

ENVIRONMENTAL PERMITTING DIVISION

1 North University Drive, Mailbox 201, Plantation, Florida 33324 • 954-519-1483 • FAX 954-519-1412

July 18, 2025

City of Hollywood c/o Jose Cortes PO Box 229045 Hollywood, FL 33022

Email: jcortes@hollywoodfl.org

Dear Mr. Cortes:

This is to notify you of the Resilient Environment Department's action concerning your application received October 19, 2023, for authorization to construct a seawall within and adjacent a mangrove wetland located at 801 Johnson Street, Hollywood, Florida. The application has been reviewed for an Environmental Resource License.

Broward County - Environmental Resource License (ERL) Review - Granted

The Department has reviewed the project for compliance with Aquatic and Wetland Resource Protection Ordinance Sec. 27-331 through 27-341 of the Broward County Code. Based on the information submitted, Environmental Resource License No. **DF23-1297** is hereby issued. The above-named licensee is hereby authorized to perform the work per the approved drawings(s), plans, documents and specifications as submitted by the licensee, and made a part hereof. The above-mentioned approvals will remain in effect subject to the attached Broward County General Conditions, Broward County Specific Conditions, and stamped exhibits.

The issuance of this license is 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 Ordinances (excerpt attached).

Sincerely,

Linda Sunderland

Linda Sunderland, PWS Environmental Program Supervisor July 18, 2025

Date

ENC:

- 1. Environmental Resource License
- 2. Sec. 27-14 Administrative Review Procedures (4 pages)
- 3. One copy of stamped drawings (19 pages)

CC:

- 1. Cummins Cederberg c/o Francesca Fourney
- 2. USACOE-PBG (via e-mail)



Resilient Environment Department

ENVIRONMENTAL PERMITTING DIVISION

1 North University Drive, Mailbox 201, Plantation, Florida 33324 • 954-519-1483 • FAX 954-519-1412

ENVIRONMENTAL RESOURCE LICENSE

LICENSEE: City of Hollywood c/o Jose Cortes PO Box 229045 Hollywood, FL 33022 LICENSE NO: DF23-1297
PROJECT:
Hollywood Tidal Flood Mitigation and
Shoreline Protection (Sites 2 & 22,
Holland Park)

This license is issued under the provision of Chapter 27 of the Broward County Code of Ordinances also cited as Broward County Natural Resource Protection Code hereinafter called the Code. The above-named applicant, hereinafter called 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 applicant, and made a part hereof and specifically described as follows:

Description of Work: This project involves the installation of a retaining wall and road improvements for the purpose of flood mitigation and shoreline protection within a 27-acre site at Holland Park. The following regulated activities are proposed during construction of the development: (1) the filling of approximately 4,552 square feet (0.105-acre) of mangrove wetlands to install a new 822-linear foot sheet pile wall north of Johnson Street at the western side of Holland Park; (2) installation of a new 2' wide cap; and (3) roadway improvements (not yet approved). No work is proposed within a Joint Deed of Conservation Easement area granted to Broward County and South Florida Water Management District, instrument number 107911004, associated with DF02-1215.

Unavoidable impacts to 0.105-acre of mangrove wetland shall be offset through the purchase of 0.03 saltwater mitigation credits calculated with WATER scores from the FPL/Everglades Mitigation Bank (EMB). This license does not authorize impacts to resources not described herein.

Location of Work: This project is located at 801 Johnson Street, Hollywood. Folio Number 514201013880.

Construction shall be in accordance with submitted ERL Application Form received on 10/19/2023, and all additional information submitted; plans stamped by the Department on 07/18/2025 (attached); and with all General and Specific Conditions of this license.

License No. DF23-1297

LICENSEE: Hollywood Tidal Flood Mitigation and Shoreline Protection (Sites 2 & 22, Holland

Park)

GENERAL CONDITIONS:

The terms, conditions, requirements, limitations and restrictions set forth herein are accepted by the licensee and
enforceable by Resilient Environment Department (RED) pursuant to Chapter 27 of the Broward County Code of
Ordinances. RED 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 RED.
- 3. In the event the licensee is temporarily unable to comply with any of the conditions of the license, the licensee shall notify RED within twelve (12) hours. Within five (5) working days of the event, the licensee shall submit a written report to RED 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 RED, may be used by RED 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 RED 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 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 RED shall contain specific conditions determined by site conditions and requirements pursuant to the regulations as determined by the director of RED. The licensee agrees that specific conditions are enforceable by RED for any violation thereof.
- 13. Enforcement of the terms and provisions of this license shall be at the reasonable discretion of RED, and any forbearance on behalf of RED 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 RED's rights hereunder.

License No. DF23-1297

LICENSEE: Hollywood Tidal Flood Mitigation and Shoreline Protection (Sites 2 & 22, Holland

Park)

SPECIFIC CONDITIONS:

A. STANDARD CONDITIONS

 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 causing 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 <u>in all cases</u> 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].
- 6. Only clean fill shall be placed in the water bodies being filled. Any fill material used shall be free of garbage, rubbish, refuse, asphalt, hazardous materials, organic matter such [as] wood, lumber, tree or tree trimmings, or other contaminants. The disposal of any putrescible or deleterious debris in any water body is prohibited.

B. CONSTRUCTION CONDITIONS

- 1. No dredging is authorized by this license.
- 2. If the approved license drawings and/or license attachments/plans conflict with the specific conditions, then the specific conditions shall prevail.
- 3. Demolition and construction related debris must be disposed of at an approved upland location and may not be left in the wetlands or any surface waters.
- 4. 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

- Adjacent wetland areas shall be protected from construction activities and construction-related runoff using siltation screening and/or haybales around the perimeter of the scrape down 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.
- 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.

License No. DF23-1297

LICENSEE: Hollywood Tidal Flood Mitigation and Shoreline Protection (Sites 2 & 22, Holland

Park)

3. This license does not authorize the licensee to cause any adverse impact to or "take" of state listed species and other regulated species of fish and wildlife. Compliance with state laws regulating the take of fish and wildlife is the responsibility of the owner or applicant associated with this project. Please refer to Chapter 68A-27 of the Florida Administrative Code for definitions of "take" and a list of fish and wildlife species. If listed species are observed onsite, FWC staff are available to provide decision support information or assist in obtaining the appropriate FWC permits. Most marine endangered and threatened species are statutorily protected and a "take" permit cannot be issued. Requests for further information or review can be sent to FWCConservationPlanningServices@MyFWC.com.

D. SEAWALL CONDITIONS

- No dredging other than that required for proper installation of the proposed seawall paneling is authorized by this license.
- 2. Backfill material shall be clean fill as defined by Section 27-332 of Broward County Code of Ordinances.
- E. COMPENSATORY MITIGATION CONDITIONS (OFF-SITE)
 - Off-site mitigation for the authorized wetland impacts shall be comprised of 0.04 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. 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 the mitigation bank that 0.04 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.
- F. A COPY OF THIS LICENSE SHALL BE KEPT ON SITE DURING ALL PHASES OF LICENSED CONSTRUCTION.

Recommended for approval by:

Michelle Decker License Processor

Issued this 18th day of July 2025

Expiration Date: July 18th, 2030

BROWARD COUNTY RESILIENT ENVIRONMENT DEPARTMENT

LINDA SUNDERLAND, PWS
ENVIRONMENTAL PROGRAM SUPERVISOR
ENVIRONMENTAL PERMITTING DIVISION

Linda Sunderland

Sec. 27-14. Administrative review of RED determinations.

- (a) 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 made pursuant to this chapter concerning:
 - (1) The requirement that a facility or activity obtain a license or environmental review approval.
 - (2) Interpretations of license or environmental review approval conditions.
 - (3) Interpretations of variance conditions.
 - (4) The decision to suspend or revoke a license or environmental review approval.
 - (5) The requirement of certain license conditions.
 - (6) The issuance of a license or environmental review approval.
 - (7) The denial of a license or environmental review approval.
 - (8) The scope of a license or environmental review approval, geographic or otherwise.
 - (9) The scope of a variance, geographic or otherwise.
 - (10) The issuance of a stop work order.
 - (11) Similar final administrative determinations.

This administrative review procedure shall be the only means of review available for the above final administrative determinations by either the petitioner or the intervenor (the parties).

- (b) person may not obtain review by this procedure of:
 - (1) The issuance or adjudication of or other matters involving a notice of violation or a citation.
 - (2) Internal policy decisions
- (c) A person desiring a review of a staff determination made pursuant to this Chapter shall first bring the determination to the attention of the appropriate section supervisor to attempt to resolve the matter. If a resolution cannot be reached, then the decision shall be reviewed by successive supervisory levels until the issue is resolved or reaches the level of the director or his or her designee for the final determination.
- (d) A person desiring administrative review of a final determination made by the director or the designee shall file a petition with the director for review by the hearing examiner. The petition shall be filed within ten (10) days from the rendition of the action taken or of the decision made by the director. An entity whose license or approval is being challenged shall be a party to the action.
- (e) The review shall not be heard until the provisions of subsection (f) are met. Upon motion to the hearing examiner, an insufficient petition shall be dismissed with or without leave to refile. If a petition is determined to be insufficient by the hearing examiner and the petitioner has been given leave to refile by the hearing examiner, unless otherwise ordered by the hearing examiner, the petitioner must refile within ten (10) days of the rendition of the order of dismissal or the petition will be dismissed with prejudice.

- (f) A sufficient petition for review or petition for intervention in the review shall, at a minimum, contain the following information:
 - (1) The nature of the determination sought to be reviewed.
 - (2) A short, plain statement of the facts which form the subject matter upon which the determination was made as asserted by all parties of record at the time that the petition is filed; a statement of the material facts in dispute, if any. If any party is unable to state the matters in sufficient detail at the time initial petition is filed, the petition may be limited to a statement of the issues involved; and thereafter, upon timely written motion, a more definite and detailed statement shall be furnished not less than seven (7) days prior to the date set for the hearing.
 - (3) The specific determination for which the review is sought.
 - (4) The specific legal grounds upon which the parties seek review of the determination.
 - (5) A short statement of the petitioner's or the intervenor's substantial interest in the matter to be reviewed.
 - (6) The specific section of this chapter on which the decision is based, if known, and the specific section that the parties allege should control the decision, if known.
 - (7) A copy of the director's or the designee's written final determination.
 - (8) A statement of the relief requested stating precisely the action that the petitioner wants RED to take with respect to the final determination.
- (g) All pleadings or other documents filed in the proceeding must be signed by a party, the party's attorney, or the party's qualified representative. The signature of a party, the party's attorney or a party's qualified representative constitutes a certificate that he or she has read the pleading or other document and that to the best of his or her knowledge, information, and belief formed after reasonable inquiry, it is not brought for any improper purposes, such as to harass or to cause unnecessary delay or for frivolous purpose or needless increase in the cost of litigation. If a pleading or other document is signed in violation of these requirements, the hearing examiner, upon motion or his or her own initiative, shall dismiss the matter.
- (h) A petitioner or intervenor may request an emergency hearing to stay all activities or work conducted pursuant to the challenged license or approval. Such petitioner or intervenor has the burden of proof to show by a preponderance of the evidence that the continued activities would cause substantial pollution or degradation to the environment. An emergency hearing shall be scheduled by RED and be held within five (5) days of said request or as soon thereafter as possible subject to the availability of the hearing examiner. The petitioner or intervenor shall comply with the notice provisions of section 27-14(j)(2)a. and c. and section 27-14(j)(3) and (4) of this chapter.
- (i) The petition for review will not stay environmental protection activities required for the remediation or mitigation of a site or facility, the protection of the environment or the health, safety and welfare of the citizens of Broward County, or the prevention of further environmental degradation. The person responsible for these activities must take all necessary steps to prevent environmental degradation and must conduct the remediation or mitigation activities required by this chapter. The director may allow these activities to be delayed until after the hearing examiner's decision by certifying to

the hearing examiner that, by reason of facts stated in the certificate, a delay in the initiation or completion of these activities would not cause substantial environmental degradation or peril to life or property. The delay for conducting these activities may be subject to appropriate terms to ensure protection of the environment. The person responsible for these activities shall be responsible for any environmental damage or any violation of this chapter caused by the delay.

- (j) Notice and Scheduling Requirements:
 - (1) The hearing on the review shall be scheduled within a reasonable time. It shall be the responsibility of the petitioner to request through RED that the hearing date be scheduled. It shall also be the responsibility of the petitioner to give notice in accordance with this section at least ten (10) days prior to the hearing.
 - (2) The petitioner shall give notice of the hearing by:
 - a. Giving personal notice to all proper parties; and
 - b. Publishing notice on two (2) days in a newspaper of general circulation in the county; and
 - c. Posting notice at a location determined by the Broward County Administrator's Office.
 - (3) The petitioner shall bear the cost of giving notice.
 - (4) The notice shall contain, at a minimum:
 - a. A description and location of the facility or the activity to be conducted by the petitioner; and
 - b. The time and place of the hearing.
- (k) The petitioner shall bear the cost of accurately and completely preserving all testimony and providing full or partial transcripts to all parties.
- (I) The hearing shall be a quasi-judicial hearing.
 - (1) The applicant/petitioner requesting the administrative review, any intervenor/petitioner and RED shall have an opportunity to respond to and to present witnesses, other evidence and argument on all issues involved, to conduct cross-examination and submit rebuttal evidence, to submit proposed findings of facts and orders, and to be represented by counsel. Members of the general public who are not intervenors as set forth in Section 27-14 of this chapter are not parties to the proceeding.
 - (2) When appropriate, the general public may be given an opportunity to present oral or written communications. If the hearing examiner proposes to consider such material, then all parties shall be given an opportunity to cross-examine, challenge or rebut it.
- (m) Denial, protest of, revocation, or suspension of a license, environmental review approval, or any other approval:
 - (1) In regard to denial or protest of approval of a license and any other review of an administrative decision, notwithstanding (2) below, the petitioner shall have the burden of showing, by a preponderance of the evidence, that the determination of the director was an arbitrary and/or capricious abuse of discretion, not supported by competent, substantial evidence or not in conformance with the

- essential requirements of this chapter. The hearing examiner shall not substitute his or her judgment for that of RED on an issue of discretion even though the hearing examiner may have reached a different conclusion based on the same facts.
- (2) In an action to revoke or suspend a valid license or approval, the burden shall be upon RED to prove, by a preponderance of the evidence in an administrative hearing, the grounds for revocation or suspension. The license holder or approval recipient shall be provided notice of the hearing and a copy of the petition stating the grounds for revocation or suspension as provided in section 27-63 of this chapter. The petition shall state with specificity the acts complained of in order to allow the license holder or approval recipient an opportunity to prepare a defense. The hearing shall be conducted in accordance with the provisions of Section 27-37 of this chapter.
- (n) Findings of fact shall be based exclusively on the evidence of record and on matters officially recognized.
- (o) If the hearing examiner finds that the director or his or her designee has erroneously interpreted a provision and that a correct interpretation compels a particular action, he or she shall remand the case to the director or his or her designee for further action under a correct interpretation of the provision.
- (p) The hearing examiner shall complete and submit to the director and all parties a final order consisting of his or her findings of fact and conclusions of law.
- (q) A party to the hearing may obtain appellate review of the final order as provided by section 27-42 of this chapter.
- (r) A petitioner or intervenor shall pay a filing fee at the time the application for review is filed. The amount of the filing fee shall be set by resolution of the Board.

(Ord. No. 2003-34, § 1, 9-23-03; Ord. No. 2005-08, § 2.03, 4-26-05) Secs. 27-15--27-19. Reserved.

CITY OF HOLLYWOOD FLORIDA

TIDAL FLOODING MITIGATION AND SHORELINE PROTECTION PROJECT HOLLAND PARK, 801 JOHNSON ST., HOLLYWOOD, FL 33019

CITY OF HOLLYWOOD PROJECT NO. DCM-----







PROJECT LOCATION

CLIENT:



CITY OF HOLLYWOOD DEPARTMENT OF DESIGN AND CONSTRUCTION MANAGEMENT 2600 HOLLYWOOD BLVD. HOLLYWOOD, FL 33020

PRIME CONSULTANT:

CUMMINS | CEDERBERG Coastal & Marine Engineering

COASTAL, MARINE & ENVIRONMENTAL 888 S. ANDREWS AVE. STE. 206 FORT LAUDERDALE, FL 33316 TEL: 954-880-1646

SUBCONSULTANTS:



CURTIS + ROGERS LANDSCAPE ARCHITECTURE 3440 HOLLYWOOD BLVD. STE. 415 HOLLYWOOD, FL 33021 TEL: 954-610-4412



GEOTECHNICAL ENGINEER 200 SOUTH PARK RD. STE. 350 HOLLYWOOD, FL 33021 TEL: 954-495-2112



500 W. CYPRESS CREEK RD. STE. 600 FORT LAUDERDALE, FL 33309 TEL: 954-730-0707 BRIZAGA

CHEN MOORE AND ASSOCIATES

CIVIL ENGINEER



PUBLIC OUTREACH 2101 W. COMMERCIAL BLVD. STE. 4600 FORT LAUDERDALE, FL 33309 TEL: 954-834-3533

NOT FOR CONSTRUCTION

PERMIT DRAWINGS FOR REGULATORY REVIEW



KEITH & ASSOCIATES SURVEYOR 301 E. ATLANTIC BLVD. POMPANO BEACH, FL 33060 TEL: 954-788-3400



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY :

Jordon

Cheifet 2024-08-07 13:34:39

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

CUMMINS CEDERBERG 888 S. ANDREWS AVE. STE. 206 FORT LAUDERDALE, FL. 33304 JORDON P. CHEIFET, P.E. 72876

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

	CUMMINS CEDERBERG							
CC	COASTAL, MARINE & ENVIRONMENTAL							
SHEET	DESCRIPTION							
CM-1.0	COVER SHEET							
CM-1.1	GENERAL NOTES							
CM-1.2	GEOTECHNICAL BORINGS							
CM-1.3 EXISTING CONDITIONS PLAN								
CM-1.4	EXISTING HABITAT PLAN							
CM-2.0	OVERALL IMPROVEMENT PLAN							
CM-2.1	IMPROVEMENT PLAN, STA. 0+00 TO 5+20							
CM-2.2	IMPROVEMENT PLAN, STA. 5+20 TO 10+80							
CM-2.3	IMPROVEMENT PLAN, STA. 10+80 TO 17+55							
CM-2.4	IMPROVEMENT PLAN, STA. 17+55 TO 23+25							
CM-2.5	IMPROVEMENT PLAN, STA. 23+25 TO 25+24							
CM-2.6	TYPICAL SECTIONS							
CM-2.7	STRUCTURAL SECTIONS & DETAILS							

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET	DESCRIPTION

THE ABOVE NAMED REGISTERED LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G10-11.011, F.A.C.

SHEET	DESCRIPTION

CITY OF HOLLYWOOD TIDAL FLOODING MITIGATION AND SHORELINE PROTECTION PROJECT

PROJECT NO. DCM-001187

CITY OF HOLLYWOOD, FL DEPARTMENT OF DESIGN AND CONSTRUCTION MANAGEMENT

2600 HOLLYWOOD BLVD. HOLLYWOOD FL. 33020



CUMMINS CEDERBERG COMSTAL, MARINE & ENVIRONMENTAL 888 S. ANDREWS AVE. STE. 206 FORT LAUDEDDALE, FI. 33316 TEL: 954-880-1646 C.O.A. #29062 SUBCONSULTANTS:

CURTIS + ROGERS

LANDSCAPE ARCHITECTURE 3440 HOLLYWOOD BLVD. STE. 415 HOLLYWOOD, FL. 33021 TEL: 954-610-4412

TEL: 954-610-4412

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GEOTECHNICAL ENGINEER
200 SOUTH PARK RD. STE. 350
HOLLYWOOD, FL. 33021
TEL: 954-495-2112

KEITH & ASSOCIATES

CHEN MOORE AND ASSOC

CIVIL ENGINEER 500 W. CYPRESS CREEK RD. STE. 600 FORT LAUDERDALE, FL 33309 TEL: 954-730-0707

BRIZAGA

PUBLIC OUTREACH 2101 W. COMMERCIAL BLVD. STE. 4600 FORT LAUDERDALE, FL 33309 TEL: 954-834-3533

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SHEET TITLE

SIGNATURE SHEET

CM-1.0

Broward County Page 2 of 19 07/18/2025

- THE WORK CONSISTS OF PROVIDING ALL CONSTRUCTION, LABOR, EQUIPMENT, MATERIAL AND OPERATIONS IN CONNECTION WITH THE CONSTRUCTION OF SEAL EVEL RISE MEMOVEMENTS AS SHOWN ON THESE DRAWINGS. WITH THE CONSTRUCTION SHALL NOT CONTINUE, UNTIL THE PRODUCE THE AS DADGESSED THE DISCREPANCIES. THE CONTRACTOR SHALL TAKE ALL INCESSARY PRECAUTIONS TO PROTECT EXISTING STRUCTURES IN THE PROJECT VICINITY, ANY DAMAGE OF PRIVATE OR PUBLIC PROPERTY WITHIN THE PROJECT VICINITY, MICLIDING STAGING SITES, WORK AND ACCESSARY SHALL BE REPARED PROMPTLY BY THE CONTRACTOR ANY DAMAGE AS A RESULT OF THE CONTRACTORS OPERATIONS SHALL BE REPARED FOR DATE OF THE CONTRACTOR ANY DAMAGE AS A RESULT OF THE CONTRACTOR OPERATIONS SHALL BE REPARED FOR THE CONTRACTORS OF SPALL BE REPURED AT IN QUOST OF THE UWINER, A COLESS AND STREED TO THE PRE-CONSTRUCTION CONDITION OF THE DESTRUCTION CONDITION OF THE WAS A SHALL BE RESTORED BY REPURED AND THE CONSTRUCTION CONDITION OF THE CONTRACTOR. THE STREET SHALL BE RESTORED BY REMOVING AND FINISHING ALL EVIDENCE FOR CONSTRUCTION. IN THE EVENT INFRASTRUCTURE (BUCH AS WALKWAM'S, BISYMALKS, PEGETATION, LETC.) IS TEMPORARILY REMOVED OR RELOCATED OR THERE IS UNAUTHORIZED DAMAGE TO VEGETATION AND/OR FACILITIES BY THE CONTRACTOR, THE CONTRACTOR SHALL RESTORE ALL DAMAGE TO STRUCTURES AND NATURAL FEATURES TO
- PRE-CONSTRUCTION CONDITIONS OR BETTER.
 UTILITIES ARE NOT SHOWN IN THE PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PRESENT UTILITIES PRIOR TO
- CONSTRUCTION.
 CONTRACTOR IS RESPONSIBLE FOR PROVIDING PROPER CLEARANCE AND PROTECTION TO ALL OVERHEAD WIRES AND
- OBSTRUCTIONS.
 THE CONTRACTOR SHALL EXCLUDE THE PUBLIC FROM THE WORK AREAS IN THE IMMEDIATE VICINITY OF OPERATIONS.
- CONTRACTOR SHALL PROVIDE APPROPRIATE SAFETY MEASURES TO PROTECT THE PUBLIC.

 ALL NEW STRUCTURAL WORK INCLUDING LUMBER AND PILES SHALL BE ACCURATELY FIELD MEASURED AND DIMENSIONS VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS, CONTRACTOR SHALL BE PREPARED TO MAKE FIELD ADJUSTMENTS TO ACCURATELY FIT THE NEW WORK TO EXISTING CONDITIONS.
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE
 CONTRACTOR HAS BEEN SIZED NOTICE TO PROCEED.
 SHAPPEN SH

- SURVEY PERFORMED BY KEITH, DATED 04/02/21
- ELEVATIONS ARE IN U.S. FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- HORIZONTAL DATUM IS IN US FEET REFERENCED TO FLORIDA STATE PLANE, EAST ZONE, NAD83.
 AERIAL IMAGERY BY ESRI WORLD IMAGERY SERVICE DATED 04/17/18 FOR VISUAL REFERENCE ONLY.

- 5.1. CONTRACTOR MAY NEED TO ADJUST HIS WORK PLAN TO ACCOUNT FOR ACTUAL WATER LEVES AND CHANGING WATER LEVES.
 THE STREAM RE SUBJECT TO VARIABLE WAVE AND SURGE COSDITIONS AND ITS THE RESPONSIBILITY OF THE CONTRACTOR
 TO PROVIDE TEMPORARY SUPPORT FOR MARINE STRUCTURES AND SHORELINE DURING CONSTRUCTION.
 WATER LEVELS GOTAMED FROM NOAS ASTATION 272211 WHISTEY CREEK CORRECTED FOR SEA LEVEL RISE.

4 LAYOUT & TESTING

- 4.1. ALL CONSTRUCTION STAKE OUT SHALL BE PERFORMED AND PAID FOR BY THE CONTRACTOR UNDER THE SUPERVISION OF A SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
 42. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A SET OF AS-BUILT DRAWINGS IN SUFFICIENT DETAIL TO LLUSTRATE THE HORIZONTAL AND VERTICAL COMPONENTS OF ABOVE AND BECOM-WATERS TRUCTURES RELATIVE TO THE CONSTRUCTION BASILINE PROVINGING HALL BE SIGNED AND SEALED BY A FLORIDANCE GESTERED SURVEY.

- CONTRACTOR SHALL CALL SUNSHINE 1-800-432-4770 PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL PRESENT UTILITIES PRIOR TO CONSTRUCTION. NO PILE DRIVING SHALL TAKE PLACE WITHIN THE DESIGNATED CONSTRUCTION AREA UNITL UTILITY LOCATIONS HAVE SEEN FILE D VERFIRED.
 PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE, THE CONTRACTOR WILL COORDINATE SUCH INTERRUPTION WITH THE UTILITY PROVIDER AND WILL PROVIDE A MINIMUM 24-HOUN FORTICE TO AFFECTED PARTIES. THE CONTRACTOR WILL
- NOTIFY THE ELECTRIC UTILITY A MINIMUM OF TWO (2) WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.

6 DEMOLITION

- CONTRACTOR SHALL VERIFY THE EXTENTS, LOCATION AND QUANTITIES OF EXISTING ELEMENTS TO BE REMOVED.
 ALL DEBRIS WITHIN THE LIMITS OF THE PROJECT SHALL BE HAULED OFF SITE BY THE CONTRACTOR, AS DIRECTED BY THE OWNER, AND DISPOSED OF AT AN APPROPRIATE FACILITY.
 CONTRACTOR SHALL NOT DAMAGE ANY STRUCTURAL COMPONENTS BEYOND THE DEMOLITION REQUIREMENTS DEPICTED IN THESE DRAWINGS ANY DAMAGE SHALL BE REPRIED AT THE CONTRACTOR'S EXPENSE.

7. ENVIRONMENTAL NOTES

- 7.1. SPOIL MATERIAL SHALL BE DE-WATERED ON SITE WHILE SURROLINDED BY EROSION CONTROL DEVICES (SUCH AS BERIMS OR HAY BALES). THE CONTRACTOR SHALL CONDONATE THE DE-WATERING LOCATION WITH THE OWNER PRORT TO COMMENCING HAY BALES). THE CONTRACTOR SHALL CONDONATE THE DE-WATERING CHECK OF WHICH PROPERTY CONTRACTOR CROSSON, AND STORAGE OF MATERIAL SHALL BE PLACED AT AN APPROVED UP-JAND DISPOSAL SITE IN ACCORDANCE WITH APPROVED PERMITS.

 7.2. CONTRACTOR SHALL AND THE SHALL BE PLACED AT AN APPROVED UP-JAND DISPOSAL SITE IN ACCORDANCE WITH APPROVED PERMITS.

 7.3. TURBIDITY CURTAINS SHALL BE DEFLOYED FOR THE DREDDING PROJECT PER THE PLANS AND THE APPROVED PERMITS.

 7.4. TURBIDITY CURTAINS SHALL NOT BE RELOCATED/REMOVED FROM DREDGING AREA UNTIL LEVELS WITHIN ENCLOSED AREA RETURN TO BACKGROUND LEVELS SUTISSED THE CURTAINS.

 7.5. TURBIDITY CURTAINS SHALL NOT BE RELOCATED/REMOVED FROM DREDGING AREA UNTIL LEVELS WITHIN ENCLOSED AREA RETURN TO BACKGROUND LEVELS SUTISSED THE CURTAINS.

 7.5. TURBIDITY CURTAINS SHALL EXTEND TO WITHIN 1 FOOT OF THE MUDLINE.

 7.6. TURBIDITY CURTAINS SHALL EXTEND TO WITHIN 1 FOOT OF THE MUDLINE.

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 7.7. TURBITY CURTAINS SHALL EXTEND TO WITHIN 1 FOOT OF THE MUDLINE.

- CONTROL FUNCTIONS. ALL LINES SHALL BE TAUT AND NON-LOOPING TO PREVENT WILDLIFE ENTANGLEMENT. CONSTRUCTION PERSONNEL SHALL OBSERVE ANY ESA-LISTED SPECIES OR MARINE MAMMALS. IF ANY INTERACTION OCCURS,
- CONSTRUCTION PERSONNEL SHALL GSSERVE ANY ESA-LISTED SPECIES OR MARINE MANIMALS. IF ANY INTERACTION OCCURS, THE INCIDENT VILLE BE AMEDIATELY PROPRIETE OF THE APPROPRIATE AS EMERCY. VESSE, OFFERTOR'S SHALL OFFERTA ET TIME. SPEED NO WAKE: AT ALL TIMES WHALE OPERATING IN WAITEN DEPTHS WITH LESS THAN 4-FOOT CLEARANCE, OR IF A INCIDENT CONTROL OF THE APPROPRIATE AND A SHALL RESULT ONLY WHEN THE SPECIES HOS LEFT THE APPROPRIATE THAT WILL CAUSE ANY DAMAGE TO MARINE RESOURCES. ANCHORING, OR STAGING EQUIPMENT IS HALL AVIOLITY THE SENSITIVE APPROPRIATE AND A SHALL RESULT OF THE APPROPRIATE APPROPRIATE AND A SHALL RESULT OF THE APPROPRIATE AND A SHALL RESULT OF THE APPROPRIATE APPROPRIATE AND A SHALL RESULT OF THE APPROPRIATE AND A SHALL RESULT OF THE APPROPRIATE AND A SHALL RESULT OF THE APPROPRIATE APPROPRIATE AND A SHALL RESULT OF THE APPROPRIATE AND

8 SUBMITTALS

- ALL SHOP DRAWINGS MUST BEAR EVIDENCE OF THE CONTRACTOR'S APPROVAL PRIOR TO SUBMITTING TO THE ENGINEER. THE FOLLOWING MINIMAM SUBMITIALS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR 2.1. SCHEDILE FOR COMPLETION OF WORK WITH TASKS AND 0. DURATIONS DEFINED.

 1. DIRECTION METHODS AND DISPOSAL PLAN
- - ROCK WEIGHT TICKETS

 - EPOXY GEOTEXTILE FABRIC
 - EARTH PLUG INSTALLATION AND METHODOLOGY
 - INCLEMENT WEATHER

BACKFILL

- IG SUBMITTED PROMYMICS MUST BEAR EVIDENCE OF THE CONTRACTOR'S APPROVAL PRIOR TO SUBMITTING TO THE ENGINEER.

 10.2 THE FOLLOWING MINIMAN BUSHMAN SUBMITTED STATE PREPEARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO RELATE CONSTRUCTION ACTIVITY.

 10.2.1. SCHEDULE FOR COMPLETION OF WORK WITH TASKS AND

- DURATIONS DEFINED
 DEMOLITION METHODS AND DISPOSAL PLAN
 ROCK WEIGHT TICKETS
- LUMBER
- HARDWARE
 FILTER FABRIC

9. EARTH WORKS (EXCAVATION AND BACKFILL)

- 9.1. EXCAVATED MATERIAL MAY BE TEMPORARILY STOCKPILED IN THE STAGING AREA FOR OFF-SITE DISPOSAL AT AN APPROVED
- UPLAND FACILITY.

 9.2. BACKFILL SHALL BE CLEAN GRAVEL (#57 STONE).
- 9.3. BACKFILL SHALL BE TOPPED WITH 6" OF CLEAN TOPSOIL AND SODDED TO MEET THE GRADES SPECIFIED HEREIN

10. GEOTEXTILE

- GEOLEVALLE
 10.1. GEOTEXTILE SHALL BE U.S. 670 (OR APPROVED EQUAL
 10.2. PROVIDE GEOTEXTILE IN ACCORDANCE WITH FDOT SPECIFICATION 514, INSTALL GEOTEXTILE AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTION.

- 11. ROCK

 11. PROPOSED ROCK SOURCE(S) MUST BE APPROVED FOR USE BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORK.

 11. PROPOSED ROCK SOURCE(S) FOR ROCK ARE APPROVED, THE CONTRACTOR SHALL NOT USE MATERIAL FROM ANOTHER SOURCE WITHOUT REPATATION THE ACCEPTANCE AND TEST PROCEDURES TO QUALIFY THE OTHER SOURCES.

 11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING QUARRY CERTIFICATIONS AND PERFORMING QUALITY TESTS ON ALL ROCK ALL RECORDS AND THE PROPERTY OF THE

- REFUSE, OR ADHERENT COATINGS.

 11.2.2. MINIMUM SPECIFIC GRAVITY OF 2.25 (140 PCF).
- 11.2.3. SOUNDNESS 15% MAX LOSS (ASTM C88)
 11.2.4. SUCH CHARACTER THAT IT WILL NOT DISINTEGRATE FROM THE ACTION OF AIR, WATER, OR THE CONDITIONS OF HANDLING
- 11.2.A. SUCH CAPACILLER HAIT HAIL AND USEN LEVAL FROM THE AUTON OF ARL WATER, OF THE CONDITIONS OF PARKLING
 11.2.A. ROUGH WAGLIAR GUARRIED BAZERAL WITH, A SAME THAT SASJUES INTERLOCKING WITH ADJACENT ROCK.
 11.3. ALL ROCK WILL BE SUBJECT TO ON-SITE RANDOM SAMPLING AND TESTING (ROLLDING RANDOM DROP TESTS). ROCK THAT DOES
 NOT CONFORM IN SPECIFIC GRAVITY, STRUCTURE AND OTHER CHARACTERISTIC REQUIREMENTS WILL BE REJECTED. THE
 PRESENCE OF UNASTISFACTORY ROCK OR GIJECTIONABLE FOREIGN MATERIAL IN ANY OF CONTRACTOR PROVIDED ROCK WILL
 BE DEBLED SUFFICIENT REASON FOR REJECTION OF THE ENTIRE LOAD OF ROCK ANY SUCH LOAD OF ROCK ANY
 MEDIATELY BEHAVOUR FROM THE STITE AT THE CONTRACTORS EXPENSE.

 14. ROCK USED FOR THE REVERTIBENT CONSTRUCTIONS BAIL CONFIGER TO THE COLLOWING GRADATION.

PERCENT LESS THAN BY WEIGHT	MASS (LB)	NOMINAL SIZE (FT.)
100	750	1.8
50	475	1.5
0	275	1.2

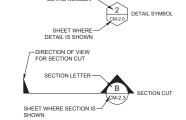
- 11.4.1. THE LEAST DIMENSION OF ANY ROCK SHALL NOT BE LESS THAN ONE-THIRD (1/3) OF THE GREATEST DIMENSION OF THAT ROCK. SQUARE OR FLAT ROCK SHALL NOT BE ACCEPTED. ROCK SIZE SHALL BE TAKEN AS THE AVERAGE OF THE ROCK'S
- MAXIBING GRTH HEAGURED IN EACH OF THREE PERPENDICULA'S ASSESSIBLE RICHAR OF IMPROVED ET PIER MANDER OF MERPLOGE FOR THE MANDER OF MERPLOGE FOR SHALL BE WELL GRODED AND REPRESENT THE RINAGE OF SIZE SPECIFIED.

 11.5. THE TOMMAGE OF ARMOR STONE IN THE BID ASSUMES THAT THERE ARE NO VOIDS. UNLESS CHANGED BY THE ENGINEET. THE BID TOMMAGE OF THE MANDER OF THE PROPERTY OF THE STONE OF THE STONE OF THE PLANS. RECARDLESS OF THE STONE DESIRT, THE FIRM CROSS SECTION MAY VARY FROM THAT SHOWN ON THE PLANS. RECARDLESS OF THE STONE DESIRTS. THE PLANS.

	ABBREVIATIONS
ACI	AMERICAN CONCRETE INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
CONT	CONTINUOUS
CONT'D	CONTINUED
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
KSI	KIPS PER SQUARE INCH
MHW	MEAN HIGH WATER
MIN	MINIMUM
MLW	MEAN LOW WATER
NAVD	NORTH AMERICAN VERTICAL DATUM
NGVD	NATIONAL GEODETIC VERTICAL DATUM
PERA	PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS
PSI	POUNDS PER SQUARE INCH
TYP	TYPICAL
USACE	UNITED STATES ARMY CORPS OF ENGINEERS
W/C	WATER/CEMENT RATIO

SYMBOLS LEGEND

DETAIL NUMBER -



CITY OF HOLLYWOOD TIDA FLOODING MITIGATION AND SHORELINE PROTECTION PROJECT

PROJECT NO. DCM-001187

CITY OF HOLLYWOOD, FL DEPARTMENT OF DESIGN AND CONSTRUCTION MANAGEMENT

2600 HOLLYWOOD BLVD HOLLYWOOD FL. 33020 Hallywood

CUMMINS CEDERBERG COASTAL, MARINE & ENVIRONME 888 S. ANDREWS AVE. STE. 206 FORT LAUDERDALE, FL 33316 FEE: 954-880-1646

SUBCONSULTANTS:

CURTIS + ROGERS ANDSCAPE ARCHITECTURE 440 HOLLYWOOD BLVD. STE. 415

HOLLYWOOD, FL 33021 FEL: 954-610-4412 N|V|5

SECTECHNICAL ENGINEER 200 SOUTH PARK RD. STE. 350 HOLLYWOOD, FL. 33021 FEL: 954-495-2112

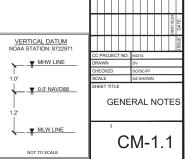
KEITH & ASSOCIATES

CHEN MOORE AND ASSOC

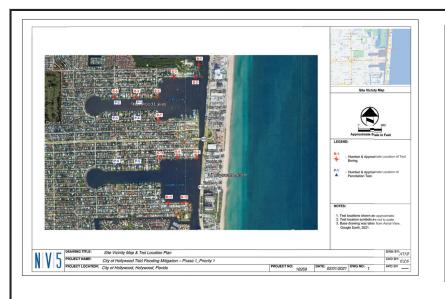
CIVIL ENGINEER 500 W. CYPRESS CREEK RD. STE. 600 FORT LAUDERDALE, FL 33309 TEL: 954-730-0707

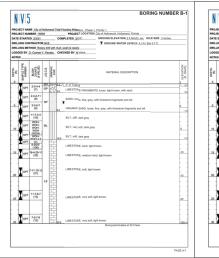
BRIZAGA

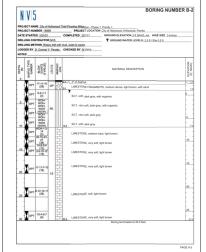
ORDON P CHEIFFT P.F. #72876

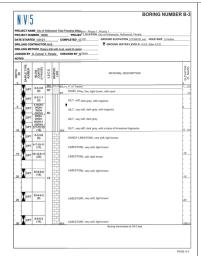


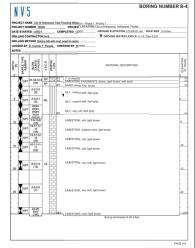
Broward County Page 3 of 19 07/18/2025

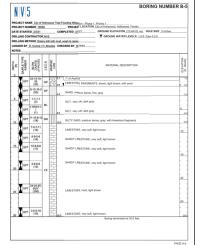












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o DEPTH	SABPLE TYPE NUMBER	BLOW (SYNLUE)	USCS	(RAPHIC LOG	MATERIAL DESCRIPTION	BLEVATION (P. NAVD)
i.	SPT	19-10-9-9	GP	0.0	LIMESTONE FRAGMENTS, medium dense, light brown, with sand	25
	SPT	10-9-3-4	Г	ΪΪ	SSLT, stiff, sark gray, with limestone fragments	0 10
5	SPT	2-1-1-1	M.		Sit, T, very soft, dark gray, with organics	
	SPT	WOH- WOH-9-7 (9)	GP	200	LIMESTORE FRAGMENTS, loose, dark brown, with sand and organics	-36
10	SPT	12-38-42- 39 (80)	G	200	LIMESTORE FRAGMENTS, very dense, dark brown, with sand	7.0
	SPT	40-12-12- 10 (24)	SM	П.	SE TV SAND medium donn folk house with limestone frameats	- 40
	SPT	7-7-18-24 (25)		Ħ	LIMESTONE, soft, light brown	-10
15	X SPT	49-50/4" (100)		H	LIMESTONE, hard, light brown	
20	SPT	11-5-8-8 (14)			LIMESTORE, very soft, light brown	-15
	V	10-11-6-5	LS	¥		20
25	SPT	(17)		Ħ	LIMESTORE, very soft, light brown	
30	SPT	8-10-16-25 (26)		Ξ,	LIMESTORE, soft, light brown Boring terminated at 30.0 feet.	25

CITY OF HOLLYWOOD TIDA FLOODING MITIGATION AND SHORELINE PROTECTION PROJECT

PROJECT NO. DCM-001187

CITY OF HOLLYWOOD, FL DEPARTMENT OF DESIGN AND CONSTRUCTION MANAGEMENT

2600 HOLLYWOOD BLVD



CUMMINS CEDERBERG COASTAL, MARINE & ENVIRONMENTAL 888 S. ANDREWS AVE. STE. 206 FORT LAUDERDALE, FL. 33316 TEL: 954-880-1646 C.O.A. #29062

SUBCONSULTANTS:

CURTIS + ROGERS

LANDSCAPE ARCHITECTURE 3440 HOLLYWOOD BLVD. STE. 415 HOLLYWOOD, FL. 33021 TEL: 954-610-4412

N|V|5

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BRIZAGA

JORDON P CHEIFFT P.F. #72876

											PERMIT DRAWINGS	SUBMISSION / REVISION
											08/07/2024	DATE
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PROJECT NO:					84314							
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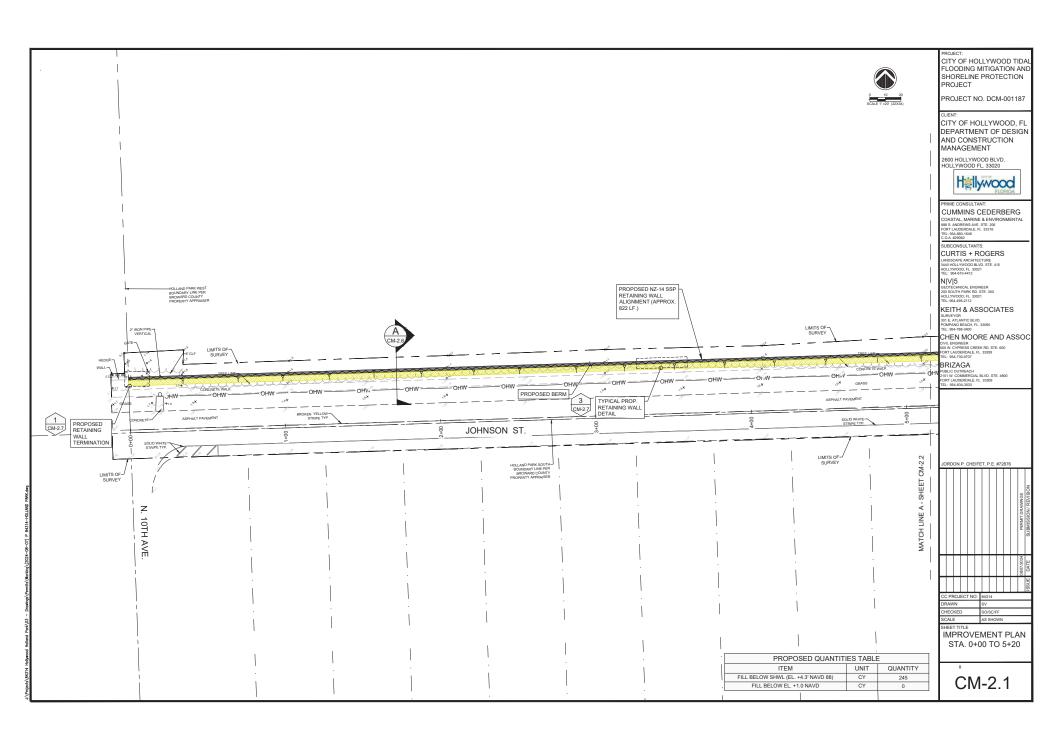
GEOTECHNICAL **BORINGS**

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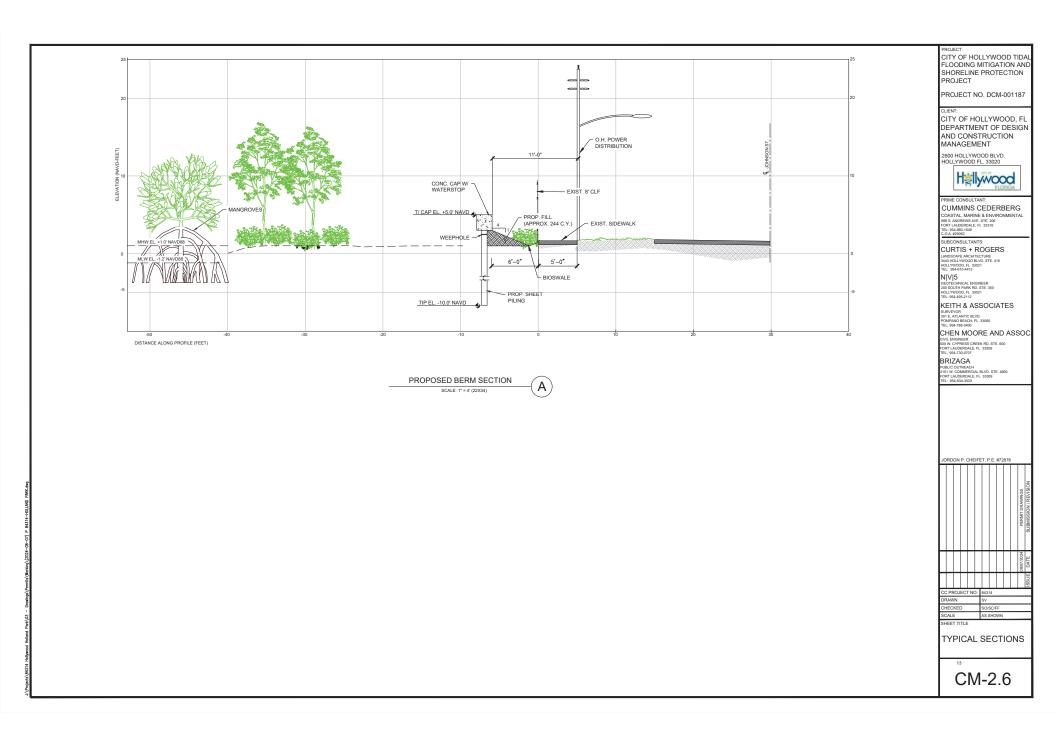


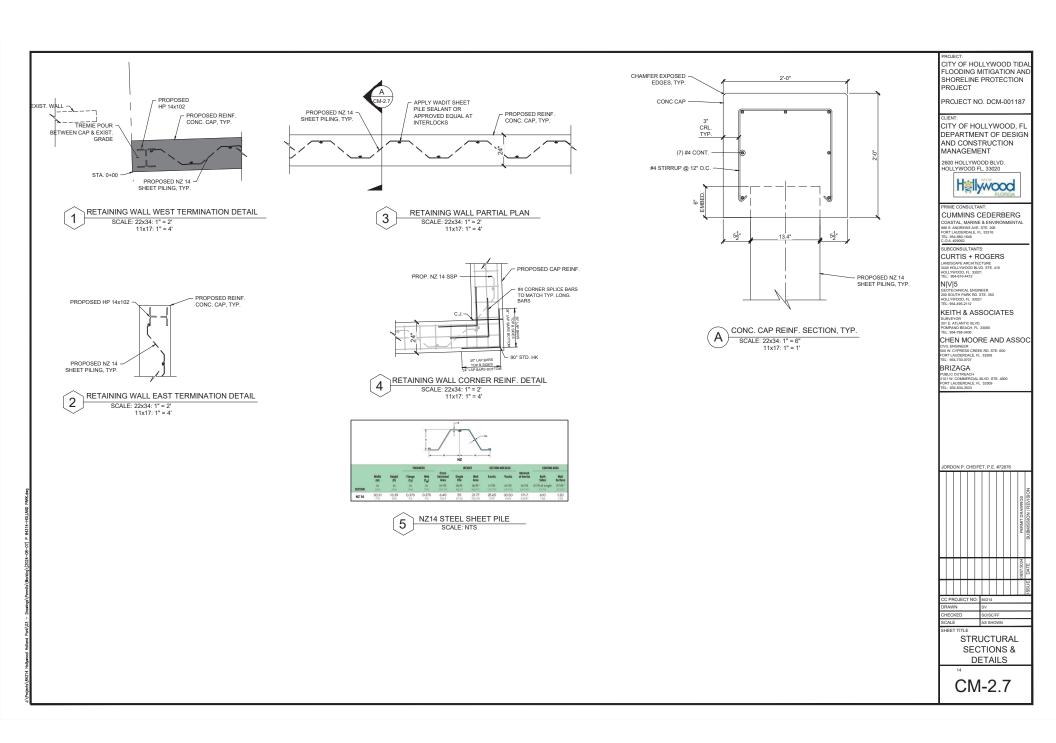










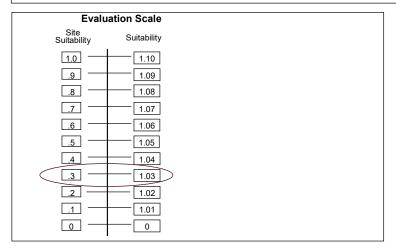


Mitigation Bank Site Suitability Evaluation (MBSE) Matrix

Page 1 of 1

Parameter	Scoring Criteria	Ratings	Score
Adjacent to lands or waters of regional Importance and results in identifiable	State Park, OFW, AP, and including but not limited to Special Waters on at least 1 boundary	0	
ecological benefits to adjacent lands or waters.	Adjacent lands contain no special designation or undesignated special value	1	0
Property is within boundary of an acknowledged state, local or regional acquisition program	Property is within boundary of an acquisition program	1	
	Property is not within boundary of an acquisition program	0	0
Property contains ecological or geological features consistently considered by regional	Property qualifies	1	1
Scientist, or federal and state agencies to be unusual, unique or rare in the region and is of sufficient size	Property does not qualify	0	
Property designated as being of critical state or federal concern and/or contains special designations,	Property contains at least 1 special designation.	1	1
	Property contains no special designations.	0	0
Property important to acknowledged restoration efforts	Property is important.	1	
	Property is not important.	0	0
Ownership and control of the property.	Property is privately owned.	1	
	Property is publicly owned.	0	0
Threatened , Endangered & Species of Special Concern	Documented Presence of Species on site	1	
Presence of animal species (faunal) found on site	No documented Presence of species on site.	0	0
Threatened , Endangered & Listed Species	Documented Presence of Species on site	1	
Presence of plant species (floral) found on site	No documented Presence of species on site.	0	0
Threat of loss or destruction from development activities. (Development Pressure)	High probability of development.	1	1
	Low probability of development.	0	
Extent to which lands are subject to Local, State, and Federal dredge and fill/ ERP Regulations	Property is not regulated.	1	
	Property is regulated.	0	0
	Value Cumulative Score (CS)		3

The Mitigation Bank Site Suitability Evaluation Matrix is designed to provide a quantifiable means of determining the number of mitigation credits that should be assigned to a bank for "value" related parameters. Value related parameters are human values determined to be important to society; and therefore are not measurable in a purely functional analysis. Functional analysis will only measure the degree of functional ecological improvement (degree of ecological improvement) resulting from mitigation activities. The SS Evaluation measures and provides credit for societal values that separate one mitigation bank from another as required by Ch. 62-342 .470 (a) (b) (e) (f) (g) (h) (i) F.A.C.. The SS evaluation is not to be utilized in conjunction with a functional analysis methodology which also utilizes value related parameters in its analysis.



Site Suitability Matrix							
Maximum Possible Score (MPS)	10						
Cumulative Score (CS)	3						

0.3

EPA, USACOE, USF & W, FDEP, NMFS, SFWMD, Dade DERM, FPL, CH 3-Apr-96

After Calculating the Site Suitability Score determine the Site Suitability Multiplier by utilizing the Evaluation Scale to the left. The Site Suitability Multiplier is to be multiplied times the number of the Functional Mitigation Credits, resulting from the (W.A.T.E.R.) Functional Assessment of the Mitigation Bank, to determine the number of Site Suitability Credits to be assigned to the Mitigation Bank.

Scoring conducted by:Cummins Cederberg

Data collected on

Mitigation Bank Wetland Function Evaluation & Impact Site Evaluation Matrix

Based on WBI, WQI, WRAP, HGM and 4th Priority Project List (PPL) with technical advise from EPA, FDEP, ACOE, NMFS, USF & W, SFWMD & Miami-Dade County (W.A.T.E.R. created by: Bill L. Maus)

217,122,71002,111110,001 411,01111112 4 111411112	are county (**: :: :: :: created by: biii b: made)				
			Site 2 MG	Site 9 10 17 19 MG	Site 10 SG
Parameter/ Function	Scoring Criteria	Ratings	0.105 AC (4,552 SF) impact	Total Mangrove Impacts= 0.10 (4,542.3 SF) Impact above MHWL = 0.079 AC (3,440.8 SF) Impact below MHWL = 0.025 AC (1,101.5 SF)	0.0004 AC (17.6 SF) impact
1. Fish & Wildlife Functions Apply to freshwater, sa	ltwater, brackish and mitigation systems				
	7 or more species commonly observed	3			
a. Waterfowl, wading birds, wetland dependent, or aquatic	3-6 species commonly observed	2			
birds of prey.	1-2 species commonly observed	1	1	1	
(Mit. Bank - High specie count w/ low pop. #'s score 1	0 species commonly observed	0			0
	7 or more species commonly observed	3			
b. Fish	3-6 species commonly observed	2			
(Mit. Bank - High specie count w/ low pop. #'s score 1	1-2 species commonly observed	1			1
Restoration that causes 12% pop. Increases-higher score)	0 species commonly observed	0	0	0	
	Top predator (carnivore) &/or large mammals	3			
c. Mammals	Medium sized mammals , (adult weight > 6 ibs.)	2			N/A
(Mit. Bank - High specie count w/ low pop. #'s score 1	Small animals (rodents, etc.) , (adult weight < 6 lbs.)	1	1		IVA
Restoration that causes 12% pop. Increases-higher score)	0 species present	0		0	
	7 or more species commonly observed	3			
d. Aquatic macroinvertebrates, amphibians	3-6 species commonly observed	2			
(Mit. Bank - High specie count w/ low pop. #s score 1	1-2 species commonly observed	1	1	1	1
Restoration that causes 12% pop. Increases-higher score)	0 species commonly observed	0			
	Large species observed	3			
e. Aquatic reptiles	Aquatic turtles	2			N/A
(Mit. Bank - High specie count w/ low pop. #'s score 1	Snakes & lizards	1	1	1	IW/A
Restoration that causes 12% pop. Increases-higher score)	No evidence of species present	0			

Scoring conducted by:Cummins Cederberg

Data collected on

Mitigation Bank Wetland Function Evaluation & Impact Site Evaluation Matrix

Based on WBI, WQI, WRAP, HGM and 4th Priority Project List (PPL) with technical advise from EPA, FDEP, ACOE, NMFS, USF & W, SFWMD & Miami-Dade County (W.A.T.E.R. created by: Bill L. Maus)

			Site 2 MG	Site 9 10 17 19 MG	Site 10 SG
Parameter/ Function	Scoring Criteria	Ratings	0.105 AC (4,552 SF) impact	Total Mangrove Impacts= 0.10 (4,542.3 SF) Impact above MHWL = 0.079 AC (3,440.8 SF) Impact below MHWL = 0.025 AC (1,101.5 SF)	0.0004 AC (17.6 SF) impact
2. Vegetative Functions Apply to freshwater, saltwa	ter, brackish and mitigation systems				
	Desirable trees/shrub healthy & providing appropriate habitat (seedlings	3			
a. Overstory/shrub canopy	present) & no inappropriate species Desirable trees/shrubs exhibit signs of stress (no seedlings) few inappropriate species present	2			N/A
	Inappropriate trees/shrubs shading or overcoming desirable tree/shrubs Very little or no desirable tree/shrubs present (evidence suggests there	1	1	1	
	should be)	0			
	Assessment area exhibits <2% inappropriate herbaceous ground cover for specific wetland systems and groundcover is present Assessment area contains >2% but <30% inappropriate herbaceous	3			
b. Vegetative ground cover	groundcover, or lack of groundcover >2% but < 30% Assessment area contains >30% to <70% inappropriate herbaceous groundcover, or lack of ground cover >30% to <70%	1		N/A	N/A
	Assessment area >70% inappropriate herbaceous groundcover or lack of groundcover >70%	0	0		
	Periphyton (Blue-green algae) present with average mat thickness >1 1/4 in. (measure active & dead layer)	3			
c. Periphyton mat coverage	Periphyton (Blue-green algae) present with average mat thickness between 3/4 in. to 1 1/4 in. (active & dead layer)	2			
	Periphyton (Blue-green algae) present with average mat thickness between 1/4 in. to 3/4 in. (active & dead layer)	1			
	Periphyton (Blue-green algae) not present or if pressent with average thickness of 0.0 to 1/4 in. (active & dead layer)	0	0	0	0
	< (or = to) 1 % exotic plant cover	3			
d. Category 1 and Category 2 exotic plants or (non-native)	>1 % to 10 % exotic plant cover	2			N/A
species	>10 % to 65 % exotic plant cover	1	1	1	14/7 (
	> 65 % exotic plant cover	0			
	>3 native species communities on site within assessment area	3			
e. Habitat diversity (vegetative)	2 or 3 native specie communities on site within assessment area	2			
(within assessment area)	1 native species community with 75 % to 90 % coverage within assessment area	1	1	1	1
	1 native species community has > 90 % coverage within assessment area	0			
	> 3 alternative habitats available (including upland)	3			
f. Biological diversity within 3000 feet	2 to 3 alternative habitats	2			
(approximately 1/2 mile from edge of assessment area)	1 alternative habitat	1		1	1
	Same habitat type, or inappropriate / impacted	0	0		

Scoring conducted by:Cummins Cederberg

Data collected on

Mitigation Bank Wetland Function Evaluation & Impact Site Evaluation Matrix

Based on WBI, WQI, WRAP, HGM and 4th Priority Project List (PPL) with technical advise from EPA, FDEP, ACOE, NMFS, USF & W, SFWMD & Miami-Dade County (W.A.T.E.R. created by: Bill L. Maus)

			Site 2 MG	Site 9 10 17 19 MG	Site 10 SG
Parameter/ Function	Scoring Criteria	Ratings	0.105 AC (4,552 SF) impact	Total Mangrove Impacts= 0.10 (4,542.3 SF) Impact above MHWL = 0.079 AC (3,440.8 SF) Impact below MHWL = 0.025 AC (1,101.5 SF)	0.0004 AC (17.6 SF) impact
3. Hydrologic Functions					
on type or ogio i unoucho	Major connection (Flowing water/ river or floodplain/ uniform flow through	3			
	natural systems) Moderate connection (Natural restriction of flow or Flowing water due to				
Surface water hydrology / sheet flow Apply to freshwater, saltwater, brackish and mitigation systems	hydrologic engineering)	2			2
Apply to freshwater, saltwater, brackish and miligation systems	Minor connection (Runoff collection point, or uneven flow due to berms, ditches, roadways etc.)	1	1	1	
	Hydrologically isolated, no net lateral movement	0			
	> 8 months inundated with no reversals & every year drydown	3			
	>5 months < 8 months or >5 years continuous inundation (look for	2			
b. Hydroperiod (normal year) fresh systems	strong water stains on persistent vegetation)	2	N/A	N/A	N/A
	>1 month < 5 months, with possible reversals (look for soft or less distinct water stains on persistent vegetation)	1		1477.1	14/71
	< 4 weeks cumulative annual inundation or < 2 weeks continuous inundation	0			
	>10 weeks of continuous inundation including soil saturation	3			
	> 6 weeks but <10 weeks of continuous inundation including soil		1		
b-1 Alternate to b. for	saturation	2	N/A	N/A	N/A
Short Hydroperiod (normal year) fresh systems:	>2 weeks but <6 weeks of inudation, including soil saturation	1	N/A	N/A	N/A
	<2 weeks of continuos inundation	0			
	Inundated by >90% high tides	3			
b-2 Alternate to b. for	Inundated by "spring" high tides (bi-monthly)	2			NUA
Saltwater, brackish (tidal) systems	Inundated by "extreme high" tides only (biannually)	1	1	1	N/A
, , , ,	Inundated by storm surges only	0			
	Inundated by high "spring" tides (monthly) and flushed by fresh water sheetflow every 10 days average	3			
b-3 Alternate to b. for	Inundated by high "spring" tides (monthly) and flushed by fresh water sheetflow every 30 days on the average	2	N/A	N/A	N/A
High Marsh (Juncus-Distichlis)	Inundated by high "spring" tides (monthly)and exposed to rain only	1			
ו ווקודו ואומו פור (שנווכנוט-טופונכוווופ)	Inundated by Fight spring lides (monthly)and exposed to rain only	0			
	Inundated by Footh high tides (daily) and/or recieves and maintains fresh				
	water at least into first half of dry season Inundated by high tides (daily) and/or recieves and maintains fresh	3			
b-4 Alternate to b. for	water during rainy season only	2	N/A	N/A	N/A
Riverine systems	Inundated by high tides (daily) and/or recieves fresh water but does not maintain (reversal) during rainy season	1	IVA	II/A	11/7
	Inundated by spring tides (bi-monthly) and/or experiences frequent reversals of fresh water (flashy)	0			

Scoring conducted by:Cummins Cederberg

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Parameter/ Function		Ratings	Site 2 MG	Site 9 10 17 19 MG	Site 10 SG
	Scoring Criteria		0.105 AC (4,552 SF) impact	Total Mangrove Impacts= 0.10 (4,542.3 SF) Impact above MHWL = 0.079 AC (3,440.8 SF) Impact below MHWL = 0.025 AC (1,101.5 SF)	0.0004 AC (17.6 SF) impact
3. Hydrologic Functions continued					
c. Hydropattern (fresh system)	>1 ft. water depth for at least 2.5 months and <6 in. for >1 month (measure water mark/ lichen line), or water depth ideal for specific wetland system.	3	N/A N/A		N/A
	>6 in to 1 ft. for at least 2.5 months (measure water mark/ lichen line) or water depth borderline over or under for specific wetland system	2		N/A	
	<6 in. for at least 2.5 months (measure water mark/ lichen line) or water depth incorrect for specific wetland system	1			
	<6 in. in association with either canals, ditches, swales, culverts, pumps, and/or wellfields, or these factors cause water depth to be too deep for specific system.	0			
	>1 ft. water depth <2 ft. on 90% high tides	3	1 0		
c-1 Alternate to c. for	> 6 in. water depth <1 ft. on >50% high tides	2		1	N/A
Saltwater, brackish (tidal) systems	< 6 in. water depth , but > than saturated	1			
	Saturated by saline water table only	0			
	>10 in. water depth <2 ft. on regular basis during growing season	3	N/A N/A		
c-2 Alternate to c. for	>5 in. to 10in. water depth on regular basis during growing season	2		NIZA	NIZA
High Marsh (Juncus-Distichlis)	>1 in. to 5 in. water depth on regular basis during growing season	1		N/A	
	>0.0 in. to 1 in. water depth sporadically during growing season	0			
	>2 ft. water depth (main channel) <6 ft. for 8 months	3			
c-3 Alternate to c. for Riverine systems	>2 ft. water depth (main channel) <4 ft. for 6 months	2	N/A N/A	N/A	N/A
	>1 ft. water depth (main channel) <2.5 ft. for 4 months	1	N/A	N/A	N/A
	<1 ft. water depth, but dry for >4 weeks (dry season)	0			

Scoring conducted by:Cummins Cederberg

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			Site 2 MG	Site 9 10 17 19 MG	Site 10 SG
Parameter/ Function	Scoring Criteria	Ratings	0.105 AC (4,552 SF) impact	Total Mangrove Impacts= 0.10 (4,542.3 SF) Impact above MHWL = 0.079 AC (3,440.8 SF) Impact below MHWL = 0.025 AC (1,101.5 SF)	0.0004 AC (17.6 SF) impact
3. Hydrologic Functions continued				,	
-	No indication of poor water quality (lab testing required, all values within acceptable range)	3		N/A	
d. Water Quality	No visual indicators of poor water quality observed (1 value just over or under acceptable range)	2	N/A		
	Visual indicators of poor water quality questionable (2 values over or under acceptable range)	1	IN/A		1
	Visual indicators of poor water quality observed or lab verified (values are out of acceptable range)	0	-		·
	Unaltered	3			
e. Intactness of historic topography (soil disturbance)	Slightly altered soil disturbance, < 10% of assessment area	2			
	Moderately altered soil disturbance, < 25% of assessment area	1			
	Extremely altered soil disturbance, may exceed 50% of assessment area	0	0	0	0
	Organic soil classified hydric soil >12 in. or any thickness over bedrock/caprock with perched water table and either condition covering >90% of surface area	3		N/A N/A	
f. Soils, organic (fresh systems)	Organic soil classified hydric soil >6 in. but <12 in. and covering >90% of surface area	2	N/A		N/A
	Organic soil classified hydric soil >1 in. but <6 in. and covering >50% but <90% of surface area	1			
	Organic soil classified non-hydric soil <1 in. for >50% of surface area	0			
	Sandy soil classified hydric soil with distinct mottling and concretions present in greater than 40% of horizon.	3	N/A N/A	N/A	
f-1 Alternate to f. for	Sandy soil classified hydric soil with mottling and concretions present in > 20% but < 40% of horizon.	2			
Freshwater, saltwater systems	Sandy soil classified hydric soil with light or sparse mottling and concretions < 2 mm diameter or < 20% of horizon.	1		N/A	N/A
	Sandy soil exhibits strong evidence of disturbance or mechanical manipulations or is fill material.	0			
f-2 Alternate to f. for Freshwater, saltwater, brackish (tidal) systems	Calcareous loam >12 in. and >90 % of surface area	3			
	Calcareous loam >6 in. to <12 in. and >90% of surface area	2	N/A	N/A	N/A
	Calcareous loam >1 in. to <6 in. and covering >50% but <90% of surface area	1	N/A N/A	N/A	
	Calcareous loam <1 in. for >50% of surface area	0			

Scoring conducted by:Cummins Cederberg

Mitigation Bank Wetland Function Evaluation & Impact Site Evaluation Matrix

Based on WBI, WQI, WRAP, HGM and 4th Priority Project List (PPL) with technical advise from EPA, FDEP, ACOE, NMFS, USF & W, SFWMD & Miami-Dade County (W.A.T.E.R. created by: Bill L. Maus)

Data collected on Wetland Delineation 12/5/2023, Agency Site Visit 3/22/2023

			Site 2 MG	Site 9 10 17 19 MG	Site 10 SG
Parameter/ Function	Scoring Criteria	Ratings	0.105 AC (4,552 SF) impact	Total Mangrove Impacts= 0.10 (4,542.3 SF) Impact above MHWL = 0.079 AC (3,440.8 SF) Impact below MHWL = 0.025 AC (1,101.5 SF)	0.0004 AC (17.6 SF) impact
4. Salinity Parameters Apply to freshwater, saltwater,	brackish, hypersaline and mitigation systems - Choose	1			
	<2 parts per thousand (ppt)	3			
a. Optimum salinity for fresh systems during growing	2 to 3 parts per thousand (ppt)	2	NI/A	NI/A	NI/A
season based on mean high salinity for a normal year.	4 to 5 parts per thousand (ppt)	1	N/A	N/A	N/A
Apply to freshwater systems within 5 miles of the coast	>5 parts per thousand (ppt)	0			
a-1. Alternate to a.	6 to 8 parts per thousand (ppt)	3			
Optimum salinity for brackish systems during growing	9 to 13 parts per thousand (ppt)	2			21/2
season based on mean high salinity for a normal year.	14 to 16 parts per thousand (ppt)	1	N/A	N/A	N/A
Apply to brackish (tidal) systems only	>16 parts per thousand (ppt)	0			
a-2. Alternate to a.	17 to 19 parts per thousand (ppt)	3			N/A
Optimum salinity for saline systems during growing	20 to 22 parts per thousand (ppt)	2	A1/A	51/A	
season based on mean high salinity for a normal year.	23 to 25 parts per thousand (ppt)	1	- N/A	N/A	
Apply to saline marsh (tidal) systems only	>25 parts per thousand (ppt)	0			
a-3. Alternate to a.	26 to 41 parts per thousand (ppt)	3	N/A N/A		
Optimum salinity for hypersaline systems during growing	42 to 46 parts per thousand (ppt)	2		NI/A	N/A
season based on mean high salinity for a normal year.	47 to 51 parts per thousand (ppt)	1		N/A	N/A
Apply to hypersaline (tidal) systems only	>51 parts per thousand (ppt)	0			
a-4 Alternate to a.	bottom (lower) third between 12 to 25 ppt	3			
Optimum salinity for riverine/tidal creek system during	middle third between 5 to 11 ppt.				
growing season based on mean high slainity for a normal	upper (top) third betweem 0 to 4 ppt.				
year.	bottom (lower) third between 25 to 32 ppt	2			
Apply to riverine systems only	middle third between 6 to 24 ppt.				
	upper (top) third betweem 0 to 5 ppt.		NI/A	NI/A	NI/A
	bottom (lower) third between 30 to 40 ppt	1	N/A	N/A	N/A
	middle third between 8 to 29 ppt.				
	upper (top) third betweem 0 to 7 ppt.				
	bottom (lower) third between 35 to 50 ppt	0			
	middle third between 10 to 34 ppt.				
	upper (top) third betweem 0 to 9 ppt.				
		Cumulative Score (SC)	9	10	7
W.A.T.E.R. created by: Bill L. Maus		Possible Score (MPS)	45.00	42.00	27.00
11/1/1998	W.A.T.E.R. = Cumulative Score/Ma	ximum Possible Score	0.20	0.24	0.26



June 2, 2025

City of Hollywood George R. Keller, Jr., City Manager P.O. Box 229045 Hollywood, FL 33022

Re: Everglades Mitigation Bank Credit Reservation:

Anticipated Permit from the following:

ACOE, Application No. SAJ-2024-02796 SFWMD, Application No. 240802-45012 BCEPGMD, Application number DF23-1297

Please be advised that the Everglades Mitigation Bank (the "EMB") has reserved 0.04 Joint Saltwater mitigation credits necessary to offset the unavoidable wetland impact for the above referenced project. Phase I of the EMB has a signed Mitigation Banking Instrument acknowledged by both FDEP and USACE and sufficient credits are currently available on the EMB ledger to offset the proposed impacts. The EMB acknowledges receiving payment in full for the above referenced credits.

Please contact me at 561-691-7060 for any additional information or questions regarding this matter.

Regards,

Brian Yates Everglades Mitigation Bank