



Resilient Environment Department

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.

Broward County Board of County Commissioner

Mark D. Bogen • Alexandra P. Davis • Lamar P. Fisher • Beam Furr • Steve Geller • Robert McKinzie • Nan H. Rich • Hazelle P. Rogers • Michael Udine
www.broward.org

License No. DF23-1297

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

GENERAL CONDITIONS:

1. 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

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 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 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].
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

1. 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.
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.

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

1. 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)

1. 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
LINDA SUNDERLAND, PWS
ENVIRONMENTAL PROGRAM SUPERVISOR
ENVIRONMENTAL PERMITTING DIVISION

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.

(l) 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.

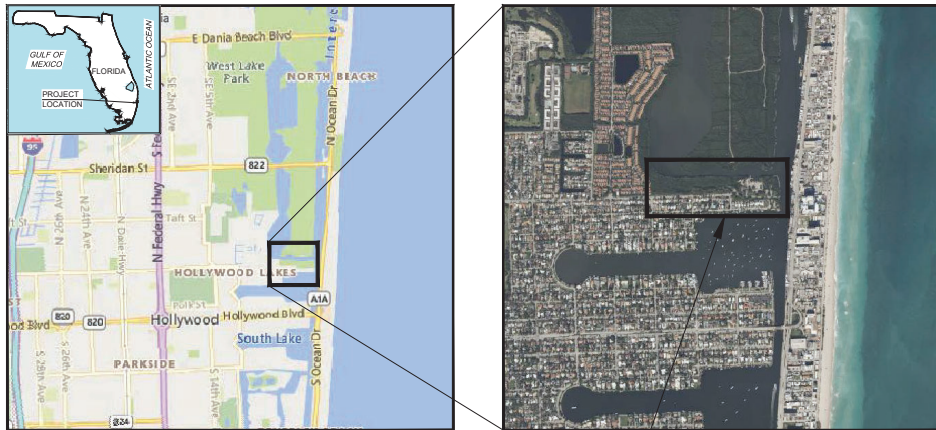
(Ord. No. 2003-34, § 1, 9-23-03; Ord. No. 2005-08, § 2.03, 4-26-05)
Secs. 27-15--27-19. Reserved.

CITY OF HOLLYWOOD FLORIDA

TIDAL FLOODING MITIGATION AND SHORELINE PROTECTION PROJECT

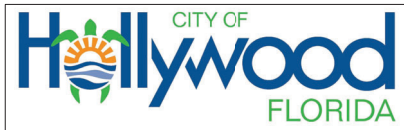
HOLLAND PARK, 801 JOHNSON ST., HOLLYWOOD, FL 33019

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:



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



NIV5
GEOTECHNICAL ENGINEER
200 SOUTH PARK RD. STE. 350
HOLLYWOOD, FL 33021
TEL: 954-495-2112



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



CHEN MOORE AND ASSOCIATES
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

NOT FOR CONSTRUCTION

PERMIT DRAWINGS
FOR REGULATORY REVIEW
08/07/2024




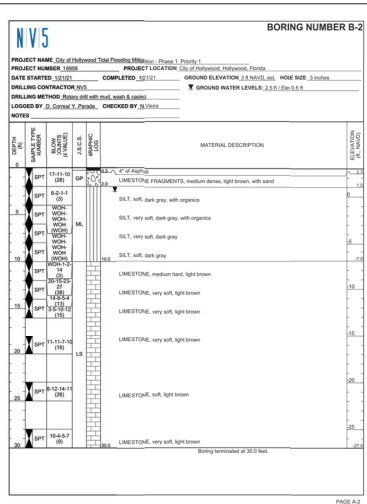
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ALWAYS CALL 811
BEFORE YOU DIG

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	DRAWING TITLE: <i>Site Vicinity Map & Test Location Plan</i>				DWN BY: <i>JYD/J</i>	
	PROJECT NAME: <i>City of Hollywood Tidal Flooding Mitigation - Phase 1_Priority 1</i>				CKD BY: <i>625</i>	
	PROJECT LOCATION: <i>City of Hollywood, Hollywood, Florida</i>			PROJECT NO: <i>16059</i>	DATE: <i>02/01/2021</i>	APD BY: <i>_____</i>
DWG NO: <i>1</i>						



PROJECT:
CITY OF HOLLYWOOD TIDAL
FLOODING MITIGATION AND
SHORELINE PROTECTION
PROJECT
PROJECT NO. DCM-001187

CLIENT:
CITY OF HOLLYWOOD, FL
DEPARTMENT OF DESIGN
AND CONSTRUCTION
MANAGEMENT

2600 HOLLYWOOD BLVD.
HOLLYWOOD FL 33020



PRIME CONSULTANT:
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C.O.A. #29062

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JORDON P. CHEIFET, P.E. #72876

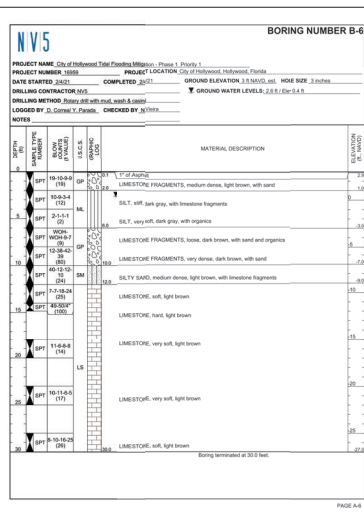
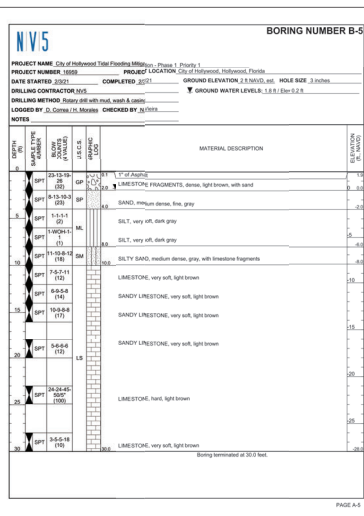
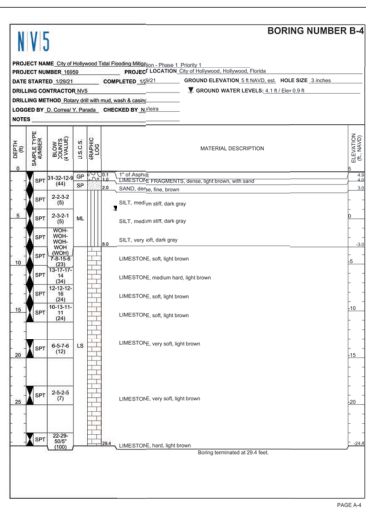
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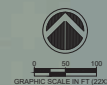
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GEOTECHNICAL BORINGS

4

CM-1.2





PROJECT:
CITY OF HOLLYWOOD TIDAL
FLOODING MITIGATION AND
SHORELINE PROTECTION
PROJECT

PROJECT NO. DCM-001187

CLIENT:
CITY OF HOLLYWOOD, FL
DEPARTMENT OF DESIGN
AND CONSTRUCTION
MANAGEMENT

2600 HOLLYWOOD BLVD.
HOLLYWOOD FL. 33020



PRIME CONSULTANT:
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FORT LAUDERDALE, FL 33316
TEL: 954-880-1646
C.O.A. #20062

SUBCONSULTANTS:
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HOLLYWOOD, FL 33021
TEL: 954-610-4412

N|V|5
GEOTECHNICAL ENGINEER
200 SOUTH PARK RD. STE. 350
HOLLYWOOD, FL 33021

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

CHEN MOORE AND ASSOC
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500 W. CYPRESS CREEK RD. STE. 600
FORT LAUDERDALE, FL 33309

BRIZAGA
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FORT LAUDERDALE, FL 33309
TEL: 954-834-3533

JORDON P. CHEIFET, P.E. #72876

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CC PROJECT NO:	84314
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DRAWN	SV
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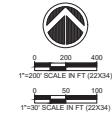
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SCALE	AS SHOWN
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SHEET TITLE

EXISTING
CONDITIONS PLAN

CM-1.3



PROJECT NO. DCM-001187

CLIENT:
CITY OF HOLLYWOOD, FL
DEPARTMENT OF DESIGN
AND CONSTRUCTION
MANAGEMENT

2600 HOLLYWOOD BLVD.
HOLLYWOOD FL. 33020



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

SUBCONSULTANTS:
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N|V|5
GEOTECHNICAL ENGINEER
 200 SOUTH PARK RD. STE. 350
 HOLLYWOOD, FL 33021
 (954) 944-1111

KEITH & ASSOCIATES
SURVEYOR
301 E. ATLANTIC BLVD.
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FORT LAUDERDALE, FL 33309

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

JORDON P. CHEIFET, P.E. #72876

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CC PROJECT NO:	84314
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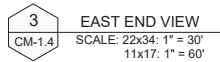
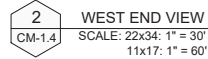
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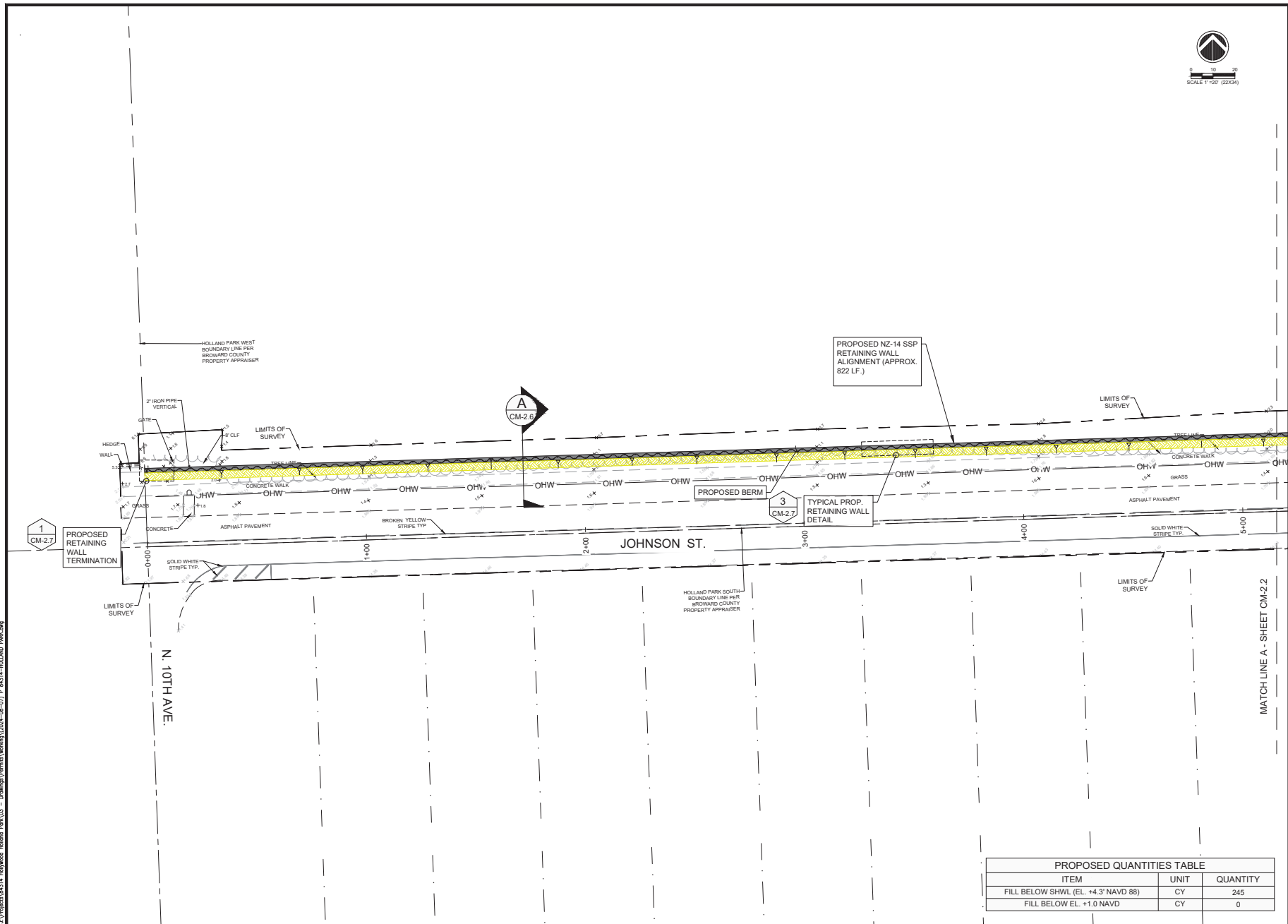
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LEGEND	
---	TOE OF SLOPE
	MANGROVE HABITAT POINT
	INVASIVE/UPLAND
	MANGROVE HABITAT AREA
	MANGROVE IMPACTED AREA (4,552 SF)
	CONSERVATION EASEMENT

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PROJECT:
CITY OF HOLLYWOOD TIDAL
FLOODING MITIGATION AND
SHORELINE PROTECTION
PROJECT

PROJECT NO. DCM-001187

CLIENT:
CITY OF HOLLYWOOD, FL
DEPARTMENT OF DESIGN
AND CONSTRUCTION
MANAGEMENT

2600 HOLLYWOOD BLVD.
HOLLYWOOD FL 33020



PRIME CONSULTANT:
CUMMINS CEDERBERG
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FORT LAUDERDALE, FL 33316
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FORT LAUDERDALE, FL 33309
TEL: 954-834-3533

JORDON P. CHEIFET, P.E. #72876

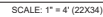
DATE	ISSUE	REVISION
01/07/2024	1	PERMIT DRAWINGS

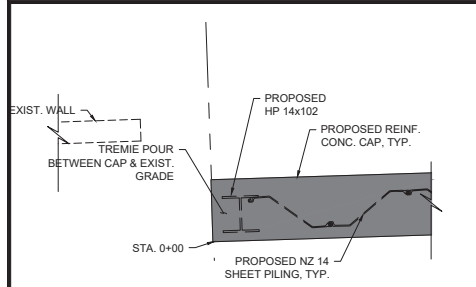
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SCALE	AS SHOWN

SHEET TITLE
IMPROVEMENT PLAN
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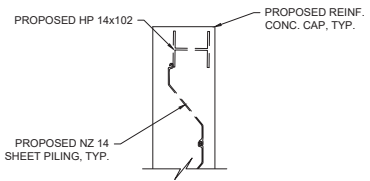
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CM-2.1

PROPOSED QUANTITIES TABLE		
ITEM	UNIT	QUANTITY
FILL BELOW SHWL (EL. +4.3' NAVD 88)	CY	245
FILL BELOW EL. +1.0 NAVD	CY	0

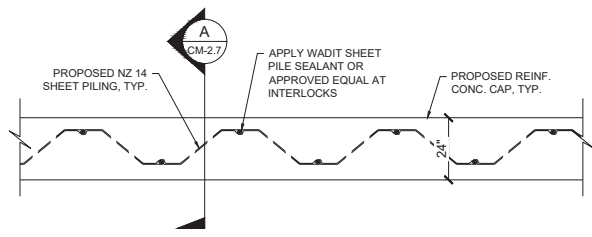




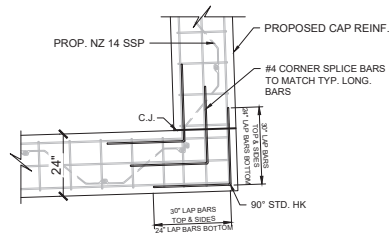
1 RETAINING WALL WEST TERMINATION DETAIL
SCALE: 22x34: 1" = 2'
11x17: 1" = 4'



2 RETAINING WALL EAST TERMINATION DETAIL
SCALE: 22x34: 1" = 2'
11x17: 1" = 4'



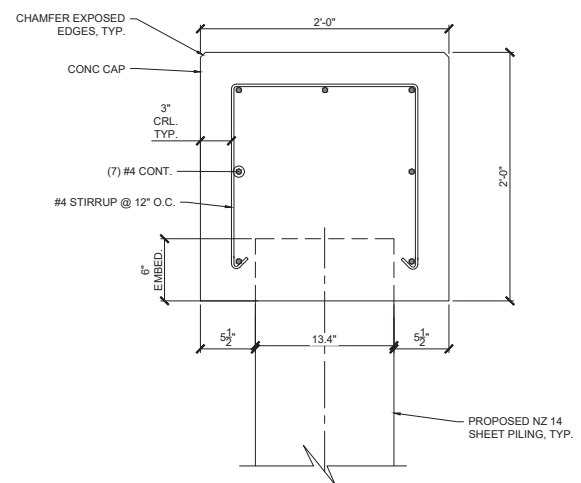
3 RETAINING WALL PARTIAL PLAN
SCALE: 22x34: 1" = 2'
11x17: 1" = 4'



4 RETAINING WALL CORNER REINF. DETAIL
SCALE: 22x34: 1" = 2'
11x17: 1" = 4'

SECTION	THICKNESS			WEIGHT			SECTION MODULUS			COATING AREA		
	Width in	Height in	Flange in	Web in	Area sq in	Weight lb/ft	Area sq in	Weight lb/ft	Area sq in	Weight lb/ft	Area sq in	Weight lb/ft
NZ 14	30.31	13.39	0.375	0.375	6.40	55	21.77	25.65	30.50	171.7	610	120

5 NZ14 STEEL SHEET PILE
SCALE: NTS



A CONC. CAP REINF. SECTION, TYP.
SCALE: 22x34: 1" = 6"
11x17: 1" = 1'

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JORDON P. CHEIFET, P.E. #72876	

CC PROJECT NO: 84314
DRAWN: SV
CHECKED: SO/SC/FF
SCALE: AS SHOWN

SHEET TITLE
**STRUCTURAL
SECTIONS &
DETAILS**

14
CM-2.7

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Mitigation Bank Site Suitability Evaluation (MBSE) Matrix

Parameters			
Parameter	Scoring Criteria	Ratings	Score
1. Adjacent to lands or waters of regional Importance and results in identifiable ecological benefits to adjacent lands or waters.	State Park, OFW, AP, and including but not limited to Special Waters on at least 1 boundary	0	0
	Adjacent lands contain no special designation or undesignated special value	1	
2. Property is within boundary of an acknowledged state, local or regional acquisition program	Property is within boundary of an acquisition program	1	0
	Property is not within boundary of an acquisition program	0	
3. Property contains ecological or geological features consistently considered by regional Scientist, or federal and state agencies to be unusual, unique or rare in the region and is of sufficient size	Property qualifies	1	1
	Property does not qualify	0	
4. 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	
5. Property important to acknowledged restoration efforts	Property is important.	1	0
	Property is not important.	0	
6. Ownership and control of the property.	Property is privately owned.	1	0
	Property is publicly owned.	0	
7. Threatened, Endangered & Species of Special Concern Presence of animal species (faunal) found on site	Documented Presence of Species on site	1	0
	No documented Presence of species on site.	0	
8. Threatened, Endangered & Listed Species Presence of plant species (floral) found on site	Documented Presence of Species on site	1	0
	No documented Presence of species on site.	0	
9. Threat of loss or destruction from development activities. (Development Pressure)	High probability of development.	1	1
	Low probability of development.	0	
10. Extent to which lands are subject to Local, State, and Federal dredge and fill/ ERP Regulations	Property is not regulated.	1	0
	Property is regulated.	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.

Evaluation Scale

Site Suitability	Suitability
1.0	1.10
.9	1.09
.8	1.08
.7	1.07
.6	1.06
.5	1.05
.4	1.04
.3	1.03
.2	1.02
.1	1.01
0	0

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.

W.A.T.E.R. - Wetland Assessment Technique for Environmental Reviews

Scoring conducted by: Cummins Cederberg

Mitigation Bank Wetland Function Evaluation & Impact Site Evaluation Matrix

Data collected on

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

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)

Parameter/ Function	Scoring Criteria	Ratings	Site 2 MG	Site 9 10 17 19 MG	Site 10 SG
			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, saltwater, brackish and mitigation systems					
a. Waterfowl, wading birds, wetland dependent, or aquatic birds of prey. (Mit. Bank - High specie count w/ low pop. #'s score 1	7 or more species commonly observed	3	1	1	0
	3-6 species commonly observed	2			
	1-2 species commonly observed	1			
	0 species commonly observed	0			
b. Fish (Mit. Bank - High specie count w/ low pop. #'s score 1 Restoration that causes 12% pop. Increases-higher score)	7 or more species commonly observed	3	0	0	1
	3-6 species commonly observed	2			
	1-2 species commonly observed	1			
	0 species commonly observed	0			
c. Mammals (Mit. Bank - High specie count w/ low pop. #'s score 1 Restoration that causes 12% pop. Increases-higher score)	Top predator (carnivore) &/or large mammals	3	1	0	N/A
	Medium sized mammals , (adult weight > 6 lbs.)	2			
	Small animals (rodents, etc.) , (adult weight < 6 lbs.)	1			
	0 species present	0			
d. Aquatic macroinvertebrates, amphibians (Mit. Bank - High specie count w/ low pop. #'s score 1 Restoration that causes 12% pop. Increases-higher score)	7 or more species commonly observed	3	1	1	1
	3-6 species commonly observed	2			
	1-2 species commonly observed	1			
	0 species commonly observed	0			
e. Aquatic reptiles (Mit. Bank - High specie count w/ low pop. #'s score 1 Restoration that causes 12% pop. Increases-higher score)	Large species observed	3	1	1	N/A
	Aquatic turtles	2			
	Snakes & lizards	1			
	No evidence of species present	0			

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2. Vegetative Functions Apply to freshwater, saltwater, brackish and mitigation systems					
a. Overstory/shrub canopy	Desirable trees/shrub healthy & providing appropriate habitat (seedlings present) & no inappropriate species	3	1	1	N/A
	Desirable trees/shrubs exhibit signs of stress (no seedlings) few inappropriate species present	2			
	Inappropriate trees/shrubs shading or overcoming desirable tree/shrubs	1			
	Very little or no desirable tree/shrubs present (evidence suggests there should be)	0			
b. Vegetative ground cover	Assessment area exhibits <2% inappropriate herbaceous ground cover for specific wetland systems and groundcover is present	3	0	N/A	N/A
	Assessment area contains >2% but <30% inappropriate herbaceous groundcover, or lack of groundcover >2% but < 30%	2			
	Assessment area contains >30% to <70% inappropriate herbaceous groundcover, or lack of ground cover >30% to <70%	1			
	Assessment area >70% inappropriate herbaceous groundcover or lack of groundcover >70%	0			
c. Periphyton mat coverage	Periphyton (Blue-green algae) present with average mat thickness >1 1/4 in. (measure active & dead layer)	3	0	0	0
	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 present with average thickness of 0.0 to 1/4 in. (active & dead layer)	0			
d. Category 1 and Category 2 exotic plants or (non-native) species	< (or = to) 1 % exotic plant cover	3	1	1	N/A
	>1 % to 10 % exotic plant cover	2			
	>10 % to 65 % exotic plant cover	1			
	> 65 % exotic plant cover	0			
e. Habitat diversity (vegetative) (within assessment area)	>3 native species communities on site within assessment area	3	1	1	1
	2 or 3 native specie communities on site within assessment area	2			
	1 native species community with 75 % to 90 % coverage within assessment area	1			
	1 native species community has > 90 % coverage within assessment area	0			
f. Biological diversity within 3000 feet (approximately 1/2 mile from edge of assessment area)	> 3 alternative habitats available (including upland)	3	0	1	1
	2 to 3 alternative habitats	2			
	1 alternative habitat	1			
	Same habitat type, or inappropriate / impacted	0			

W.A.T.E.R. - Wetland Assessment Technique for Environmental Reviews

Scoring conducted by: Cummins Cederberg

Mitigation Bank Wetland Function Evaluation & Impact Site Evaluation Matrix

Data collected on

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

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3. Hydrologic Functions					
a. Surface water hydrology / sheet flow <i>Apply to freshwater, saltwater, brackish and mitigation systems</i>	Major connection (<i>Flowing water/ river or floodplain/ uniform flow through natural systems</i>)	3	1	1	2
	Moderate connection (<i>Natural restriction of flow or Flowing water due to hydrologic engineering</i>)	2			
	Minor connection (<i>Runoff collection point, or uneven flow due to berms, ditches, roadways etc.</i>)	1			
	Hydrologically isolated, no net lateral movement	0			
b. Hydroperiod (normal year) fresh systems	> 8 months inundated with no reversals & every year drydown	3	N/A	N/A	N/A
	>5 months < 8 months or >5 years continuous inundation (look for strong water stains on persistent vegetation)	2			
	>1 month < 5 months, with possible reversals (look for soft or less distinct water stains on persistent vegetation)	1			
	< 4 weeks cumulative annual inundation or < 2 weeks continuous inundation	0			
b-1 Alternate to b. for Short Hydroperiod (normal year) fresh systems:	>10 weeks of continuous inundation including soil saturation	3	N/A	N/A	N/A
	> 6 weeks but <10 weeks of continuous inundation including soil saturation	2			
	>2 weeks but <6 weeks of inundation, including soil saturation	1			
	<2 weeks of continuous inundation	0			
b-2 Alternate to b. for Saltwater, brackish (tidal) systems	Inundated by >90% high tides	3	1	1	N/A
	Inundated by "spring" high tides (bi-monthly)	2			
	Inundated by "extreme high" tides only (biannually)	1			
	Inundated by storm surges only	0			
b-3 Alternate to b. for High Marsh (Juncus-Distichlis)	Inundated by high "spring" tides (monthly) and flushed by fresh water sheetflow every 10 days average	3	N/A	N/A	N/A
	Inundated by high "spring" tides (monthly) and flushed by fresh water sheetflow every 30 days on the average	2			
	Inundated by high "spring" tides (monthly)and exposed to rain only	1			
	Inundated by >50% high tides and exposed to rain only	0			
b-4 Alternate to b. for Riverine systems	Inundated by high tides (daily) and/or receives and maintains fresh water at least into first half of dry season	3	N/A	N/A	N/A
	Inundated by high tides (daily) and/or receives and maintains fresh water during rainy season only	2			
	Inundated by high tides (daily) and/or receives fresh water but does not maintain (reversal) during rainy season	1			
	Inundated by spring tides (bi-monthly) and/or experiences frequent reversals of fresh water (flashy)	0			

W.A.T.E.R. - Wetland Assessment Technique for Environmental Reviews

Scoring conducted by: Cummins Cederberg

Mitigation Bank Wetland Function Evaluation & Impact Site Evaluation Matrix

Data collected on

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

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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			
	<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			
c-1 Alternate to c. for Saltwater, brackish (tidal) systems	>1 ft. water depth <2 ft. on 90% high tides	3	0	1	N/A
	> 6 in. water depth <1 ft. on >50% high tides	2			
	< 6 in. water depth , but > than saturated	1			
	Saturated by saline water table only	0			
c-2 Alternate to c. for High Marsh (Juncus-Distichlis)	>10 in. water depth <2 ft. on regular basis during growing season	3	N/A	N/A	N/A
	>5 in. to 10in. water depth on regular basis during growing season	2			
	>1 in. to 5 in. water depth on regular basis during growing season	1			
	>0.0 in. to 1 in. water depth sporadically during growing season	0			
c-3 Alternate to c. for Riverine systems	>2 ft. water depth (main channel) <6 ft. for 8 months	3	N/A	N/A	N/A
	>2 ft. water depth (main channel) <4 ft. for 6 months	2			
	>1 ft. water depth (main channel) <2.5 ft. for 4 months	1			
	<1 ft. water depth, but dry for >4 weeks (dry season)	0			

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3. Hydrologic Functions continued					
d. Water Quality	No indication of poor water quality (lab testing required, all values within acceptable range)	3	N/A	N/A	1
	No visual indicators of poor water quality observed (1 value just over or under acceptable range)	2			
	Visual indicators of poor water quality questionable (2 values over or under acceptable range)	1			
	Visual indicators of poor water quality observed or lab verified (values are out of acceptable range)	0			
e. Intactness of historic topography (soil disturbance)	Unaltered	3	0	0	0
	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			
f. Soils, organic (fresh systems)	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	N/A
	Organic soil classified hydric soil >6 in. but <12 in. and covering >90% of surface area	2			
	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			
f-1 Alternate to f. for Freshwater, saltwater systems	Sandy soil classified hydric soil with distinct mottling and concretions present in greater than 40% of horizon.	3	N/A	N/A	N/A
	Sandy soil classified hydric soil with mottling and concretions present in > 20% but < 40% of horizon.	2			
	Sandy soil classified hydric soil with light or sparse mottling and concretions < 2 mm diameter or < 20% of horizon.	1			
	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	N/A	N/A	N/A
	Calcareous loam >6 in. to <12 in. and >90% of surface area	2			
	Calcareous loam >1 in. to <6 in. and covering >50% but <90% of surface area	1			
	Calcareous loam <1 in. for >50% of surface area	0			

W.A.T.E.R. - Wetland Assessment Technique for Environmental Reviews

Scoring conducted by: Cummins Cederberg

Mitigation Bank Wetland Function Evaluation & Impact Site Evaluation Matrix

Data collected on

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

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)

Parameter/ Function	Scoring Criteria	Ratings	Site 2 MG	Site 9 10 17 19 MG	Site 10 SG
			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					
a. Optimum salinity for fresh systems during growing season based on mean high salinity for a normal year. <i>Apply to freshwater systems within 5 miles of the coast</i>	<2 parts per thousand (ppt)	3	N/A	N/A	N/A
	2 to 3 parts per thousand (ppt)	2			
	4 to 5 parts per thousand (ppt)	1			
	>5 parts per thousand (ppt)	0			
a-1. Alternate to a. Optimum salinity for brackish systems during growing season based on mean high salinity for a normal year. <i>Apply to brackish (tidal) systems only</i>	6 to 8 parts per thousand (ppt)	3	N/A	N/A	N/A
	9 to 13 parts per thousand (ppt)	2			
	14 to 16 parts per thousand (ppt)	1			
	>16 parts per thousand (ppt)	0			
a-2. Alternate to a. Optimum salinity for saline systems during growing season based on mean high salinity for a normal year. <i>Apply to saline marsh (tidal) systems only</i>	17 to 19 parts per thousand (ppt)	3	N/A	N/A	N/A
	20 to 22 parts per thousand (ppt)	2			
	23 to 25 parts per thousand (ppt)	1			
	>25 parts per thousand (ppt)	0			
a-3. Alternate to a. Optimum salinity for hypersaline systems during growing season based on mean high salinity for a normal year. <i>Apply to hypersaline (tidal) systems only</i>	26 to 41 parts per thousand (ppt)	3	N/A	N/A	N/A
	42 to 46 parts per thousand (ppt)	2			
	47 to 51 parts per thousand (ppt)	1			
	>51 parts per thousand (ppt)	0			
a-4 Alternate to a. Optimum salinity for riverine/tidal creek system during growing season based on mean high slainity for a normal year. <i>Apply to riverine systems only</i>	bottom (lower) third between 12 to 25 ppt	3	N/A	N/A	N/A
	middle third between 5 to 11 ppt.				
	upper (top) third between 0 to 4 ppt.				
	bottom (lower) third between 25 to 32 ppt	2			
	middle third between 6 to 24 ppt.				
	upper (top) third between 0 to 5 ppt.				
	bottom (lower) third between 30 to 40 ppt	1			
	middle third between 8 to 29 ppt.				
	upper (top) third between 0 to 7 ppt.				
	bottom (lower) third between 35 to 50 ppt	0			
	middle third between 10 to 34 ppt.				
	upper (top) third between 0 to 9 ppt.				

W.A.T.E.R. created by: Bill L. Maus

11/1/1998

Cumulative Score (SC)	9	10	7
Maximum Possible Score (MPS)	45.00	42.00	27.00
W.A.T.E.R. = Cumulative Score/Maximum 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