMENT ADJUSTMENT WITH NEW BURIED PIPING AS NECESSARY TO AVOID CONFLICT WITH EXISTING UTILITIES.
2. EXISTING 6" CLS SHALL BE REMOVED WHERE EXISTING ALIGNMENT CONFLICTS WITH NEW 3" DOUBLE CONTAINMENT PIPING AND ABANDONED WHERE SHOWN BETWEEN THE CONNECTION AT THE HYDRAULIC STRUCTURE (DWG C-02) AND THE CHLORINE BUILDING (THIS SHEET).
3. INSTALL NEW 3" PVC SCH 40 CONTAINMENT PIPE WITH 1" CPVC SCH 80 CARRIER PIPE FROM EFFLUENT PUMP STATION METERING PUMPS AT THE NEW TEMP SODIUM HYPOCHLORITE FACILITY (THIS SHEET) TO THE NEW NaOCl DOSING STATION (DWG C-02).
4. INSTALL NEW 2" PVC SCH 40 CONTAINMENT PIPE WITH (2) 0.25" I.D. CARRIER TUBING (PER PLAN) FROM REUSE AND NONPOTABLE PRE-CHLORINATION METERING PUMPS AT THE NEW TEMP SODIUM HYPOCHLORITE FACILITY (THIS SHEET) TO THE FILTER FEED PIPING CONNECTIONS (DWG C-02).
5. INSTALL NEW 2" PVC SCH 40 CONTAINMENT PIPE WITH (2) 0.25" I.D. CARRIER TUBING (PER PLAN) FROM REUSE AND NON-POTABLE CCT METERING PUMPS AT THE NEW TEMP SODIUM HYPOCHLORITE FACILITY (THIS SHEET) TO THE NEW NaOCl DOSING STATION (DWG C-04).
6. INSTALL NEW 2" PVC SCH 40 CONTAINMENT PIPE WITH (1) 0.5" I.D. CARRIER TUBING (PER PLAN) FROM HEADWORKS ODOR CONTROL METERING PUMPS AT THE NEW TEMP SODIUM HYPOCHLORITE FACILITY (THIS SHEET) TO THE HEADWORKS ODOR CONTROL DOSING POINT (DWG C-04).
7. SEE OVERHEAD PIPE SUPPORT DETAILS, ON DWG S-12. SUPPORTED PIPE TO INCLUDE THE FOLLOWING:
   A) 2" PVC SCH 40 CONTAINMENT PIPE WITH (1) 0.5" I.D. CARRIER TUBING TO HEADWORKS ODOR CONTROL
   B) 2" PVC SCH 40 CONTAINMENT PIPE WITH 0.5" I.D. TUBING TO DOSING POINT AT EXIST. 3" CLS TO INFLUENT PUMP STATION.
   C) 2" PVC SCH 40 CONTAINMENT PIPE WITH 0.5" I.D. TUBING TO VALVE PANEL AND DOSING POINTS AT EXIST. 3" CLS PIPES TO RAS 1, 2, 3, 4, AND 5 LOCATIONS.
8. REPLACE ASPHALT AS NEEDED TO INSTALL CIVIL PIPING. ENSURE TRENCH AND ADJACENT STRUCTURES STABILITY AND INTEGRITY. RESURFACE A MINIMUM OF 12.5' BEYOND ANY OPEN CUT LIMITS IN ALL DIRECTIONS. REFER TO DETAIL C-01-0106 ON SHEET C-05.

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0 1/2" 1")

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

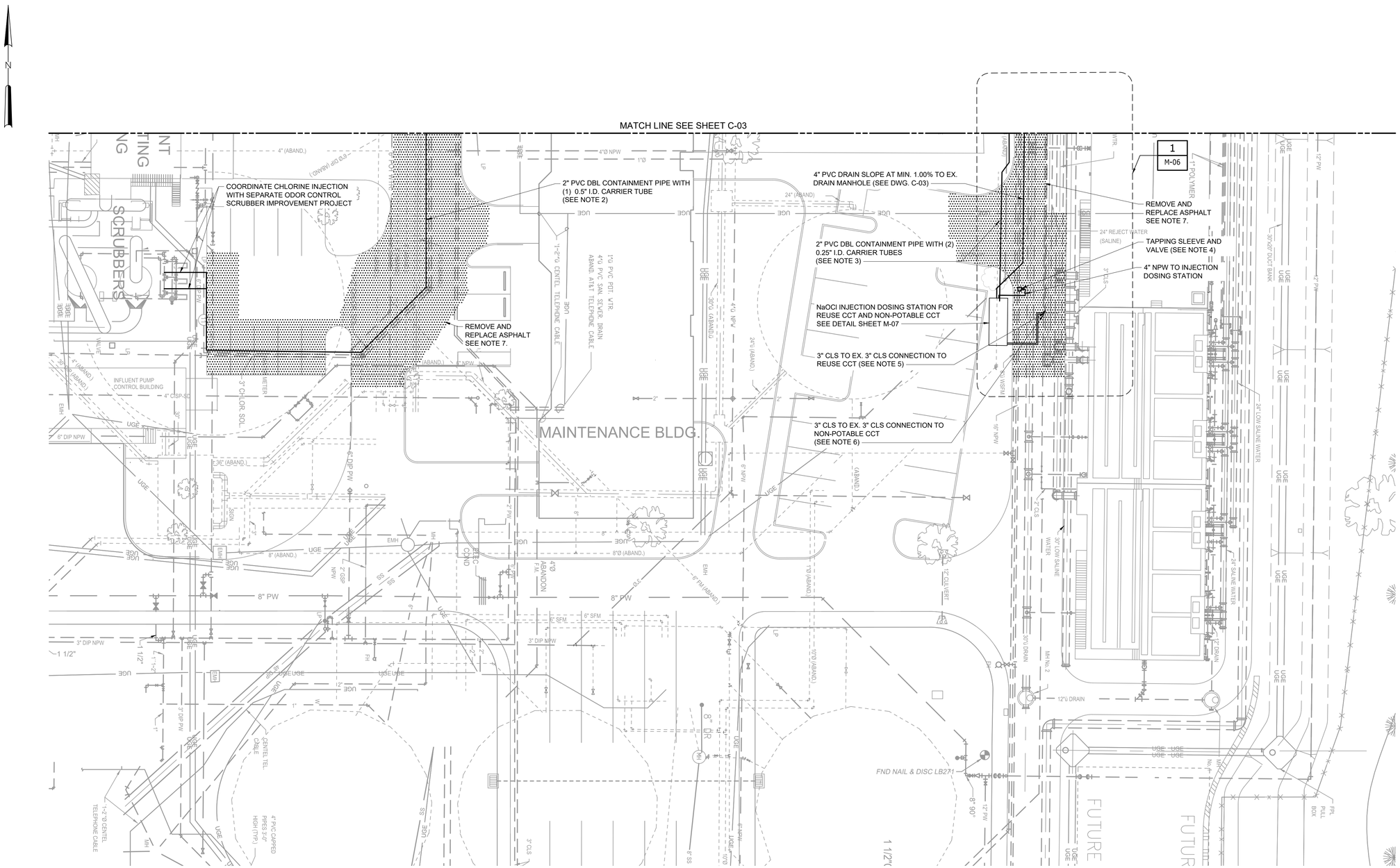
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

CIVIL
ENLARGED SITE PLAN
AREA B

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	C-03

File: C:\USERS\JCOPPOLA\DCACCDOCS\HAZEN AND SAWYER\04321-111\PROJECT FILES\1-DESIGN\01-HAZEN\CIVIL\04321-111-C-03 Saved by JCOPPOLA Save date: 8/11/2025 11:52 AM
PLOT DATE: 8/12/2025 4:59 PM BY: JCOPPOLA



PLAN
SCALE: 1" = 20'

NOTES:

1. EXISTING UNDERGROUND UTILITIES SHOWN ON THIS SHEET ARE APPROXIMATELY LOCATED. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AS NECESSARY TO AVOID CONFLICT WITH NEW BURIED PIPING. CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ALIGNMENT ADJUSTMENT WITH NEW BURIED PIPING AS NECESSARY TO AVOID CONFLICT WITH EXISTING UTILITIES.
2. INSTALL NEW 2" PVC SCH 40 CONTAINMENT PIPE WITH (1) 0.5" I.D. CARRIER TUBING (PER PLAN) FROM HEADWORKS ODOR CONTROL METERING PUMPS AT THE NEW TEMP SODIUM HYPOCHLORITE FACILITY (DWG C-03) TO THE HEADWORKS ODOR CONTROL CONNECTION (THIS SHEET).
3. INSTALL NEW 2" PVC SCH 40 CONTAINMENT PIPE WITH (2) 0.25" I.D. CARRIER TUBING (PER PLAN) FROM REUSE AND NON-POTABLE CCT METERING PUMPS AT THE NEW TEMP SODIUM HYPOCHLORITE FACILITY (DWG C-03) TO THE NEW NaOCl DOSING STATION (THIS SHEET).
4. INSTALL NEW 16" x 4" TAPPING SLEEVE AND RESILIENT WEDGE TAPPING GATE VALVE TO EXISTING 16" NPW. PROVIDE ADJUSTABLE VALVE BOX TO GRADE. RUN 4" PVC C900 PC 235 (DR18) BELOW GROUND AND DUCTILE IRON PIPE FOR VERTICAL RISERS AND ABOVE GROUND WITH DI FITTINGS (MJ RESTRAINED BELOW GRADE AND CL 125 FLG ABOVE GRADE).
5. CONNECT NEW 3" CLS PVC SCH 80 PIPE FROM NEW NaOCl DOSING STATION TO EXISTING 3" CLS CONNECTION POINT BELOW GROUND TO REUSE CCT DIFFUSER.
6. CONNECT NEW 3" CLS PVC SCH 80 PIPE FROM NEW NaOCl DOSING STATION TO EXISTING 3" CLS CONNECTION POINT BELOW GROUND TO NON-POTABLE CCT DIFFUSER.
7. REPLACE ASPHALT AS NEEDED TO INSTALL CIVIL PIPING. ENSURE TRENCH AND ADJACENT STRUCTURES STABILITY AND INTEGRITY. RESURFACE A MINIMUM OF 12.5' BEYOND ANY OPEN CUT LIMITS IN ALL DIRECTIONS. REFER TO DETAIL C-01-0106 ON SHEET C-05.

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0 — 1/2" — 1")

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

CIVIL
ENLARGED SITE PLAN
AREA C

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	C-04

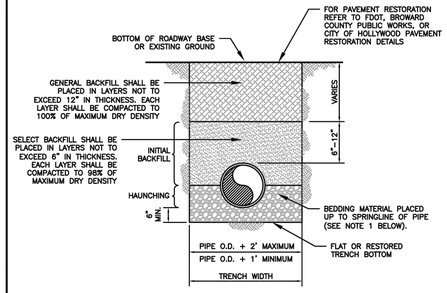
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PLOT DATE: 8/12/2025 4:58 PM BY: JCOPPOLA

WATER MAIN SEPARATION IN ACCORDANCE WITH F.A.C. RULE 62-555.314

OTHER PIPE	HORIZONTAL SEPARATION	CROSSING (1), (4)	JOINT SPACING @ CROSSING (FULL JOINT CENTERED) (8)
STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER (2)	WATER MAIN — 3 ft minimum	WATER MAIN — 12 inches is the minimum except for storm sewer, then 6 inches is the minimum and 12 inched is preferred	Alternate 3 ft minimum — WATER MAIN
GRAVITY SANITARY SEWER, (3) SANITARY SEWER FORCE MAIN, RECLAIMED WATER	WATER MAIN — 10 ft prefered 6 ft minimum	WATER MAIN — 12 inches is the minimum except for gravity sewer, then 6 inches is the minimum and 12 inched is preferred	Alternate 6 ft minimum — WATER MAIN
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 ft minimum	———	———

1. WATER MAIN SHOULD CROSS ABOVE OTHER PIPE, WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
2. RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
3. 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
4. 18" VERTICAL MINIMUM SEPARATION REQUIRED BY CITY OF HOLLYWOOD, UNLESS OTHERWISE APPROVED.
5. A MINIMUM 6 FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
6. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
7. WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN A PARALLEL INSTALLATIONS, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SANITARY SEWER OR FORCE MAIN SHALL BE CONSTRUCTED OF DIP WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER. JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).
8. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE MECHANICALY RESTRAINED.

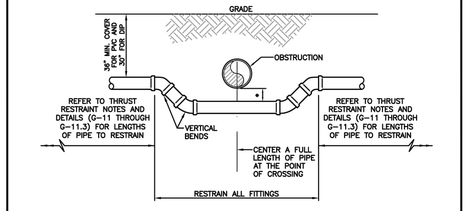
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2017
DRAWN: EAM	SEPARATION REQUIREMENTS OF F.D.E.P.	DRAWING NO. G-01.1
APPROVED: XXX		



NOTES:

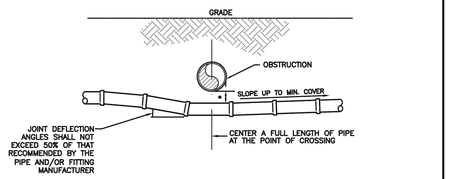
1. WHEN PIPE INSTALLATION IS ABOVE THE GROUND WATER TABLE ELEVATION, OR WHENEVER BEDDING COPPER PIPE UNDER ANY CONDITION, BEDDING MATERIAL SHALL BE CLEAN SANDY SOIL IF AVAILABLE WITHIN THE LIMITS OF CONSTRUCTION. IMPORTED BEDDING SHALL BE WELL GRADED, WASHED CRUSHED STONE (OR DRAINFIELD LIMEROCK). CRUSHED STONE SHALL CONSIST OF HARD, DURABLE, SUB-ANGULAR PARTICLES OF PROPER SIZE AND GRADATION, AND SHALL BE FREE FROM ORGANIC MATERIAL, WOOD, TRASH, SAND, LOAM, CLAY, EXCESS FINES, AND OTHER DELETERIOUS MATERIALS.
2. ALL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BEFORE ANY PIPE IS LAID. FOR ADDITIONAL MATERIAL SPECIFICATIONS REFER TO SPECIFICATION SECTION 02222, "EXCAVATION AND BACKFILL FOR UTILITIES".
3. DENSITY TESTING SHALL BE IN ACCORDANCE WITH AASHTO T-180 AND ASTM D-3017.
4. BACKFILL TO COMPLY WITH FDOT DESIGN STANDARD 125-8.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	PIPE LAYING CONDITION TYPICAL SECTION (P.V.C.)	DRAWING NO. G-03
APPROVED: XXX		



UTILITY CROSSING USING FITTINGS

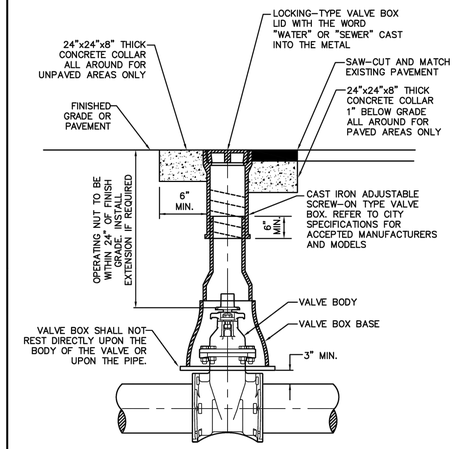
* REFER TO STANDARD DETAIL G-01.1, "SEPARATION REQUIREMENTS", FOR FDEP AND HEALTH DEPARTMENT SEPARATION REQUIREMENTS.



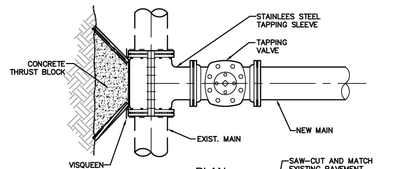
UTILITY CROSSING USING JOINT DEFLECTIONS

* REFER TO STANDARD DETAIL G-01.1, "SEPARATION REQUIREMENTS", FOR FDEP AND HEALTH DEPARTMENT SEPARATION REQUIREMENTS.

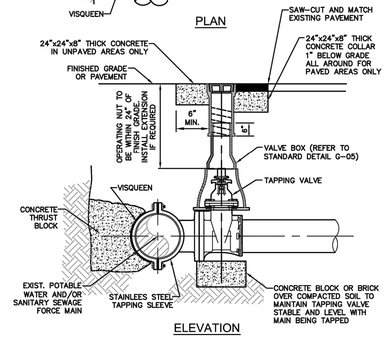
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	UTILITY CROSSING DETAIL	DRAWING NO. G-04
APPROVED: XXX		



ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	TYPICAL VALVE BOX SETTING	DRAWING NO. G-05
APPROVED: XXX		



PLAN

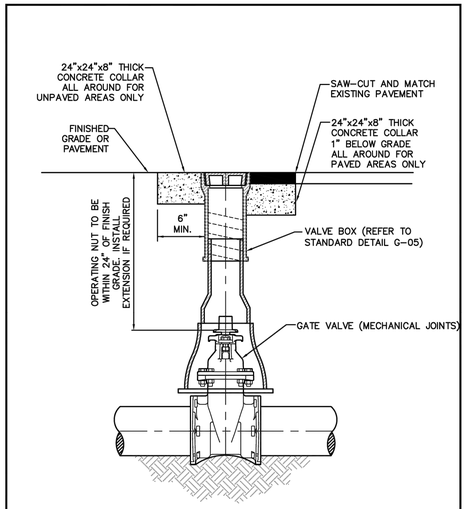


ELEVATION

NOTES:

1. NOTIFY THE CITY OF HOLLYWOOD 48 HOURS IN ADVANCE OF PROPOSED TAP.
2. TAPPING MUST BE DONE IN THE PRESENCE OF AN AUTHORIZED CITY REPRESENTATIVE.
3. TEMPORARY THRUST BLOCKS TO BE INSTALLED AND REMAIN IN PLACE DURING TAPPING OPERATIONS.
4. FOR SEWAGE FORCE MAINS, REFER TO DETAIL OF PRIVATE FORCE MAIN TIE-IN AT PROPERTY LINE.
5. FOR WATER MAINS, A GATE VALVE OF SAME DIAMETER SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF THE TAPPING VALVE.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	TYPICAL TAPPING SLEEVE AND VALVE SETTING	DRAWING NO. G-06
APPROVED: XXX		



ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	TYPICAL GATE VALVE AND VALVE BOX SETTING	DRAWING NO. G-07
APPROVED: XXX		

RESILIENT SEATED GATE VALVE SPECIFICATIONS:

4" THROUGH 12" SIZE
(WATER AND FORCE MAIN)

1. GATE VALVES SHALL BE RESILIENT SEATED, MANUFACTURED TO MEET OR EXCEED THE REQUIREMENTS OF AWWA C509 (LATEST REVISION) AND IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

1.1. VALVES SHALL HAVE AN UNOBSTRUCTED WATERWAY EQUAL TO OR GREATER THAN THE FULL NOMINAL DIAMETER OF THE VALVE.

1.2. THE VALVES ARE TO BE NON-RISING STEM WITH THE STEM MADE OF CAST, FORGED OR ROLLED BRONZE SHOWN IN AWWA C509, TWO STEM SEALS SHALL BE PROVIDED AND SHALL BE OF THE O-RING TYPE, ONE ABOVE AND ONE BELOW THE THRUST COLLAR WITH LUBRICANT BETWEEN O-RING.

1.3. THE STEM NUT, ALSO MADE OF BRONZE, MAY BE INDEPENDENT OF THE GATE OR CAST INTEGRALLY WITH THE GATE. IF THE STEM NUT IS CAST INTEGRALLY, THE THREADS SHALL BE STRAIGHT AND TRUE WITH THE AXIS OF THE STEM TO AVOID BINDING DURING THE OPENING OR CLOSING CYCLE.

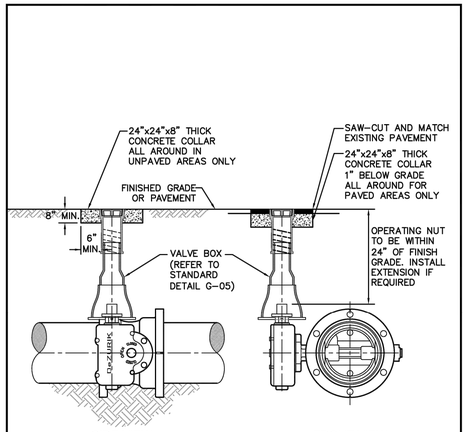
1.4. THE SEALING MECHANISM SHALL CONSISTS OF A CAST IRON GATE HAVING A VULCANIZED SYNTHETIC RUBBER COATING OR A RUBBER SEAT MECHANICALLY RETAINED ON THE GATE, THE RESILIENT SEALING MECHANISM SHALL PROVIDE ZERO LEAKAGE AT THE WATER WORKING PRESSURE WHEN INSTALLED WITH THE LINE FLOW IN EITHER DIRECTION.

1.5. A 2-INCH SQUARE WRENCH NUT SHALL BE PROVIDED FOR OPERATING THE VALVE.

1.6. ALL VALVES ARE TO BE SUPPLIED COMPLETE AND READY FOR INSTALLATION INCLUDING, BUT NOT LIMITED TO ALL NUTS, BOLTS RINGS AND RUBBERS.

1.7. ALL VALVES ARE TO BE TESTED IN STRICT ACCORDANCE WITH AWWA C509 LATEST REVISION).

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	RESILIENT SEATED GATE VALVE SPECIFICATIONS	DRAWING NO. G-07.1
APPROVED: XXX		



SIDE VIEW FRONT VIEW

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	TYPICAL BUTTERFLY VALVE SETTING	DRAWING NO. G-08
APPROVED: XXX		

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER: J. BOWDAN
DESIGNED BY: A. QIU
DRAWN BY: J. COPPOLA
CHECKED BY: P. COOKE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

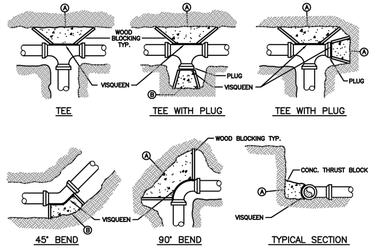
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

CIVIL
TYPICAL DETAILS 1

DATE: DECEMBER 2025
HAZEN NO.: 4321-111
CONTRACT NO.: 22-8073
DRAWING NUMBER: C-05

File: C:_DCACCDOCS\HAZEN AND SAWYER\04321-111\PROJECT FILES\1-DESIGN\01-HAZEN\CIVIL\04321-111-C-05 Saved by: JCOPPOLA Save date: 12/16/2025 4:45 PM
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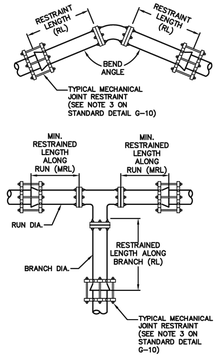
MINIMUM CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL (SQ. FT.)				
MARK	PIPE SIZE			
	4" OR 6"	8"	10"	12"
A				
B				

NOTES:

1. THRUST BLOCKS ARE TO BE USED IN COMBINATION WITH, AND NOT IN LIEU OF, MECHANICAL JOINT RESTRAINTS AS REQUIRED BY THE CITY. REFER TO THRUST RESTRAINT DESIGN TABLE IN STANDARD DETAIL G-10.
2. THE AREAS IN THE TABLE ARE BASED ON _____ POUNDS PER SQUARE FOOT SOIL BEARING AGAINST THE UNDISTURBED TRENCH WALL AND ARE TO REPRESENT THE MINIMUM VERTICAL PROJECTED AREA AT THE THRUST BLOCK IN A PLANE PERPENDICULAR TO THE LINE BISECTING THE INCLUDING ANGLE OF THE FITTING.
3. POUR THRUST BLOCKS AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EVACUATE LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
4. ON BENDS AND TEES, EXTEND THRUST BLOCKS FULL LENGTH OF FITTING.
5. DO NOT COVER COUPLING OR JOINTS WITH CONCRETE.
6. CONCRETE TO BE 2500 P.S.I. MINIMUM 28 DAY STRENGTH.
7. TABLE TO BE COMPLETED BY DESIGN ENGINEER.

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	THRUST BLOCK DESIGN	DRAWING NO. G-10
APPROVED: XXX		

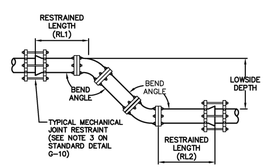
HORIZONTAL BENDS			
PIPE DIA. (INCHES)	BEND (ANGLE)	RESTRAINED LENGTH (RL) (FT)	
		PVC	*DIP
24	11¼	.	.
	22½	.	.
	45	.	.
	90	.	.
16	11¼	.	.
	22½	.	.
	45	.	.
	90	.	.
12	11¼	.	.
	22½	.	.
	45	.	.
	90	.	.
8	11¼	.	.
	22½	.	.
	45	.	.
	90	.	.
6	11¼	.	.
	22½	.	.
	45	.	.
	90	.	.
4	11¼	.	.
	22½	.	.
	45	.	.
	90	.	.



TEES AND TAPPING SLEEVES									
RUN DIA. (INCHES)	BRANCH DIA. (INCHES)	MINIMUM RESTRAINED LENGTH ALONG RUN (FT.)	MINIMUM RESTRAINED LENGTH ALONG BRANCH (FT.)		RUN DIA. (INCHES)	BRANCH DIA. (INCHES)	MINIMUM RESTRAINED LENGTH ALONG RUN (FT.)	MINIMUM RESTRAINED LENGTH ALONG BRANCH (FT.)	
			PVC	*DIP				PVC	*DIP
24"	24"		.	.	12"	12"	.	.	.
	16"	.	.	.		8"	.	.	.
	12"	.	.	.		6"	.	.	.
	8"	.	.	.		4"	.	.	.
	6"	.	.	.	8"	8"	.	.	.
	4"	.	.	.		6"	.	.	.
16"	16"	.	.	.		4"	.	.	.
	12"	.	.	.	6"	6"	.	.	.
	8"	.	.	.		4"	.	.	.
	6"	.	.	.	4"	4"	.	.	.
	4"	.	.	.			.	.	.

*ALL DIP JOINT–RESTRAINT CALCULATIONS ASSUME THE PIPE WILL BE WRAPPED IN POLYETHYLENE ENCASEMENT

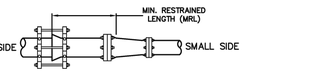
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	JOINT RESTRAINT DESIGN FOR PVC AND DIP HORIZONTAL BENDS AND TEES	DRAWING NO. G-11.1
APPROVED: XXX		



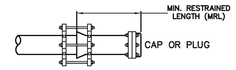
VERTICAL OFFSETS						
PIPE DIA. (INCHES)	BEND (ANGLE)	LOWSIDE DEPTH (FT)	PVC		*DIP	
			RESTRAINED LENGTHS		RESTRAINED LENGTHS	
			RL1 (FT.)	RL2 (FT.)	RL1 (FT.)	RL2 (FT.)
24	45	4	.	.	.	.
		5	.	.	.	.
		6	.	.	.	.
		7	.	.	.	.
16	45	4	.	.	.	.
		5	.	.	.	.
		6	.	.	.	.
		7	.	.	.	.
12	45	4	.	.	.	.
		5	.	.	.	.
		6	.	.	.	.
		7	.	.	.	.
8	45	4	.	.	.	.
		5	.	.	.	.
		6	.	.	.	.
		7	.	.	.	.
6	45	4	.	.	.	.
		5	.	.	.	.
		6	.	.	.	.
		7	.	.	.	.
4	45	4	.	.	.	.
		5	.	.	.	.
		6	.	.	.	.
		7	.	.	.	.

*ALL DIP JOINT–RESTRAINT CALCULATIONS ASSUME THE PIPE WILL BE WRAPPED IN POLYETHYLENE ENCASEMENT

ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	JOINT RESTRAINT DESIGN FOR PVC AND DIP VERTICAL OFFSETS	DRAWING NO. G-11.2
APPROVED: XXX		



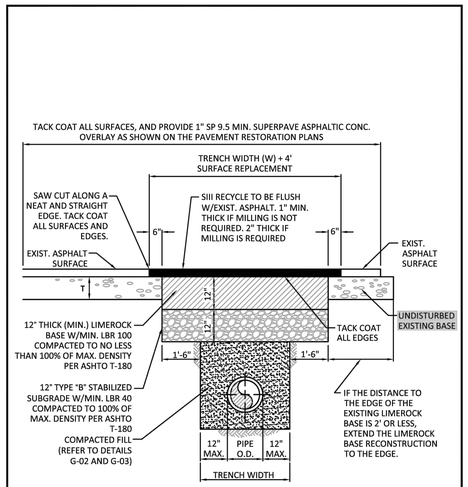
REDUCERS								
LARGE SIDE	SMALL SIDE	MINIMUM LENGTH TO RESTRAIN ON LARGE SIDE (FT)		LARGE SIDE	SMALL SIDE	MINIMUM LENGTH TO RESTRAIN ON LARGE SIDE (FT)	
		PVC	*DIP			PVC	*DIP
24"	16"	.	.	12"	8"	.	.
	12"	.	.		6"	.	.
	8"	.	.		4"	.	.
	6"	.	.	8"	6"	.	.
	4"	.	.		4"	.	.
16"	12"	.	.		2"	.	.
	8"	.	.	6"	4"	.	.
	6"	.	.		2"	.	.
	4"	.	.	4"	2"	.	.



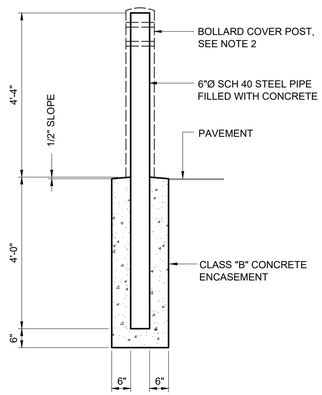
DEAD ENDS	
PIPE DIA. (INCHES)	MIN. RESTRAINED LENGTH (FT)
	PVC	*DIP
24"	.	.
16"	.	.
12"	.	.
8"	.	.
6"	.	.
4"	.	.

*ALL DIP JOINT–RESTRAINT CALCULATIONS ASSUME THE PIPE WILL BE WRAPPED IN POLYETHYLENE ENCASEMENT

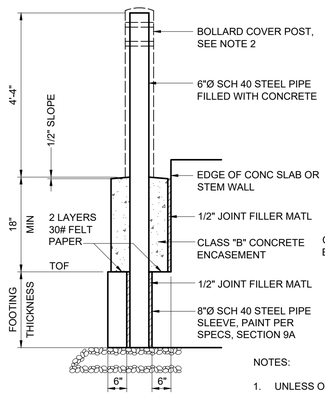
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAM	JOINT RESTRAINT DESIGN FOR PVC AND DIP REDUCERS AND DEAD ENDS	DRAWING NO. G-11.3
APPROVED: XXX		



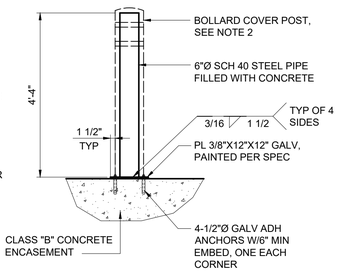
ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2017
DRAWN: EAM	FLEXIBLE PAVEMENT RESTORATION FOR TRENCHES CUT PERPENDICULAR AND PARALLEL TO THE ROADWAY	DRAWING NO. G-12.1
APPROVED: XXX		



BOLLARD TYPE 1



BOLLARD TYPE 2



BOLLARD TYPE 3

C-32-0540

NOTES:

1. UNLESS OTHERWISE NOTED, ALL BOLLARDS SHALL BE TYPE 1.
2. BOLLARD COVER SHALL BE POST GUARD MODEL CL1386F 7"Øx52" HIGH, YELLOW WITH REFLECTIVE RED STRIPES, OR APPROVED EQUAL AND SECURED TO STEEL PIPE WITH COMPRESSIVE FOAM STRIPS.

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

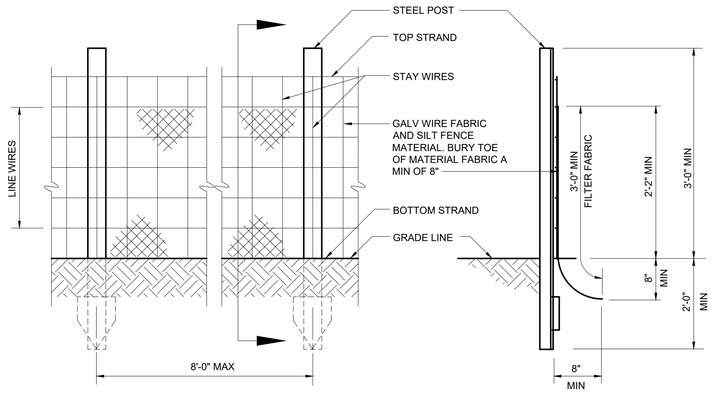
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

CIVIL
TYPICAL DETAILS 2

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	C-06

File: C:_DC\ACCDOCS\HAZEN AND SAWYER\04321-111\PROJECT FILES\1-DESIGN\01-HAZEN\CIVIL\04321-111-C-06 Saved by JCOPPOLA Save date: 12/16/2025 4:45 PM
PLOT DATE: 12/22/2025 10:24 AM BY: JCOPPOLA



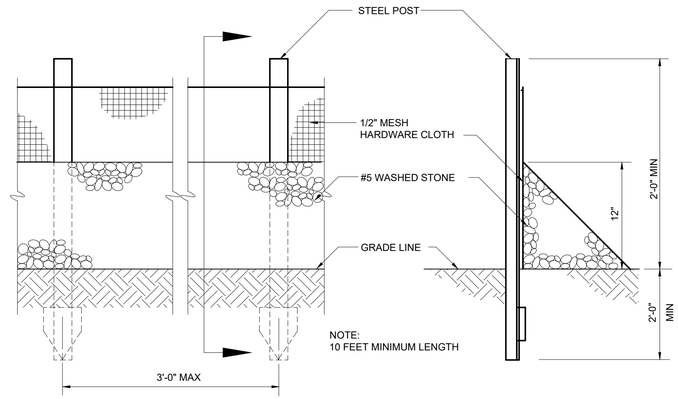
ELEVATION
SILT FENCE

SECTION
SILT FENCE

NOTE:

1. EXTRA STRENGTH SILT FENCE MATERIAL (AS APPROVED BY ENGINEER) WITH 6'-0" POST SPACING DOES NOT REQUIRE MESH SUPPORT FENCE.
2. SILT FENCE MATERIAL SHALL BE WIRED DIRECTLY TO POST.

C-31-0400

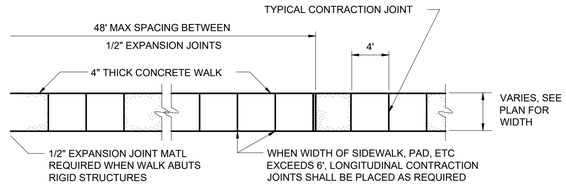


ELEVATION
STONE FILTER

SECTION
STONE FILTER

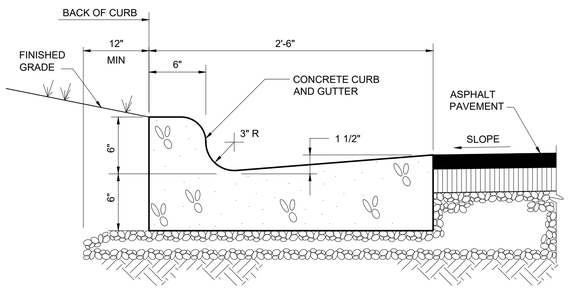
STABILIZED OUTLET FOR SILT FENCE

C-31-0433



TYPICAL CONCRETE WALKWAY

C-32-0520

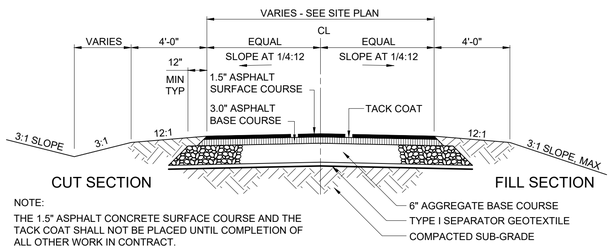


NOTES:

1. CONTRACTION JOINTS SHALL BE PLACED AT 10 FOOT INTERVALS, OR 15 FOOT INTERVALS WHEN A MACHINE IS USED TO PLACE THE CURB.
2. EXPANSION JOINTS SHALL BE PLACED AT 90 FOOT INTERVALS AND ADJACENT TO ALL RIGID OBJECTS.

CURB AND GUTTER

C-32-0530



CUT SECTION

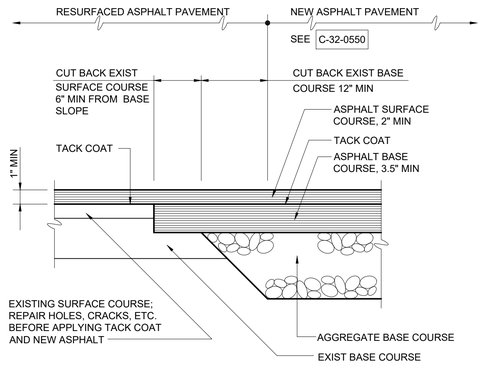
FILL SECTION

NOTE:

THE 1.5" ASPHALT CONCRETE SURFACE COURSE AND THE TACK COAT SHALL NOT BE PLACED UNTIL COMPLETION OF ALL OTHER WORK IN CONTRACT.

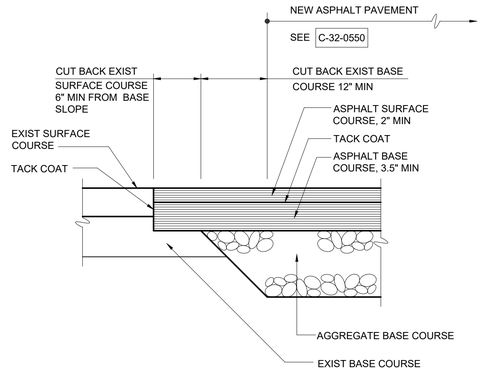
TYPICAL ROADWAY SECTION

C-32-0550



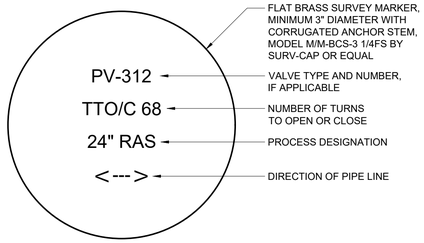
TYPICAL PAVEMENT JUNCTION WITH
RESURFACING OF EXISTING PAVEMENT

C-32-0555



TYPICAL PAVEMENT JUNCTION

C-32-0556



NOTES:

1. ENGRAVING SHALL BE MINIMUM 3/16" TALL CAPITAL LETTERS IN A BLOCK FONT SIMILAR TO ARIAL, CENTERED AND SPACED AS SHOWN.
2. ALL MARKINGS SHALL BE NEATLY MACHINE ENGRAVED.
3. ALTERNATELY, MARKINGS MAY BE HAND STAMPED, PROVIDED STAMPING IS DEEP ENOUGH TO WITHSTAND NORMAL TRAFFIC AND WEATHERING. STAMPING OF DISK SHALL BE ACCOMPLISHED PRIOR TO SETTING IN CONCRETE VALVE BOX PAD.
4. SUBMIT ONE SAMPLE FOR APPROVAL PRIOR TO ENGRAVING ALL MARKERS.
5. REGARDLESS OF ENGRAVING METHOD SELECTED, CONTRACTOR SHALL PROVIDE COMPATIBLE STAMP SET AND ANVIL TO OWNER UPON COMPLETION OF PROJECT FOR FUTURE REPAIR OF ENGRAVINGS.

C-33-0632

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

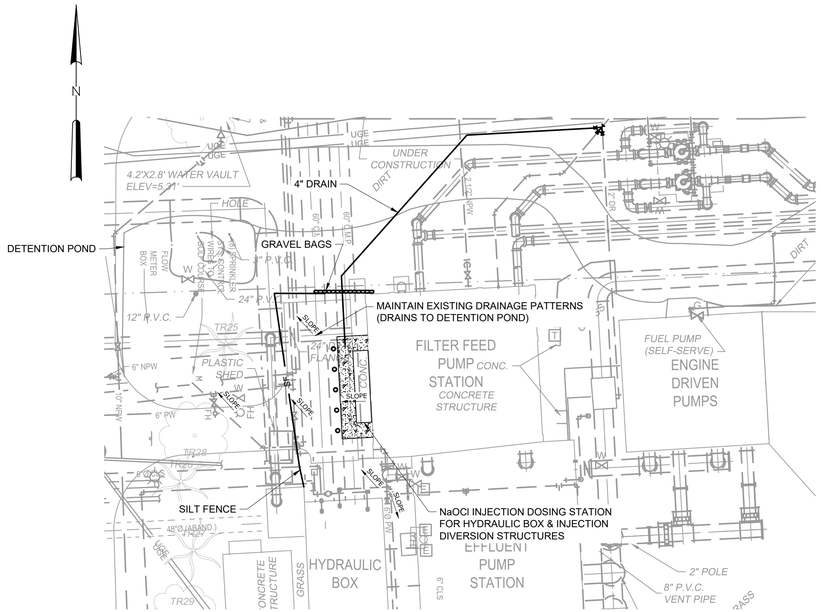
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

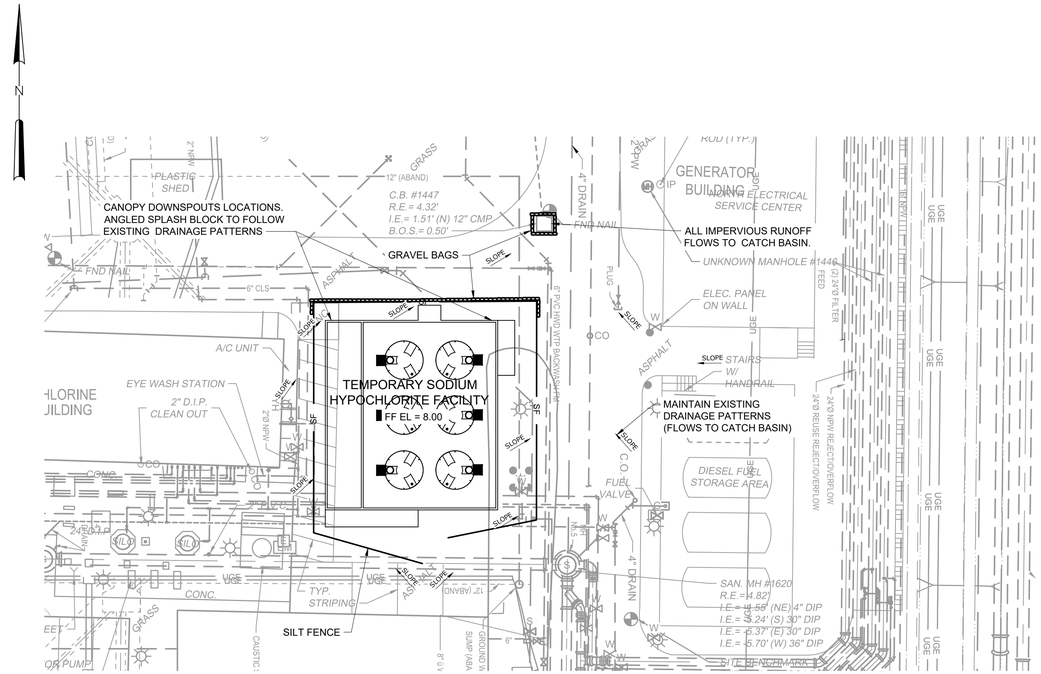
CIVIL
TYPICAL DETAILS 3

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	C-07

File: C:_DOCACCDOCS\HAZEN AND SAWYER\04321-111\PROJECT FILES\1-DESIGN\01-HAZEN\CIVIL\04321-111-C-07 Saved by JCOPPOLA Save date: 12/16/2025 4:46 PM
PLOT DATE: 12/22/2025 11:48 AM BY: JCOPPOLA



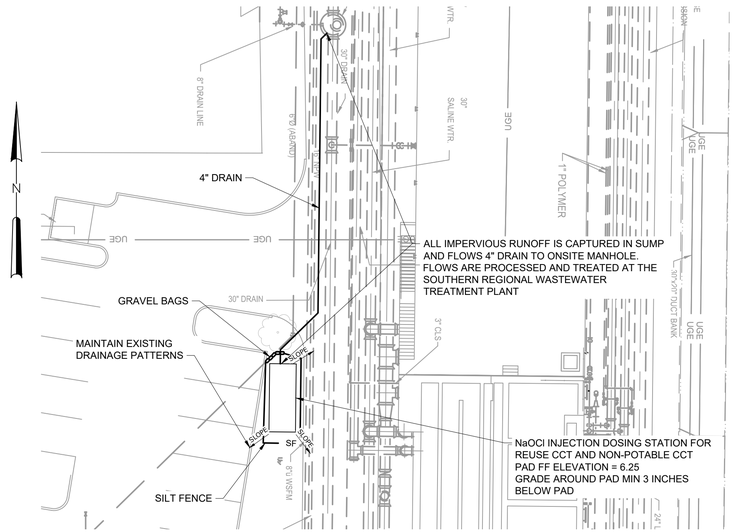
PLAN
SCALE: 1" = 20'



PLAN
SCALE: 1" = 20'

NOTES:

1. TEMPORARY SODIUM HYPOCHLORITE FACILITY IS CONSTRUCTED ON EXISTING IMPERVIOUS AREA (PAVED PARKING). ALL WATER COLLECTED ON THE CONCRETE SURFACE OF THE TEMPORARY SODIUM HYPOCHLORITE FACILITY IS PUMPED OUT TO THE SOUTHERN REGIONAL WASTEWATER TREATMENT PLANT



PLAN
SCALE: 1" = 20'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

CIVIL
EROSION CONTROL PLAN

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	C-08

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PLOT DATE: 12/22/2025 10:29 AM BY: JCOPPOLA

EROSION AND SEDIMENT CONTROL:

1. CONTRACTOR TO EMPLOY BEST MANAGEMENT PRACTICES THROUGHOUT CONSTRUCTION IN ORDER TO ENSURE POLLUTION PREVENTION. CONTRACTOR TO COMPLY WITH ALL LOCAL STATE AND OTHER GOVERNMENTAL ENVIRONMENTAL REGULATIONS THROUGHOUT CONSTRUCTION.
2. DURING CONSTRUCTION ALL CATCH BASIN INLETS SHALL BE PROTECTED TO PREVENT SEDIMENT AND DEBRIS FROM ENTERING THE CATCH BASIN.
3. SILT FENCES SHALL BE INSTALLED AS NECESSARY TO CONTROL OR PREVENT DISCHARGE OF SEDIMENT ONTO ADJACENT UNDISTURBED AREAS, OR OFF-SITE AREAS.
4. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE STABILIZED WITHIN A REASONABLE PERIOD OF TIME TO ASSURE MINIMUM EROSION OF SOILS.
5. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL EROSION CONTROL MEASURES HAVE BEEN INSTALLED.
6. ALL EXPOSED AREAS SHALL BE SODDED AS SPECIFIED WITHIN 30 DAYS OF FINAL GRADING.
7. MAINTAIN EROSION CONTROL MEASURES AFTER EACH RAIN AND AT LEAST ONCE A WEEK.
8. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
9. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
10. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY CITY, COUNTY, AND STATE OF FLORIDA ON SITE INSPECTION, AT NO ADDITIONAL COST TO THE OWNER.
11. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
12. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
13. BURNING OF DEBRIS WILL NOT BE ALLOWED.
14. CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.
15. CONTRACTOR IS TO PROVIDE EROSION CONTROL/SEDIMENTATION BARRIER (HAY BALES OR SILTATION CURTAIN) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS AND WATER WAYS. IN ADDITION CONTRACTOR SHALL PLACE STRAW, MULCH OR OTHER SUITABLE MATERIAL ON GROUND IN AREAS WHERE CONSTRUCTION RELATED TRAFFIC IS TO ENTER AND EXIT SITE IF IN THE OPINION OF THE ENGINEER AND/OR LOCAL AUTHORITIES IF EXCESSIVE QUANTITIES OF EARTH ARE TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR BY VEHICULAR TRAFFIC. THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH TO THE SATISFACTION OF THE ENGINEER AND/OR AUTHORITIES. EROSION CONTROL BARRIER SHALL BE ESTABLISHED AS THE FIRST ITEM OF WORK.

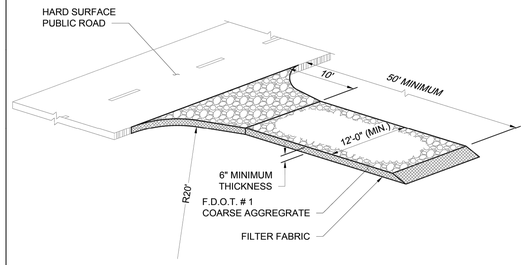
EROSION AND SEDIMENT CONTROL NOTES
SHEET 1

DETAIL NO. ESC 001
DATE 2025/05/23

16. THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM APPLIES TO ALL CONSTRUCTION ACTIVITY THAT: 1) CONTRIBUTE STORMWATER DISCHARGES TO SURFACE WATER OF THE STATE OR INTO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4); 2) DISTURBS ONE OR MORE ACRES OF LAND; OR 3) LESS THAN ONE ACRE IS INCLUDED IF THE ACTIVITY IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT THAT WILL MEET OR EXCEED THE ONCE ACRE THRESHOLD. DISTURB INCLUDES CLEARING, GRADING AND EXCAVATING.
17. FOR CONSTRUCTION ACTIVITY THAT IS SUBJECT TO THE NPDES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S STORMWATER PERMITTING PROGRAM, THE CONTRACTOR SHALL:
    - 17.1. OBTAIN A GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION DOCUMENT 62-621.300(4)(A).
    - 17.2. COMPLY WITH ALL REQUIREMENTS OF THE GENERIC PERMIT.
    - 17.3. DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
    - 17.4. COMPLETE A NOTICE OF INTENT (NOI) FLORIDA DEPARTMENT OF ENVIORNMENTAL PROTECTION FORM 62-621.300(4)(B) IN ITS ENTIRETY USING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S WEBSITE.
18. SUBMIT COPIES OF THE SWPPP AND THE NOI TO THE ENGINEER AS INFORMATIONAL RECORDS. THESE SUBMITTALS WILL NOT BE REVIEWED BY THE ENGINEER.
19. CONTRACTOR TO CLEAN AND REPAIR ALL EXISTING STORMWATER INFRASTRUCTURE THAT IS IMPACTED BY CONSTRUCTION ACTIVITIES, BEFORE LEAVING THE JOBSITE.
20. CONTRACTOR TO REMOVE ALL FILTER FABRIC AND POLLUTION PREVENTION ITEMS BEFORE THE FINAL WALK-THROUGH.

EROSION AND SEDIMENT CONTROL NOTES
SHEET 2

DETAIL NO. ESC 001
DATE 2025/05/23



NOTES:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABLIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

GRAVEL CONSTRUCTION ENTRANCE

DETAIL NO. ESC 002
DATE 2025/05/23

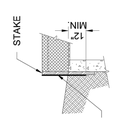
CONTRACTOR'S RESPONSIBILITY

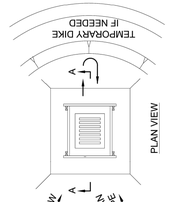
EROSION AND SEDIMENTATION CONTROLS ARE PERFORMANCE BASED AND ADDITIONAL CONTROLS MAY BE REQUIRED BY THE ENGINEER IF SEDIMENT ESCAPES FROM LEAVING A CONSTRUCTION SITE, THEN THE CONTRACTOR IS REQUIRED TO EMPLOY ADDITIONAL PROCEDURES TO PROVIDE CLEAN RUNOFF FROM A SITE.

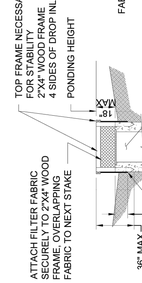
NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%).
2. USE 2"X4" WOOD OR EQUIVALENT METAL STAKES. (3' MIN. LENGTH).
3. INSTALL 2"X4" WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT FLOW AROUND SIDES OF INLET. FILTER MATERIAL MAY BE A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.
5. MIRAFI OR APPROVED EROSION CONTROL FABRIC SHALL BE WRAPPED AROUND GRATE.
6. THESE NOTES SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.



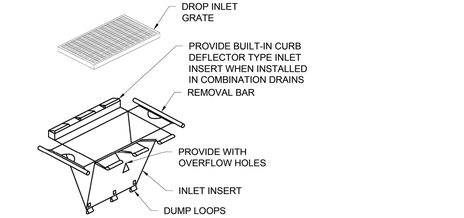


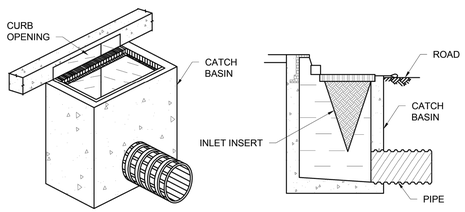




DROP INLET PROTECTION - SEDIMENT BARRIER

DETAIL NO. ESC 003
DATE 2025/05/23





EXPLODED ISOMETRIC VIEW

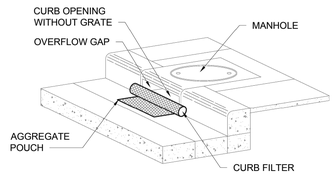
SIDE VIEW INSTALLED

NOTES:

1. THE INLET INSERT SHALL BE A SEDIMENT CONTROL DEVICE DESIGNED FOR DROP INLETS OR COMBINATION DRAINS WHERE A DROP INLET IS COUPLED WITH A CURB INLET.
2. THE INLET INSERT SHALL BE MADE OF A PERMEABLE GEOTEXTILE THAT ALLOWS WATER TO PASS BUT PREVENTS SILT AND SEDIMENT FROM CLOGGING THE DRAIN SYSTEM.
3. THE CONTRACTOR SHALL CLEAN AND INSPECT REGULARLY AND AFTER EVERY MAJOR RAIN EVENT.
4. INLET INSERTS SHALL BE "SILTSACK" BY ACF ENVIRONMENTAL, OR EQUAL. SUBMIT SHOP DRAWINGS IN ACCORDANCE WITH THE SPECIFICATIONS.

DROP INLET PROTECTION - INLET INSERT

DETAIL NO. ESC 004
DATE 2025/05/23



NOTES:

1. INSTALL CURB FILTERS AT ALL INLETS WITHOUT GRATES TO KEEP SILT, SEDIMENT AND CONSTRUCTION DEBRIS OUT OF THE STORM SYSTEM
2. THE CURB FILTER SHALL BE DANDY CURB AS MANUFACTURED BY DANDY PRODUCTS INC., OR EQUAL. SUBMIT SHOP A SHOP DRAWING FOR THE CURB FILTERS.
3. THE CURB FILTER SHALL FORM OF A CYLINDRICAL TUBE PLACED IN FRONT OF AND EXTENDING BEYOND THE INLET OPENING ON BOTH SIDES.
4. THE CURB FILTER SHALL HAVE A POUCH ON THE STREET SIDE OF THE UNIT FOR STONE AGGREGATE TO HOLD THE FILTER IN PLACE.
5. THE CURB FILTER SHALL BE CONSTRUCTED OF A HIGH VISIBILITY ORANGE MONOFILAMENT FABRIC.
6. FILL POUCH WITH FDOT #57 STONE AGGREGATE TO A LEVEL (AT LEAST HALF-FULL) THAT WILL KEEP UNIT IN PLACE DURING A RAIN EVENT AND CREATE A SEAL BETWEEN THE CURB FILTER AND THE SURFACE OF THE STREET.
7. CENTER THE UNIT AGAINST CURB OR MEDIAN INLET OPENING SO THAT THE CURB SIDE OF THE UNIT CREATES A SEAL WITH THE CURB OR MEDIAN BARRIER AND INLET STRUCTURE. THERE WILL BE APPROXIMATELY TWELVE (12) INCHES OF THE INLET PROTECTION UNIT OVERHANGING ON EACH SIDE OF THE OPENING.
8. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH RAIN EVENT.

CURB INLET PROTECTION - CURB FILTER

DETAIL NO. ESC 005
DATE 2025/05/23

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	R. LOFFING
DRAWN BY:	M. NIEMIEC
CHECKED BY:	J. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE — 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

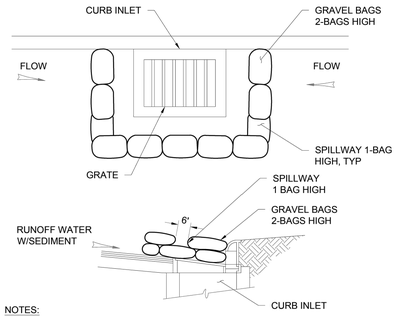
SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

CIVIL
STORMWATER POLLUTION PREVENTION
PLAN - SHEET 1

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	C-09

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ESC006 - CURB INLET PROTECTION - GRAVEL BAG Tuesday, December 02, 2025

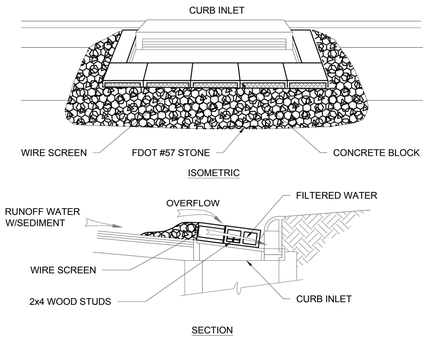


NOTES:

1. A SPILLWAY SHALL BE DESIGNATED FOR EACH DIRECTION OF APPROACHING FLOW AS SHOWN. THE SPILLWAY SHALL BE LOCATED TO ALLOW THE MAXIMUM AMOUNT OF STORMWATER TO POOL WITHOUT FLOODING AREAS UP GRADE OF THE INLET.
2. FOR INLETS THAT ARE NOT ADJACENT TO CURBS, PLACE GRAVEL BAGS ONE BAG HIGH AROUND THE ENTIRETY OF THE INLET TO ACCOMMODATE FLOW FROM ALL DIRECTIONS.
3. BAG MATERIAL: BAGS SHALL BE WOVEN POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE FABRIC, MINIMUM UNIT WEIGHT FOUR OUNCES PER SQUARE YARD, MULLEN BURST STRENGTH EXCEEDING 300 PSI IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM D3786, AND ULTRAVIOLET STABILITY EXCEEDING 70% IN CONFORMANCE WITH THE REQUIREMENTS IN ASTM D4355.
4. BAG SIZE: EACH GRAVEL-FILLED BAG SHALL BE 18-INCHES X 12-INCHES X 3-INCHES AND HAVE A MASS OF APPROXIMATELY 33 LBS. ALTERNATIVE BAG SIZES SHALL BE CONSIDERED BASED ON LOCALLY AVAILABLE MATERIALS.
5. FILL MATERIAL: GRAVEL SHALL BE PEA GRAVEL 3/8 INCHES IN DIAMETER AND SHALL BE CLEAN AND FREE OF CLAY BALLS, ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS.

CURB INLET PROTECTION - GRAVEL BAG | SERIAL NO. ESC 006 | DATE 2025/05/23

ESC007 - CURB INLET PROTECTION - BLOCK AND STONE Tuesday, December 02, 2025



NOTES:

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2 - 3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR INLETS IN ROADWAYS WITH HEAVY TRAFFIC CONDITIONS PREFABRICATED FILTER INSERTS MAY BE USED.

CURB INLET PROTECTION - BLOCK AND STONE | SERIAL NO. ESC 007 | DATE 2025/05/23

ESC008 - SILT FENCE - SHEET 1 Tuesday, December 02, 2025

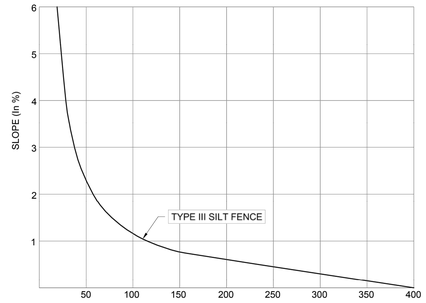
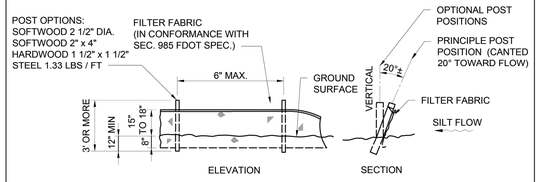


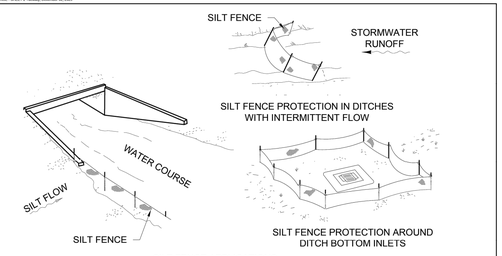
CHART 1: SILT FENCE SPACING

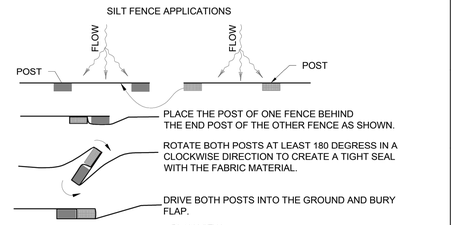


TYPE III SILT FENCE

SILT FENCE - SHEET 1 | SERIAL NO. ESC 008 | DATE 2025/05/23

ESC009 - SILT FENCE - SHEET 2 Tuesday, December 02, 2025



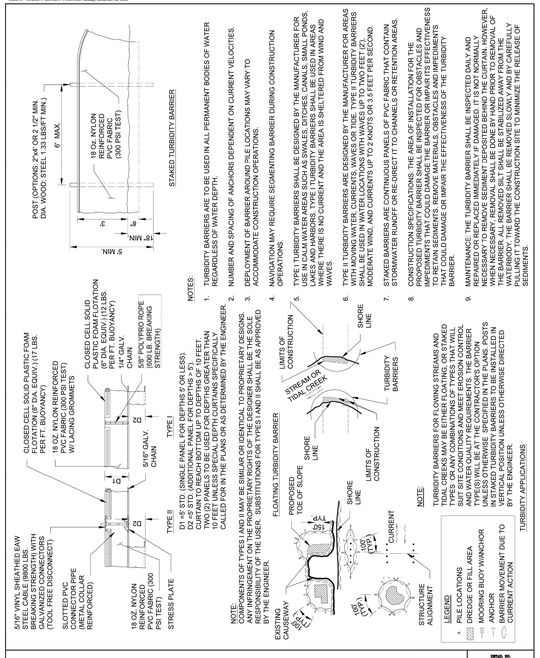


NOTES:

1. WHERE USED IN DITCHES, THE SPACING FOR TYPE III SILT FENCE SHALL BE IN ACCORDANCE WITH CHART 1.
2. DO NOT CONSTRUCT SILT FENCES ACROSS PERMANENT FLOWING WATERCOURSES. SILT FENCES ARE TO BE AT UPLAND LOCATIONS AND TURBIDITY BARRIERS USED AT PERMANENT BODIES OF WATER.
3. WHERE USED AS SLOPE PROTECTION . SILT FENCE IS TO BE CONSTRUCTED ON 0% LONGITUDINAL GRADE TO AVOID CHANNELIZING RUNOFF ALONG THE LENGTH OF THE FENCE.

SILT FENCE - SHEET 2 | SERIAL NO. ESC 009 | DATE 2025/05/23

ESC010 - TURBIDITY BARRIER - FLOATING Tuesday, December 02, 2025

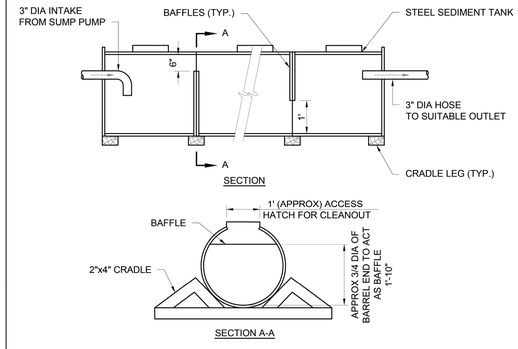


NOTES:

1. TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
2. NUMBER AND SPACING OF ANCHORS DEPENDENT ON CURRENT VELOCITIES.
3. DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
4. NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.
5. TYPE I TURBIDITY BARRIERS SHALL BE DESIGNED BY THE MANUFACTURER FOR USE IN CALM WATER AREAS SUCH AS SWALES, DITCHES, CANALS, SMALL PONDS, LAKES AND HARBORS WHERE THERE IS NO CURRENT AND THE AREA IS SHELTERED FROM WIND AND WAVES.
6. TYPE II TURBIDITY BARRIERS ARE DESIGNED BY THE MANUFACTURER FOR AREAS WITH MODERATE CURRENTS AND WAVES. TYPE II TURBIDITY BARRIERS SHALL BE USED IN WATER LOCATIONS WITH WAVES UP TO TWO FEET (2') MODERATE WIND, AND CURRENTS UP TO 2 KNOTS OR 3.5 FEET PER SECOND.
7. STAKED BARRIERS ARE CONTINUOUS PANELS OF PVC FABRIC THAT CONTAIN FLOTATION AND ARE SUPPORTED BY STAKES. THEY ARE USED IN STILL WATERS.
8. CONSTRUCTION SPECIFICATIONS: THE AREA OF INSTALLATION FOR THE PROPOSED TURBIDITY BARRIER SHALL BE INSPECTED FOR OBSTACLES AND IMPEDIMENTS THAT COULD DAMAGE THE BARRIER OR IMPAIR ITS EFFECTIVENESS AND REMOVED. THE CONTRACTOR SHALL REMOVE ANY OBSTACLES OR IMPEDIMENTS THAT COULD DAMAGE OR IMPAIR THE EFFECTIVENESS OF THE TURBIDITY BARRIER.
9. MAINTENANCE: THE TURBIDITY BARRIER SHALL BE INSPECTED DAILY AND REPAIRED OR REPLACED IMMEDIATELY IF DAMAGED. IT IS NOT NORMALLY NECESSARY TO REMOVE SEDIMENT DEPOSITED BEHIND THE CURTAIN, HOWEVER, WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER, ALL REMOVED SILT SHALL BE STABILIZED AWAY FROM THE WATER. REMOVAL SHALL BE ACCOMPLISHED BY CAREFULLY LIFTING OR PULLING IT TOWARD THE CONSTRUCTION SITE TO MINIMIZE THE RELEASE OF SEDIMENTS.

TURBIDITY BARRIER - FLOATING | SERIAL NO. ESC 010 | DATE 2025/05/23

ESC011 - PORTABLE SEDIMENT TANK Tuesday, December 02, 2025



NOTES:

1. CLEAN OUT THE SEDIMENT TANK WHEN ONE THIRD (1/3) FILLED WITH SILT.
2. ALL SEDIMENT COLLECTED IN THE TANK SHALL BE DISPOSED OF IN A SEDIMENT TRAPPING DEVICE, AN APPROVED LOCATION IN WHICH FURTHER SEDIMENT TRANSPORT WILL NOT OCCUR OR AS APPROVED BY THE INSPECTOR.
3. PORTABLE SEDIMENT TANK SHALL BE AN ABOVE GROUND HORIZONTAL SINGLE-WALL UL-142 MANUFACTURED BY HIGHLAND TANK OR WEIR BOX MANUFACTURED BY RAIN FOR RENT OR EQUIVALENT.

PORTABLE SEDIMENT TANK | SERIAL NO. ESC 011 | DATE 2025/05/23

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	R. LOFFING
DRAWN BY:	M. NIEMIEC
CHECKED BY:	J. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

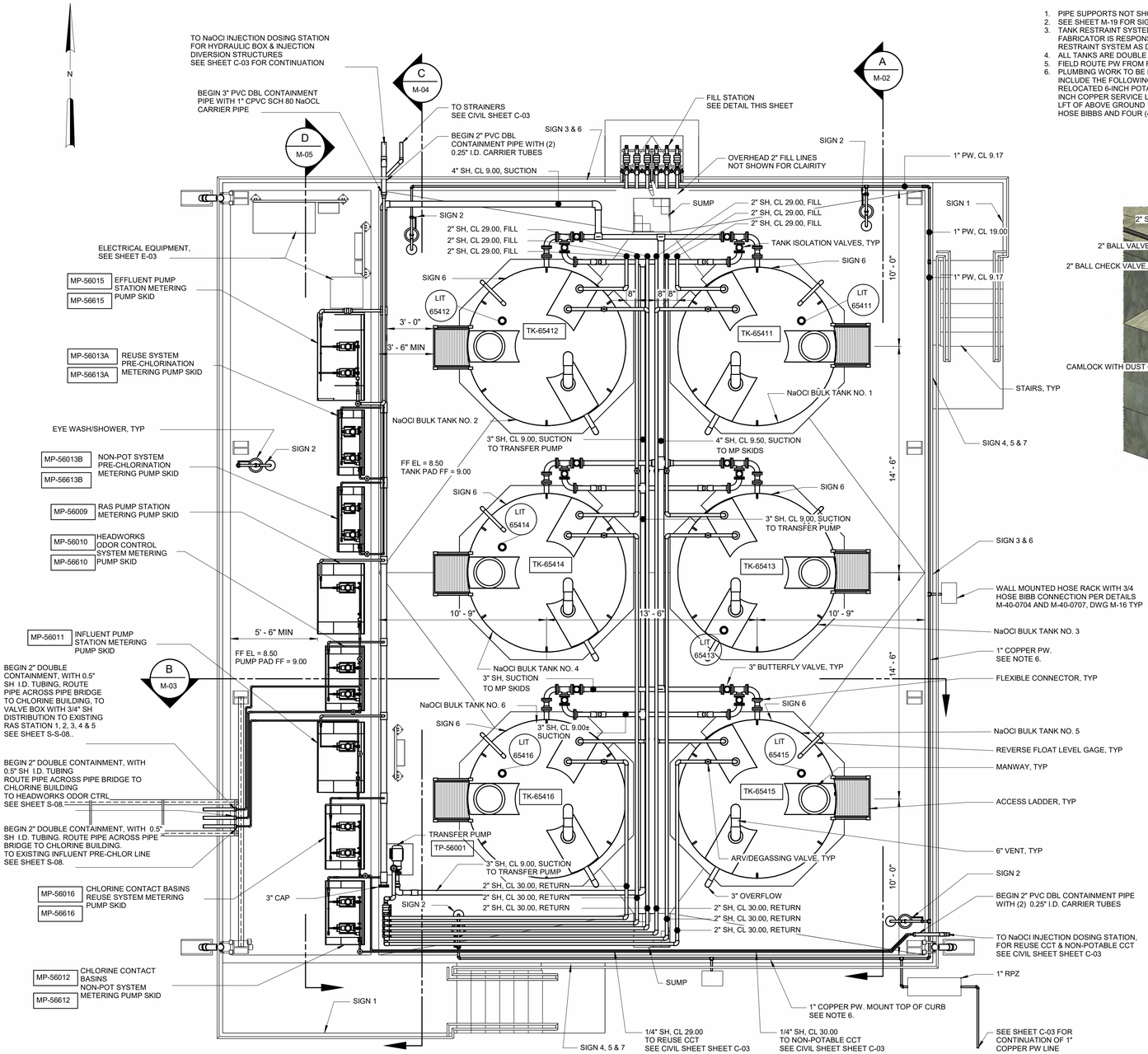
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

CIVIL
STORMWATER POLLUTION PREVENTION
PLAN - SHEET 2

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	C-10

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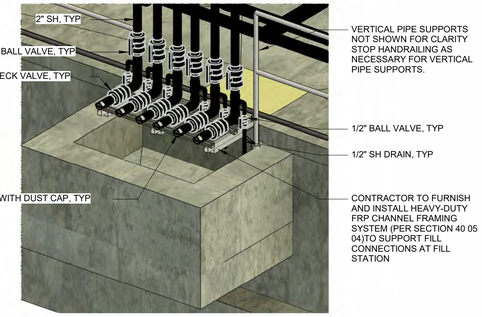


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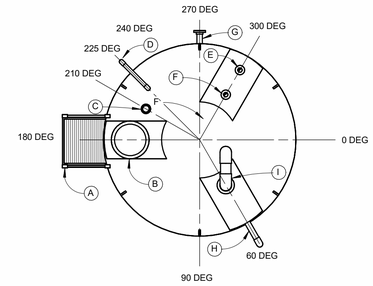
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NOTES:

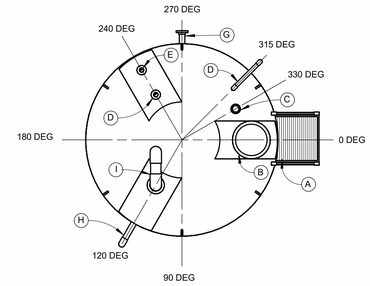
1. PIPE SUPPORTS NOT SHOWN FOR CLARITY, SEE M-18.
2. SEE SHEET M-19 FOR SIGN DETAILS
3. TANK RESTRAINT SYSTEM IS NOT SHOWN FOR CLARITY. THE TANK FABRICATOR IS RESPONSIBLE FOR THE DESIGN OF TANK RESTRAINT SYSTEM AS DESCRIBED IN SPECIFICATION 43 41 43.
4. ALL TANKS ARE DOUBLE WALLED CONTAINMENT TYPE.
5. FIELD ROUTE PW FROM RPZ TO EYEWASH/SHOWER STATIONS.
6. PLUMBING WORK TO BE PERFORMED ON C-03 AND M-01 SHALL INCLUDE THE FOLLOWING: NEW 1-INCH WATER SERVICE TAP TO RELOCATED 6-INCH POTABLE WATER MAIN, 6 LFT OF BURIED 1-INCH COPPER SERVICE LINE TO RPZ, 1-INCH RPZ ASSEMBLY, 105-LFT OF ABOVE GROUND 1-INCH COPPER WATER SERVICE LINE TO HOSE BIBBS AND FOUR (4) EYEWASH SHOWERS.



FILL STATION



TANKS TK-65412, 65414, 65416



TANKS TK-65411, TK-65413, TK-65415

NOZZLE SCHEDULE & ACCESSORIES

MK	SERVICE	FITTING	TK-65412 TK-65412 TK-65416 DEG	TK-65412 TK-65412 TK-65416 DEG	NOZZLE ATTACHMENT ELEVATION
A	LADDER	FRP LADDER WITH PLATFORM AND 3'-6" WALKTHROUGH. PROVIDE ATTACHMENT BRACKETS AND STANDOFFS.	0	180	SIDEWALL
B	ACCESS/VENT	24" BOLTED ACCESS LID WITH INTEGRAL 8" SCREENED VENT	0	180	TOP FLAT
C	LEVEL SENSOR	6" FLANGED NOZZLE FITTING	330	210	TOP DOME
D	REVERSE LEVEL GAGE	REVERSE FLOAT SITE GAUGE WITH PVC STILLING WELL, TANK FITTING, PVC ELBOWS WITH ROLLER PULLEYS, CLEAR PVC SITE TUBE, FLOAT, INDICATOR AND PP ROPE (COMPLETE)	315	225	TOP DOME
E	TANK FILL	2" NOZZLE FITTING FOR TANK FILL	240	300	TOP FLAT
F	TRANSFER	2" NOZZLE FITTING FOR TRANSFER RETURN	330	210	TOP FLAT
G	OUTLET/DRAIN	3" INNER TANK BOSS FITTING WITH TRANSITION FITTING, CONTAINMENT, FLEX EXP JT. AND 3" PVC FLANGE	270	270	LOWER SIDEWALL
H	OVERFLOW	3" NOZZLE FITTING AND OVERFLOW PIPE	120	60	SIDE FLAT
I	U-VENT	8" U-VENT WITH INSECT SCREEN	120	60	TOP FLAT

DUAL-WALL BULK SODIUM HYPOCHLORITE TANK NOZZLE DETAIL

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

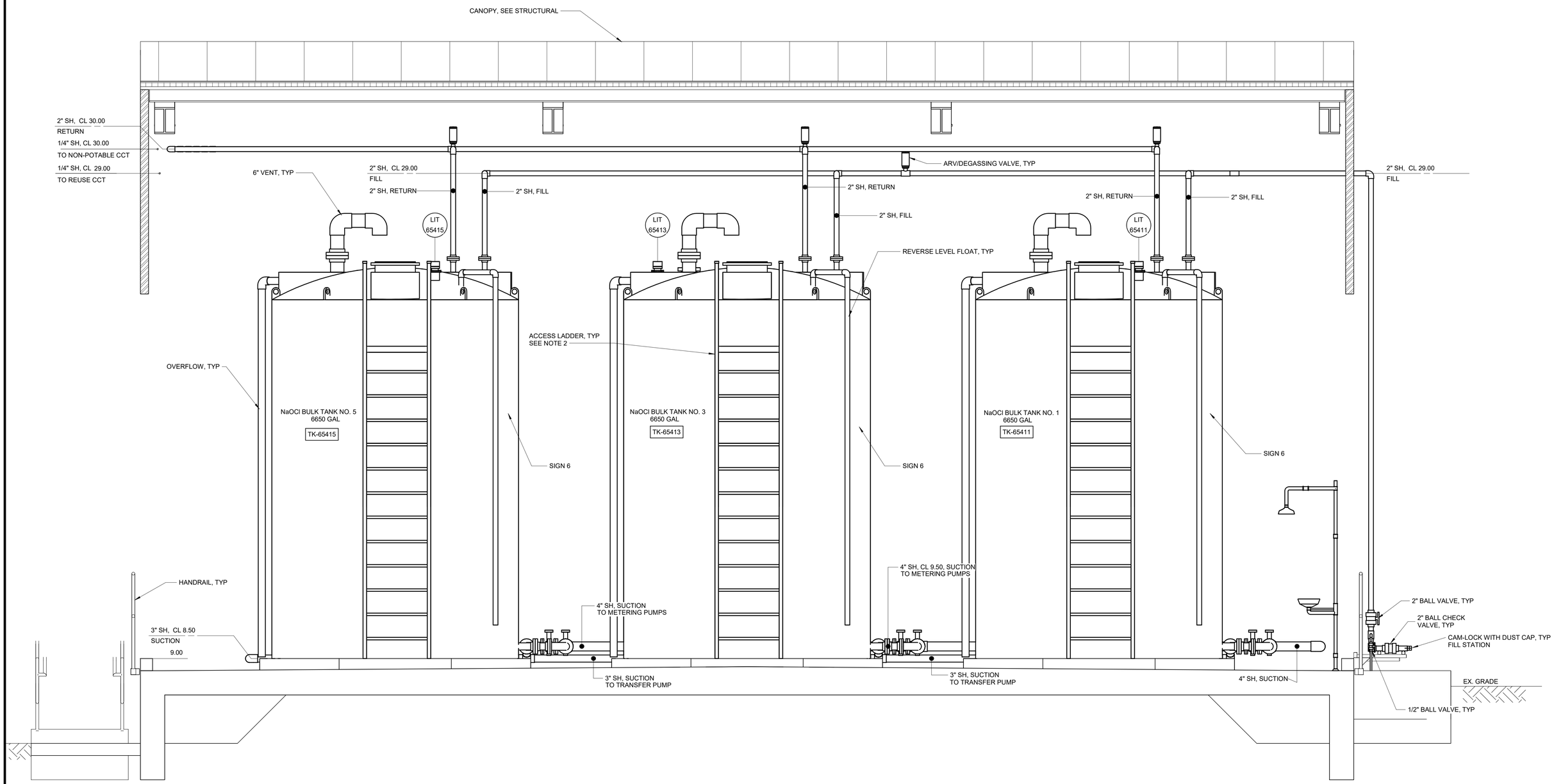
MECHANICAL
TEMPORARY HYPOCHLORITE SYSTEM
ENLARGED PLAN

DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-01

Autodesk Docs://04321-111/04321-111-100-M.rvt
12/22/2025 11:06:48 AM

NOTES:

1. PIPE SUPPORTS NOT SHOWN FOR CLARITY, SEE M-18.
2. FALL-ARREST SYSTEM SHALL BE INCOPERATED INTO THE LADDER, SEE SPECFICATIONS FOR REQUIREMENTS.



SECTION A
1/2" = 1'-0"
M-01

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

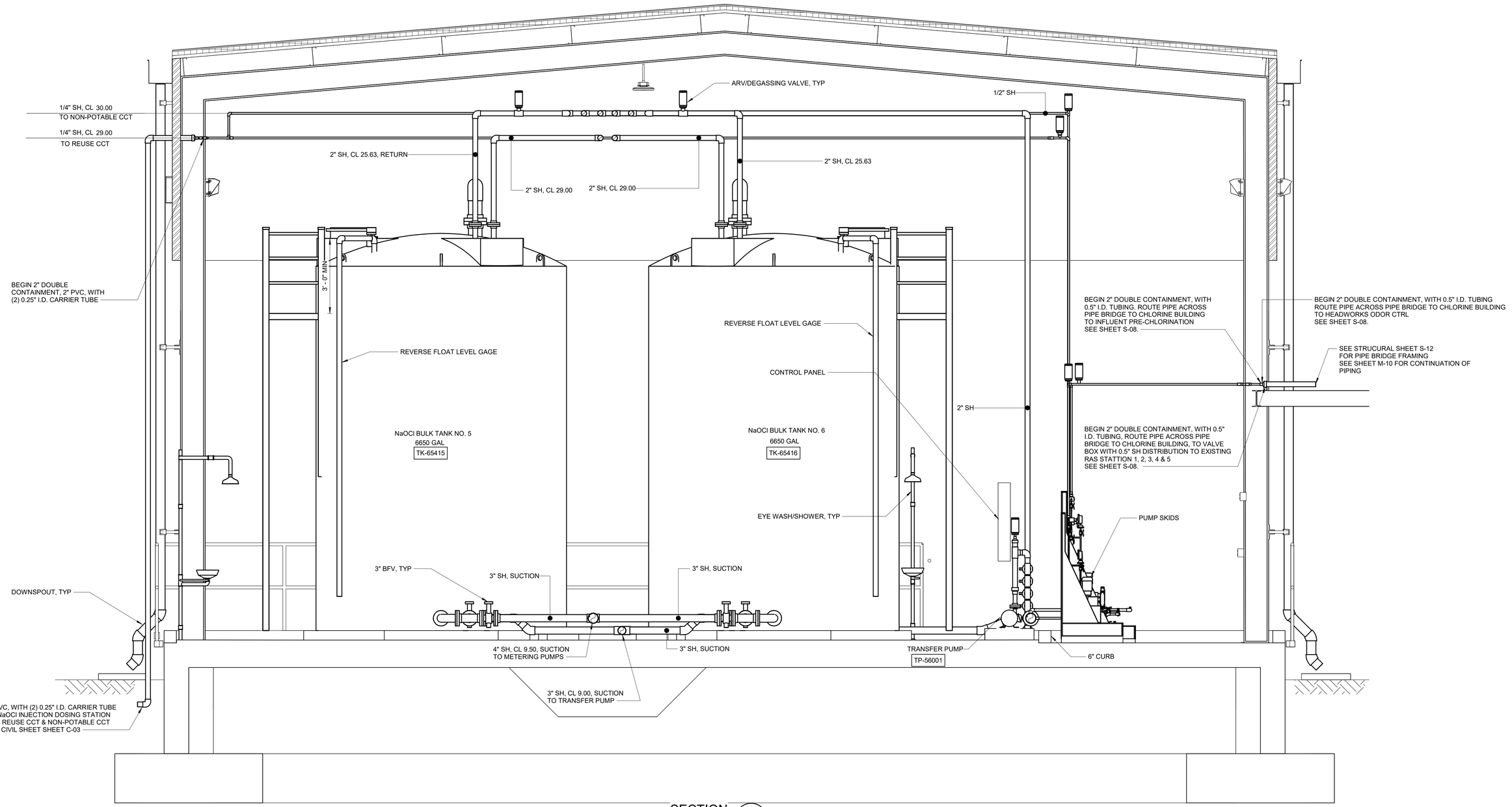
MECHANICAL
TEMPORARY HYPOCHLORITE SYSTEM
SECTIONS 1

DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-02

Autodesk Docs://4321-111/4321-111-100-M.rvt
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NOTES:

1. PIPE SUPPORTS NOT SHOWN FOR CLARITY, SEE M-18.



SECTION B
1/2" = 1'-0" M-01

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

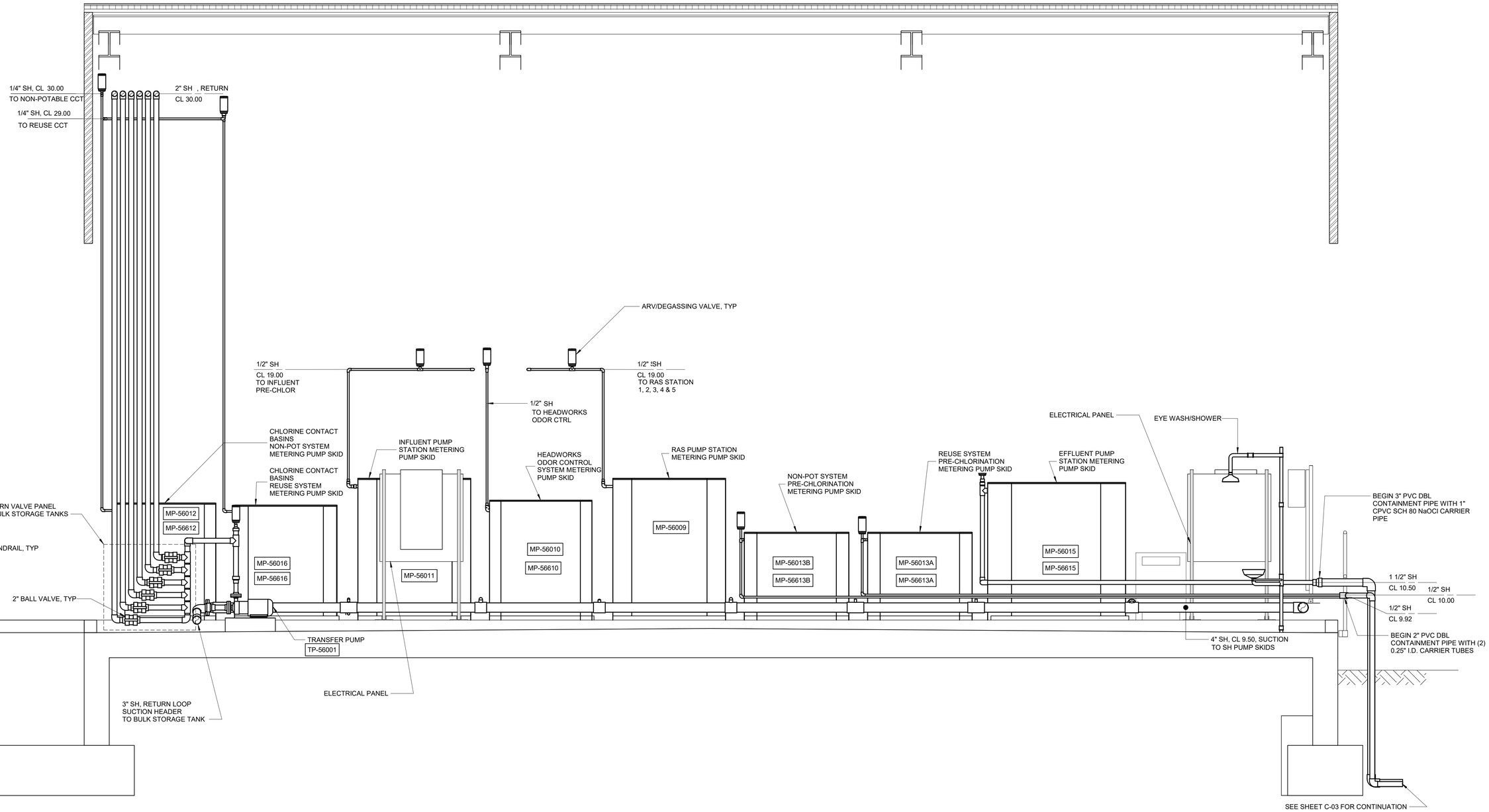
MECHANICAL
TEMPORARY HYPOCHLORITE SYSTEM
SECTIONS 2

DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-03

Autodesk Docs://04321-111/04321-111-100-M.rvt
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NOTES:

1. PIPE SUPPORTS NOT SHOWN FOR CLARITY, SEE M-18.
2. INSTALL RETURN VALVE PANEL ON 1" THICK HDPE PANEL BOARD. CUT TO FIT.



SECTION C
1/2" = 1'-0"
M-01

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

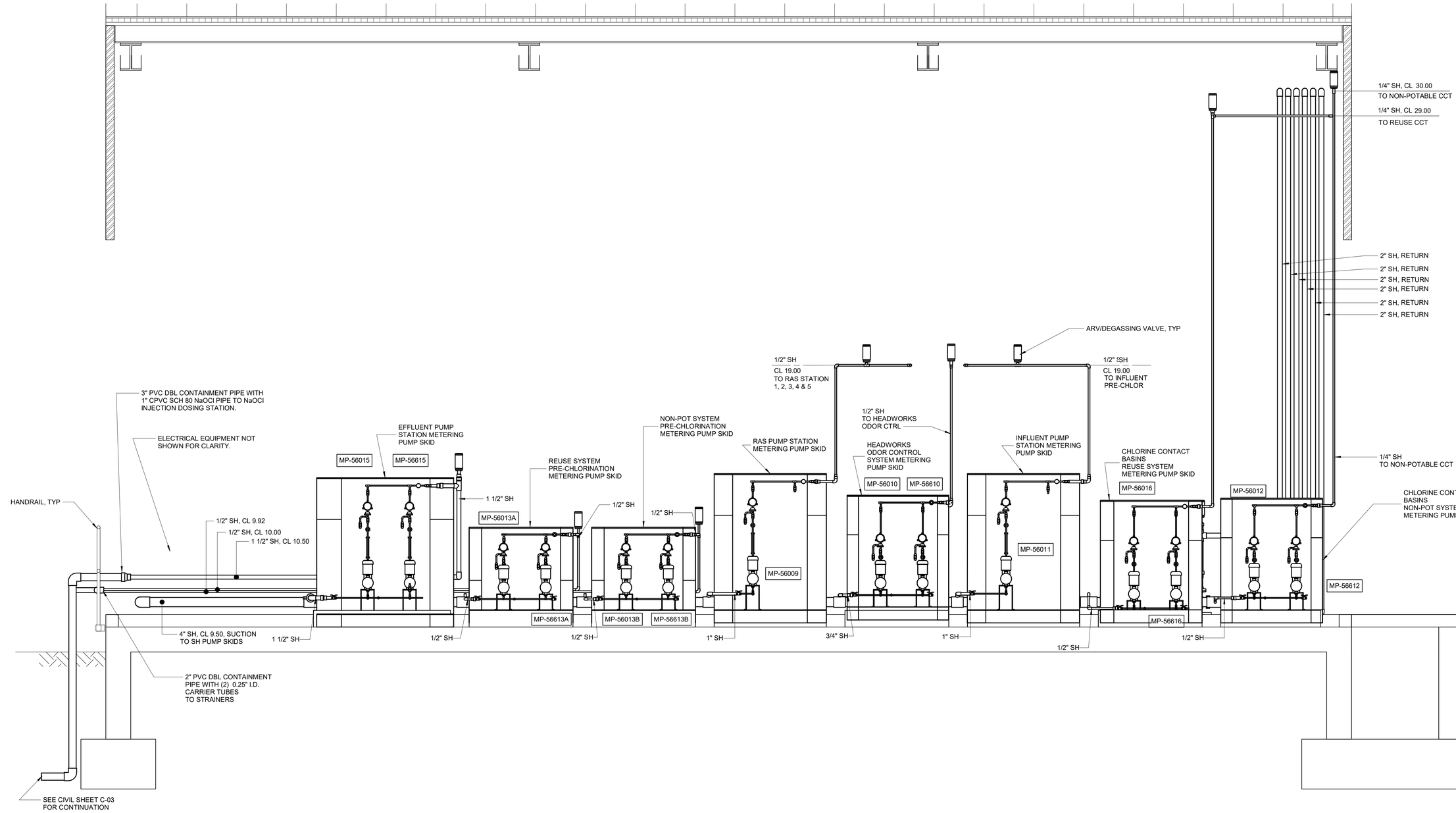
MECHANICAL
TEMPORARY HYPOCHLORITE SYSTEM
SECTIONS 3

DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-04

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NOTES:

1. PIPE SUPPORTS NOT SHOWN FOR CLARITY, SEE M-18.



SECTION D
1/2" = 1'-0"
M-01

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

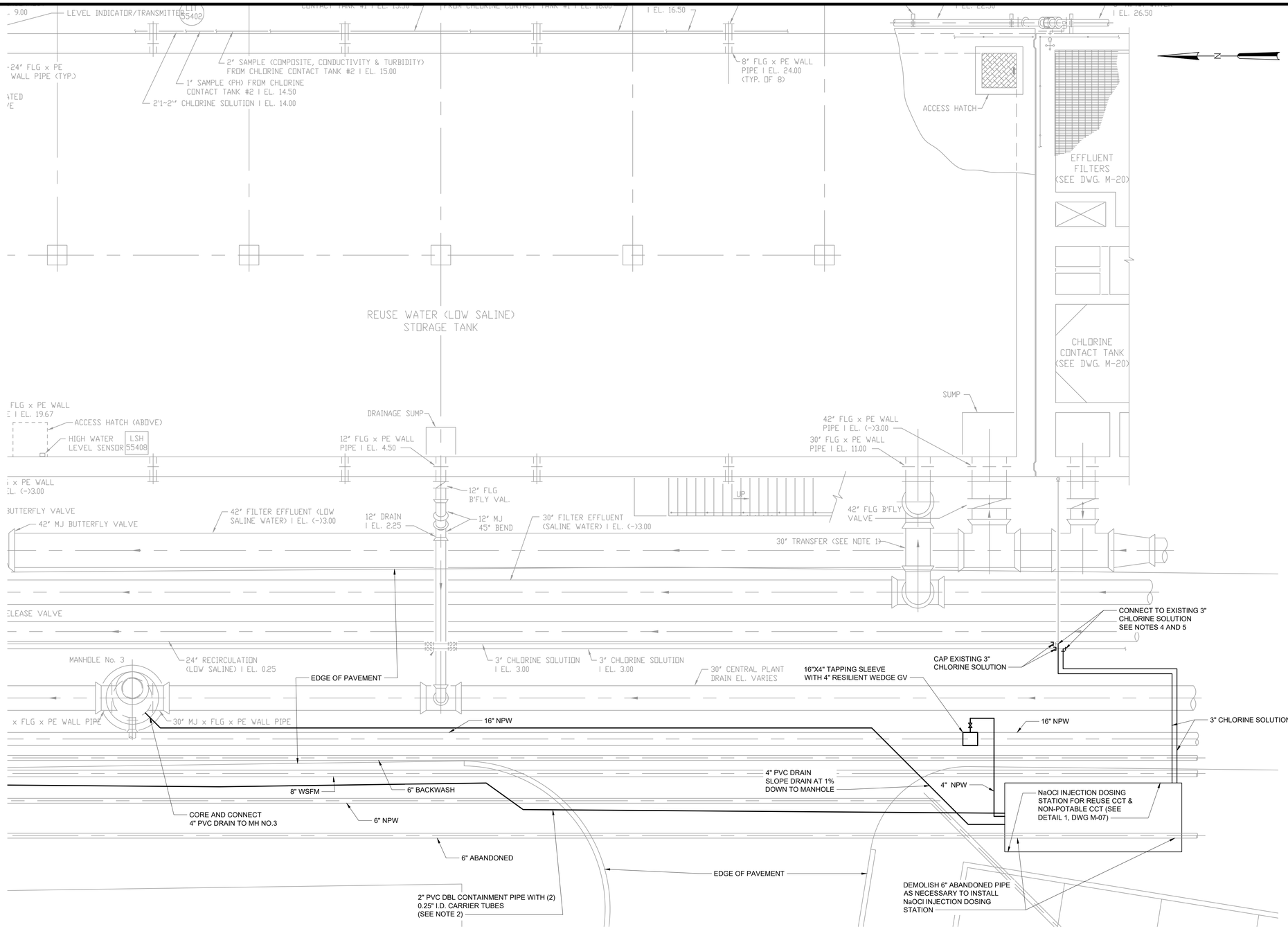
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

MECHANICAL
TEMPORARY HYPOCHLORITE SYSTEM
SECTIONS 4

DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-05

Autodesk Docs://04321-111/04321-111-100-M.rvt
8/28/2025 2:22:43 PM



PLAN
SCALE:3/16" = 1'

1
C-03,04

NOTES:

1. EXISTING UNDERGROUND UTILITIES SHOWN ON THIS SHEET ARE APPROXIMATELY LOCATED. CONTRACTOR SHALL POTHOLE EXISTING UTILITIES AS NECESSARY TO AVOID CONFLICT WITH NEW BURIED PIPING. CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ALIGNMENT ADJUSTMENT WITH NEW BURIED PIPING AS NECESSARY TO AVOID CONFLICT WITH EXISTING UTILITIES.
2. INSTALL NEW 2" PVC SCH 40 CONTAINMENT PIPE WITH (1) 0.50", SPLIT AT THE INJECTION POINT OR (2) 0.25" I.D. CARRIER TUBING (PER PLAN) FROM REUSE AND NON-POTABLE CCT METERING PUMPS AT THE NEW TEMP SODIUM HYPOCHLORITE FACILITY (DWG C-03) TO THE NEW NaOCI DOSING STATION (THIS SHEET).
3. INSTALL NEW 16" x 4" TAPPING SLEEVE AND RESILIENT WEDGE TAPPING GATE VALVE TO EXISTING 16" NPW. PROVIDE ADJUSTABLE VALVE BOX TO GRADE. RUN 4" PVC C900 PC 235 (DR18) BELOW GROUND AND DUCTILE IRON PIPE FOR VERTICAL RISERS AND ABOVE GROUND WITH DI FITTINGS (MJ RESTRAINED BELOW GRADE AND CL 125 FLG ABOVE GRADE).
4. CONNECT NEW 3" CLS PVC SCH 80 PIPE FROM NEW NaOCI DOSING STATION TO EXISTING 3" CLS CONNECTION POINT BELOW GROUND TO REUSE CCT DIFFUSER.
5. CONNECT NEW 3" CLS PVC SCH 80 PIPE FROM NEW NaOCI DOSING STATION TO EXISTING 3" CLS CONNECTION POINT BELOW GROUND TO NON-POTABLE CCT DIFFUSER.

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZALEZ
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

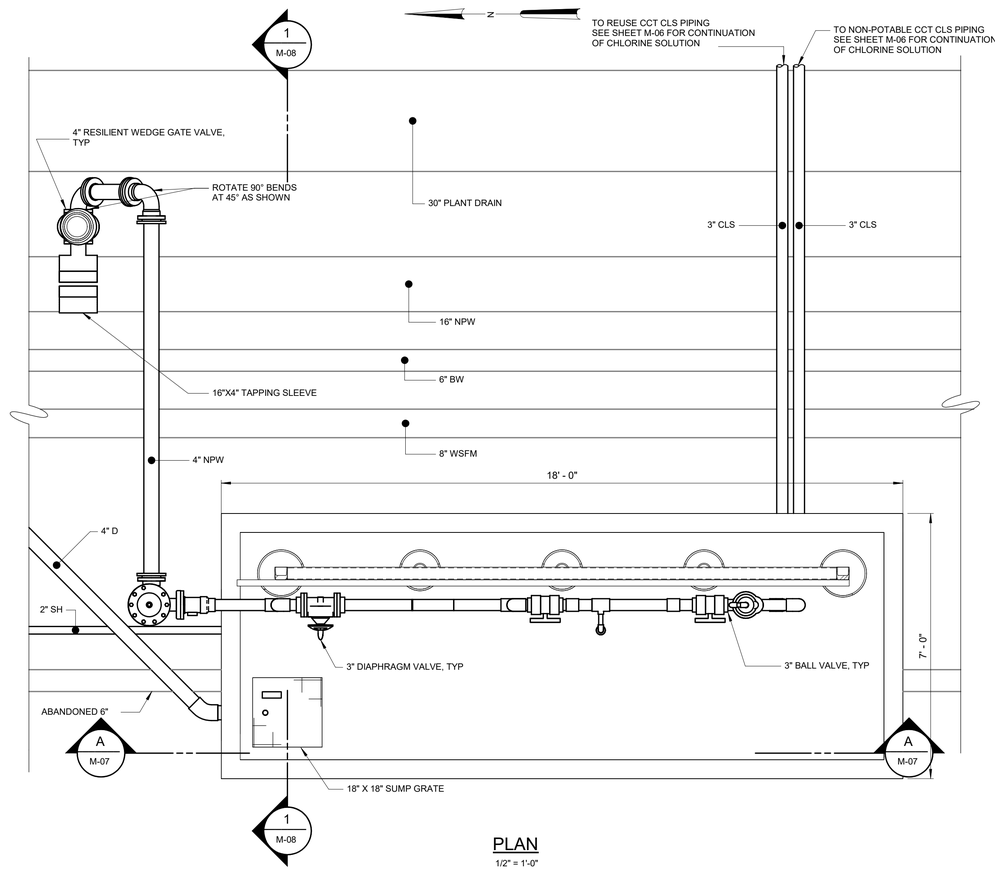
MECHANICAL
INJECTION POINTS 8 & 9
ENLARGED PIPING PLAN

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-06

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PLOT DATE: 8/11/2025 10:28 AM BY: JCOPPOLA

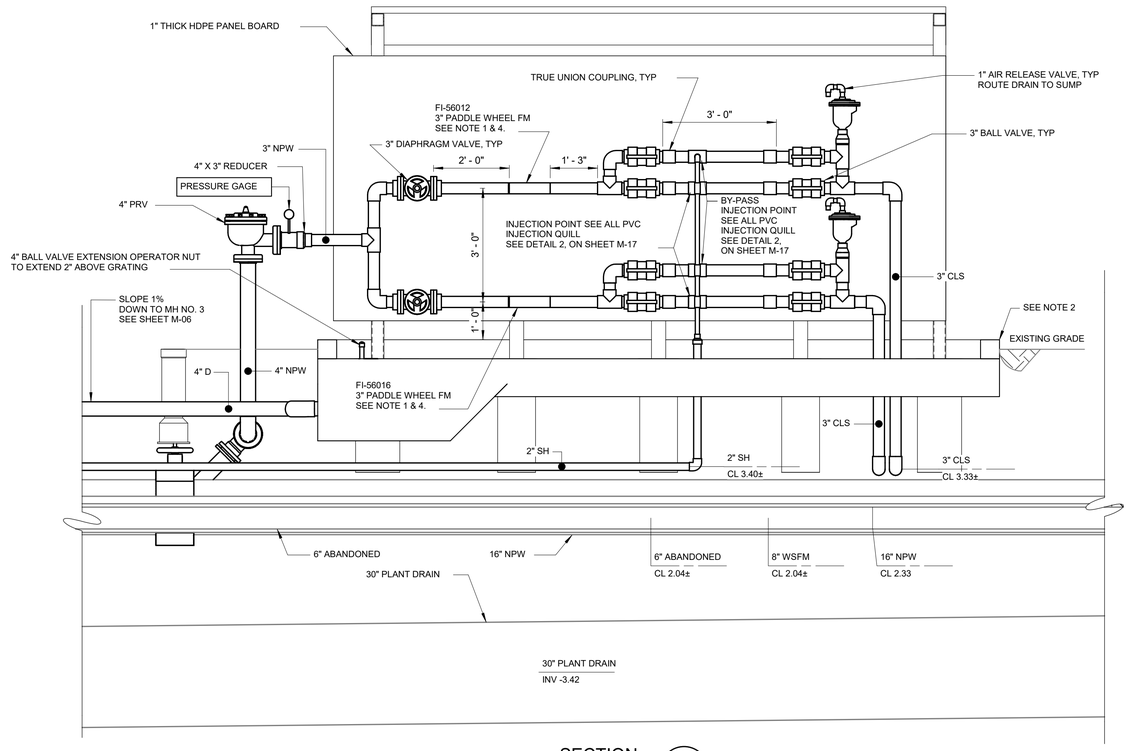
NOTES:

1. PROVIDE UPSTREAM CLEARANCE FOR THE FM OF 6X DIAMETER AND DOWNSTREAM CLEARANCE OF 3X DIAMETER.
2. SET FINSHED CONCRETE FLOOR ELEVATION TO MATCH EXISTING SURROUNDING GRADE.
3. INSTALL SIGNS 4, 5 & 7 ON BACKER BOARD. AVOID PIPING AND ENSURE FULL VISABILITY.
4. REFER TO TECHNICAL SPEC 40 71 39 FOR PADDLE WHEEL FLOW METER DETAILS.



PLAN

1/2" = 1'-0"



SECTION

1/2" = 1'-0"

A
M-07

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZOLAS
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE	0 1/2" 1"

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

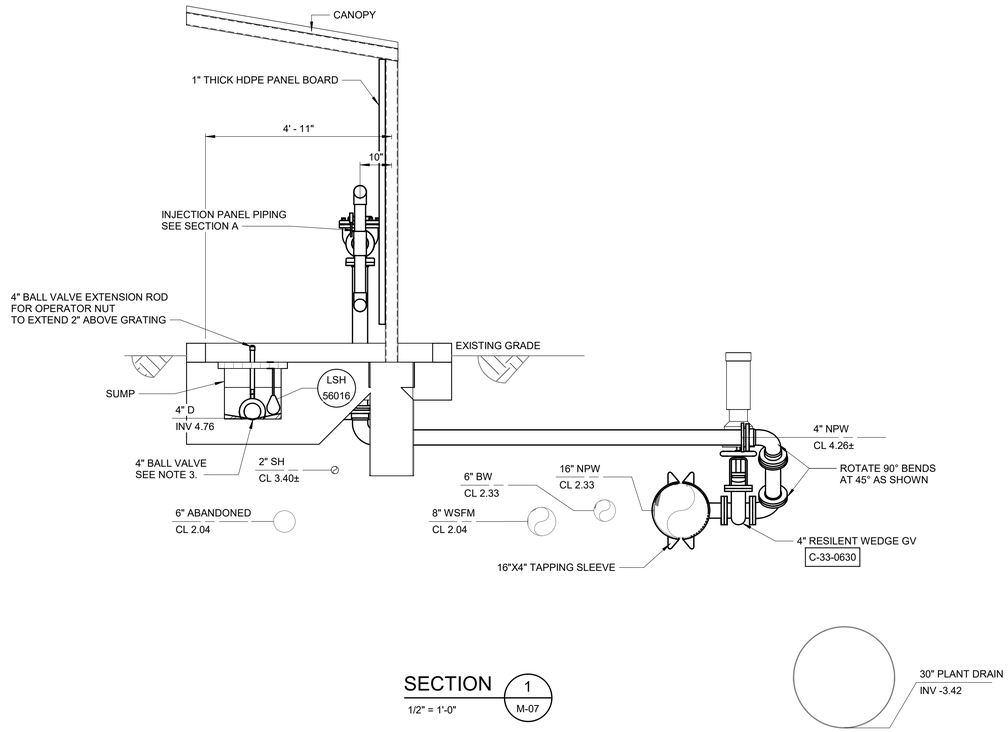
MECHANICAL
NaOCI INJECTION DOSING STATION
FOR REUSE CCT & NON-POTABLE CCT

DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-07

Autodesk Docs://04321-111/04321-111-200-INJ-M.rvt
12/22/2025 11:10:17 AM

NOTES:

1. SEE STRUCTURAL FOR CANOPY AND FRAMING. FURNISH AND ATTACH 1" HDPE PIPE BACKER BOARD WITH STAINLESS STEEL HARDWARE AND INSURE IT MEETS ALL WIND RATING CODES FOR FLORIDA.
2. SET CONCRETE CURBING ELEVATION 3 INCHES ABOVE EXISTING GRADE.
3. PLACE BALL VALVE INSIDE SUMP AT THE HEAD OF THE 4" DRAIN. GROUT INSIDE OF SUMP AT 1% TO OPEN INVERT OF THE 4" BV. BV NORMALLY CLOSED.



SECTION 1 / M-07
1/2" = 1'-0"

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZOLAS
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE — 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

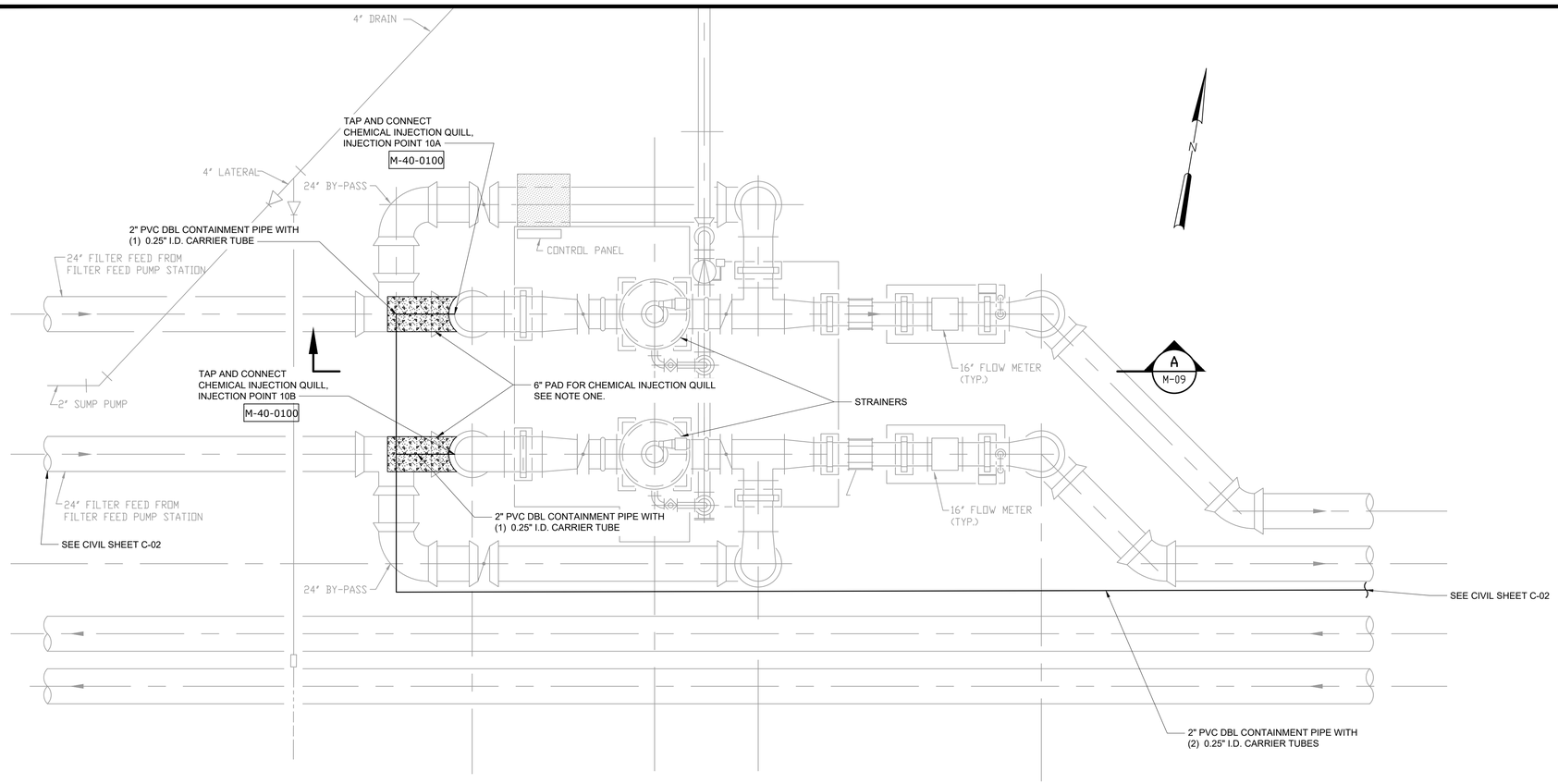
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

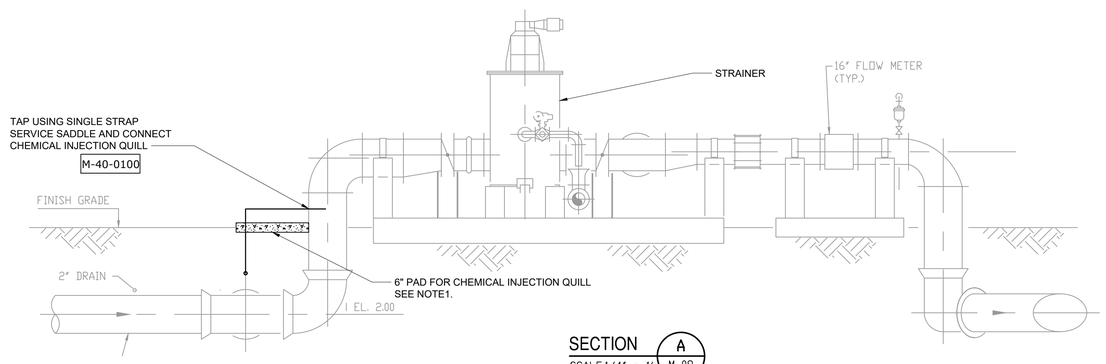
MECHANICAL
NaOCl INJECTION DOSING STATION
FOR REUSE CCT & NON-POTABLE CCT SECTION

DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-08

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PLAN 1
SCALE:1/4" = 1' C-02



SECTION A
SCALE:1/4" = 1' M-09

NOTES:

1. LENGTH OF PAD SHALL BE DETERMINED FROM FINAL CHEMICAL INJECTION QUILL LENGTH, PLUS THE DISTANCE FOR FULL WITHDRAWAL OF QUILL. THE WIDTH OF PAD SHALL BE ONE FOOT OFF THE CENTER OF THE QUILL. SET HEIGHT OF PAD 3 INCHES ABOVE EXISTING GRADE.

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZALEZ
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

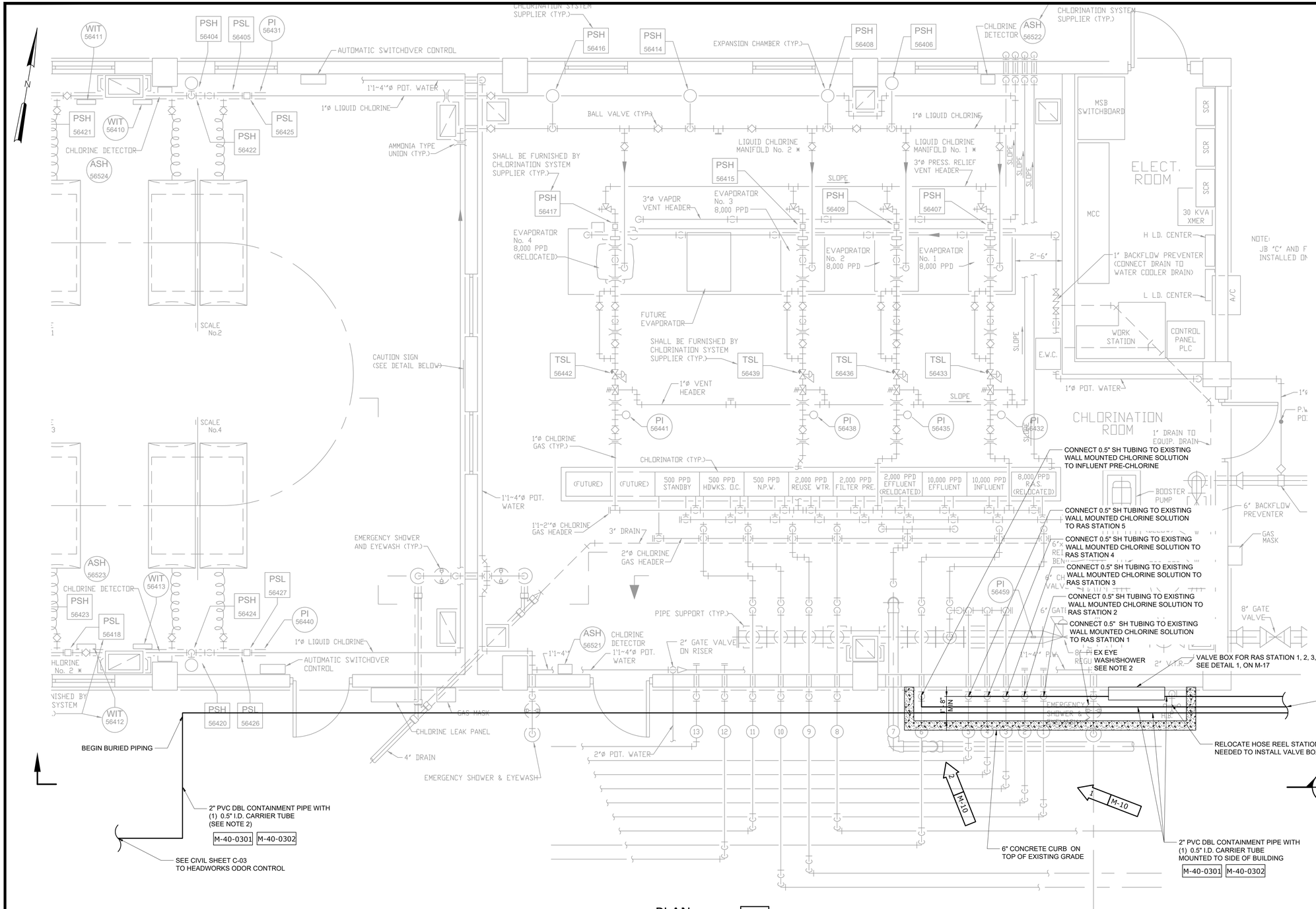
MECHANICAL
INJECTION POINTS 10A & 10B
STRAINERS PIPING PLAN

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-09

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NOTES:

1. SEE SECTION ON SHEET M-11 FOR APPROXIMATE PIPE ROUTING ALONG OUTSIDE OF CHLORINE BUILDING.
2. MODIFY EYE WASH/SHOWER PIPING AS NEEDED TO INSTALL PVC PIPING FROM VALVE BOX FOR RAS LINES 1, 2, 3, 4 AND 5. RESTORE EYE WASH/SHOWER TO WORKING AND SAFE OPERATIONAL CONDITION.



PLAN 2
SCALE:1/4" = 1' C-03

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZALEZ
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

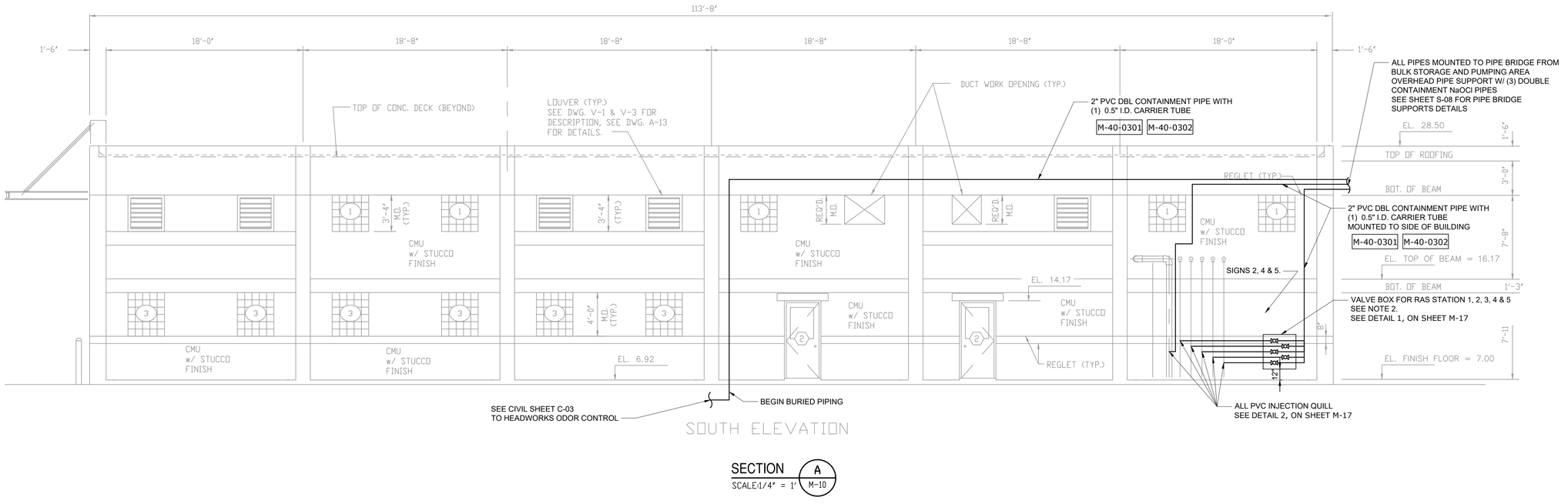
MECHANICAL
CHLORINE BUILDING PLAN

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-10

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PLOT DATE: 8/25/2025 11:20 AM BY: JCOPPOLA

NOTES:

1. REMOVE SECTION OF PIPE TO ACCESS INTERIOR 3" LINE SECTION OF EXISTING INTERIOR PIPE. INSTALL REDUCING TEE.
2. THE VALVE BOX FOR CHEMICAL CONTAINMENT SHALL BE FRP WITH THE MINIMUM DIMENSION OF 36" X 36" X 8". THE INTERIOR VALVE BOX PIPING AND FITTINGS SHALL BE SUPPORTED BY FRP CHANNELS.



SOUTH ELEVATION

SECTION A / M-10
SCALE: 1/4" = 1'

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZALEZ
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0, 1/2", 1")

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

MECHANICAL
CHLORINE BUILDING SECTION

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-11

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PHOTO No. 1 - CHLORINE BUILDING

NTS

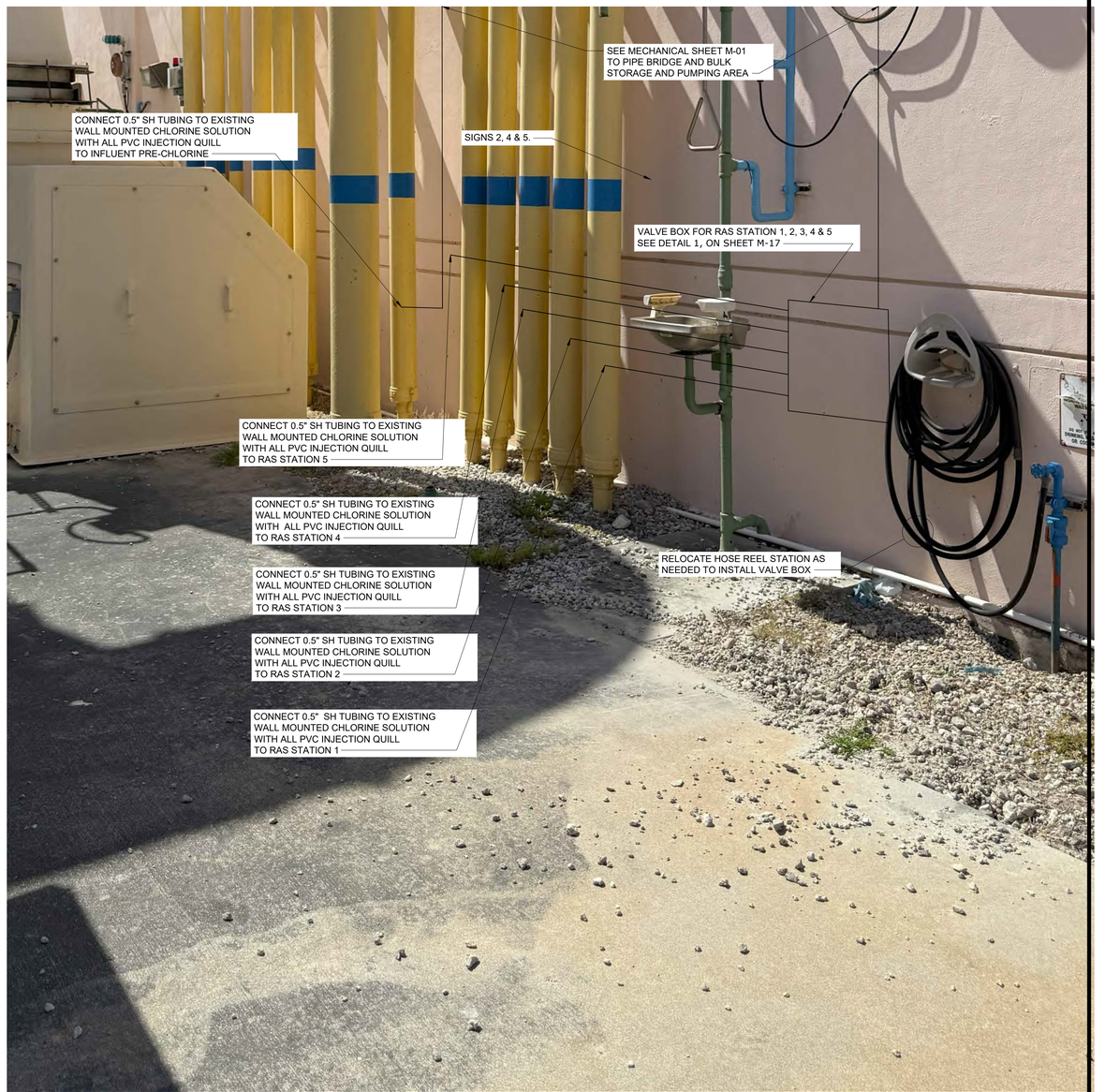


PHOTO No. 2 - CHLORINE BUILDING

NTS

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZALEZ
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

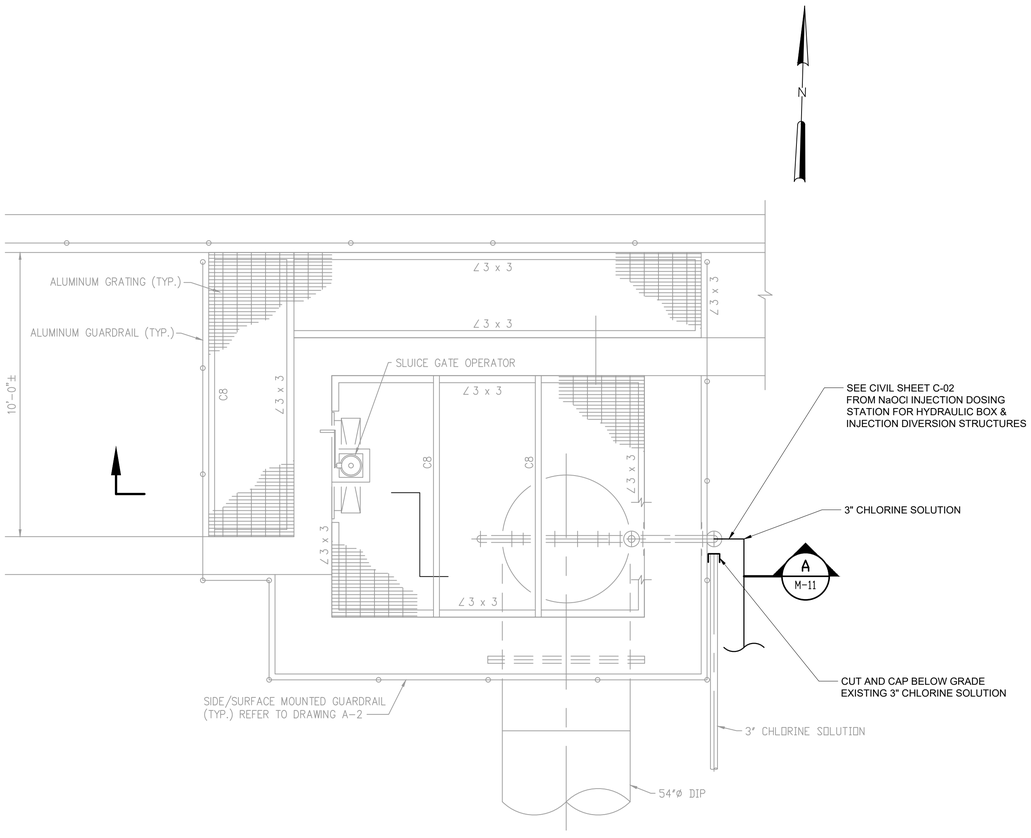
MECHANICAL
CHLORINE BUILDING PHOTOS

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-12

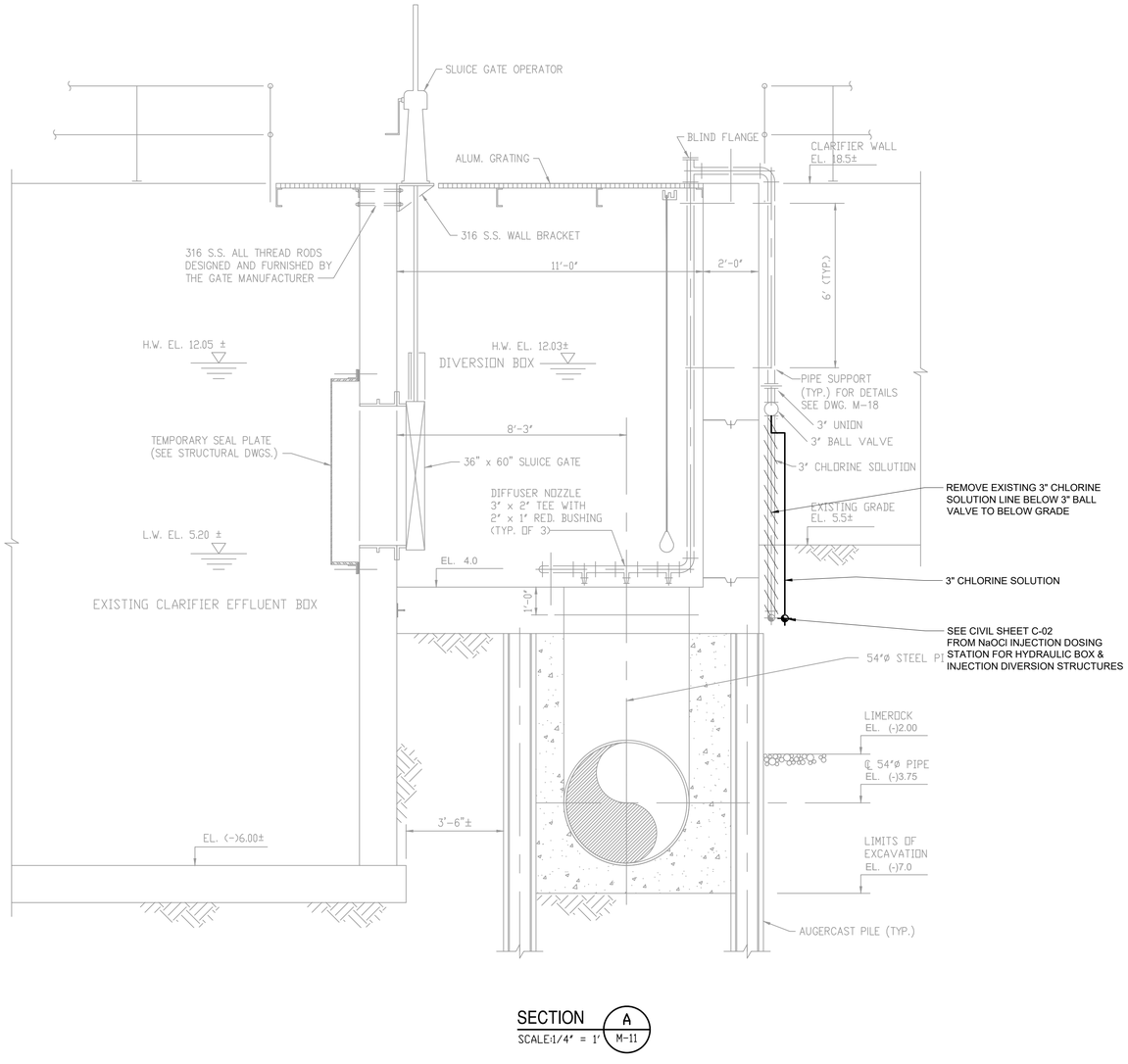
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NOTES:

1. SEE SPEC SECTION 01 14 00.



PLAN 2
SCALE:1/4" = 1' C-02



SECTION A
SCALE:1/4" = 1' M-11

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZALEZ
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

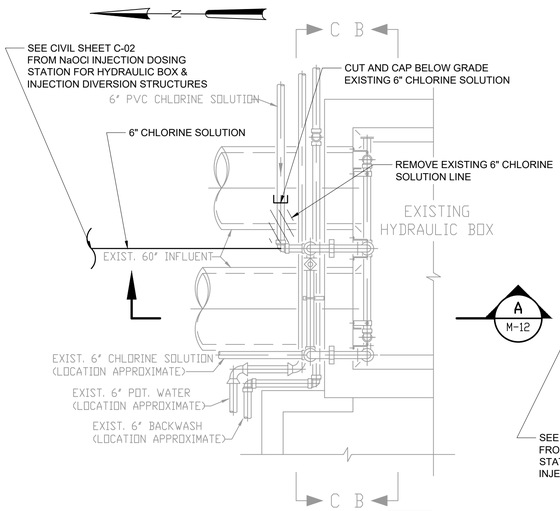
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

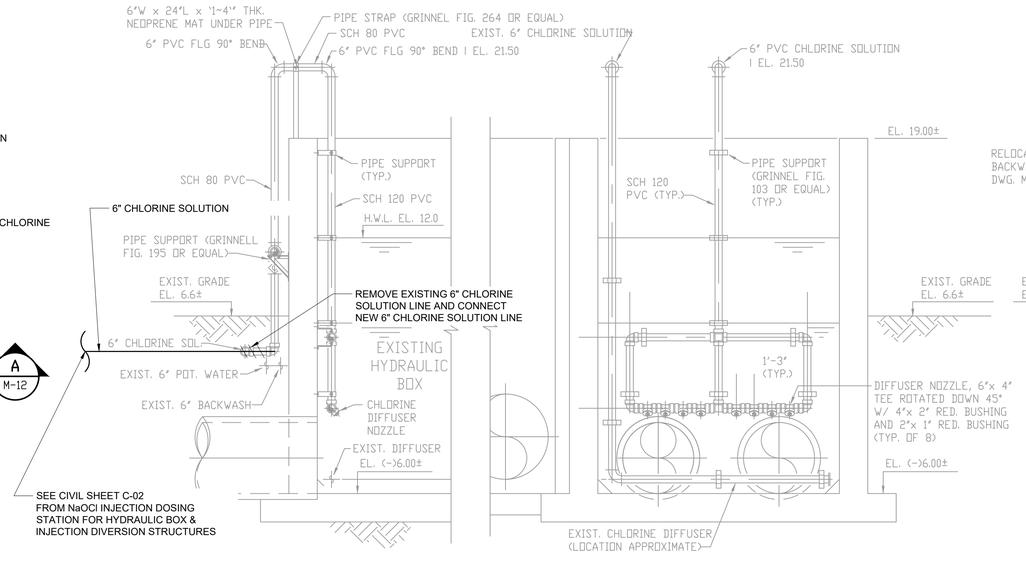
MECHANICAL
INJECTION POINT 7B INJECTION WELL
DIVERSION BOX PIPING DETAILS

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-13

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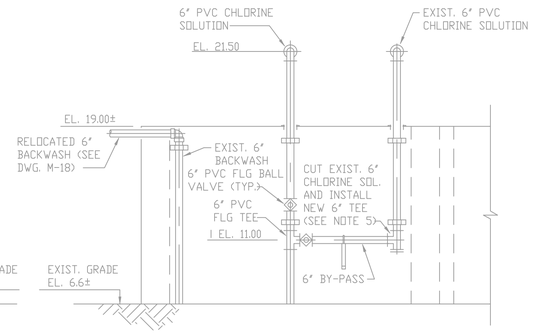


PLAN 3
SCALE:3/8" = 1' C-02



SECTION A
SCALE:3/8" = 1' M-12

SECTION B-B



SECTION C-C

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZALEZ
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0, 1/2", 1")

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

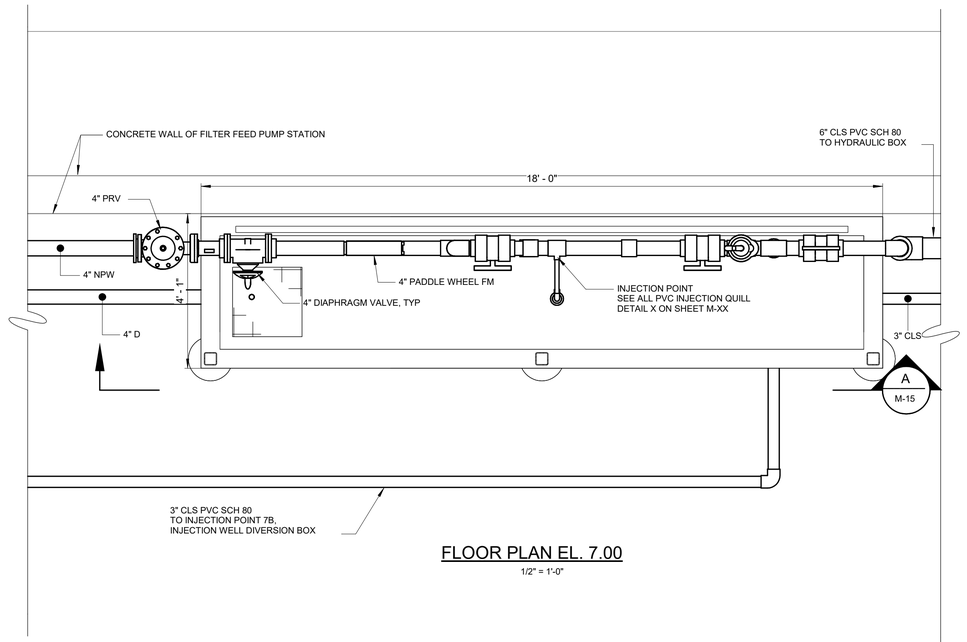
MECHANICAL
INJECTION POINT 7A HYDRAULIC BOX PIPING
DETAILS

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-14

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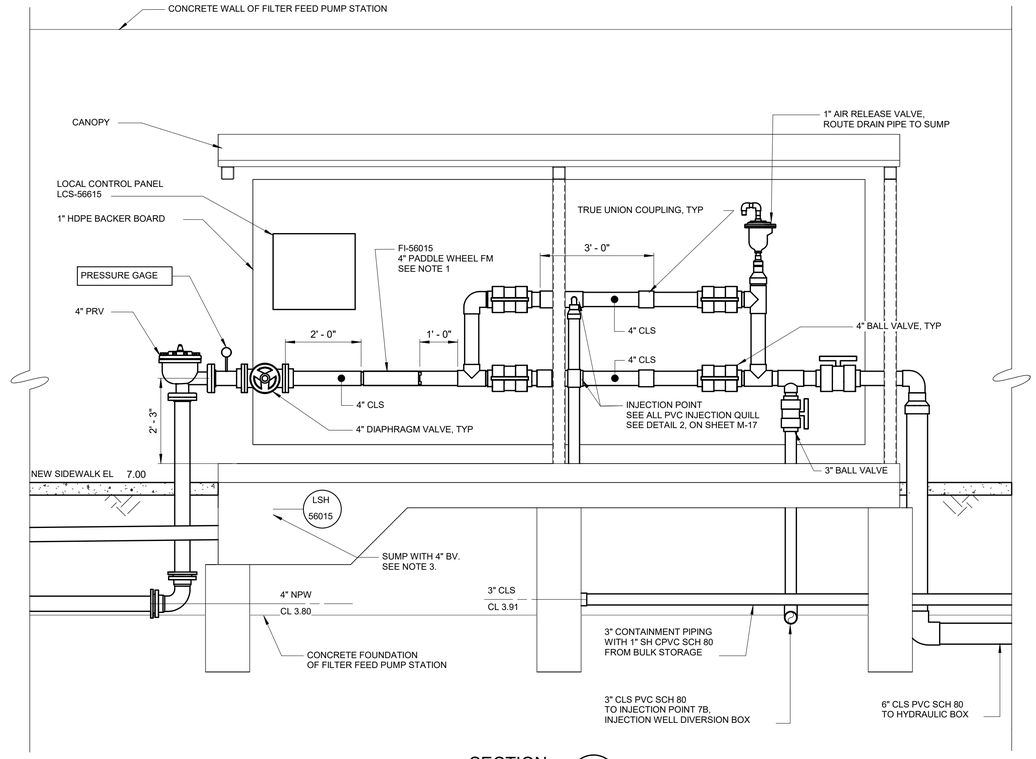
NOTES:

1. PROVIDE UPSTREAM CLEARANCE FOR THE FM 6X DIAMETER AND DOWNSTREAM CLEARANCE 3X DIAMETER.
2. INSTALL SIGNS 4, 5 & 7 ON BACKER BOARD. AVOID PIPING AND ENSURE FULL VISABILITY.
3. PLACE BALL VALVE INSIDE SUMP AT THE HEAD OF THE 4" DRAIN. GROUT INSIDE OF SUMP AT 1% TO OPEN INVERT OF THE 4" BV. BV NORMALLY CLOSED. USE ROD EXTENSION FOR BV OPERATOR. EXTEND THE OPERATING NUT 2" ABOVE GRATING.



FLOOR PLAN EL. 7.00

1/2" = 1'-0"



SECTION A/M-15

1/2" = 1'-0"

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	M. GONZOLAS
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE (0, 1/2", 1")

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

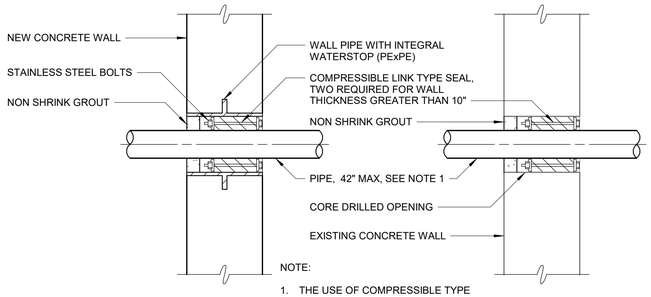
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

MECHANICAL
NaOCl INJECTION DOSING STATION
FOR HYDRAULIC BOX & INJECTION DIVERSION
STRUCTURES

DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-15

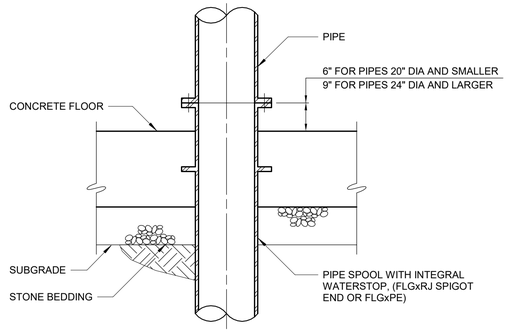
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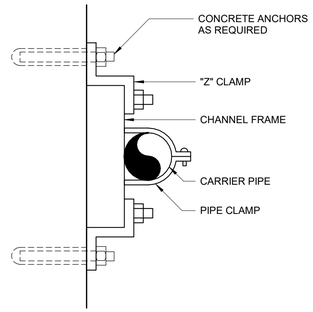
NOTE:

1. THE USE OF COMPRESSIBLE TYPE LINK SEALS ON PIPES LARGER THAN 42" REQUIRES ENGINEER'S APPROVAL.
2. PRIOR TO INSTALLATION OF LINK SEAL, BURN BACK REINFORCEMENT STEEL 1/2" MIN BELOW SURFACE AND FILL VOIDS CREATED WITH EPOXY RESIN BINDER.

M-40-0111



M-40-0113

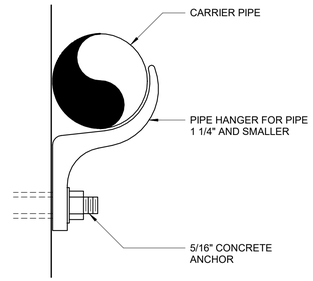


PIPE WALL SUPPORT AND SUPPORT RACK SHALL BE ASSEMBLED W/ CHANNEL FRAMES AND ACCESSORIES AS MANUFACTURED BY UNISTRUT CORP OR EQUAL

FOR ALL SH CONCENTRATE AND CHLORINE SOLUTION PIPING THE SUPPORTS SHALL BE CONSTRUCTED USING FRP "Z" CLAMPS CHANNEL FRAME AND PIPE CLAMPS.

PIPE WALL SUPPORT

M-40-0301



FOR ALL SH CONCENTRATE AND CHLORINE SOLUTION PIPING THE SUPPORTS SHALL BE CONSTRUCTED USING FRP PIPE HANGER.

WALL HANGER PIPE SUPPORT

M-40-0302

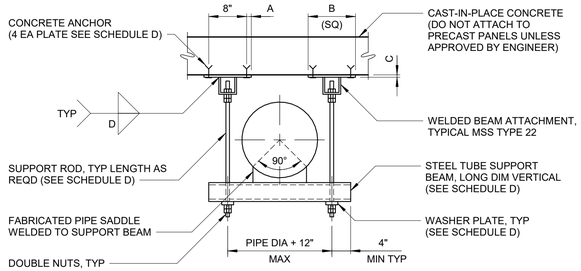
NOTES:

1. CONTRACTOR SHALL DESIGN THE SUPPORT SYSTEMS BASED ON ACTUAL WEIGHTS AND CONDITIONS AS SPECIFIED OR AS SHOWN ON THE CONTRACT DRAWINGS. PIPE HANGERS, SUPPORTS AND BRACKETS SHOWN HERE IN VARIOUS COMBINATIONS REPRESENT MINIMUM REQUIREMENTS FOR ACCEPTABLE SUPPORTS AS TO TYPES, MATERIALS, THICKNESSES, ORIENTATION, AND QUALITY. CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS AND DETAILS FOR PIPE SUPPORTS SEALED BY A PROFESSIONAL ENGINEER LICENSED BY THE STATE OR COMMONWEALTH WHERE THE PROJECT IS LOCATED WITH ALL PIPE HANGER AND SUPPORT SUBMISSIONS FOR REVIEW BY THE ENGINEER. WHEN SUBMITTING PROPOSED PIPE SUPPORTS AND SUPPORT LOCATIONS, THE CONTRACTOR SHALL USE APPROVED PIPING LAYOUT SUBMITTAL DRAWINGS TO SHOW PROPOSED PIPE SUPPORT TYPE AND LOCATION WITH ACCURATE DIMENSIONS TO DEMONSTRATE THAT SUPPORTS DO NOT EXCEED THE MAXIMUM SPACING REQUIREMENTS OF SECTION 40 05 07. THIS ENSURES THAT SUPPORTS HAVE BEEN COORDINATED WITH ACTUAL PIPE INSTALLATION DRAWINGS. AND THAT SPACING DOES NOT EXCEED MAXIMUM ALLOWABLE SPACING. THE PIPE SUPPORTS SHOWN AND REFERENCED UNDER SCHEDULES A, B & C ARE DESIGNED AND DETAILED FOR GRAVITY LOADING ONLY. RESULTING LATERAL LOADS FROM CONSTRUCTION CONDITIONS, DESIGN SEISMIC EVENT OR OTHER RELATED CONDITIONS SHALL BE APPLIED TO THE PIPE AND OTHER NON-STRUCTURAL COMPONENTS IN ACCORDANCE WITH THE GOVERNING BUILDING CODE. SUPPLEMENTAL LATERAL STIFFNESS, RESISTANCE AND MEMBERS (WHEN NECESSARY) SHALL BE PROVIDED ALONG PIPE OR AT GRAVITY SUPPORTS AND CONNECTIONS WHEN REQUIRED BY CALCULATIONS.
2. TYPICALLY, REINFORCED CONCRETE SUPPORTS SHALL BE USED WHEN PIPE CENTERLINE IS LESS THAN 3-FEET ABOVE CONCRETE FLOOR OR FINISHED GRADE, AND AT A MINIMUM, SHALL CONFORM TO STANDARD DETAIL S-03-0504.
3. MSS REFERS TO THE MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY, STANDARD PRACTICE SP-58 AND SP-69.
4. PIPE WALL SUPPORT AND PIPE SUPPORT RACK SHALL BE ASSEMBLED WITH CHANNEL FRAMES AND ACCESSORIES AS MANUFACTURED BY UNISTRUT CORP, OR VERSABAR CORP, OR EQUAL.
5. FABRICATED PIPE SUPPORT MAY BE USED AS SHOWN IN PIPE SUPPORT RACK DETAIL, OR TO SUPPORT PIPE FROM THE FLOOR.

SCHEDULE D

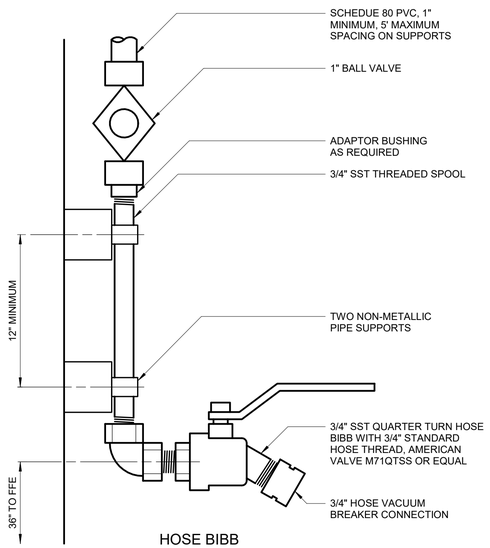
TRAPEZE SUPPORT (DIM IN INCHES)

PIPE SIZE	STEEL TUBE SUPPORT BEAM VERT x HOR	MINIMUM ROD Ø (INCHES)		WASHER PLATE	BASE PLATE			WELD	CONCRETE ANCHOR DIA	MAX SUPPORT SPACING IN FEET (SEE NOTE 8)	
		PROCESS PIPING	STEEL AIR PIPING		A	B	C	D		PROCESS PIPING	STEEL AIR PIPING
12-14	4x4x3/8	1/2	1/2	4x4x1/4	1	10	3/8	3/16	1/2	10	15
16-24	4x4x3/8	3/4	5/8	4x4x3/8	1	10	1/2	3/16	5/8	10	15
30-36	6x4x3/8	1	3/4	4x4x1/2	2	12	1/2	1/4	3/4	10	20
42	6x4x3/8	1 1/4	3/4	5x5x1/2	2	12	3/4	1/4	7/8	10	25
48	8x4x3/8	1 1/2	1	5x5x3/4	2	12	1	1/4	1	10	30



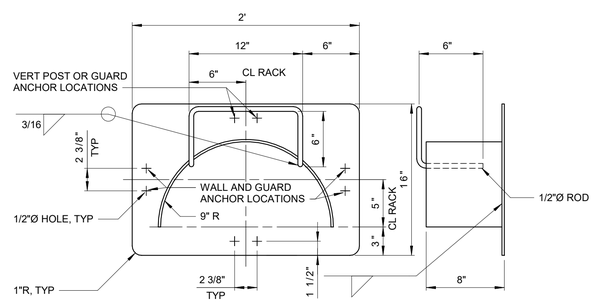
TRAPEZE SUPPORT

M-40-0310



HOSE BIBB

M-40-0704



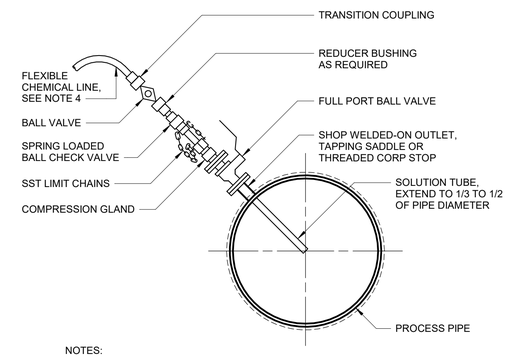
FRONT SIDE

NOTES:

1. ALL MATERIAL TO BE 304 STAINLESS STEEL. ANNEAL ASSEMBLY AFTER FABRICATION.
2. CHAMFER, GRIND, DEBURR ALL METAL EDGES FOR SMOOTH CONTOUR.
3. ATTACH TO GUARD WITH 316 STAINLESS STEEL U-BOLTS, NUTS AND WASHERS.

HOSE RACK

M-40-0707



NOTES:

1. CHEMICAL INJECTION QUILL SHALL BE INSTALLED IN INTERIOR SPACES OR IN A MANHOLE BUILT AROUND THE PROCESS PIPE. ORIENTATION WILL VARY TO SUIT THE INSTALLATION, TAKING INTO ACCOUNT CHEMICAL CONSIDERATIONS AND REQUIRED CLEARANCE FOR RETRACTION AND INSERTION.
2. ALL WETTED COMPONENTS OF INJECTION QUILL SHALL BE COMPLETELY RESISTANT TO CORROSION BY THE SPECIFIED CHEMICAL.
3. CHEMICAL INJECTION QUILL SHALL BE PROVIDED AS SPECIFIED IN SPECIFICATION SECTION 46 41 42.
4. PIPE SUPPORTS SHALL BE PROVIDED FOR FLEXIBLE CHEMICAL LINE AND RIGID CHEMICAL PIPING UPSTREAM OF THE INJECTION QUILL TO PREVENT FATIGUE AT THE TRANSITION COUPLING. RIGID AND FLEXIBLE CHEMICAL PIPING SHALL NOT BE SUPPORTED BY THE INJECTION QUILL.

CHEMICAL INJECTION QUILL

M-46-0100

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE 0 1/2" 1"

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

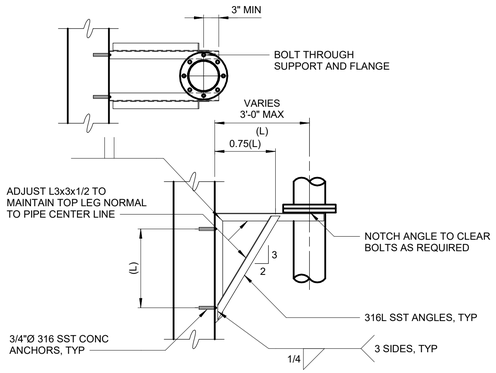
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

MECHANICAL
TYPICAL DETAILS 1

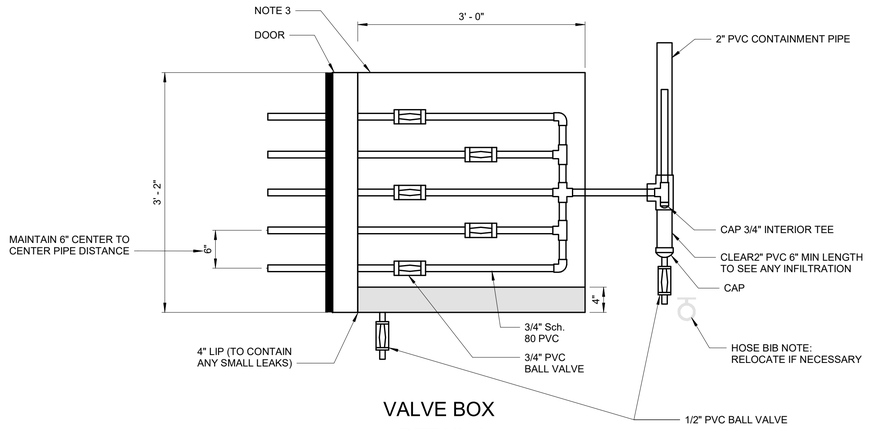
DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-16

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FLANGE TYPE SUPPORT

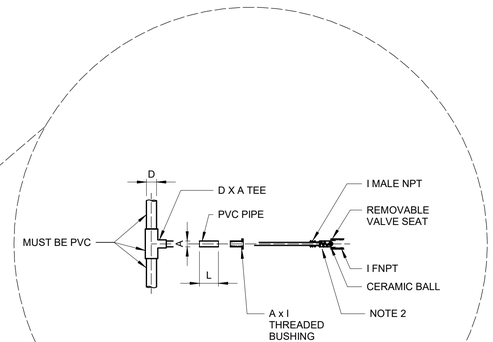
M-40-0311

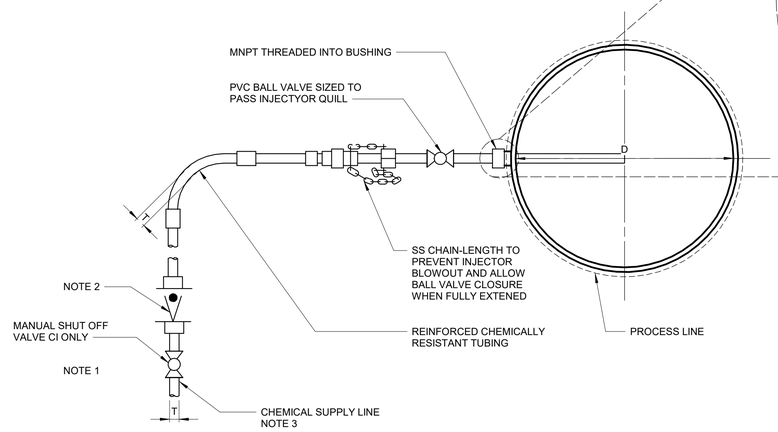


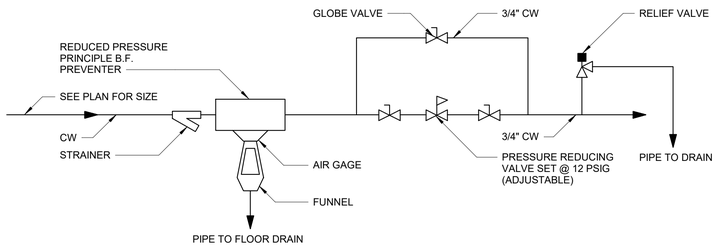
VALVE BOX

DETAIL 1

1" = 1'-0"







REDUCED PRESSURE BACKFLOW PREVENTER

P-22-0303

PROCESS	DIMENSIONS (IN)				
	D	A	I	T	L
RAS STATION LINES (1-5)	3"	1"	3/4"	3/4"	SUFFICENT LENGTH SO THAT INJECTION QUILL STINGER END IS NEAR THE CENTER OF THE TEE FLOW CENTER LINE
INFLUENT PRECHLORINATION	3"	1"	3/4"	3/4"	
OUTFALL	4"	1 1/2"	1"	1"	
REUSE CCT	3"	1"	1/4"	1/4"	
NON-POTABLE CCT	3"	1"	1/4"	1/4"	
HEADWORKS	NOTE 4		3/8"	3/8"	
REUSE PRECHLORINATION	REFER TO DETAIL M-40-0100				
NON-POTABLE PRECHLORINATION					

NOTES:

1. THE RAS STATION UPSTREAM INJECTION SHUT OFF VALVE SHALL BE HOUSED IN THE VALVE CONTAINMENT BOX. BOTH VALVES SHOWN IN THIS DETAIL SHALL BE PVC BALL VALVES.
2. ONLY ONE CHECK VALVE IS REQUIRED. THE CHECK VALVE CAN EITHER BE INTEGRATED INTO THE INJECTION QUILL OR DOWNSTREAM OF THE FIRST BALL VALVE. THE CHECK VALVE BALL AND SPRING SHALL BE CHEMICALLY COMPATIBLE WITH 12.5% TRADE SODIUM HYPOCHLORITE SUCH AS CERAMIC AND TITANIUM RESPECTIVELY.
3. CHEMICAL SUPPLY LINES AT 1/2" OR SMALLER SHALL BE REINFORCED CHEMICALLY RESISTANT TUBING ALL OTHER SIZES SHALL BE SCHEDULE 80 PVC.
4. COORDINATE WITH SEPARATE ODOR CONTROL SCUBBER IMPROVEMENT PROJECT.
5. CHEMICAL INJECTION QUILL SHALL BE INSTALLED IN INTERIOR SPACES OR IN A MANHOLE BUILT AROUND THE PROCESS PIPE. ORIENTATION WILL VARY TO SUIT THE INSTALLATION, TAKING INTO ACCOUNT CHEMICAL CONSIDERATIONS AND REQUIRED CLEARANCE FOR RETRACTION AND INSERTION.
6. ALL WETTED COMPONENTS OF INJECTION QUILL SHALL BE COMPLETELY RESISTANT TO CORROSION BY THE SPECIFIED CHEMICAL.
7. CHEMICAL INJECTION QUILL SHALL BE PROVIDED AS SPECIFIED IN SPECIFICATION SECTION 46 41 42.
8. PIPE SUPPORTS SHALL BE PROVIDED FOR FLEXIBLE CHEMICAL LINE AND RIGID CHEMICAL PIPING UPSTREAM OF THE INJECTION QUILL TO PREVENT FATIGUE AT THE TRANSITION COUPLING. RIGID AND FLEXIBLE CHEMICAL PIPING SHALL NOT BE SUPPORTED BY THE INJECTION QUILL.

ALL PVC INJECTION QUILL DETAIL

DETAIL 2

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DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

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Hazen

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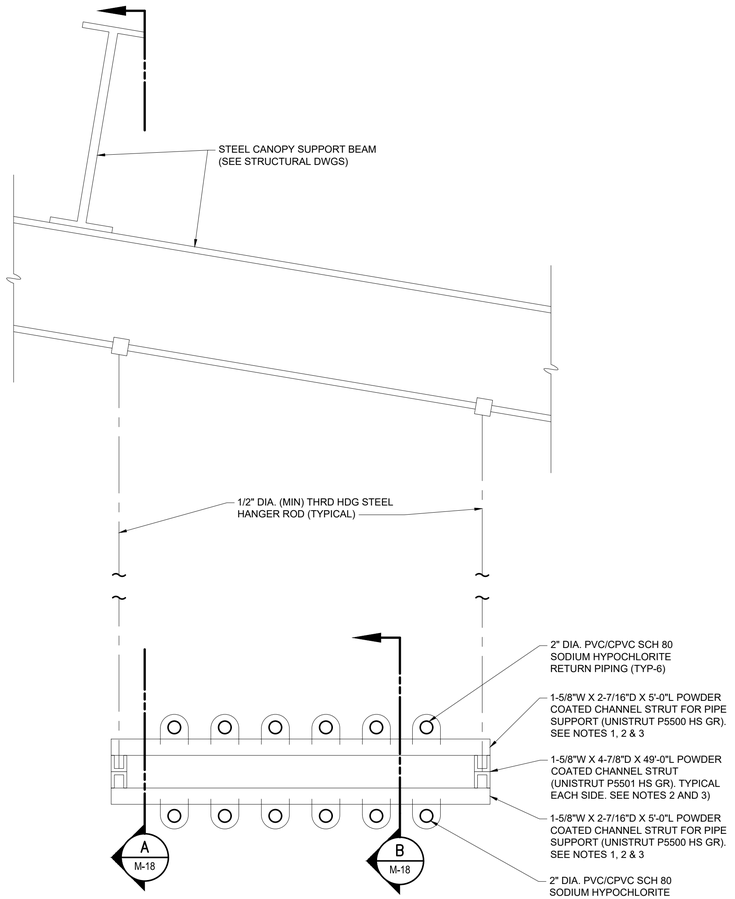
CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

MECHANICAL
TYPICAL DETAILS 2

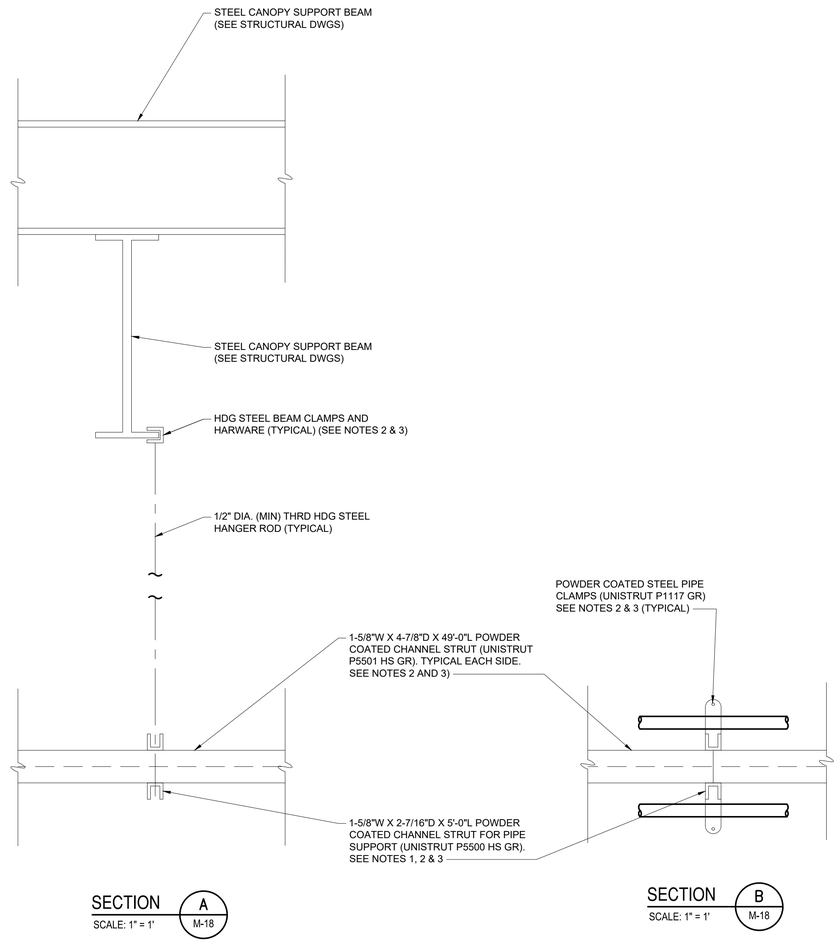
DATE:	DECEMBER 2025
PROJECT NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-17

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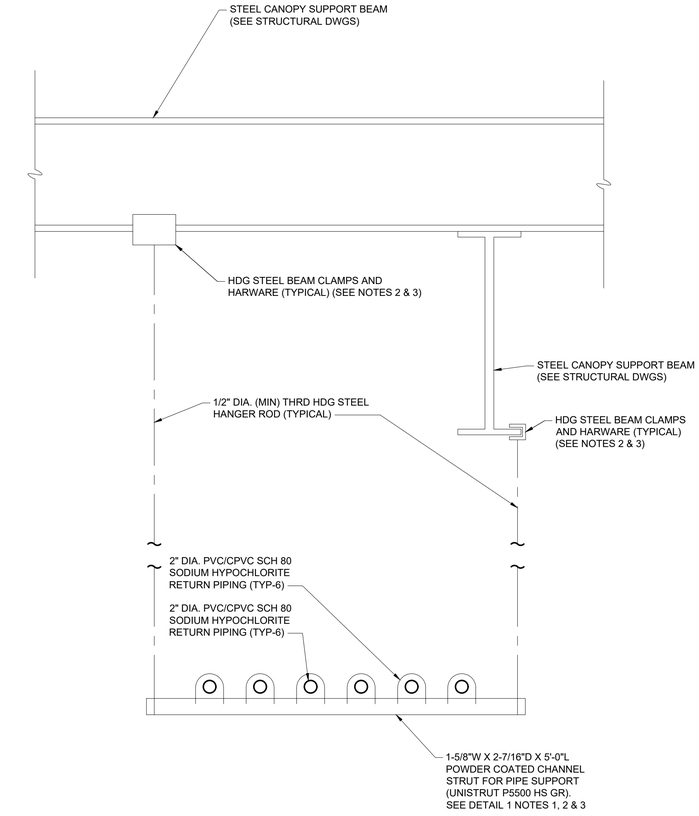
MODULAR TRAPEZE PIPE SUPPORT SYSTEM

DETAIL 1
SCALE: 1" = 1' -



SECTION A
SCALE: 1" = 1'
M-18

SECTION B
SCALE: 1" = 1'
M-18



TRAPEZE PIPE SUPPORT SYSTEM

DETAIL 2
SCALE: 1" = 1' -

NOTES:

1. UPPER AND LOWER CHANNEL STRUTS SHALL BE LOCATED TO PROVIDE PIPE SUPPORT SPACING OF NOT GREATER THAN 6'-0" CENTER TO CENTER. SUPPORTS SHALL ALSO BE LOCATED WHERE PIPES BRANCH OFF TOWARD TANKS OR EQUIPMENT CONNECTIONS.
2. PIPE SUPPORT SYSTEMS ARE LOCATED OUTDOOR WITHIN A CHEMICAL STORAGE AREA. ALL CHANNELS, FITTINGS AND RELATED HARDWARE SHALL BE POWDER COATED (UNISTRUT PERMA-GREEN III, OR EQUAL). WHERE POWDER COAT IS NOT AVAILABLE, UTILIZE UNISTRUT DEFENDER (OR EQUAL). FOR HARDWARE AND FASTENERS NOT AVAILABLE IN POWDER COAT OR DEFENDER, PROVIDE HOT-DIPPED GALVANIZING.
3. THE DETAILS ABOVE ARE BASED ON PRODUCTS AND PRODUCT NUMBERS PROVIDED BY UNISTRUT. CONTRACTOR MAY SUBMIT "OR EQUAL" MANUFACTURER PRODUCTS WITH COATINGS THAT PROVIDE HIGHEST AVAILABLE WEATHER AND CORROSION PROTECTION.

REV	ISSUED FOR	DATE	BY

PROJECT ENGINEER:	J. BOWDAN
DESIGNED BY:	A. QIU
DRAWN BY:	J. COPPOLA
CHECKED BY:	P. COOKE

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Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD SUITE 750N
HOLLYWOOD, FL 33021

CITY OF HOLLYWOOD
HOLLYWOOD, FLORIDA

SODIUM HYPOCHLORITE
TEMPORARY STORAGE AND FEED SYSTEM

MECHANICAL
TYPICAL DETAILS 3

DATE:	DECEMBER 2025
HAZEN NO.:	4321-111
CONTRACT NO.:	22-8073
DRAWING NUMBER:	M-18

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