



Environmental Protection and Growth Management Department
ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION
Water and Environmental Licensing Section
1 North University Drive, Mailbox 201, Plantation, Florida 33324
Phone * 954-519-1483 Fax * 954-519-1412

July 09, 2021

City of Fort Lauderdale
Attention: Rares Petrica, Senior Project Manager
100 N. Andrews Ave
Fort Lauderdale, FL 33301

RE: Fort Lauderdale Stormwater Improvements Edgewood Neighborhood
City of Fort Lauderdale, S/T/R (21-50-42)

This is to notify you of the Environmental Protection and Growth Management Department's (EPGMD) action concerning your application received 01/06/2021. The application has been reviewed for compliance with the following requirements:

ERP Review - GRANTED

EPGMD has the authority to review the project for compliance with the provisions of Chapter 373, Part IV, Florida Statutes pursuant to an agreement between EPGMD, DEP and the SFWMD. The agreement is outlined in a document entitled "DELEGATION AGREEMENT AMONG THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT, AND BROWARD COUNTY."

Based on the information submitted, Environmental Resource Permit No. 06-80003-P was issued on 07/09/2021.

Should you object to the conditions of the Environmental Resource Permit, please refer to the attached "Notice of Rights" which addresses the procedures to be followed if you desire a public hearing or other review of the proposed action. Please contact this office if you have any questions concerning this matter. If we do not hear from you in accordance with the attached "Notice of Rights", we will assume you concur with the action taken by EPGMD.

Broward County Surface Water Management Review - GRANTED

EPGMD has reviewed the project for compliance with the Surface Water Management requirements of Chapter 27, Article V Sec. 27-191 through 27-202 of the Broward County Code.

Based on the information submitted, Surface Water Management License No. SWM2018-081-8 was issued on 07/09/2021. The above named licensee is hereby authorized to perform the work or operate the facility shown on the approved drawing(s), plans, documents and specifications, as submitted by licensee, and made a part hereof.

Please be advised that no Certificate of Occupancy can be issued on this project until released, in writing, by all EPGMD divisions as required. Such release will be pending approval of any engineering certifications required by specific condition No. 15.

Broward County Environmental Resource License Review - GRANTED

EPGMD has reviewed the project, and the construction shall be in accordance with Application DEP form 62-343.900 (1), the EPGMD Addendum, and all associated information received on 12/11/2020. Based on the information submitted, the plans have been approved and stamped with Broward County Environmental Resource License (ERL) No. DF20-1348.

The above referenced approvals will remain in effect subject to the following:

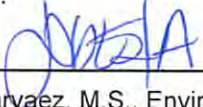
1. Not receiving a filed request for a Chapter 120, Florida Statutes administrative hearing;
2. the attached SFWMD General Conditions;
3. the attached SFWMD Special Conditions;
4. the attached Broward County General Conditions;
5. the attached Broward County Specific Conditions;
6. the attached 156 exhibits.

Issuance of the above referenced Broward County license(s) constitutes a final agency determination. A person with a substantial interest may file a petition to request review of or to intervene in a review of a final administrative determination, subject to the provisions of Section 27-14, Broward County Code of Ordinance.

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a "Notice of Rights" has been mailed to the Permittee (and the persons listed in the attached distribution list) no later than 5:00 p.m. on 07/09/2021, in accordance with Section 120.60 (3), Florida Statutes.

By: _____


Johana Narvaez, M.S., Environmental Program Manager
Surface Water Management Program

Enclosed are the following:

- ☒ executed staff report;
- ☒ set(s) of stamped and approved plans;
- ☒ Notice of Rights; and
- ☒ Inspection Guidelines Brochure.



Broward County Board of County Commissioners
Environmental Engineering and Permitting Division

Surface Water Management Program

“What to Expect When We Are Inspecting Surface Water Management Systems”

A guideline for **engineers, contractors, and licensees** of surface water management systems when applying for the release of Certificate(s) of Occupancy.

The intent of this document is to establish some guidelines to achieve compliance with the Code while maximizing customer service needs to licensees and their agents and the local building departments by facilitating the Certificate(s) of Occupancy (CO) release procedure for building projects. It is also the intent of this document to encourage licensees and their agents and the local building departments to not put our inspection staff on the “critical path”. ***We recognize that the local building departments must adhere to the requirements of the Florida Building Code and the requirements of Article I of the Broward County Natural Resource Protection Code.***

The Environmental Engineering and Permitting Division (EPPD) - Surface Water Management Licensing program has the responsibility of reviewing designs, licensing, and inspecting surface water management systems within portions of Broward County under the provisions of the Broward County Natural Resource Protection Code, Chapter 27, Section 27-191 through Section 27-201. This includes enforcement for the purpose of protecting our natural resources. This document contains specific information about the EPPD’s surface water management inspection procedures, review of record/as-built drawings, and time required to complete the procedure successfully. Please be advised this document may be included with the approved license and may be modified on an as-needed basis.

The following certification package must be submitted at least two (2) weeks prior to the anticipated date of occupancy; exceptions may be made on a case by case basis.

Note: Item 1 is not applicable to plans stamped as General Licenses (GL##-###). Items 2 & 3 may apply to GL if plans are stamped for construction certification.

1. Final Record/As-built Drawings (hard copy and electronic) of the site, lake/canal slopes, control structure(s) or overflow structure(s) (where applicable), and Finished Floor Elevation(s); etc.
2. Signed and sealed letter from a Florida-Registered Professional Engineer certifying all components of the surface water management system were constructed in substantial conformance with the approved plans; and
3. When requesting a partial certification include a \$100 partial certification fee (fees are subject to change). The certifying engineer must indicate that a substantial amount of the water management system has been constructed to serve the partial phase to satisfy the water quality and water quantity requirements of the Code and exactly which lots/buildings are requested for release.

Staff will perform an inspection on a first-come first-served basis of the above items. A successful submittal of the required items will prevent unwanted delays in the inspection and CO release processes.

What we look for During the Record/As-Built Drawing Review and During the Inspection

1. The engineer's letter must contain the appropriate certification language. The suggested wording is located in the Code and in the specific conditions of the license. The letter must be signed and sealed. It is imperative that the engineer of record describe any minor modifications to the system that were made during the construction of the project. However, substantial modifications must have received prior approval by the Surface Water Licensing Program.
2. The as-built/record drawing must document the Finished Floor Elevation(s) showing substantial conformance with approved plans.
3. In addition to rim, manhole, and pipe invert elevations, the plans should contain a sufficient amount of survey information to show that the site grades and perimeter grades were constructed in substantial conformance with the approved plans.
4. If part of the approved system, lake and canal slope as-built plans should contain a substantial number of cross sections (a minimum of 1 section per 50 linear feet is preferred) to show compliance with the Department's slope criteria. The staff reserves the right to require additional slope cross sections as necessary as well as slope regrading. Surface area calculations at the control elevation should be submitted for lakes.
5. Control structure or overflow structure information must show all (as-built) dimensions and elevations.
6. All catch basin and manhole structures must have appropriate mudwork to prevent seepage that could lead to structure/asphalt failures and subsequent turbidity violations.
7. All catch basins, manholes, and pipes must be relatively free of sediment and debris and must be accessible to staff. Arrangements should be made with staff for inspecting basins that are covered with fabric materials for sediment control purposes. Fabric must be removed by the licensee or other appropriate personnel prior to the inspection.
8. Lake, canal, swale, dry detention/retention area slopes must be stabilized through appropriate measures, i.e., no evidence of erosion or sedimentation should be encountered during the inspection. Arrangements should be made with staff with regards to timeliness of sodding or seeding slopes and bottoms of dry detention/retention areas.
9. All baffle mechanisms must be made water tight at all contact surfaces of basin walls by a durable gasket device.

Successful compliance with the above items will insure a timely release of the Certificate(s) of Occupancy from division staff.

Upon completion of the field inspection, arrangements with inspection staff will be made to correct all observed field deficiencies. With your cooperation, the Operation Letter will be released upon correction of all field deficiencies.

Environmental Engineering and Permitting Division

Surface Water Management Program

1 North University Drive, Mailbox 201 • Plantation, Florida 33324

Phone 954-519-1483 FAX 954-519-1412

NOTICE OF RIGHTS

As required by Sections 120.569(1), and 120.60(3), Fla. Stat., following is notice of the opportunities which may be available for administrative hearing or judicial review when the substantial interests of a party are determined by an agency. Please note that this Notice of Rights is not intended to provide legal advice. Not all the legal proceedings detailed below may be an applicable or appropriate remedy. You may wish to consult an attorney regarding your legal rights.

RIGHT TO REQUEST ADMINISTRATIVE HEARING

A person whose substantial interests are or may be affected by the Broward County Environmental Protection and Growth Management Department's (EPGMD, formerly known as Department of Planning and Environmental Protection or DPEP) action under the "Delegation Agreement Among the Florida Department of Environmental Protection, The South Florida Water Management District and Broward County" has the right to request an administrative hearing on that action pursuant to Sections 120.569 and 120.57, Fla. Stat. Persons seeking a hearing on an EPGMD decision which does or may determine their substantial interests shall file a petition for hearing with the EPGMD Environmental Compliance Administrator, within 21 days of receipt of written notice of the decision, unless the following shorter time period applies: within 14 days of service of an Administrative Order pursuant to Subsection 373.119(1), Fla. Stat. "Receipt of written notice of agency decision" means receipt of either written notice through mail, or electronic mail, or posting that the EPGMD has or intends to take final agency action, or publication of notice that the EPGMD has or intends to take final agency action. Any person who receives written notice of an EPGMD decision and fails to file a written request for hearing within the timeframe described above waives the right to request a hearing on that decision.

Filing Instructions

The Petition must be filed with the EPGMD Enforcement Administration Section's Environmental Compliance Administrator. Filings with the Environmental Compliance Administrator may be made by mail, hand-delivery or facsimile. **Filings by facsimile will not be accepted after October 1, 2014.** A petition for administrative hearing is deemed filed upon receipt during normal business hours by the Environmental Compliance Administrator, at the Broward County government offices in Plantation, Florida. Any document received by the EPGMD Enforcement Administration after 5:00 p.m. shall be filed as of 8:00 a.m. on the next regular business day. Additional filing instructions are as follows:

- Filings by mail must be addressed to the Environmental Compliance Administrator, Enforcement Administration Section, 1 N University Drive, Suite 307, Plantation, FL 33324.
- Filings by hand-delivery must be delivered to the EPGMD Enforcement Administration Section. **Delivery of a petition to the Broward County security desk does not constitute filing. To ensure proper filing, it will be necessary to request the Broward County security officer to contact the Environmental Compliance Administrator's office.** An employee of the Environmental Compliance Administrator's office will receive and file the petition.
- Filings by e-mail must be transmitted to the EPGMD Enforcement Administration Section at **epdhotline@broward.org**. The filing date for a document transmitted by electronic mail shall be the date the EPGMD Enforcement Administration Section receives the complete document. A party who files a document by e-mail shall (1) represent that the original physically signed document will be retained by that party for the duration of the proceeding and of any subsequent appeal or subsequent proceeding in that cause and that the party shall produce it upon the request of other parties; and (2) be responsible for any delay, disruption, or interruption of the electronic signals and accepts the full risk that the document may not be properly filed.

Initiation of an Administrative Hearing

Pursuant to Rules 28-106.201 and 28-106.301, Fla. Admin. Code, initiation of an administrative hearing shall be made by written petition to the EPGMD in legible form and on 8 and 1/2 by 11 inch white paper. All petitions shall contain:

1. Identification of the action being contested, including the permit number, application number, EPGMD file number or any other EPGMD identification number, if known.
2. The name, address and telephone number of the petitioner and petitioner's representative, if any.
3. An explanation of how the petitioner's substantial interests will be affected by the agency determination.
4. A statement of when and how the petitioner received notice of the EPGMD's decision.
5. A statement of all disputed issues of material fact. If there are none, the petition must so indicate.
6. A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the EPGMD's proposed action.
7. A statement of the specific rules or statutes the petitioner contends require reversal or modification of the EPGMD's proposed action.
8. If disputed issues of material fact exist, the statement must also include an explanation of how the alleged facts relate to the specific rules or statutes.
9. A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the EPGMD to take with respect to the EPGMD's proposed action.

A person may file a request for an extension of time for filing a petition. The EPGMD may, for good cause, grant the request. Requests for extension of time must be filed with the EPGMD prior to the deadline for filing a petition for hearing. Such requests for extension shall contain a certificate that the moving party has consulted with all other parties concerning the extension and that the EPGMD and any other parties agree to or oppose the extension. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon.

If the EPGMD takes action with substantially different impacts on water resources from the notice of intended agency decision, the persons who may be substantially affected shall have an additional point of entry pursuant to Rule 28-106.111, Fla. Admin. Code, unless otherwise provided by law.

Mediation

The procedures for pursuing mediation are set forth in Section 120.573, Fla. Stat., and Rules 28-106.111 and 28-106.401-.405, Fla. Admin. Code. The EPGMD is not proposing mediation for this agency action under Section 120.573, Fla. Stat., at this time.

RIGHT TO SEEK JUDICIAL REVIEW

Pursuant to Sections 120.60(3) and 120.68, Fla. Stat., a party who is adversely affected by final EPGMD action may seek judicial review of the EPGMD's final decision by filing a notice of appeal pursuant to Florida Rule of Appellate Procedure 9.110 in the Fourth District Court of Appeal or in the appellate district where a party resides and filing a second copy of the notice with the Environmental Compliance Administrator within 30 days of rendering of the final EPGMD action.

Rev. 10/01/14

SFWMD General Conditions

1. All activities shall be implemented following the plans, specifications and performance criteria approved by this permit. Any deviations must be authorized in a permit modification in accordance with Rule 62-330.315, F.A.C. Any deviations that are not so authorized may subject the permittee to enforcement action and revocation of the permit under Chapter 373, F.S.
2. A complete copy of this permit shall be kept at the work site of the permitted activity during the construction phase, and shall be available for review at the work site upon request by the Agency staff. The permittee shall require the contractor to review the complete permit prior to beginning construction.
3. Activities shall be conducted in a manner that does not cause or contribute to violations of state water quality standards. Performance-based erosion and sediment control best management practices shall be installed immediately prior to, and be maintained during and after construction as needed, to prevent adverse impacts to the water resources and adjacent lands. Such practices shall be in accordance with the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (Florida Department of Environmental Protection and Florida Department of Transportation June 2007), and the Florida Stormwater Erosion and Sedimentation Control Inspector's Manual (Florida Department of Environmental Protection, Nonpoint Source Management Section, Tallahassee, Florida, July 2008), which are both incorporated by reference in subparagraph 62-330.050(9)(b)5, F.A.C., unless a project-specific erosion and sediment control plan is approved or other water quality control measures are required as part of the permit.
4. At least 48 hours prior to beginning the authorized activities, the permittee shall submit to the Agency a fully executed Form 62-330.350(1), 'Construction Commencement Notice,' indicating the expected start and completion dates. A copy of this form may be obtained from the Agency, as described in subsection 62-330.010(5), F.A.C. If available, an Agency website that fulfills this notification requirement may be used in lieu of the form.
5. Unless the permit is transferred under Rule 62-330.340, F.A.C., or transferred to an operating entity under Rule 62-330.310, F.A.C., the permittee is liable to comply with the plans, terms and conditions of the permit for the life of the project or activity.
6. Within 30 days after completing construction of the entire project, or any independent portion of the project, the permittee shall provide the following to the Agency, as applicable:
 - a. For an individual, private single-family residential dwelling unit, duplex, triplex, or quadruplex - 'Construction Completion and Inspection Certification for Activities Associated With a Private Single-Family Dwelling Unit' [Form 62-330.310(3)]; or
 - b. For all other activities - 'As-Built Certification and Request for Conversion to Operational Phase' [Form 62-330.310(1)].
 - c. If available, an Agency website that fulfills this certification requirement may be used in lieu of the form.
7. If the final operation and maintenance entity is a third party:
 - a. Prior to sales of any lot or unit served by the activity and within one year of permit issuance, or within 30 days of as-built certification, whichever comes first, the permittee shall submit, as applicable, a copy of the operation and maintenance documents (see sections 12.3 thru 12.3.3 of Volume I) as filed with the Department of State, Division of Corporations and a copy of any easement, plat, or deed restriction needed to operate or maintain the project, as recorded with the Clerk of the Court in the County in which the activity is located.
 - b. Within 30 days of submittal of the as-built certification, the permittee shall submit 'Request for Transfer of Environmental Resource Permit to the Perpetual Operation Entity' [Form 62-330.310(2)] to transfer the permit to the operation and maintenance entity, along with the documentation requested in the form. If available, an Agency website that fulfills this transfer requirement may be used in lieu of the form.
8. The permittee shall notify the Agency in writing of changes required by any other regulatory agency that require changes to the permitted activity, and any required modification of this permit must be obtained prior to implementing the changes.

9. This permit does not:
- Convey to the permittee any property rights or privileges, or any other rights or privileges other than those specified herein or in Chapter 62-330, F.A.C.;
 - Convey to the permittee or create in the permittee any interest in real property;
 - Relieve the permittee from the need to obtain and comply with any other required federal, state, and local authorization, law, rule, or ordinance; or
 - Authorize any entrance upon or work on property that is not owned, held in easement, or controlled by the permittee.
10. Prior to conducting any activities on state-owned submerged lands or other lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, the permittee must receive all necessary approvals and authorizations under Chapters 253 and 258, F.S. Written authorization that requires formal execution by the Board of Trustees of the Internal Improvement Trust Fund shall not be considered received until it has been fully executed.
11. The permittee shall hold and save the Agency harmless from any and all damages, claims, or liabilities that may arise by reason of the construction, alteration, operation, maintenance, removal, abandonment or use of any project authorized by the permit.
12. The permittee shall notify the Agency in writing:
- Immediately if any previously submitted information is discovered to be inaccurate; and
 - Within 30 days of any conveyance or division of ownership or control of the property or the system, other than conveyance via a long-term lease, and the new owner shall request transfer of the permit in accordance with Rule 62-330.340, F.A.C. This does not apply to the sale of lots or units in residential or commercial subdivisions or condominiums where the stormwater management system has been completed and converted to the operation phase.
13. Upon reasonable notice to the permittee, Agency staff with proper identification shall have permission to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.
14. If any prehistoric or historic artifacts, such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, work involving subsurface disturbance in the immediate vicinity of such discoveries shall cease. The permittee or other designee shall contact the Florida Department of State, Division of Historical Resources, Compliance and Review Section, at (850) 245-6333 or (800) 847-7278, as well as the appropriate permitting agency office. Such subsurface work shall not resume without verbal or written authorization from the Division of Historical Resources. If unmarked human remains are encountered, all work shall stop immediately and notification shall be provided in accordance with Section 872.05, F.S.
15. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under Rule 62-330.201, F.A.C., provides otherwise.
16. The permittee shall provide routine maintenance of all components of the stormwater management system to remove trapped sediments and debris. Removed materials shall be disposed of in a landfill or other uplands in a manner that does not require a permit under Chapter 62-330, F.A.C., or cause violations of state water quality standards.
17. This permit is issued based on the applicant's submitted information that reasonably demonstrates that adverse water resource-related impacts will not be caused by the completed permit activity. If any adverse impacts result, the Agency will require the permittee to eliminate the cause, obtain any necessary permit modification, and take any necessary corrective actions to resolve the adverse impacts.
18. Recorded Notice of Environmental Resource Permit may be recorded in the county public records in accordance with Rule 62-330.090(7), F.A.C. Such notice is not an encumbrance upon the property.

SFWMD Special Conditions

1. The permittee shall be responsible for the correction of any erosion, shoaling or water quality problems that result from the construction or operation of the surface water management system.
2. Measures shall be taken during construction to insure that sedimentation and/or turbidity problems are not created in the receiving water.
3. The District reserves the right to require that additional water quality treatment methods be incorporated into the drainage system if such measures are shown to be necessary.
4. Facilities other than those stated herein shall not be constructed without an approved modification of this permit.
5. The conditions outlined in the Broward County Specific Conditions section, except where language specifically relates to Broward County Code, are incorporated into these SFWMD Special Conditions.
6. A stable, permanent and accessible elevation reference shall be established on or within one hundred (100) feet of all permitted discharge structures no later than the submission of the certification report. The location of the elevation reference must be noted on or with the certification report.
7. Operation of the surface water management system shall be the responsibility of permittee.
8. All terms, conditions, and exhibits previously stipulated by SFWMD Permit # 06-80003-P will apply to this license unless specifically modified.
9. This permit expires on 07/09/2026.
10. If prehistoric or historic artifacts such as pottery or ceramics, stone tools or metal implements, dugout canoes, or any other physical remains that could be associated with Native American cultures, or early colonial or American settlement are encountered at any time within the project site area, the permitted project should cease all activities involving subsurface disturbance in the immediate vicinity of such discoveries. The Permittee or other designee should contact the Florida Department of State, Division of Historical Resources, Review and Compliance Section at 850-245-6333 or 800-847-7278, as well as the appropriate permitting agency office. Project activities should not resume without verbal and/or written authorization from the Division of Historical Resources.

In the event that unmarked human remains are encountered during permitted activities, all work shall stop immediately and the proper authorities notified in accordance with section 872.05, Florida Statutes.

Broward County General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth herein are accepted by the licensee and must be completed by the licensee and are enforceable by the Environmental Protection and Growth Management Department (EPGMD) pursuant to Chapter 27 of the Broward County Code of Ordinances. The EPGMD will review this license periodically and may revoke or suspend the license, and initiate administrative and/or judicial action for any violation of the conditions by the licensee, its agents, employees, servants or representatives.
2. This license is valid only for the specific uses set forth in the license application and any deviation from the approved uses may constitute grounds for revocation, suspension, and/or enforcement action by the EPGMD.
3. In the event the licensee is temporarily unable to comply with any of the conditions of the license or with this chapter, the licensee shall notify the EPGMD within eight (8) hours or as stated in the specific section of this chapter. Within three (3) working days of the event, the licensee shall submit a written report to EPGMD that describes the incident, its cause, the measures being taken to correct the problem and prevent its reoccurrence, the owner's intention regarding the repair, replacement and reconstruction of destroyed facilities and a schedule of events leading toward operation with the license condition.
4. The issuance of this license does not convey any vested rights or exclusive privileges, nor does it authorize any injury to public or private property or any invasion of personal rights, or any violations of federal, state or local laws or regulations.
5. This license must be available for inspection on licensee's premises during the entire life of the license.
6. By accepting this license, the licensee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this licensed facility or activity, that are submitted to the EPGMD, may be used by the EPGMD as evidence in any enforcement proceeding arising under Chapter 27 of the Broward County Code of Ordinances, except where such use is prohibited by Section 403.111, Florida Statutes.
7. The licensee agrees to comply with Chapter 27 of the Broward County Code of Ordinances, and shall comply with all provisions of the most current version of this chapter, as amended.
8. Any new owner or operator of a licensed facility shall apply by letter for a transfer of license within thirty (30) days after sale or legal transfer. The transferor shall remain liable for performance in accordance with the license until the transferee applies for and is granted a transfer of license. The transferee shall be liable for any violation of Chapter 27 of the Broward County Code of Ordinances that results from the transferee's activities. The transferee shall comply with the transferor's original license conditions when the transferee has failed to obtain its own license.
9. The licensee, by acceptance of this license, specifically agrees to allow access and shall allow access to the licensed source, activity or facility at times by EPGMD personnel for the purposes of inspection and testing to determine compliance with this license and Chapter 27 of the Broward County Code of Ordinances.
10. This license does not constitute a waiver or approval of any other license, approval, or regulatory requirement by this or any other governmental agency that may be required.
11. Enforcement of the terms and provisions of this license shall be at the reasonable discretion of EPGMD, and any forbearance on behalf of EPGMD to exercise its rights hereunder in the event of any breach by the licensee, shall not be deemed or construed to be a waiver of EPGMD's rights hereunder.

Broward County Specific Conditions

1. The licensee shall allow authorized personnel of the Environmental Protection and Growth Management Department (EPGMD), municipality or local water control district to conduct such inspections at reasonable hours, as are necessary to determine compliance with the requirements of the license and the approved plans and specifications.
2. The responsible entity shall agree to maintain the operating efficiency of the water management works. Except in cases where the responsible entity is a governmental agency, the agreement shall further require that if the water management works is not adequately maintained, the County may undertake the required work and bill all associated costs to the responsible entity. If the payment for such obligations is not satisfied within 30 days, said obligation shall become a lien against the property associated with the water management works. Where ownership of the water management works is separate from property ownership, the EPGMD shall require these agreements to be recorded.
3. The licensee shall execute the work authorized in a manner so as to minimize any adverse impact of the works on fish, wildlife, natural environmental values, and water quality. The licensee shall institute necessary measures during the construction period, including fill compaction of any fill material placed around newly installed structures, to reduce erosion, turbidity, nutrient loading and sedimentation in the receiving waters. Any erosion, shoaling or deleterious discharges due to permitted actions will be corrected promptly at no expense to the County.
4. The licensee shall comply with all applicable local land use and subdivision regulations and other local requirements. In addition, the licensee shall obtain all necessary Federal, State, local and special district authorizations prior to the start of any construction alteration of works authorized by this license.
5. Off-site discharges during construction and development shall be made only through the facilities authorized by this license. Water discharged from the project shall be through structures having a mechanism for regulating upstream water stages. Stages may be subject to operating schedules satisfactory to the appropriate regulatory agency.
6. The licensee shall hold and save the County harmless from any and all damages, claims, or liabilities which may arise by reason of the construction, operation, maintenance or use of any facility authorized by the license.
7. The license does not convey property rights nor any rights or privileges other than those specified therein.
8. No construction authorized by the license shall commence until a responsible entity acceptable to the EPGMD has been established and has agreed to operate and maintain the efficiency of the system. The entity must be provided with sufficient ownership so that it has control over all water management facilities authorized therein. Upon receipt of written evidence of the satisfaction of this condition, the EPGMD will issue authorization to commence the construction.
9. No beautification, or erection of any structure that will prohibit or limit access of maintenance equipment or vehicles in the right-of-way or easements will be allowed.
10. Any license which grants any entity the permission to place a structure on property which is owned by Broward County or upon which Broward County has an easement shall be construed to create a revocable license for that structure to remain on the property. Broward County may require removal of such a structure at no cost to the County.
11. The area under license will be maintained in a safe and operating condition at all times. Equipment will be promptly removed from the right-of-way or easement and the right-of-way or easement will be restored to its original or better condition within a reasonable time on termination of the authorized use.

12. The EPGMD will be notified, as required in the license or as indicated on the approved plans, to coordinate and schedule inspections.
13. The operation or construction will be in accordance with the approved details and plans submitted with the application. Any modification must be submitted to the EPGMD in writing and receive prior approval.
14. Monitoring may be required for sites with high pollutant generating potential, such as industrial sites, Class I and II solid waste disposal sites, and projects discharging to areas identified in the Broward County Resource Management Code, Article V, Section 27-200 (b) (1) o. Such monitoring will be under the cognizance of the EPGMD.
15. Upon completion of the construction of a surface water management system or phase thereof licensed by the EPGMD, it is a requirement of the issuance of the license, and hence transfer of operation and maintenance responsibility, that a Florida Registered Professional Engineer certify that the surface water management system was indeed constructed as licensed. Certified record drawings shall accompany the certification. Suggested wording for this is as follows:
- I HEREBY CERTIFY TO THE CONSTRUCTION COMPLETION OF ALL THE COMPONENTS OF THE SURFACE WATER MANAGEMENT FACILITIES FOR THE ABOVE REFERENCES PROJECT AND THAT THEY HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE BROWARD COUNTY EPGMD, AND HEREBY AFFIX MY SEAL THIS _____ DAY OF _____, 20____.
- _____
(SEAL)
16. Water management areas shall be legally reserved to the operation entity and for that purpose by dedication on the plat, deed restrictions, easements, etc., so that subsequent owners or others may not remove such areas from their intended use. Management areas, including maintenance easements, shall be connected to a public road or other location from which operation and maintenance access is legally and physically available.
17. The licensee shall notify the EPGMD in writing within twenty-four (24) hours of the start, finish, suspension, and/or abandonment of any construction or alteration of works authorized by this license.
18. A prorated share of surface water management retention/detention areas, sufficient to provide the required flood protection and water quality treatment, must be provided prior to occupancy of any building or residence.
19. The operation license shall be valid for a specific period of time not to exceed five (5) years from the date the license is transferred to the operation phase. The operation license shall be renewed in accordance with the Broward County Resource Management Code, Article V, Section 27 - 198 (d) (2).
20. The EPGMD reserves the right to require additional water quality treatment methods be incorporated into the drainage system if such measures are shown to be necessary.
21. This permit does not constitute the approval required by the Broward County Hazardous Material Code, Article XII, Section 27-353(i), to conduct dewatering operations at or within one-quarter mile radius of a contaminated site. Please contact the Environmental Assessment and Remediation Section at (954) 519-1478 for further information.

22. The licensee shall keep a log of the operation and maintenance schedule for all components of the surface water management system.
23. The surface water management system must be inspected by the EPGMD to verify compliance with Specific Condition No. 15 of the license. In accordance with the Broward County Natural Resource Protection Code, Article I, Sec. 27-66 (f), the County agency or municipal agency charged with issuing a certificate of occupancy (CO) shall not issue a CO until notified of the Broward County EPGMD approval. Partial certifications will be handled in accordance with Specific Condition No. 18.
24. The licensee is advised that he/she is required to submit a Storm Water Notice of Intent (NOI) application at least 48 hours prior to the commencement of construction to the Florida Department of Environmental Protection, NPDES Stormwater Notices Center, MS #3585 at 2600 Blair Stone Road - Tallahassee, Florida 32399-2400.
25. All commercial parcel(s) must provide one half (1/2) inch of dry pre-treatment prior to discharging into the wet detention areas of the master drainage system where applicable.
26. All special conditions, exhibits and other materials previously stipulated by license number SWM2018-081-0 and/or permit number 06-80003-P remain in effect unless otherwise revised and shall apply to this modification.

AQUATIC AND WETLAND RESOURCES PROGRAM:**GENERAL CONDITIONS FROM BROWARD COUNTY AQUATICS AND WETLANDS RESOURCE PROGRAM**

1. The terms, conditions, requirements, limitations and restrictions set forth herein are accepted by the licensee and enforceable by Environmental Protection and Growth Management Department (EPGMD) pursuant to Chapter 27 of the Broward County Code of Ordinances. EPGMD will review this license periodically and may revoke the license, initiate administrative and/or judicial action for any violation of the conditions by the licensee, its agents, employees, servants or representatives or principals.
2. This license is valid only for the specific uses set forth in the license application, and any deviation from the approved uses may constitute grounds for revocation and enforcement action by EPGMD.
3. In the event the licensee is temporarily unable to comply with any of the conditions of the license, the licensee shall notify EPGMD within twelve (12) hours. Within five (5) working days of the event, the licensee shall submit a written report to EPGMD that describes the incident, its cause, the measures being taken to correct the problem and prevent its reoccurrence, the owner's intention toward repair, replacement, and reconstruction of destroyed facilities, and a schedule of action leading toward operation within the license conditions.
4. The issuance of this license does not convey any vested rights or exclusive privileges, nor does it authorize any injury to public or private property or any invasion of personal rights, or any violations of federal, state or local laws or regulations.
5. This license must be available for inspection on the licensee's premises during the entire life of the license.
6. By accepting this license, the licensee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, that are submitted to EPGMD, may be used by EPGMD as evidence in any enforcement proceeding arising under Chapter 27 of the Broward County Code of Ordinances, except where such use is prohibited by § 403.111, F.S.
7. The licensee agrees to comply with Chapter 27 of the Broward County Code of Ordinances, as amended.
8. Any new owner of a licensed facility shall apply by letter for a transfer of license within thirty (30) days after sale or legal transfer. The transferor shall remain liable for performance in accordance with the license until the transferee applies for, and is granted the transfer of license. The transferee shall also be liable for performance in accordance with the license.
9. The licensee, by acceptance of this license, specifically agrees to allow access to the licensed source at reasonable times by EPGMD personnel for the purposes of inspection and testing to determine compliance with this license and this Chapter 27 of the Broward County Code of Ordinances.
10. This license does not constitute a waiver or approval of any other license that may be required for other aspects of the total project.
11. If the licensee wishes to renew a license or extend its term, the licensee shall make application sixty (60) days prior to its expiration. Expired licenses are not renewable.
12. In addition to the general conditions set forth above, each license issued by EPGMD shall contain specific conditions determined by site conditions and requirements pursuant to the regulations as determined by the director of EPGMD. The licensee agrees that specific conditions are enforceable by EPGMD for any violation thereof.
13. Enforcement of the terms and provisions of this license shall be at the reasonable discretion of EPGMD, and any forbearance on behalf of EPGMD to exercise its rights hereunder in the event of any breach by the licensee, shall not be deemed or construed to be a waiver of EPGMD's rights hereunder.

SPECIFIC CONDITIONS FROM BROWARD COUNTY AQUATICS AND WETLANDS RESOURCE PROGRAM**A. STANDARD CONDITIONS**

1. **Notify the Department in writing a minimum of 48 hours prior to project commencement and a maximum of 48 hours after project completion.** Commencement notification should include such information as the intended start date, estimated duration of construction, and the name and contact information of the firm contracted to do the work. Failure to comply with this condition may result in enforcement action.
2. Any project caused environmental problem(s) shall be reported immediately to the Department's Environmental Response Line at 954-519-1499.
3. All project generated solid waste and/or spoil material must be disposed of in a suitable approved manner in accordance with current regulations at an upland location (not including surface waters and wetlands).
4. Turbidity screens, silt fences, or equivalent shall be properly employed and maintained as necessary to effectively contain suspended sediments and/or runoff during construction activities. Dredging, filling, excavation, seawall removal, seawall construction, and other projects which result in similar degrees of disturbance to wet sediments shall in all cases employ turbidity control measures designed to effectively enclose the entire work area.
5. Turbidity levels shall be monitored and recorded if a visible turbidity plume is observed leaving the site during construction activities. If monitoring reveals that turbidity levels exceed 29 NTU's above natural background 50 feet downstream of the point of discharge, project activities shall immediately cease, and work shall not resume until turbidity levels drop to within these limits [62-302.530(69) FAC].

B. CONSTRUCTION CONDITIONS

1. If the approved license drawings and/or license attachments/plans conflict with the specific conditions, then the specific conditions shall prevail.
2. Demolition and construction related debris must be disposed of at an approved upland location and may not be left in the waterway.
3. This license does not eliminate the necessity to obtain any required federal, state, local or special district authorizations prior to the start of any activity approved by this license.

C. MANGROVE CONDITIONS

1. Adjacent wetland areas shall be protected from construction activities and construction-related runoff through the use of siltation screening and/or haybales around the perimeter of the scrapedown area adjacent to wetlands. The erosion protection devices shall be placed before the initiation of any other ground-disturbing activities and shall remain in place until all ground disturbing activities within the project have concluded, and the site has stabilized, at which time the screening or haybales shall be removed completely from the site.
2. Spoil generated from the excavation authorized by this license must be placed on the upland portion of the site and must be contained in such a manner as to prevent erosion into the adjacent mangrove wetlands or other surface waters.
3. Initial mangrove alteration may be performed subsequent to issuance of this permit (and subject to all conditions and requirements of this permit). Mangroves may subsequently be maintained at the permitted configurations on an annual basis until the expiration date of this permit.

D. TURBIDITY CONDITIONS

1. All watercraft associated with the proposed work and/or use of the permitted structure shall only operate within waters of sufficient depth so as to preclude bottom scouring or prop dredging.
2. The contractor shall be responsible to have functional turbidity monitoring equipment on site during all construction activities and shall be responsible for training construction personnel in its calibration, operation, and related license requirements.
3. If a visible turbidity plume is observed leaving the site at any time, the licensee shall:
 - (a) Immediately cease all work contributing to the water quality violation. Operations may not resume until the Department gives authorization to do so.
 - (b) Notify the EPGMD immediately at (954) 519-1499, referencing the license number and project name.
 - (c) Stabilize all exposed material contributing to the water quality violation. Modify the work procedures that were responsible for the violation, and install more turbidity containment devices and/or repair any non-functioning turbidity containment devices.
4. Connected turbidity curtain segments shall be overlapped and tied at the top and bottom so as to prevent turbidity from escaping through gaps between segments.
5. Turbidity curtains shall be deployed to effectively encapsulate the work area without impeding navigation in public waterways.

E. PROTECTED MARINE SPECIES CONDITIONS

1. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The licensee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
2. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
3. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
4. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shut down if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
5. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com
6. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the licensee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads Caution: Boaters

must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut-down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

STANDARD SEA TURTLE AND SMALLTOOTH SAWFISH CONSTRUCTION CONDITIONS

1. The permittee shall instruct all personnel associated with the project of the potential presence of these species and the need to avoid collisions with sea turtles and smalltooth sawfish. All construction personnel are responsible for observing water-related activities for the presence of these species.
2. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing sea turtles or smalltooth sawfish, which are protected under the Endangered Species Act of 1973.
3. Siltation barriers shall be made of material in which a sea turtle or smalltooth sawfish cannot become entangled, be properly secured, and be regularly monitored to avoid protected species entrapment. Barriers may not block sea turtle or smalltooth sawfish entry to or exit from designated critical habitat without prior agreement from the National Marine Fisheries Service's Protected Resources Division, St. Petersburg, Florida.
4. All vessels associated with the construction project shall operate at "no wake/idle" speeds at all times while in the construction area and while in water depths where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will preferentially follow deep-water routes (e.g., marked channels) whenever possible.
5. If a sea turtle or smalltooth sawfish is seen within 100 yards of the active daily construction/dredging operation or vessel movement, all appropriate precautions shall be implemented to ensure its protection. These precautions shall include cessation of operation of any moving equipment closer than 50 feet of a sea turtle or smalltooth sawfish. Operation of any mechanical construction equipment shall cease immediately if a sea turtle or smalltooth sawfish is seen within a 50-ft radius of the equipment. Activities may not resume until the protected species has departed the project area of its own volition.
6. Any collision with and/or injury to a sea turtle or smalltooth sawfish shall be reported immediately to the National Marine Fisheries Service's Protected Resources Division (727-824- 5312) and the local authorized sea turtle stranding/rescue organization.
7. Any special construction conditions, required of your specific project, outside these general conditions, if applicable, will be addressed in the primary consultation.

F. COMPENSATORY MITIGATION CONDITIONS (OFF-SITE)

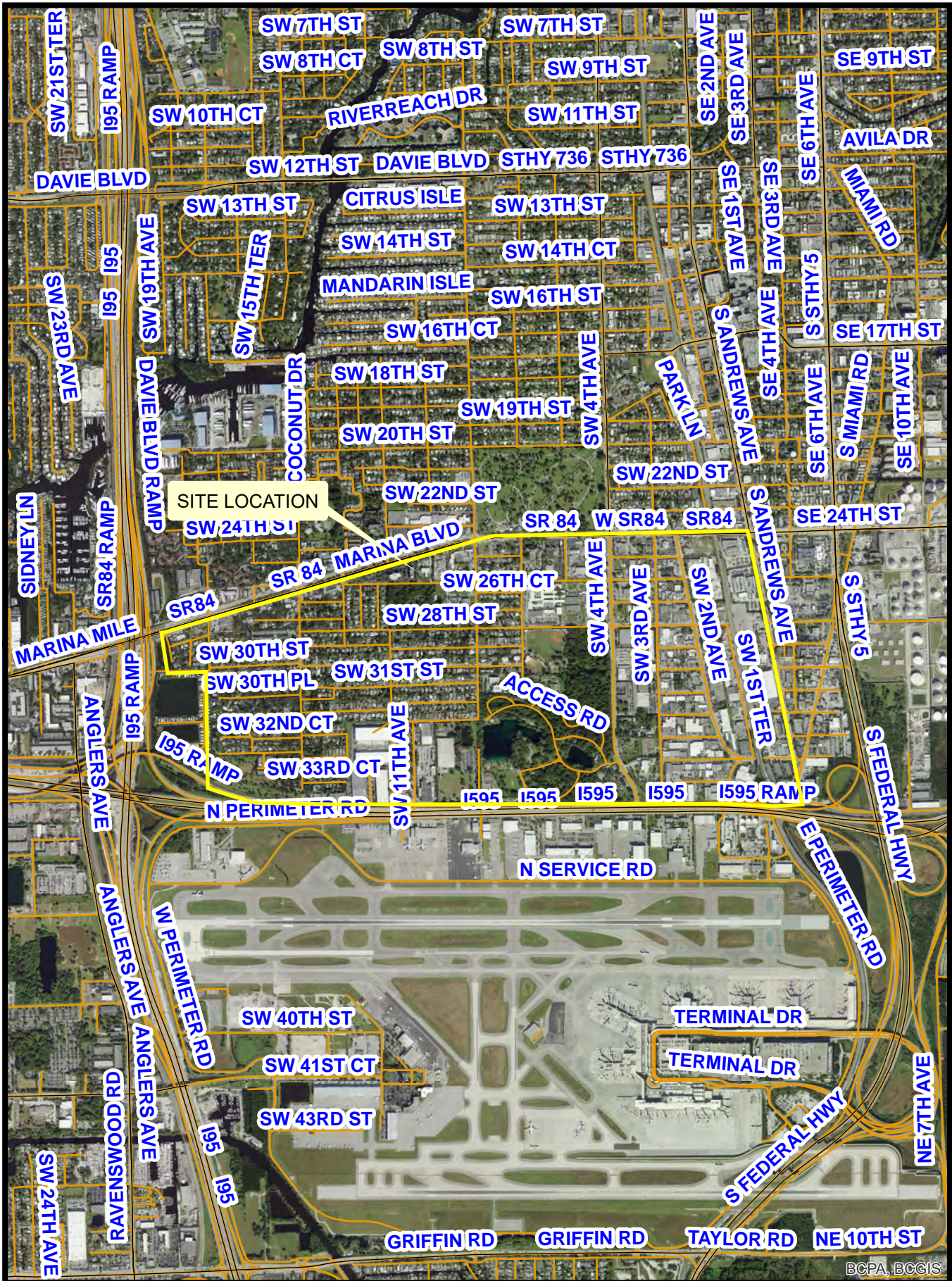
1. Off-site mitigation for the authorized wetland impacts shall be comprised of 0.03 saltwater mitigation credits in the Everglades Mitigation Bank which shall be formalized via a modification of the Florida Department of Environmental Protection (FDEP) Environmental Resource Permit No. 132637449 and/or 13262249 as appropriate. Proof of the modification shall be submitted to this Department within 45 days of license issuance.
2. Pursuant to the "Agreement between (Florida Power & Light Company) and Broward County concerning the "South Dade (Everglades) Mitigation Bank", FP&L agrees to provide monitoring reports consistent with applicable FDEP license conditions to the County and to provide reasonable access to the bank by the Broward County staff for purposes of ensuring compliance with this Environmental Resource License and FDEP Environmental Resource Permit No. 132637449 or Permit File No. 0193232.
3. Prior to impacting wetlands, the licensee shall submit verification from EMB that 0.03 credits have been

debited from the bank's credit ledger as mitigation for impacts associated with this project.

4. Once purchased the mitigation credits for the Everglades Mitigation Bank shall be the perpetual responsibility of Florida Power and Light Company.

G. A COPY OF THIS LICENSE SHALL BE KEPT ON SITE DURING ALL PHASES OF LICENSED CONSTRUCTION.

LOCATION MAP



2,200 1,100 0 2,200 Feet

STAFF REPORT

Project Name: Fort Lauderdale Stormwater Improvements Edgewood Neighborhood

Permit Number: 06-80003-P **License Number:** SWM2018-081-8, DF20-1348

Application Number: 210106-60 **Concurrent Application:** L2021-002

Application Type: Environmental Resource Modification

Location: Broward County **Section-Township-Range:** 21-50-42

Permittee's Name: City of Fort Lauderdale

Project Area: 630 acres **Drainage Area:** 630 acres

Project Land Use: Roadway

Drainage Basin: C-13

Receiving Body: C-13 Canal

Purpose:

The modification of SFWMD Permit # 06-80003-P and Broward County Surface Water Management License No. SWM2018-081-0 for the construction and operation of a surface water management system to serve an existing neighborhood/roadway improvement.

Project Evaluation:**Project Site Description:**

Edgewood is a neighborhood presently developed containing existing buildings and paved areas, and a surface water management system that does not provide enough water quality treatment of storm runoff. The neighborhood is located at the SE intersection of Marina Mile Blvd and Interstate 95 from SW 19th Terrace to SW 2nd Avenue in the City of Fort Lauderdale.

Proposed Project Design:

The proposed construction will include a system of inlets, culverts, 5.84 acres of 6" new/restored swales and 5,243 LF of trench (3.5' W X (3.6'-4.6') H) for additional water quality treatment and storm runoff attenuation prior to discharging into existing and proposed outfalls.

The discharge will be directed through two (2) outfalls consisting of a 24" and 18" diameter RCP headwall into the existing system.

The applicant's consultant has demonstrated through plans that the proposed project meets the permitted requirements of SFWMD Permit # 06-80003-P and/or Broward County License SWM2018-081-0.

Control Elevation = 2.5 ft, NAVD WSWT Control Elevation = 2.5 ft, NAVD
Method of Determination = BC Avg. Wet Season Water Table Map

Water Quality Design:

Water quality treatment is provided within the existing and proposed stormwater master plan.

Environmental Summary:

The permittee is authorized to remove or alter mangroves with a canopy coverage of ~1,500 square feet (0.03 acre) in order to install new headwalls into two waterways, requiring the dredge and fill of ~44 cubic yards of material. Authorized activities are depicted on the attached exhibits.

To offset unavoidable impacts that will occur from these authorized activities, the permittee shall mitigate by purchase 0.03 Saltwater Mitigation credits from the Everglades Mitigation bank.

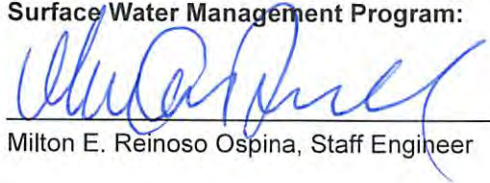
Special Concerns:

Operating Entity: City of Fort Lauderdale
Attention: Rares Petrica, Senior Project Manager
100 N. Andrews Ave
Fort Lauderdale, FL 33301

Waste Water System/Supplier: G.T. Lohmeyer

STAFF RECOMMENDATION:

South Florida Water Management District and Broward County rules have been adhered to and an Individual Permit should be granted.

06-80003-P; SWM2018-081-8; DF20-1348; STAFF REVIEW:**Surface Water Management Program:**
Milton E. Reinoso Ospina, Staff Engineer
Johana Narvaez, M.S., Environmental Program Manager**Aquatic and Wetland Resources Program:**
Michelle Decker, Senior Natural Resource Specialist
Linda Sunderland, Environmental Program Supervisor

SECTION 15995

PIPELINE TESTING AND DISINFECTION

PART 1 - GENERAL

1.01 THE REQUIREMENT

- A. The CONTRACTOR shall perform flushing, disinfection and testing of all pipelines and appurtenant piping, complete, including conveyance of test water from CITY-designated source to point of use and all disposal thereof, all in accordance with the requirements of the Contract Documents.

1.02 REFERENCE SPECIFICATIONS, CODES, AND STANDARDS

A. Commercial Standards

- | | | |
|----|------------------|--------------------------|
| 1. | ANSI / AWWA B300 | Hypochlorites |
| 2. | ANSI / AWWA B301 | Liquid Chlorine |
| 3. | ANSI / AWWA C651 | Disinfecting Water Mains |

1.03 SUBMITTALS

- A. A testing schedule, including proposed plans for water conveyance, control, and disposal shall be submitted in writing for approval a minimum of seven (7) days before testing is to start.
- B. The CONTRACTOR shall submit hydrostatic, disinfection, and lamping test reports in accordance with the Sections entitled "Submittals" and "Contract Closeout."

PART 2 - PRODUCTS

2.01 MATERIALS REQUIREMENTS

- A. All test equipment, temporary valves or bulkheads, temporary vents or drains, or other water control equipment and materials shall be determined and furnished by the CONTRACTOR subject to the CITY'S review.
- B. No materials shall be used which would be injurious to the construction or its future function.

PART 3 - EXECUTION

3.01 GENERAL

- A. Notify the ENGINEER and CITY 48 hours in advance to obtain CITY approval to commence testing and/or disinfection of any particular structure and/or pipeline.
- B. Unless otherwise provided herein, water for flushing and testing pipelines will be furnished by the CITY; however, the CONTRACTOR shall make all necessary provisions for conveying the water from the CITY-designated source to the points of use.
- C. All pressure and gravity pipelines shall be tested. All testing operations shall be performed in the presence of the CITY.

3.02 FLUSHING

- A. At the conclusion of the installation work, the CONTRACTOR shall thoroughly clean all new liquid conveying pipe by flushing with water or other means to remove all dirt, stones, pieces of wood, etc., which may have entered the pipe during the construction period.
- B. If after this cleaning any obstructions remain, they shall be corrected by the CONTRACTOR, at the CONTRACTOR's expense, to the satisfaction of the CITY. Liquid conveying pipelines shall be flushed at the rate of at least 2.5 feet per second for a duration suitable to the CITY or shall be flushed by other methods approved by the CITY.
- C. Equipment and Supplies. The CONTRACTOR shall provide all equipment, and supplies for performing the work, and shall waste the water at locations or by procedures approved by the ENGINEER.

3.03 HYDROSTATIC TESTING OF PIPING

- A. Following pipeline flushing, the CONTRACTOR shall hydrostatically test all pipelines either in sections or as a unit. No section of the pipeline shall be tested until all field-placed concrete or mortar have attained an age of 14 days. The test shall be made by closing valves when available, or by placing temporary bulkheads in the pipe and filling the line slowly with water. The CONTRACTOR shall be responsible for ascertaining that all test bulkheads are suitably restrained to resist the thrust of the test pressure without damage to, or movement of, the adjacent pipe. Care shall be taken to see that all air vents are open during filling.
- B. The pipeline shall be filled at a rate which will not cause any surges or exceed the rate at which the air can be released through the air valves at a reasonable velocity and all the air within the pipeline shall be properly purged. After the pipeline or section thereof has been filled, it shall be allowed to stand under a slight pressure for at least 24 hours to allow the concrete or mortar lining, as applicable, to absorb what water it will and to allow the

escape of air from any air pockets. During this period, bulkheads, valves, and connections shall be examined for leaks. If leaks are found, corrective measures satisfactory to the CITY shall be taken.

- C. The test pressure for the hydrostatic test shall be 150psi unless noted otherwise.
- D. The hydrostatic test shall consist of holding the test pressure on the pipeline for a period of four (4) hours. All visible leaks shall be repaired in a manner acceptable to the CITY.
- E. The maximum allowable leakage shall be determined by the following formula:

$$L = \frac{SD\sqrt{P}}{148,000}$$

Where: D = Pipe diameter in inches

S = Length of lines in linear feet

P = Average test pressure in pounds per square inch gauge

L = Allowable leakage for system in gallons per hour

- F. In the case of pipelines that fail to pass the prescribed leakage test, the CONTRACTOR shall determine the cause of the leakage, shall take corrective measures necessary to repair the leaks, and shall again test the pipelines. The CONTRACTOR shall provide all reaction blocking and necessary plugs and caps required to test all piping installed as part of this Contract.
- G. The CONTRACTOR shall submit to the CITY a detailed description of the testing procedures to be utilized.

3.04 ALIGNMENT TESTING GRAVITY SEWER MAIN LINES

- A. Alignment testing shall be performed on all gravity sewers. All sewers shall be laid accurately to the line and grade shown on the Drawings. The CONTRACTOR shall use laser based surveying instruments to maintain alignment and grade. At least one elevation shot shall be taken on each length of pipe and recorded. No abrupt changes in direction or grade will be allowed. All gravity sewers under 16 inches in diameter will be tested for alignment by shining a light through the pipe at a manhole and viewing the light from an adjacent manhole. Any section of sewer in which a full circle of light cannot be seen from one manhole to the next shall be corrected to the satisfaction of the ENGINEER.
- B. CONTRACTOR shall retain the services of a Professional Surveyor licensed in the State of Florida to verify the alignment for all gravity sewer pipes installed.
- C. Any section of gravity sewer found to have a grade or alignment that varies by more than 10% from the plan grade or elevation shall be considered deficient. Any section of sewer determined to be deficient shall be corrected to the satisfaction of the ENGINEER.

3.05 DISINFECTION

- A. Disinfection of potable water lines shall be performed in accordance with AWWA Standard C-651, State of Florida and local applicable regulations. The CONTRACTOR shall provide a Disinfection Plan to the ENGINEER for approval. The CONTRACTOR shall be responsible for furnishing fittings and all special pipe taps required by the pipe disinfection work.
- B. Provide list of equipment required and a disinfection plan to execute the Work of this Section.
- C. Inject the required amount of disinfectant to yield a minimum chlorine content of 50 parts per million into piping system.
- D. Allow solution to remain in the pipes for twenty-four hours or longer, if required, to destroy all harmful bacteria.
- E. Operate all valves and other appurtenances during disinfection to assure the sterilizing mixture is dispersed into all parts of the system.
- F. After the solution has been retained for the required time, pipes shall be flushed and filled with municipal domestic water. Sterilizing water shall be disposed of in an approved manner. Sterilizing water shall not be allowed to flow into a waterway without reducing chlorine concentrations to a safe level. The CONTRACTOR shall be responsible for meeting all applicable requirements and acquiring all necessary permits for this work.
- G. Take one bacteriological sample and test from every segment of pipeline tested. Samples shall be taken and tested on each of two successive days. CONTRACTOR shall submit sample to a laboratory, approved by ENGINEER, for testing. The disinfection process shall be repeated if laboratory test results reflects presence of harmful bacteria in the water.

3.06 TESTS

- A. Provide analysis of treated water to meet standards and received acceptance from the Florida Department of Environmental Protection.
- B. Test samples in accordance with AWWA C651.
- C. Quality Assurance: Testing Laboratory: Certified for examination of drinking water in compliance with applicable legislation of the State of Florida.
- D. Regulatory Requirements: Conform to Chapter 62-555 of the Florida Administrative Code.
- E. Submittals

1. Submit name of testing laboratory and evidence of qualification.
2. Submit three copies of reports.

F. Project Record Documents

1. Submit reports under provisions of the Sections entitled "Submittals" and "Contract Closeout."
2. Bacteriological report; accurately record:
 - a. Date issued, project name, and testing laboratory name, address, and telephone number.
 - b. Time and date of water sample collection.
 - c. Name of person collection sample.
 - d. Test locations.
 - e. Initial and twenty-four- hour disinfectant residuals in ppm for each outlet tested.
 - f. Coliform bacteria test results for each outlet tested.
 - g. Certification that water conforms, or fails to conform to bacterial standards of State of Florida.
 - h. Bacteriologist's signature.

3.07 CONNECTIONS TO EXISTING SYSTEM

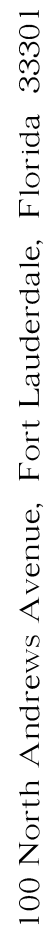
- A. Where connections are to be made to an existing potable water system:
1. Expose and secure pipe(s) from trench soil/water contamination.
 2. Maintain a dewatered trench.
 3. Depressurize pipe(s).
 4. Prevent contaminants from entering the existing pipe.
 5. Keep all pipe materials and tools being used in a clean and sanitary condition.
 6. Disinfect by spraying or swabbing with a minimum 1 percent chlorine solution:

- a. Exposed portions of existing pipe interior surfaces.
 - b. Pipe materials used in the installation.
 - c. Handheld materials and tools used to perform the work.
7. Flush to scour the pipe and obtain three volumes of water turn- over, making sure that the flushed water is visually clear.
 8. Return the water main to service.
 9. Water main offsets shall be placed into service and visually inspected for leaks prior to backfill.
 10. Advise as appropriate affected customers to adequately flush their service lines upon return to service.
- B. Where the existing and or proposed potable water main(s) cannot be protected and kept free of contamination or there are obvious signs of contamination in which the pipe(s) and or water have become contaminated, the procedures outlined above shall be evaluated and other appropriate disinfection and sampling methods shall be followed. These modifications shall be made on a case-by-case basis and shall follow the procedures outlined in ANSI/AWWA C651.
- C. Prior to actual connections to the existing potable water system, record drawings, hydrostatic pressure test results, and bacteriological test results (if applicable) shall be submitted to the ENGINEER and CITY. Upon approval from the ENGINEER AND CITY, the connection can be placed into service.

- END OF SECTION -

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

TEL: 954-987-0066
FAX: 954-987-2949

XXXX

REVISIONS

ADDENDUM NO. 1

G-02

GENERAL

1

Sheet Number


Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

ENGINEER:
ROBERT B. TAYLOR JR.
REG. NO. 44165
DATE: 02/28/2023
TEL: 954-987-0068
FAX: 954-987-2849

DRAWN BY:	AA	DATE:	JULY 2021
DESIGNED BY:	TAV	SCALE:	1"=300'
CHECKED BY:	RET		
FIELD BOOK:	XXXX		

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS				DESCRIPTION
NO.	DATE	BY	CHK'D	
1	7/13/21	RET	DAB	ADDENDUM NO. 1

PROJECT # 11842
STORMWATER IMPROVEMENTS
EDGEWOOD NEIGHBORHOOD
SOIL BORING LOCATIONS

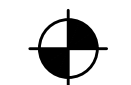
SHEET NO.
G-14

TOTAL: 224
CAD FILE: 11842-G014
DRAWING FILE NO. 4-142-65

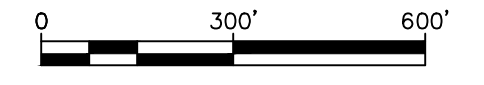


PLAN
1"=350'-0"

LEGEND



15' SPT BORING NUMBERING AND APPROXIMATE LOCATION



ADDENDUM NO. 1

TREE DESCRIPTION	
No.	DESCRIPTION
1	ROYAL PALM
2	ARECA BAMBOO PALM
3	WASHINGTON PALM
4	CABBAGE PALM
5	CABBAGE PALM
6	PYGMI PALM
7	UMBRELLA
8	ROYAL PALM
9	ROYAL PALM
10	MANILA PALM
11	CABBAGE
12	MANILA PALM
13	CABBAGE
14	MANILA PALM
15	ARECA BAMBOO PALM
16	UNKNOWN TREE
17	UNKNOWN TREE
18	UNKNOWN TREE
19	UNKNOWN TREE
20	MOHAGANY
21	PINE TREE
22	CABBAGE
23	PALM
24	SABAL PALM
25	ARECA BAMBOO PALM
26	CANARY PALM
27	CANARY PALM
28	PYGMI PALM
29	OAK TREE
30	GUMBO LIMBO
31	CABBAGE
32	CABBAGE
33	CABBAGE
34	CABBAGE
35	CABBAGE
36	UROYAL PONCIANA TREE
37	CABBAGE
38	CABBAGE
39	COCONUT PALM
40	CHRISTMAS PALM
41	ORCHIDIA TREE
42	ORCHIDIA TREE
43	ORCHIDIA TREE
44	MYRTLE TREE
45	BOTTLE PALM
46	UNKNOWN TREE
47	CABBAGE
48	MANILA PALM
49	UMANGO TREE
50	EUROPEAN PALM
51	ARECA PALM
52	ARECA PALM
53	ARECA PALM
54	ALEXANDER PALM
55	MANILA PALM
56	UMAHOGANY TREE
57	CABBAGE
58	ORCHIDIA TREE
59	SOLITARIA PALM
60	UNKNOWN TREE
61	ORCHIDIA TREE
62	ORCHIDIA TREE
63	ORCHIDIA TREE
64	BOTTONWOOD TREE
65	CABBAGE
66	OAK TREE
67	OAK TREE
68	SEAGRAPE
69	ARECA PALM
70	ARECA BAMBOO PALM
71	CABBAGE
72	CHRISTMAS PALM

TREE DESCRIPTION	
No.	DESCRIPTION
73	MANILA PALM
74	ROYAL PALM
75	CHRISTMAS PALM
76	ROYAL PONCIANA TREE
77	CHRISTMAS PALM
78	CHRISTMAS PALM
79	PINE TREE
80	ROYAL PONCIANA TREE
81	CHRISTMAS PALM
82	CHRISTMAS PALM
83	CHRISTMAS PALM
84	CHRISTMAS PALM
85	CHRISTMAS PALM
86	CHRISTMAS PALM
87	COCONUT PALM
88	ARECA PALM
89	MEXICAN PALM
90	OAK TREE
91	CABBAGE
92	OAK TREE
93	PINDO PALM
94	MONDERA TREE
95	EUROPEAN PALM
96	LOQUAT TREE
97	ROYAL PONCIANA TREE
98	GUMBO LIMBO
99	MOHAGANY
100	MOHAGANY
101	WASHINGTON PALM
102	WASHINGTON PALM
103	UNKNOWN TREE
104	WASHINGTON PALM
105	UNKNOWN TREE
106	WASHINGTON PALM
107	WASHINGTON PALM
108	WASHINGTON PALM
109	OAK TREE
110	OAK TREE
111	OAK TREE
112	OAK TREE
113	OAK TREE
114	TRUMPET
115	OAK TREE
116	OAK TREE
117	WASHINGTON PALM
118	OAK TREE
119	OAK TREE
120	FICUS TREE
121	WASHINGTON PALM
122	OAK TREE
123	WASHINGTON PALM
124	UNKNOWN TREE
125	CHRISTMAS PALM
126	MANILA PALM
127	CHRISTMAS PALM
128	UNKNOWN TREE
129	WASHINGTON PALM
130	FISHTAIL TREE
131	GUMBO LIMBO
132	WASHINGTON PALM
133	MANILA PALM
134	CABBAGE
135	OAK TREE
136	CABBAGE
137	CABBAGE
138	MANILA PALM
139	OAK TREE
140	TRUMPET TREE
141	OAK TREE
142	OAK TREE
143	MANILA PALM
144	OAK TREE

TREE DESCRIPTION	
No.	DESCRIPTION
145	COCONUT PALM
146	COCONUT PALM
147	OAK TREE
148	COCONUT PALM
149	MANILA PALM
150	OAK TREE
151	MANILA PALM
152	ROYAL PONCIANA TREE
153	COCONUT PALM
154	OAK TREE
155	OAK TREE
156	OAK TREE
157	COCONUT PALM
158	OAK TREE
159	COCONUT PALM
160	OAK TREE
161	OAK TREE
162	TRUMPET TREE
163	TRUMPET TREE
164	WASHINGTON PALM
165	OAK TREE
166	OAK TREE
167	MANILA PALM
168	CHRISTMAS PALM
169	OAK TREE
170	ROYAL PONCIANA TREE
171	ROYAL PALM
172	OAK TREE
173	OAK TREE
174	OAK TREE
175	OAK TREE
176	OAK TREE
177	OAK TREE
178	OAK TREE
179	OAK TREE
180	OAK TREE
181	OAK TREE
182	OAK TREE
183	OAK TREE
184	OAK TREE
185	OAK TREE
186	OAK TREE
187	GUMBO LIMBO
188	OAK TREE
189	OAK TREE
190	OAK TREE
191	OAK TREE
192	OAK TREE
193	OAK TREE
194	OAK TREE
195	OAK TREE
196	OAK TREE
197	OAK TREE
198	CHRISTMAS PALM
199	OAK TREE
200	OAK TREE
201	CABBAGE
202	OAK TREE
203	OAK TREE
204	OAK TREE
205	OAK TREE
206	OAK TREE
207	ROYAL PONCIANA TREE
208	OAK TREE
209	OAK TREE
210	OAK TREE
211	CABBAGE
212	CABBAGE
213	OAK TREE
214	OAK TREE
215	OAK TREE
216	OAK TREE

TREE DESCRIPTION	
No.	DESCRIPTION
217	OAK TREE
218	OAK TREE
219	OAK TREE
220	ORCHIDIA
221	OAK TREE
222	OAK TREE
223	OAK TREE
224	CABBAGE
225	PYGMI PALM
226	OAK TREE
227	OAK TREE
228	MANILA PALM
229	OAK TREE
230	UNKNOWN TREE
231	WASHINGTON PALM
232	OAK TREE
233	OAK TREE
234	WASHINGTON PALM
235	OAK TREE
236	FICUS TREE
237	OAK TREE
238	CHRISTMAS PALM
239	OAK TREE
240	FICUS TREE
241	WASHINGTON PALM
242	FICUS TREE
243	CABBAGE
244	WASHINGTON PALM
245	FISHTAIL
246	WASHINGTON PALM
247	FISHTAIL TREE
248	YUCCA TREE
249	TRAVELERS PALM
250	MANILA PALM
251	GUMBO LIMBO
252	SILK OAK TREE
253	WASHINGTON PALM
254	WASHINGTON PALM
255	ROYAL PONCIANA TREE
256	WASHINGTON PALM
257	UMBRELLA TREE
258	ARECA BAMBOO PALM
259	WASHINGTON PALM
260	OAK TREE
261	TRAVELERS PALM
262	CHRISTMAS PALM
263	TRAVELERS PALM
264	CHRISTMAS PALM
265	ALEXANDER PALM
266	WASHINGTON PALM
267	OAK TREE
268	ALEXANDER PALM
269	OAK TREE
270	ROYAL PALM
271	WASHINGTON PALM
272	TRAVELERS PALM
273	ARECA BAMBOO PALM
274	TRAVELERS PALM
275	PYGMI PALM
276	OAK TREE
277	OAK TREE
278	FOXTAIL PALM
279	WASHINGTON PALM
280	PYGMI PALM
281	FICUS TREE
282	ARECA BAMBOO PALM
283	CABBAGE
284	PYGMI PALM
285	TRAVELERS PALM
286	MANILA PALM
287	CABBAGE PALM
288	QUEEN PALM

TREE DESCRIPTION	
No.	DESCRIPTION
289	PYGMI PALM
290	OAK TREE
291	WASHINGTON PALM
292	WASHINGTON PALM
293	TRAVELERS PALM
294	WASHINGTON PALM
295	MANILA PALM
296	WASHINGTON PALM
297	CABBAGE
298	TRUMPET
299	OAK TREE
300	ROYAL PALM
301	WASHINGTON PALM
302	COCONUT PALM
303	CABBAGE
304	FICUS TREE
305	FICUS TREE
306	FICUS TREE
307	FICUS TREE
308	FICUS TREE
309	ALEXANDER PALM
310	FICUS TREE
311	PALM
312	FICUS TREE
313	COCONUT PALM
314	FICUS TREE
315	FICUS TREE
316	FICUS TREE
317	OAK TREE
318	SOLITARIA PALM
319	MANGO TREE
320	FICUS TREE
321	FICUS TREE
322	SOLITARIA PALM
323	BAMBOO PALM
324	OAK TREE
325	CABBAGE
326	CABBAGE
327	CABBAGE
328	CABBAGE
329	FICUS TREE
330	BAMBOO PALM
331	BAMBOO PALM
332	COCONUT PALM
333	SOLITARIA PALM
334	MANILA PALM
335	WASHINGTON PALM
336	SOLITARIA PALM
337	MANILA PALM
338	MANGO TREE
339	CABBAGE
340	CABBAGE
341	SOLITARIA PALM
342	COCONUT PALM
343	BAMBOO PALM
344	ALEXANDER PALM
345	FISHTAIL
346	CHRISTMES PALM
347	COCONUT PALM
348	ALEXANDER PALM
349	ALEXANDER PALM
350	ALEXANDER PALM
351	ALEXANDER PALM
352	ALEXANDER PALM
353	GUMBO LIMBO
354	ARECA PALM
355	TRUMPET TREE
356	ALEXANDER PALM
357	ALEXANDER PALM
358	EUROPEAN PALM
359	ALEXANDER PALM
360	ALEXANDER PALM

TREE DESCRIPTION	
No.	DESCRIPTION
361	QUEEN PALM
362	ARECA BAMBOO PALM
363	PALM
364	ARECA BAMBOO PALM
365	TRAVELLERS
366	BOTTLE PALM
367	BOTTLE PALM
368	COCONUT PALM
369	CHRISTMAS PALM
370	CHRISTMAS PALM
371	COCONUT PALM
372	COCONUT PALM
373	COCONUT PALM
374	ROYAL PALM
375	ROYAL PALM
376	ROYAL PALM
377	ROYAL PALM
378	COCONUT PALM
379	ROYAL PALM
380	COCONUT PALM
381	COCONUT PALM
382	PALM
383	EUROPEAN PALM
384	ALEXANDER PALM
385	ALEXANDER PALM
386	ALEXANDER PALM
387	EUROPEAN PALM
388	PALM
389	PALM
390	MANILA PALM
391	SOLITARIA PALM
392	PALM
393	TRUMPET
394	MANILA PALM
395	RECLINATE PALM
396	MANILA PALM
397	MANILA PALM
398	PALM
399	SEAGRAPE TREE
400	PINE TREE
401	EUROPEAN PALM
402	EUROPEAN PALM
403	TRAVELERS PALM
404	UNKNOWN TREE
405	GUMBO LIMBO
406	PALM
407	PALM
408	PONTYTAIL PALM
409	BLACK OLIVE TREE
410	CHINESE PALM
411	WASHINGTON PALM
412	OAK
413	BRIZLIUAN PEPPER
414	OAK
415	COCONUT PALM
416	COCONUT PALM
417	ALEXANDER PALM
418	GUAVA
419	EUROPEAN PALM
420	BREAD FRUIT
421	ARECA BAMBOO PALM
422	ORANGE
423	OAK
424	WOMAN STONES TREE
425	WOMAN STONES TREE
426	OAK TREE
428	CHRISTMAS PALM
429	OAK TREE
430	CABBAGE
431	CABBAGE
432	OAK
433	TRUMPET

TREE DESCRIPTION	
No.	DESCRIPTION
434	COCONUT PALM
435	COCONUT PALM
436	FICUS
437	PALM
438	SABAL PALM
439	FICUS TREE
440	FICUS TREE
441	ALEXANDER PALM
442	GUMBO LIMBO
443	TRUMPET
444	FICUS TREE
445	MYRTLE
446	FICUS TREE
447	SEAGRAPE TREE
448	UNKNOWN TREE
449	UNKNOWN TREE
450	UNKNOWN TREE
451	UNKNOWN TREE
452	CHRISTMAS PALM
453	OAK TREE
454	CHINESE PALM
455	TRUMPET TREE
456	CHINESE PALM
457	ARECA PALM
458	MANILA PALM
459	OAK TREE
460	ARECA BAMBOO PALM
461	ARECA BAMBOO PALM
462	PYGMI PALM
463	OAK TREE
464	CABBAGE
465	CABBAGE
466	TRUMPER TREE
467	OAK TREE
468	BANANA TREE
469	OAK
470	CHINESE PALM
471	OAK
472	SOLITARIA PALM
473	PALM
474	GUMBO LIMBO
475	FOXTAIL PALM
476	ALEXANDER PALM
477	CHINESE PALM
478	CABBAGE
479	FOXTAIL PALM
480	TRUMPET
481	BAMBOO PALM
482	TRUMPET TREE
483	OAK TREE
484	TRUMPET TREE
485	BAMBOO PALM
486	TRUMPET TREE
487	FICUS TREE
488	TRUMPET
489	BUTTON WOOD
490	MAHOGANY TREE
491	PALM
492	SCHRUB TREE
493	MAHOGANY TREE
494	PALM
495	MANILA PALM
496	SCHRUB TREE
497	MANILA PALM
498	MANILA PALM
499	PALM
500	TRUMPET
501	ROYAL PONCIANA
502	MAHOGANY TREE
503	OAK
504	MAHOGANY TREE
505	MANGO

TREE DESCRIPTION	
No.	DESCRIPTION
506	OAK
507	MAHOGANY TREE
508	MAHOGANY TREE
509	PALM
510	MIMOSA TREE
511	CHINESE PALM
512	MIMOSA TREE
513	MYRTLE
514	CABBAGE
515	MYRTLE
516	MANILA PALM
517	MANILA PALM
518	MYRTLE
519	MAHOGANY TREE
520	OAK TREE
521	PALM
522	MANILA PALM
523	CHINESE PALM
524	OAK TREE
525	MANILA PALM
526	FICUS TREE
527	MANILA PALM
528	OAK TREE
529	PALM
530	PINDO PALM
531	OAK TREE
532	COCONUT PALM
533	PALM
534	PALM
535	OAK TREE
536	OAK TREE
537	MYRTLE
538	DEAD TREE
539	ROYAL PONCIANA
540	CHRISTMAS PALM
541	CABAGE PALM
542	CABAGE PALM
543	PALM
544	PALM
545	UNKNOWN TREE
546	MAHAGANY TREE
547	QUEEN PALM
548	PYGMI PALM
549	UNKNOWN TREE
550	CHRISTMAS PALM
551	COCONUT PALM
552	BAMBOO PALM
553	PALM
554	PALM
555	COCONUT PALM
556	PALM
557	SEAGRAPE TREE
558	COCONUT PALM
559	PALM
560	PALM
561	PALM
562	PALM
563	PALM
564	UNKNOWN TREE
565	UNKNOWN TREE
566	UNKNOWN TREE
567	UNKNOWN TREE
568	CABBAGE
569	TRUMPET
570	UNKNOWN TREE
571	BOTTLE PALM
572	BOTTLE PALM
573	BOTTLE PALM
574	BOTTLE PALM
575	TRUMPET
576	PALM
577	UNKNOWN TREE

TREE DESCRIPTION	
No.	DESCRIPTION
tr1	SHADE TREE
tr2	PALM TREE
tr3	PALM TREE
tr4	PALM TREE
tr7	PALM TREE
tr8	PALM TREE
tr9	PALM TREE
tr10	PALM TREE
tr11	PALM TREE
tr12	PALM TREE
tr13	PALM TREE
tr14	PALM TREE
tr15	PALM TREE
tr16	PALM TREE
tr17	PALM TREE
tr18	PALM TREE
tr19	PALM TREE
tr20	PALM TREE
tr21	PALM TREE
tr22	SHADE TREE
tr23	PALM TREE
tr24	PALM TREE
tr25	SHADE TREE
tr26	PALM TREE
tr27	PALM TREE
tr28	PALM TREE
tr29	PALM TREE
tr30	PALM TREE
tr31	PALM TREE
tr32	PALM TREE
tr33	PALM TREE
tr34	SHADE TREE
tr35	SHADE TREE
tr36	SHADE TREE
tr37	SHADE TREE
tr38	PALM TREE
tr39	SHADE TREE
tr40	SHADE TREE
tr41	SHADE TREE
tr42	SHADE TREE
tr43	PALM TREE
tr44	SHADE TREE
tr45	PALM TREE
tr46	SHADE TREE
tr47	PALM TREE
tr48	PALM TREE
tr49	PALM TREE
tr50	PALM TREE
tr51	PALM TREE
tr52	PALM TREE
tr53	PALM TREE
tr54	PALM TREE
tr55	PALM TREE
tr56	PALM TREE
tr57	PALM TREE
tr58	PALM TREE
tr60	PALM TREE
tr61	PALM TREE
tr62	PALM TREE
tr63	SHADE TREE
tr64	SHADE TREE
tr65	SHADE TREE
tr66	SHADE TREE
tr67	SHADE TREE
tr68	PALM TREE
tr69	PALM TREE
tr70	PALM TREE
tr71	PALM TREE
tr72	PALM TREE
tr73	PALM TREE
tr74	SHADE TREE
tr75	SHADE TREE


TREE DESCRIPTION	
No.	DESCRIPTION
tr76	SHADE TREE
tr77	SHADE TREE
tr78	SHADE TREE
tr79	SHADE TREE
tr80	SHADE TREE
tr81	SHADE TREE
tr82	PALM TREE
tr83	PALM TREE
tr84	PALM TREE
tr85	PALM TREE
tr86	PALM TREE
tr87	PALM TREE
tr88	PALM TREE
tr89	PALM TREE
tr90	SHADE TREE
tr91	SHADE TREE
tr92	PALM TREE
tr93	PALM TREE
tr94	PALM TREE
tr95	PALM TREE
tr96	PALM TREE
tr97	PALM TREE
tr98	PALM TREE
tr99	PALM TREE
tr100	PALM TREE
tr101	PALM TREE
tr102	PALM TREE
tr103	PALM TREE
tr104	PALM TREE
tr105	PALM TREE
tr106	PALM TREE
tr107	PALM TREE
tr108	PALM TREE
tr109	PALM TREE
tr110	PALM TREE
tr111	SHADE TREE
tr112	SHADE TREE
tr113	SHADE TREE
tr114	SHADE TREE
tr115	PALM TREE
tr116	PALM TREE
tr117	PALM TREE
tr118	SHADE TREE
tr500	PALM TREE
tr501	SHADE TREE
tr502	PALM TREE
tr503	SHADE TREE
tr504	SHADE TREE
tr505	PALM TREE
tr506	SHADE TREE
tr507	SHADE TREE
tr508	PALM TREE
tr509	PALM TREE
tr510	PALM TREE
tr511	PALM TREE
tr512	PALM TREE
tr513	PALM TREE
tr514	PALM TREE
tr515	PALM TREE

Hazen
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

ENGINEER:
ROBERT B. TAYLOR JR
REG. No: 44165
DATE: 09/29/2023

TEL: 954-987-0066
FAX: 954-987-2949

DRAWN BY: CEW	DATE: JULY 2021	DESIGNED BY: SCALE: LZM N/A	
		CHECKED BY: LMS	
		FIELD BOOK:	N/A



CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS				DESCRIPTION	
NO.	DATE	BY	CHK'D	RBT	DAB
1	7/13/21				

PROJECT # 11842
STORMWATER IMPROVEMENTS
EDGEWOOD NEIGHBORHOOD
EDGEWOOD EAST - TREE TABLE
SHEET

SHEET NO. 1C-48	
TOTAL:	224
CAD FILE:	11842-1C48
DRAWING FILE NO.	4-142-65

ADDENDUM NO. 1

Question and Answers for Bid #12545-613 - Edgewood Neighborhood Stormwater Improvements (P11842)

Overall Bid Questions

Question 1

Do you have an estimate cost? (Submitted: Jun 4, 2021 1:37:11 PM EDT)

Answer

- The Engineer's estimate ranges between \$20.4 million and \$26 million. (Answered: Jun 8, 2021 11:14:14 AM EDT)

Question 2

Is pre-bid mandatory? (Submitted: Jun 14, 2021 9:16:54 AM EDT)

Answer

- No. (Answered: Jun 14, 2021 11:19:27 AM EDT)

Question 3

What is the procedure for performing test excavation on site to satisfy ourselves with investigation, and other means as we may think necessary or desirable, as to the conditions affecting the proposed work and the cost. (see instruction to bidders 4th Paragraph) (Submitted: Jun 14, 2021 9:17:37 AM EDT)

Answer

- Sheet G-14 WILL BE re-issued as part of a future addendum to include an additional nine (9) borings in the vicinity of the project area.

These borings WILL BE included as E-14, E-15, B-19/EX-17, B-20/EX-15, B-21, B-24/EX-18, B-22/EX-19, B-23/EX-16 and B-25/EX-20 in the Geotechnical Reports.

Any additional test excavations required are at the discretion of the City. (Answered: Jun 17, 2021 10:46:20 AM EDT)

Question 4

What is the anticipated AWARD date? (Submitted: Jun 14, 2021 9:17:59 AM EDT)

Answer

- The City is anticipating an award date of early Fall of 2021. (Answered: Jun 16, 2021 10:44:37 AM EDT)

Question 5

What is the anticipated START date? (Submitted: Jun 14, 2021 9:18:23 AM EDT)

Answer

- The City is anticipating a start date of late Fall of 2021. (Answered: Jun 16, 2021 10:44:37 AM EDT)

Question 6

Page IB-5 LOCAL BUSINESS PREFERENCE " Is being a Broward County Contractor considered Local Business?
(Submitted: Jun 14, 2021 9:18:51 AM EDT)

Answer

- Please refer to the Local Business Preference definitions in the Instructions to Bidders. (Answered: Jun 14, 2021 11:19:27 AM EDT)

Question 7

GC " 09 PERMITS " Please provide a list of required PERMITS and fees as well as copy of actual permits or assumed permits. (Submitted: Jun 14, 2021 9:19:13 AM EDT)

Answer

- Permit fees shall be paid for by the Contractor based on actual cost of permits for which reimbursement by the City will be made to Contractor under the Allowance Item - Permits, Licenses, and Fees. Contractor will be required to submit paid permit receipts as a condition of approval for reimbursement. Permits, Licenses and Approvals obtained, pending or anticipated for the project include, but are not limited to, FDEP MS4/NPDES Permit, Broward County Surface Water Management License, Broward County Environmental Resource Permit, Broward County Environmental Resource License, Broward County Development and Environmental Review Approval, and Florida Department of Environmental Protection approval of Engineer's Report for Conflict Structures. It is the responsibility of the Contractor to identify and procure all other necessary licenses, permits and approvals required for execution of the work. (Answered: Jun 17, 2021 10:30:01 AM EDT)

Question 8

GC " 30 TRAFFIC CONTROL- Which locations / street fall under Broward County or DOT jurisdiction?
(Submitted: Jun 14, 2021 9:19:39 AM EDT)

Answer

- State Road 84 is the only road that falls under Florida DOT jurisdiction. All other areas fall under the City of Fort Lauderdale's jurisdiction. (Answered: Jun 16, 2021 10:44:37 AM EDT)

Question 9

GC " 32 WATER " What is the fee for FH Meter and water? (Submitted: Jun 14, 2021 9:20:24 AM EDT)

Answer

- The City of Fort Lauderdale rates for Fiscal Year 2021 for a hydrant meter would be a monthly usage charge of \$5.79 per 1000 gallons and requires a deposit of \$2,484.07. The billing statement would also include a utility tax and admin fee. Please contact Utility Billing at 954-828-5150 for additional information. (Answered: Jun 16, 2021 10:44:37 AM EDT)

Question 10

GC- 35 FLORIDA LUMBER " Please specifically identify which products fall within these categories? We assume non. (Submitted: Jun 14, 2021 9:20:43 AM EDT)

Answer

- This does not apply to any of the products in the bid schedule. (Answered: Jun 17, 2021 10:30:01 AM EDT)

Question 11

section 1.20 Holidays -What are the City's observed holidays? (Submitted: Jun 14, 2021 9:21:42 AM EDT)

Answer

- The City currently observes the following holidays: New Year's Day, Martin Luther King's Birthday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Day Following Thanksgiving, Christmas Day.

(Answered: Jun 16, 2021 10:44:37 AM EDT)

Question 12

Page 7 01010 "A states: "The Contractor may elect to work beyond these hours or on holidays or weekends provided that all costs incurred by the City for additional engineering shall be borne by the Contractor and approval has been obtained from the City." Will working from 7am thru 6pm be permitted on weekdays?

(Submitted: Jun 14, 2021 9:22:23 AM EDT)

Answer

- The City will maintain the regular working hours from 8am to 5pm. Work beyond these hours will be circumstantial and addressed as needed. (Answered: Jun 16, 2021 10:44:37 AM EDT)

Question 13

section 1.14 ULTIMATE DISPOSITION OF CLAIMS "A " Contractors may be engaged in performing other work or may be awarded other Contracts for additional work on this project. In that event, the Contractor shall coordinate the work to be done hereunder with the work of such other Contractors. What other work by other contractors will be occurring during this project, and how long will it last, and where will it occur, so that we can include the cost for precise coordination? As well as the potential lack of another contractor not coordinating work as stated in paragraph C. (Submitted: Jun 14, 2021 9:23:38 AM EDT)

Answer

- Tie-ins and connections to stormwater infrastructure to be constructed as part of the River Oaks Bid Package (City Project No. 11868) are shown in the Contract Documents. At this time, there are no other known projects scheduled for construction within the project limits. However, it is anticipated that the City's Contractor will coordinate with any other contractor working within the project limits should work arise within the project limits, either scheduled or emergency. (Answered: Jun 17, 2021 10:30:01 AM EDT)

Question 14

Page 9 " 119 C States " Contractor shall cooperate with the City to accelerate completion of those facilities. Which facilities are to be accelerated? (Submitted: Jun 14, 2021 9:25:04 AM EDT)

Answer

- Any facilities identified for early use by the City will be consistent with the project schedule submitted by the Contractor and approved by the Engineer. (Answered: Jun 17, 2021 10:30:01 AM EDT)

Question 15

Page 10 - 1.20 UTILITY LOCATIONS " States: "All cost of permanent utility relocations to avoid conflict shall be the responsibility of the Contractor and the utility company involved. " Please provide how many utilities will fall under this category so that the required costs can be included in the bid, otherwise a change order will be necessary. (Submitted: Jun 14, 2021 9:25:42 AM EDT)

Answer

- Verification and protection of existing utilities are included in the line items for all underground work. The extent of permanent relocation of utilities is subject to the Contractor's means and methods. (Answered: Jun 17, 2021)

10:30:01 AM EDT)

Question 16

Page 10 Paragraph F- Is it really the intent for the City to delay work for 3 days due to utilities which are not marked in the field by locating services or Utility Department to require 24hr (1 day) and the take up to within two (2) business days after receipt to resolve the problem while work stops? (Submitted: Jun 14, 2021 9:26:12 AM EDT)

Answer

- The Contractor is required to notify the City and Engineer within 24 hours of discovery. The Contractor is free to reduce this time to suit its schedule. The City and Engineer have a maximum of two (2) business days to respond. (Answered: Jun 17, 2021 10:30:01 AM EDT)

Question 17

Can you provide limits of the existing lines & structures to be desilted. (Submitted: Jun 17, 2021 3:28:04 PM EDT)

Answer

- No. Desilting existing lines and structures shall be performed on an as needed basis as determined in the field by the Engineer and City. Payment shall be made in accordance with the descriptions provided in Section 01025 "Measurement and Payment. (Answered: Jun 18, 2021 4:32:30 PM EDT)

Question 18

Can you provide as-builts of the existing sewer? (Submitted: Jun 17, 2021 3:28:54 PM EDT)

Answer

- Please provide location of existing sewer where as-builts are requested. (Answered: Jun 18, 2021 4:32:30 PM EDT)

Question 19

In regards to the bid item tabulation sheet, what criteria was used to determine the depth of the proposed drainage structures? E.G Rim elevation vs deepest invert? Rim elevation vs bottom of inside slab? (Submitted: Jun 17, 2021 3:32:31 PM EDT)

Answer

- Rim elevation to bottom of inside slab. (Answered: Jun 18, 2021 4:32:30 PM EDT)

Question 20

Can you provide the limits of the existing lines that are to be grouted? (Submitted: Jun 17, 2021 3:54:16 PM EDT)

Answer

- No. Unless specifically called for in the plans and or details, grouting of existing lines shall be performed on an as needed basis as determined in the field by the Engineer and City. Payment shall be made in accordance with the descriptions provided in Section 01025 "Measurement and Payment. (Answered: Jun 18, 2021 4:32:30 PM EDT)

Question 21

Item 93 is for Clean existing pipe greater than 20", please provide the max existing pipe size (Submitted: Jun 17, 2021 4:59:19 PM EDT)

Answer

- It is anticipated that the maximum pipe size for cleaning will not exceed 36". (Answered: Jun 18, 2021 4:32:30 PM EDT)

Question 22

Please provide as-builts for the sanitary sewer in all areas where proposed pipe is to be constructed. (Submitted: Jun 21, 2021 8:04:57 AM EDT)

Answer

- The existing sanitary system has been surveyed and the rim elevations, inverts, etc. are displayed within the plan set. Sewer as-builts for particular areas can be obtained by contacting plan@fortlauderdale.gov. (Answered: Jun 22, 2021 2:02:15 PM EDT)

Question 23

Please provide landscape plan for proposed trees. (Submitted: Jun 21, 2021 8:59:05 AM EDT)

Answer

- Please refer to Specification Section 02481, Paragraph 1.02B. The Contractor shall utilize the services of a Licensed Landscape Architect or Certified Arborist for preparation of tree disposition plans, tree removal permits, tree relocation permits, and all supporting documentation. Payment shall be as described in Bid Item 142 of Section 01025. (Answered: Jun 22, 2021 2:02:15 PM EDT)

Question 24

This is a Follow-up question to Number 14, Response to (Page 9 "119 C States "Contractor shall cooperate with the City to accelerate completion of those facilities" "Which facilities are to be accelerated?" States; THE RESPONSE WAS: "Any facilities identified for early use by the City will be consistent with the project schedule submitted by the Contractor and approved by the Engineer."

In order to properly include in the bid the costs for such accelerations please identify the early use facilities or create a pay item / allowance (Submitted: Jun 22, 2021 9:19:55 AM EDT)

Answer

- At this time, there are no facilities identified for early use by the City. However, in accordance with Section 01010, Paragraph 1.19A, the City reserves the right to enter and use any portion of the constructed facilities before final completion of the whole work to be done under this Contract. (Answered: Jun 22, 2021 2:02:15 PM EDT)

Question 25

Where shall the price of Permanent restoration of Items 61 through 80 be placed? The measurement and payment only states temporary restoration. (Submitted: Jun 24, 2021 10:52:44 AM EDT)

Answer

- Bid Items 61 through 80 include all backfill and compacted material as well as temporary asphalt pavement restoration in accordance with the typical trench and restoration details provided on Sheet GC-11. These bid items are intended to include all permanent trench restoration requirements. As per Section 01520, Paragraph 1.04 B, the Contractor is required to install temporary asphalt after installation of buried piping and structures. Final milling and resurfacing as required under Section 01520, Paragraph 1.04 B shall be paid for under Items 127 and 128. Permanent restoration of items such as concrete sidewalk, curb, and/or gutter required as a direct result of construction activities related to furnishing and installing drainage pipe is considered incidental restoration work

and is included as part of unit price for Bid Items 61 through 80. (Answered: Jun 25, 2021 4:05:34 PM EDT)

Question 26

Was the quantity of 125,000sy for items 127 and 128 per the paving and grading drawings? (Submitted: Jun 24, 2021 10:56:45 AM EDT)

Answer

- Please refer to Article 5 of the Special Conditions, page 85 of 906 of the Packet for Bid. It states that "Contract quantities of any or all items may be increased, reduced, or eliminated to adjust the contract amount to coincide with the amount of work necessary, or to bring the contract value within the established limit. All quantities are estimated, and the City reserves the right to increase, reduce, or eliminate the contract quantities in any amount." (Answered: Jun 25, 2021 4:05:34 PM EDT)

Question 27

In our opinion the answer provided under question 15 does not provide adequate clarification. Under what pay item are utility offsets to be paid for which are unable to be performed by the contractor, IE Gas & Telecommunication? Or will the owner provide an allowance for the costs incurred by the subcontractors performing work for the franchise utility companies? This clarification is solely for Gas, Electrical, Communications and Telecom Utilities where the prime contractor is unable to self perform the offsets needed as this scope of work must be handled and coordinated through the respective Utility Company. (Submitted: Jun 30, 2021 8:43:11 AM EDT)

Answer

- The following shall supersede previous response to Question #15. Utility offsets which cannot be performed by the contractor including but not limited to Gas, Telecommunication, FPL, etc., shall be paid for as negotiated and agreed to by contractor and City and authorized in writing by the City as part of the Undefined Conditions Allowance. Any time or effort required to coordinate and or schedule the relocation on the contractor's part shall be considered incidental and not subject to reimbursement. Refer to the Measurement and Payment Specification Section 01025 for more information. (Answered: Jul 6, 2021 12:49:51 PM EDT)

Question 28

Please provide driveway restoration specs. (Submitted: Jul 1, 2021 9:14:41 AM EDT)

Answer

- Please refer to sections 02710 Limerock Base and 02772 Asphalt Concrete Pavement for specifications with respect to driveway restoration, noting that the contractor shall leave driveways in as good or better condition than before the start of construction. Further, refer to the Geotechnical Report prepared by Radise, dated January 31, 2017 and included as a part of the Bid Documents. Lastly, refer to sheet G-06 of the General Notes, #20 where it states: "All restoration shall conform to the standards and requirements of the Agencies having jurisdiction over the right-of-way where the project is constructed." (Answered: Jul 6, 2021 12:49:51 PM EDT)

Question 29

will any work be performed with in the FEC ROW? (Submitted: Jul 1, 2021 3:56:41 PM EDT)

Answer

- Please refer to the Location Key Maps showing the project limits to be west of, and not in contact with, the FEC Railway Corridor/Right-of-Way. (Answered: Jul 6, 2021 12:49:51 PM EDT)

Question 30

I could not find any tree disposition list to try to ascertain the sizes of the trees that are to be removed and relocated (line item 152 says 100 quantity) . On the drawings it lists landscaping would be category L but only category G pages are shown. please provide landscaping plans (Submitted: Jul 6, 2021 12:44:14 PM EDT)

Answer

- Please refer to Note 6 on the 1C series of sheets titled Existing Site and Demolition Plan West and Existing Site and Demolition Plan East where it states: Trees to be removed, relocated, or replaced within the project area shall be specifically designated in the field as the project progresses. Further, Specification 01025 Measurement and Payment, Part 1 General, Section 1.03, sub section F titled Landscaping states as a part of line item 142 Existing Tree Protection: The lump sum price for this bid item shall be full compensation for protection of existing trees and landscaping, including all aspects of protection, trimming, pruning, fertilizing, and watering, furnished in accordance with Contract Documents. This item also includes the preparation and submittal of a tree disposition and landscape plan as well as the process for submitting and gaining approval of this plan. In addition, please refer to the Specification Section 02481, section 1.02, sub section B that states: The Contractor shall utilize the services of a Licensed Landscape Architect or Certified Arborist for preparation of tree disposition plans, tree removal permits, tree relocation permits, and all required supporting documentation (Answered: Jul 8, 2021 2:33:49 PM EDT)

Question 31

Can you please provide the preliminary dewatering permit? its important to see what are the prefer methods, what are the different parameters that we have to consider if contaminated water is encounter, etc. (Submitted: Jul 6, 2021 5:48:04 PM EDT)

Answer

- Please be advised that preliminary dewatering permits do not exist for this project. Instead, please refer to Specification Section 02222 1.04E where it states with respect to dewatering permits: If the quantity or nature of water withdrawn requires approval/permits from regulatory agencies, the Contractor shall procure such permits at its expense and submit copies to the Engineer before commencing the work (Answered: Jul 8, 2021 2:33:49 PM EDT)

- With respect to contaminated water, please refer to sheets G-07 through G-13 for known Contaminated Site Locations at the time of this bid.

Payment of the permit fee shall be from the Permits, License and Fees Allowance. (Answered: Jul 12, 2021 11:29:04 AM EDT)

Question 32

In our opinion it is not possible to effectively price Bid Item 142 "Existing Tree Protection, as this pay item requires the contractor to cover the cost of protecting, trimming, pruning, fertilizing, and watering trees located on the project based on a tree disposition and landscaping plan which does not exist. Furthermore, it is not possible to assess a defined cost for the creation of a tree disposition/landscape plan without knowing the specific scope of work and parameters which the city will be requiring the contractor to address in these specific work plans. We would ask for Bid Item 142 to be changed to an allowance item to ensure the City of Fort Lauderdale receives the most competitive pricing from all contractors however also fair to all submitting proposals for this project.

(Submitted: Jul 9, 2021 10:48:26 AM EDT)

Answer

- As stated in the response to Question No. 23, please refer to Specification Section 02481, Paragraph 1.02 B. The Contractor shall utilize the services of a Licensed Landscape Architect or Certified Arborist for preparation of tree disposition plans, tree removal permits, tree relocation permits, and all supporting documentation. Payment shall be as described in Bid Item 142 of revised Specification Section 01025, Addendum No. 1. Addendum No. 1 includes Sheets 1C-47 and 1C-48 which detail the species of trees referenced in the survey on Drawing Sheets 1C - Existing Site and Demolition Sheets. In addition, refer to revised Specification Section 01025, Bid Item 158 - Existing

Tree Trimming. (Answered: Jul 14, 2021 2:22:21 PM EDT)

Question 33

in regards to item 141, please provide the detailed drawing or quantities (Submitted: Jul 9, 2021 3:53:49 PM EDT)

Answer

- All pavement markings and signing shall be replaced in kind. A detailed breakdown will not be provided. Existing pavement markings and signage are included in the Contract Drawings (Answered: Jul 19, 2021 9:00:51 AM EDT)

Question 34

will the contractor have to update the existing marking & signing if they are not compliant with the city requirements? (Submitted: Jul 9, 2021 3:54:20 PM EDT)

Answer

- All pavement markings and signing shall be replaced in kind. (Answered: Jul 14, 2021 2:22:21 PM EDT)

Question 35

Item 128 calls for milling up to 2" and item 127 calls for 1" of resurfacing, how will the harmonizing of the existing drive approaches and the new 1" asphalt be achieved? (Submitted: Jul 9, 2021 3:54:49 PM EDT)

Answer

- Milling 2 inches is a maximum and is not anticipated in most areas. Should this be required, resurfacing efforts will be coordinated in the field to match existing and proposed asphalt surfaces (Answered: Jul 14, 2021 2:22:21 PM EDT)

Question 36

The Contaminated Soil Services allowance measurement and payment makes no reference to how the contractor will be paid for the replacement of any contaminated soils removed from the project. Are we to assume that this import and placement costs are to also be billed under this same allowance item? (Submitted: Jul 9, 2021 4:13:33 PM EDT)

Answer

- All items related to the contaminated soils services shall be paid out of the Contaminated Soil Services Allowance account as authorized by the City. (Answered: Jul 14, 2021 2:22:21 PM EDT)

Question 37

Has the City procured temporary construction easements for any work including clearing which is to take place on private property? (Submitted: Jul 9, 2021 4:13:52 PM EDT)

Answer

- No temporary construction easements have been procured for the proposed work. Existing drainage easements are shown on the Drawings and may be accessed to replace portions of the existing system as required by the Contract Documents (Answered: Jul 14, 2021 2:22:21 PM EDT)

Question 38

Has the engineer and city taken into consideration the significant amount of tree trimming and root pruning which will be required to facilitate the construction of this project as a direct result to the proximity of the proposed storm drainage system as it relates to the quantity of large diameter trees with low overhanging limbs

limiting access and mobility of the required excavation equipment based on the current and approved alignment? (Submitted: Jul 9, 2021 4:21:14 PM EDT)

Answer

- Please refer to Specification Section 01025 1.03F-1 Bid Item 142 - Existing Tree Protection which includes payment for protection and pruning of existing trees and landscaping and to Bid Item 60 which includes root pruning required for the installation of the concrete winged endwall only. In addition, revised Specification Section 01025, Addendum 1 includes Bid Item No. 158 - Existing Tree Trimming (Answered: Jul 14, 2021 2:22:21 PM EDT)

Question 39

Is this project Buy America or Conform with American Iron & Steel Requirements? (Submitted: Jul 9, 2021 4:27:02 PM EDT)

Answer

- No. (Answered: Jul 14, 2021 2:22:21 PM EDT)

Question 40

Will the contractor be required to provide Bacteria Testing, pressure testing, and health department certification for each of the watermain offsets? (Submitted: Jul 9, 2021 4:36:44 PM EDT)

Answer

- Where connections are to be made to an existing potable water system, i.e. short offsets, they will be performed per revised Specification Section 15995 "Pipeline Testing and Disinfection, Addendum 1, Paragraph 3.07 A. Where the existing and or proposed potable water mains cannot be protected and kept free of contamination or there are obvious signs of contamination in which the pipes and or water have become contaminated, the procedures outlined above shall be evaluated and other appropriate disinfection and sampling methods shall be followed. With respect to certification, please be advised that final acceptance of the work will be subject to the approval of the City of Fort Lauderdale and Engineer. Please refer to Addendum No. 1 revised Specification Section 15995 - Pipeline Testing and Disinfection for additional information with respect to Connecting to Existing Watermains. (Answered: Jul 14, 2021 2:22:21 PM EDT)

Question 41

Will the contractor be required to clean and televise the existing sanitary sewer pipe system including the newly installed pipe between the existing sanitary sewer structures for each associated offset? (Submitted: Jul 9, 2021 4:39:24 PM EDT)

Answer

- Per Specification Section 01025 - Measurement and Payment, Contractor will be required to clean sanitary sewer mains having been furnished and installed by Contractor as a part of this project. Refer to Bid Items 123-124 of said Section for additional information. Contractor will not be required to televise new or existing lines as a part of this project, but will be required to test sanitary sewer mains for which work was performed on the main by Contractor. Please refer to Addendum No. 1 revised Specification Section 15995 - Pipeline Testing and Disinfection for additional information with respect to alignment testing of gravity sewer main lines and flushing of all new liquid conveying pipes. Note, there are no offsets associated with this project. (Answered: Jul 14, 2021 2:22:21 PM EDT)