



Department of Regulatory and Economic Resources
Environmental Resources Management (DERM)
701 NW 1st Court, 6th Floor
Miami, Florida 33136
Phone: 305-372-6585 Fax: 305-372-6479

CLASS IV WETLAND PERMIT

*****THIS PERMIT MUST BE KEPT ON SITE*****
DURING ALL PHASES OF CONSTRUCTION

PERMIT NO. CLIV-20190080

ISSUE DATE: December 22, 2020 EXPIRATION DATE: December 22, 2030

ISSUED BY: Ibel Cruz SIGNATURE: Abel Cruz

PERMITTEE NAME: City of Homestead

PROJECT LOCATION: From SW 344th Street (East Palm Drive) Between SW 147th Avenue & SW 132nd Avenue
In The City of Homestead, Sections 27 & 28 Townships
57 South, Range 39 East, Miami-Dade County, FL

FOLIOS: Excavation: 10-7927-001-0060, 10-7928-001-0030
Mitigation: 10-7927-001-0060, -010; 10-7928-001-0030; 10-7926-001-0020

WETLAND BASIN: South Dade Wetlands

PROPOSED WORK

This permit authorizes impacts to 499.85 acres of wetlands, specifically direct wetland impacts associated with the excavation of 28.20 acres for a rock mine operation and placement of temporary fill, and the restoration, enhancement, and preservation of 471.65 acres of wetlands as mitigation for the excavation. It should be noted that this permit is in combination with 33.03 acres of a lake excavation previously permitted under Class IV permit FW 97-060 for a total excavation area of 61.23 acres.

- ATTACHMENTS: A - Conservation Easement
B - Mitigation Monitoring Plan

ENGINEER OF RECORD: Manuel J. Echezarreta, P.E. (Florida License# 24595)

PLANS ENTITLED: "City of Homestead Rock Pit"
Sheets 1 - 3

DATE SIGNED AND SEALED: July 21, 2020

All work shall be performed in accordance with the above referenced plans and in accordance with the attached specific and general permit conditions. If there are conflicts between the plans and the permit conditions, the permit conditions are controlling.

SPECIAL CONDITIONS

1. This permit authorizes impacts to 499.85 acres of wetlands, specifically direct wetland impacts associated with the excavation of 28.20 acres for a rock mine operation and placement of temporary fill, and the restoration, enhancement, and preservation of 471.65 acres of wetlands as mitigation for the excavation. This permit is in combination with 33.03 acres of a lake excavation previously permitted under Class IV permit FW 97-060 for a total excavation area of 61.23 acres. NO ADDITIONAL WORK BEYOND THE LIMITS OF THIS AREA IS AUTHORIZED UNDER THIS PERMIT.
2. This permit is valid for a period of ten (10) years. A written request for extension shall be submitted by the permit holder to the Wetlands Resources Section (WRS) of DERM at least thirty (30) days prior to the expiration date of this permit. As provided by Section 24-48.9(2)(d) of the Code of Miami-Dade County, Florida (Code), the requested time period for the extension of time when combined with all time periods previously approved for the original permit and prior extensions of time shall not exceed a total of twenty-five (25) years for rockmining.

3. Wetland Compensation

As mitigation to offset direct impacts from the rock mining and mine-related disturbance to 61.23 acres of wetlands, the Permittee shall complete the preservation, restoration, and enhancement of 471.65 acres of herbaceous wetlands in accordance with the approved mitigation plan entitled "City of Homestead Rock Pit Wetland Preserve Remediation Work Plan" (Plan) dated October 14, 2020 (Attachment B). At a minimum, the applicant is required to remove exotic and nuisance vegetation from the wetland project area and wetland mitigation areas and mulch selected portions of the wetland mitigation area to improve hydrology and enhance wetland function.

The Permittee shall complete the mitigation area baseline monitoring event as per the Plan and as required by this permit by 120 days of permit issuance. The restoration of the entire 471.65 acres of mitigation shall be completed by April 2026. This mitigation area is a portion of the area preserved under a conservation easement that was proffered to Miami-Dade County by the City of Homestead recorded on June 01, 2001 (CFN: 01R044147 Book 19471 Pages 4072-4079) (Attachment A), which includes an obligation by the Permittee to ensure the successful restoration of all mitigation areas controlled by the City of Homestead.

The Permittee shall conduct the monitoring and maintenance activities in accordance with the Plan. Monitoring reports will be submitted within 30 days following each monitoring event. All exotic and nuisance vegetation as listed on the most current Florida Exotic Pest Plant Council's (FLEPPC) List of Exotic Plant Species (Category I and II) shall be removed within the mitigation area. This Section reserves the right to request monitoring reports if deemed necessary.

The Permittee has posted a mitigation bond in the amount of \$1,455,664.36 with DERM for the restoration, monitoring and maintenance of the 471.65 acre mitigation area.

4. Groundwater Monitoring Plan

The Permittee shall submit for DERM's review and approval a long-term groundwater monitoring plan. Prior to the start of mining operations, the Permittee shall install a monitoring well screened the final five feet of the proposed excavation depth of the lake (47 to 52 feet below land surface) shall be installed along the eastern perimeter of the area proposed for excavation. The monitoring well shall be located midway along the north-south axis of the proposed excavation area and shall be sampled for chlorides prior (at least 30 days) to the start of excavation activities and quarterly thereafter.

A water quality monitoring program consisting of groundwater sampling from monitoring well MW-10 and three depth surface water sampling from the lake shall be implemented subsequent to the start of excavation activities. Groundwater and surface water shall be sampled on a quarterly basis for chlorides.

This monitoring plan shall be adequate to monitor groundwater stage and quality in the vicinity of the proposed lake to detect any hydrological impacts including chloride impacts from salt intrusion. Within ninety (90) days of the start of permitted excavation activities, submit a water quality monitoring report which shall at a minimum include, Groundwater and Surface Water Analytical Summary Table, Laboratory Analytical Reports with custody forms and QA/QC report. The report shall be submitted via email to DERMPCD@miamidade.gov and copy DERMWETLANDS@miamidade.gov in correspondence. A review fee of \$430 (Review fee of \$400 plus 7.5%

16. During construction, no soil, vehicles or heavy equipment, fill, building materials, construction debris, dead vegetation or any other materials shall be placed, stored or deposited in the adjacent wetland areas surrounding the subject property.
17. There shall be no disruption of soil, rock formations or plants within the adjacent wetland areas surrounding the subject property.
18. The subject property is located in an area subject to frequent and regular flooding. The Permittee is advised that, at this time, Miami-Dade County has no plans to provide additional flood protection or drainage in this area. The issuance of this Class IV Wetland Permit Agreement authorizes the Permittee to undertake work in, on or upon wetlands on the project site, but it does not constitute an acknowledgment that the project will comply with the regulatory requirements for flood protection established by Miami-Dade County through the issuance of a Class II Permit or by the South Florida Water Management District through the issuance of a Management and Storage of Surface Water Construction Permit.
19. The permittee must comply with the change to the Class IV Resolution No. 16-99 made at the public hearing (Miami-Dade County Commission hearing) which states that all fill material excavated from the lake permitted by Class IV permit FW 97-060 must remain within the established bounds of the Villages of Homestead D.R.I. and P.U.D.
24. If the engineer who provided certification pursuant to Section 24-48.2(I)(B)(2) or pursuant to Section 24-48.2(II)(B)(4) is discharged by the permittee, or if said engineer ceases to work on work allowed under this permit, all work authorized under this permit shall immediately cease and shall not be resumed until DERM is notified of and approves new engineer of record and DERM has authorized work to resume in writing to both the Permittee and newly authorized engineer of record.
25. The engineer of record shall provide inspections at intervals not to exceed months with reports provided to DERM within thirty days of inspection to document the progress of the work and to report whether any unauthorized work has occurred.
26. The engineer of record shall report to DERM any exceedances of water quality standards under Chapter 24, Miami-Dade County Code upon discovery.
27. The permittee shall submit as-built surveys, signed and sealed by the Engineer of Record at the completion of each phase but no less frequent than twelve (12) month intervals, whichever is of less duration, or upon request by DERM. A final survey upon completion of all excavation activities authorized by this permit shall include all previously-surveyed locations. The permittee shall provide as-builts or other record drawings as required by DERM pursuant to Section 24-48.5(3) in accordance with DERM required timeframes.
28. Failure to comply with the above-stated conditions shall result in revocation of this permit.