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CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

# Memorandum

MIAMI-DADE COUNTY

**Date:** October 5, 2021

Agenda Item No. 5(V)

**To:** Honorable Chairman Jose 'Pepe' Diaz
and Members, Board of County Commissioners

**From:** Lourdes M. Gomez, Director
Department of Regulatory and Economic Resources

Resolution No. R-878-21

**Subject:** Class I Permit Application by Miami-Dade County, through its Department of Parks, Recreation, and Open Spaces

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**Recommendation**

I have reviewed the attached application for a Class I permit by Miami-Dade County, through its Department of Parks, Recreation, and Open Spaces (PROS) and based upon the applicable evaluation factors set forth in Section 24-48.3 of the Code of Miami-Dade County (Code), I recommend that the Board of County Commissioners (Board) approve the issuance of a Class I permit for the reasons set forth below.

Pursuant to Ordinance No. 16-73, this quasi-judicial matter may be submitted directly for placement on the Board's meeting agenda by the Director of the Department of Regulatory and Economic Resources.

**Scope**

The project site is located within Matheson Hammock Park at 9610 Old Cutler Road, Coral Gables, Florida, in Commission District 7, which is represented by Commissioner Raquel A. Regalado.

**Delegation of Authority**

This item has no delegation of authority. Upon approval of this item, Section 24-48.2(C)(2) of the Code authorizes the Department to issue the permit, provided that other Code requirements are satisfied, such as submittal of final plans and bonds, and to require additional conditions, limitations, and restrictions if consistent with this Board's approval.

**Fiscal Impact/Funding Source**

This resolution is a regulatory approval and does not have a fiscal impact.

**Track Record/Monitor**

The Coastal Resources Section Manager, McKee Gray, in the Department of Regulatory and Economic Resources, Division of Environmental Resources Management (DERM), will be responsible for monitoring the proposed permit.

**Background**

The subject Class I permit application requests authorization for the filling of 4,525 square feet of wetlands that support halophytic (salt tolerant) vegetation including mangrove trees, the removal of 500 square feet of mangrove canopy, and 2,608.95 square feet of temporary impacts to the halophytic wetlands along a buffer area adjacent to the proposed roadway improvements within Matheson Hammock Park located at 9610 Old Cutler Road in the City of Coral Gables, Miami-Dade County, Florida. To be approved, this application must be reviewed and decided by the Board at a public hearing because the filling of wetlands and the trimming of mangroves within a Coastal Band Community are specifically referenced in Section 24-48.2 of the Code as work that shall be processed

with a standard form application, including a public hearing.

The subject project area is an existing asphalt road located within Matheson Hammock Park to the south of the boat ramp parking lots that provides the only means of accessing the Matheson Hammock Park wading beach. Currently, the subject road is closed and in a state of disrepair following impacts from Hurricane Irma and, due to the road's low elevation, frequently floods during extreme tidal events resulting in erosion of sediments into the adjacent mangrove wetlands. The applicant is proposing to replace the damaged road with a new road at a higher elevation in the same general footprint of the existing road. In order to stabilize fill material needed for elevating the roadbed, and to prevent continued erosion of fill into adjacent wetlands, the new road will contain side slopes that extend slightly beyond the footprint of the existing road resulting in the above referenced filling of halophytic wetlands and trimming of mangroves. Additionally, due to the proximity of the proposed direct impacts of the filling work, there would be temporary impacts to halophytic wetlands and mangroves associated with construction activities.

Filling work proposed in a Class I application shall comply with at least one of the criteria listed in Section 24-48.3(2) of the Code. The proposed work will result in the minimal amount of filling of halophytic wetlands necessary to improve the road, to reduce flooding of the roadway during rain and tidal events, and to provide access to the wading beach for park patrons and County personnel. As the work is a physical modification necessary to protect public or private property, the proposed project complies with the requirements in Section 24-48.3(2)(f) of the Code, which applies to dredging and filling work proposed in a Class I permit application. In addition, the runoff and erosional issues associated with the existing road will be eliminated through the installation of the appropriate Code required side slopes that will be compacted clean fill to provide protection for the road while also reducing erosion into the adjacent County-owned wetlands. Improving and elevating the existing road is the minimum improvement required to address the erosion and accessibility issues that currently exist.

Matheson Hammock Park is designated by the Miami-Dade County Comprehensive Development Master Plan (CDMP) as a Mangrove Protection Area. Trimming of mangroves within a Mangrove Protection Area must be consistent with the criteria outlined in the Coastal Management Element of the CDMP. The existing road is closed and has degraded to the point where sections are missing. The road is no longer usable and must be replaced to provide access to the wading beach area. This road runs through mangrove wetlands and is the only access to the wading beach area, so the wading beach area is currently inaccessible to park patrons. This wading beach area was historically open to the public since approximately 1940, and was historically used by the public for a variety of park activities such as birding, kayaking, picnicking, and swimming. Matheson Hammock Park, including the wading beach area, is designated as a Heritage Park in Miami-Dade County and as a Historic Site listed in the Coral Gables Register of Historical Places, and reopening the wading beach area of Matheson Hammock Park is clearly in the public interest. The majority of the new road will be located within the footprint of the existing road with only a small expansion of the footprint to accommodate stabilization slopes. For all of the reasons stated herein, the proposed work is consistent with the CDMP as the work is clearly in the public interest and is in a location where no reasonable upland alternative exists. Furthermore, the proposed mangrove trimming and alteration has been minimized and would be done in a manner that preserves the function of the mangrove system and does not adversely affect habitat. In addition, the proposed project involves the repair and/or

replacement of the existing culvert to ensure adequate tidal flushing is maintained. The Class I permit would include authorization for future maintenance trimming and alteration of mangroves along the road to maintain clearance, should mangroves grow into this area.

In addition, the project is consistent with the criteria outlined in the Conservation, Aquifer Recharge, and Drainage Element of the CDMP. For the reasons stated above, the project is clearly in the public interest and no other reasonable alternative exists. It is not anticipated that the project will adversely impact habitat that is critical to endangered and threatened species that may utilize mangrove wetlands.

Pursuant to Section 24-48.4 of the Code, potential adverse environmental impacts and cumulative adverse environmental impacts for a proposed project must be avoided and minimized and mitigation is required for permittable projects that otherwise result in adverse environmental impacts. The project would result in the filling of 4,525 square feet of halophytic wetlands supporting halophytic vegetation, the removal of 500 square feet of mangrove canopy, and 2,608.95 square feet of temporary impacts to adjacent halophytic wetlands. In certain locations where it was determined to be feasible, the footprint of the proposed road was shifted landward of the existing footprint to be located on existing uplands in the center area of the loop at the end of the wading beach road, further reducing the wetland impact. The applicant has proposed to satisfy the impacts associated with the filling of 4,525 square feet of halophytic wetlands and the trimming of 500 square feet of mangrove canopy through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund. No mitigation is proposed for the temporary impacts, as this area would not be cleared or filled. The project area would be maintained free of exotic pest plants and nuisance species in accordance with the Class I permit conditions. Any temporary water quality impacts would be minimized through the implementation of proper turbidity controls, including silt fencing, throughout construction operations to ensure that State and County water quality standards are met. In addition, the side slopes at the edge of the improved road would be compacted to further eliminate erosion and turbidity into the future.

Please note that there are no riparian owners within 300 feet of the proposed project. Therefore, no courtesy notices were sent out for this application.

The project has been designed in accordance with all relevant Miami-Dade County coastal construction criteria and is consistent with all other Miami-Dade County coastal protection provisions. Please find attached a DERM Project Report which also sets forth the reasons the proposed project is recommended for approval by DERM pursuant to the applicable evaluation factors and criteria as set forth in Section 24-48.3 of the Code. The conditions, limitations, and restrictions set forth in the Project Report attached hereto are incorporated herein by references hereto.

**Attachments**

Attachment A: Class I Permit Application
Attachment B: Owner/Agent Letter, Engineer Letter and Project Sketches
Attachment C: Zoning Memorandum
Attachment D: DERM Project Report

# Attachment A

# Class I Permit Application

# Class I Permit Application

**FOR DEPARTMENTAL USE ONLY**

| Date Received: | Application Number: |
|---|---|
| | Application Fee: |

**Application must be filled out in its entirety. Please indicate N/A for non-applicable fields.**

**1. Applicant Information:**

Name: Miami-Dade County Parks, Recreation and Open Spaces

Address: 275 NW 2nd Street, 4th Floor, Miami,FL

Zip Code: 33128

Phone #: 305-755-7805 Fax#:

Email: Adria.Gonzalez-Leiva2@miamidade.gov

* This should be the applicant's information for contact purposes.

**2. Applicant's Authorized Permit Agent:**

Agent is allowed to process the application, furnish supplemental information relating to the application and bind the applicant to all requirements of the application.

Name: Greg Griffith

Address: 2035 Vista Parkway

West Palm Beach, FL Zip Code: 33411

Phone #: 561-687-2220 Fax #: N/A

Email: Greg.Griffith@wginc.com

**3. Location where proposed activity exists or will occur (latitude and longitude are only necessary for properties without address or folio #):**

Folio #(s): 03-5105-000-0010 Latitude: N/A Longitude: N/A

Street Address: 9610 Old Cutler Road Section: 8 Township: 55 S Range: 41 E

In City or Town: Coral Gables Near City or Town: N/A

Name of waterway at location of the activity: N/A

**4. Describe the proposed activity (check all that apply):**

- ☐ Seawall
  - ☐ New/Replacement Seawall
  - ☐ Seawall Cap
  - ☐ Batter Piles
  - ☐ King Piles
  - ☐ Footer/Toe Wall
  - ☐ Riprap
- ☐ Dock(s)
  - ☐ Pier(s)
  - ☐ Viewing Platform
- ☐ Boatlift
  - ☐ Mooring Piles
  - ☐ Fender Piles
  - ☐ Davits
- ☐ Dredging
  - ☐ Maintenance
  - ☐ New
- ☐ Filling
- ☐ Mangrove Trimming
- ☐ Mangrove Removal

☑ Other: Restoration of existing roadway. Grading of picnic area to correct erosion damage and restore to original conditions

**Estimated project cost = $** 648,675.00

Are you seeking an after-the-fact approval (ATF)? ☐ Yes ☑ No If "Yes", describe the ATF work: N/A

**5. Proposed Use (check all that apply):**

- ☐ Single Family
- ☐ Multi-Family
- ☐ Private
- ☑ Public
- ☐ Commercial
- ☐ Industrial
- ☐ Utility

**6. If the proposed work relates to the mooring of vessels provide the following information (please also indicate if the applicant does not have a vessel):**

Proposed Vessel Type (s): N/A

Vessel Make/Model (If known): N/A

Draft (s)(range in inches.): N/A Length (s)(range in feet.): N/A

Total Number of Slips: N/A

**7. List all permits or certifications that have been applied for or obtained for the above referenced work:**

| Issuing Agency | Type of Approval | Identification Number | Application Date | Approval Date |
|---|---|---|---|---|

**8. Contractor Information (If known):**

Name: TBD License # (County/State): _____

Address: _____ Zip Code: _____

Phone #: _____ Fax #: _____ E-mail: _____

**9. IMPORTANT NOTICE TO APPLICANTS:** The written consent of the property owner is required for all applications to be considered complete. Your application WILL NOT BE PROCESSED unless the Applicant and Owner Consent portion of the application is completed below. You have the obligation to apprise the Department of any changes to information provided in this application.

Application is hereby made for a Miami-Dade County Class I permit to authorize the activities described herein. I agree to or affirm the following:

- I possess the authority to authorize the proposed activities at the subject property, and
- I am familiar with the information, data and plans contained in this application, and
- To the best of my knowledge and belief, the information, data and plans submitted are true, complete and accurate, and
- I will provide any additional information, evidence or data necessary to provide reasonable assurance that the proposed project will comply with the applicable State and County water quality standards both during construction and after the project is completed, and
- I am authorizing the permit agent listed in Section 2 of this application to process the application, furnish supplemental information relating to this application and bind the applicant to all requirements of this application, and
- I agree to provide access and allow entry to the project site to inspectors and authorized representatives of Miami-Dade County for the purpose of making the preliminary analyses of the site and to monitor permitted activities and adherence to all permit conditions.

**A. IF APPLICANT IS AN INDIVIDUAL**

Signature of Applicant | Print Applicant's Name | Date

**B. IF APPLICANT IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON**
(Examples: Corporation, Partnership, Trust, LLC, LLP, etc.)

| Miami-Dade County Parks, Recreation and Open Spaces | County | FL |
|---|---|---|
| Print Name of Applicant (Enter the complete name as registered) | Type (Corp, LLC, LLP, etc.) | State of Registration/Incorporation |

**Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Applicant, to bind the Applicant, and if so required to authorize the issuance of a bond on behalf of the Applicant. (If asked, you must provide proof of such authority to the Department). ***Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages. *****

| Maria I Nardi | Maria I Nardi | Director of Miami-D |
|---|---|---|
| Signature of Authorized Representative | Print Authorized Representative's Name | Title | Date |

**C. IF APPLICANT IS A JOINT VENTURE** Each party must sign below(If more than two membets, list on attached page)

Print Name of Applicant (Enter the complete name as registered) | Type (Corp, LLC, LLP, etc.) | State of Registration/Incorporation

Print Name of Applicant (Enter the complete name as registered) | Type (Corp, LLC, LLP, etc.) | State of Registration/Incorporation

**Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Applicant, to bind the Applicant, and if so required to authorize the issuance of a bond on behalf of the Applicant. (If asked, you must provide proof of such authority to the Department). ***Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages. *****

Signature of Authorized Representative | Print Authorized Representative's Name | Title | Date

Signature of Authorized Representative | Print Authorized Representative's Name | Title | Date

**10. WRITTEN CONSENT OF THE PROPERTY OWNER OF THE AREA OF THE PROPOSED WORK**

I/We are the fee simple owner(s) of the real property located at 9610 Old Cutler Road, Coral Gables, Miami-Dade County, Florida, otherwise identified in the public records of Miami-Dade County as Folio No. 03-5105-000-0010. I am aware and familiar with the contents of this application for a Miami-Dade County Class I Permit to perform the work on or adjacent to the subject property, as described in Section 4 of this application. I possess the riparian rights to the area of the proposed work (if applicable) and hereby consent to the work identified in this Class I Permit application.

**A. IF THE OWNER(S) IS AN INDIVIDUAL**

Signature of Owner | Print Owner's Name | Date

Signature of Owner | Print Owner's Name | Date

**B. IF THE OWNER IS OTHER THAN AN INDIVIDUAL OR NATURAL PERSON**
(Examples: Corporation, Partnership, Joint Venture, Trust, LLC, LLP, etc.)

Miami-Dade County | County | FL

Print Name of Owner (Enter the complete name as registered) | Type (Corp, LLC, LLP, etc.) | State of Registration/Incorporation

Address of Owner

**Under the penalty of perjury, I certify that I have the authority to sign this application on behalf of the Owner, to bind the Owner, and if so required to authorize the issuance of a bond on behalf of the Owner. (If asked, you must provide proof of such authority to the Department). ***Please Note: If additional signatures are required, pursuant to your governing documents, operating agreements, or other applicable agreements or laws, you must attach additional signature pages. *****

Signature of Authorized Representative | Jimmy Morales (Print Authorized Representative's Name) | Chief Operations Officer (Title) | Date

Signature of Authorized Representative | Print Authorized Representative's Name | Director of Miami-Dade (Title) | Date

**Please Review Above**

Appropriate signature(s) must be included in:

Box 9: either A, B or C

***AND***

Box 10: either A or B

**Signature:** Adria Gonzalez-Leiva
**Email:** adria.gonzalez-leiva2@miamidade.gov

**Signature:**
**Email:** humberto.cabanas@miamidade.gov

**Signature:**
**Email:** joe.cornely@miamidade.gov

**Signature:** David Livingstone
**Email:** david.livingstone@miamidade.gov

## Attachment B

## Owner/Agent Letter, Engineer Letter and Project Sketches

# MATHESON HAMMOCK PARK
# WADING BEACH ROADWAY RECONSTRUCTION
# CONSTRUCTION DOCUMENT

## 9610 OLD CUTLER ROAD
## CORAL GABLES, FL 33156

## PROS PROJECT NUMBER 510601-18-003B
## MARCH 2021


Honorable Carlos A. Gimenez
Mayor

BOARD OF COUNTY COMMISSIONERS

Honorable Audrey M. Edmonson, Chairwoman
District 3

Honorable Rebeca Sosa, Vice-Chairwoman
District 6

Honorable Barbara J. Jordan
District 1

Honorable Jean Monestime
District 2

Honorable Sally A. Heyman
District 4

Honorable Eileen Higgins
District 5

Honorable Xavier L. Suarez
District 7

Honorable Daniella Levine Cava
District 8

Honorable Dennis C. Moss
District 9

Honorable Senator Javier D. Souto
District 10

Honorable Joe A. Martinez
District 11

Honorable José "Pepe" Diaz
District 12

Honorable Esteban L. Bovo,Jr.
District 13

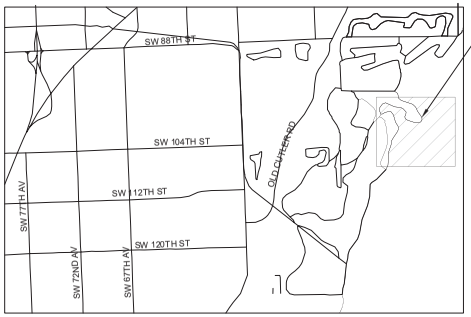
Harvey Ruvin
Clerk of Courts

Pedro J. Garcia
Property Appraiser

Abigail Price-Williams
County Attorney

MIAMI-DADE COUNTY provides equal access and equal opportunity in employment and services and does not discriminate on the basis of disability.

PARKS, RECREATION AND OPEN SPACES
Maria I. Nardi, Director


**PROJECT LOCATION**

**LOCATION MAP**
**SCALE: N.T.S.**

INDEX OF DRAWINGS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| C-16 | LOOP PROFILE |
| C-17 - C-20 | CROSS SECTION (12' WIDE LOOP ROAD) |
| C-21 | CULVERT CROSS SECTION |
| C-22 | DETAILS |



*PREPARED BY:*
WGI
2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 - LB No. 7055

STEPHEN C. CHERRY, PE
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. PE 62218
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561) 687-2220

## GENERAL NOTES:

1. TERMS:

   a. OWNER, CLIENT = MIAMI–DADE COUNTY PARKS, RECREATION AND OPEN SPACES (MD–PROS)
   b. ENGINEER = WGI, INC.
   c. SURVEYOR = WGI, INC.

2. REFERENCED STANDARDS:

   - MIAMI–DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS http://www.miamidade.gov/publicworks/engineering–details.asp
   - 2019–20 FDOT STANDARD PLANS https://www.fdot.gov/design/standardplans/SPRBC.shtm
   - 2020 FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION https://fdotwww.blob.core.windows.net/sitefinity/docs/default–source/programmanagement/implemented/specbooks/january–2020/1–20–ebook.pdf?sfvrsn=e3eca19a_2

3. CONDUCT A FIELD WALK–THROUGH TO DETERMINE LOCATIONS OF ADDITIONAL TRIMMING TO ALLOW FOR CONSTRUCTION ACTIVITIES. SUBMIT A MANGROVE TRIMMING PLAN SIGNED AND SEALED BY A FLORIDA REGISTERED LANDSCAPE ARCHITECT TO THE ENGINEER AS A SHOP DRAWING, FOR REVIEW AND APPROVAL. OBTAIN THE REQUIRED MANGROVE TRIMMING PERMIT AND APPLICABLE MITIGATION REQUIREMENTS IF TRIMMING EXTENDS BEYOND PERMITTED TRIMMING LIMITS.

4. PRIOR TO CONSTRUCTION SUBMIT SHOP DRAWINGS FOR ALL MATERIALS TO THE ENGINEER FOR APPROVAL.

5. TEST RESULTS SHALL BE SUBMITTED WITH RECORD DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL. INSPECTIONS/TESTING REQUIREMENTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, BACKFILL DENSITIES, CONCRETE AND REINFORCEMENT, DRAINAGE LAMPING, PAVING MATERIALS, AND ANY OTHERS REQUIRED TO DO THE WORK, OR AS DIRECTED BY THE OWNER, ENGINEER, OR PERMITTING AGENCIES.

6. CONSTRUCTION NOTES:

   a. REGULATIONS – ALL CONSTRUCTION SHALL BE DONE IN A WORKMAN LIKE MANNER AND SHALL CONFORM TO ALL COUNTY, STATE, AND FEDERAL REGULATIONS AND OR CODES INCLUDING BUT NOT LIMITED TO THE CURRENT MIAMI–DADE COUNTY AND FDOT LATEST STANDARDS. OBTAIN ALL PERMITS AND LICENSES TO BEGIN WORK.
   b. VERTICAL DATUM: ELEVATIONS REFER TO NGVD29. NGVD29 = NAVD88 + 1.54'.
   c. HORIZONTAL DATUM – NORTH AMERICAN DATUM 1983, FLORIDA STATE PLANE COORDINATES, EAST ZONE, FOOT.
   d. CHANGES – ALL CHANGES TO THE PROPOSED WORK OR CONSTRUCTION SHALL BE APPROVED IN WRITING BY THE ENGINEER AND OWNER PRIOR TO CONSTRUCTION.
   e. GUARANTEE – GUARANTEE ALL WORK AND MATERIAL FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION, DURING WHICH ALL FAULTY CONSTRUCTION AND/OR MATERIAL SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
   f. SHOP DRAWINGS – SUBMIT SHOP DRAWINGS FOR MATERIALS, PIPES, STRUCTURES, FRAMES, GRATES, ETC. TO THE OWNER AND ENGINEER FOR REVIEW AND APPROVAL. SUBMIT SIGNED AND SEALED SHOP DRAWINGS FOR STRUCTURES AND ANY SHOP DRAWING REQUIRED BY COUNTY AND STATE REGULATIONS.
   g. MAINTENANCE OF TRAFFIC – THE ROADWAY SHALL BE CLOSED TO PUBLIC ACCESS AND PROPER ADVANCED SIGNING SHALL BE INSTALLED IN ACCORDANCE WITH FDOT, MUTCD, AND MIAMI–DADE COUNTY STANDARDS.
   h. RECORD DATA – SUBMIT ALL RECORD DATA SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA TO THE ENGINEER FOR REVIEW AND APPROVAL.
   i. RESTORATION – IMMEDIATELY REPAIR AND RESTORE EXISTING SITE FEATURES INCLUDING BUT NOT LIMITED TO PAVEMENT, DRIVEWAYS, CONCRETE STRUCTURES, FENCES, BOLLARDS, ETC., AS A RESULT OF CONSTRUCTION ACTIVITIES. THE REPAIR AND RESTORATION SHALL CONFORM TO APPLICABLE STANDARDS AS GOVERNED.
   j. UTILITIES – COORDINATE AND VERIFY ALL EXISTING UTILITIES WHETHER SHOWN IN THE PLANS OR NOT. AT LEAST TWO DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE–CALL OF FLORIDA, 811, NOTIFY EACH UTILITY COMPANY AND VERIFY THE LOCATION OF ALL UTILITIES. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER.
   k. MATERIALS – ALL MATERIALS SHALL CONFORM TO THE THE LATEST COUNTY AND FDOT DESIGN STANDARDS AND SPECIFICATIONS.

## CLEARING AND GRUBBING:

1. CLEARING – CLEARING SHALL BE LIMITED TO THE CONSTRUCTION AREA REQUIRED TO PERFORM THE WORK AND/OR AS DIRECTED BY THE OWNER OR ENGINEER AND MIAMI–DADE COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCE MANAGEMENT (DERM).
2. GRUBBING – ALL STUMPS, ROOTS, BURIED LOGS OR OTHER UNSUITABLE MATERIAL WITHIN THE LIMITS OF THE PROPOSED WORK SHALL BE REMOVED TO A DEPTH OF 2 FEET BELOW FINISHED GRADE AND REPLACED WITH CLEAN FILL.
3. DISPOSAL – ALL DEBRIS, REMOVED MATERIAL AND DREDGED MATERIAL, SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED. ANY MATERIAL RETAINED ON–SITE FOR MORE THAN 30 DAYS SHALL BE STORED IN CONTAINERS APPROVED BY THE OWNER, ENGINEER, AND DERM. NO CONSTRUCTION STAGING IS PERMITTED IN MANGROVE AREAS.
4. PROTECTION – PROTECT ALL EXISTING BUILDINGS, UTILITIES, SITE FEATURES, STRUCTURES EITHER ABOVE GROUND OR BELOW AND SHALL HOLD THE OWNER AND ENGINEER HARMLESS AGAINST ALL CLAIMS AND/OR DAMAGES.
5. MUCK – ANY MUCK ENCOUNTERED WITHIN THE FOOTPRINT OF THE EMBANKMENT SHALL BE REMOVED AND REPLACED WITH CLEAN FILL MATERIAL.

## FIELD OBSERVATIONS AND TESTING:

1. NOTIFICATION – NOTIFY THE ENGINEER, GOVERNMENT AND OTHER PERMITTING AGENCIES 48 HOURS PRIOR TO SCHEDULING FIELD OBSERVATIONS AND SUPPLY ALL EQUIPMENT NECESSARY TO TEST THE COMPLETED WORK.
2. SUBMIT ALL RECORD DATA, SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA, TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CURB AND PAVEMENT CONSTRUCTION. ANY NECESSARY ADJUSTMENTS AT THIS TIME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. EXISTING DRAINAGE PIPES AND STRUCTURES SHALL BE INSPECTED BY THE ENGINEER AND COUNTY PRIOR TO BACKFILLING. ALL DRAINAGE SYSTEMS SHALL BE PUMPED DOWN BELOW THE INVERT OF THE PIPE AND LAMPED AS A REQUIREMENT OF THE FINAL DRAINAGE INSPECTION. THE EXISTING CULVERT SHALL BE MAINTAINED AND CLEANED AND IN WORKING CONDITION THROUGHOUT CONSTRUCTION.
4. ALL TESTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA AND ARE TO BE CONTRACTED BY THE COUNTY.
5. EOR SHALL REVIEW TESTING REPORTS AND PROVIDE FIELD OBSERVATIONS AS REQUIRED AND/OR LETTERS OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS AS REQUIRED..
6. THE BASE ROCK CHEMICAL AND SIEVE ANALYSIS AND THE ASPHALT MIX AND DESIGN CRITERIA SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
7. PROCTOR AND DENSITY TESTS FOR SUBGRADE AND BASE MATERIAL SHALL BE TAKEN AS DIRECTED BY THE ENGINEER. PAVING DENSITY TESTS SHALL BE TAKEN A MINIMUM OF ONE PER 500 S.Y.

## PAVING AND DRAINAGE:

1. SUBGRADE – SUBGRADE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY IN ACCORDANCE WITH AASHTO T–180 (ASTM–D1557) SPECIFICATIONS. ALL STUMPS, ROOTS, AND OTHER DELETERIOUS MATERIAL ENCOUNTERED SHALL BE REMOVED TO A DEPTH OF 2 FEET BELOW FINISHED ROAD GRADE AND REPLACED WITH CLEAN FILL COMPACTED TO NOT LESS THAN 98% OF MAXIMUM DENSITY. ALL SUCH MATERIAL SHALL BE REMOVED FROM WITHIN THE FOOTPRINT OF THE EDGE OF PAVEMENT. STABILIZED SUBGRADE SHALL CONFORM TO SECTION 160 OF FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND HAVE A MINIMUM LBR OF 40.
2. BASE – APPROVED SHELLROCK AND LIMEROCK SHALL CONFORM TO APPLICABLE SECTIONS OF THE LATEST FDOT SPECIFICATIONS. BASE COURSE SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T–180 (ASTM 1557). PRIME COAT MINIMUM APPLICATION RATE OF 0.10 GAL/S.Y. TACK COAT MINIMUM APPLICATION RATE OF 0.05 GAL/SY.
3. ASPHALT CONCRETE – SURFACE COURSE SHALL BE S–III AND CONFORM TO MIAMI–DADE COUNTY AND FDOT SPECIFICATIONS.
4. STRUCTURES – INLETS AND MANHOLES SHALL BE AS SPECIFIED ON THE PLANS AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE SECTIONS OF COUNTY AND FDOT SPECIFICATIONS. INLET GRATES SHALL BE SECURED IN ACCORDANCE WITH FDOT INDEX NO 201.
5. PIPES – DRAINAGE PIPES SHALL CONFORM WITH THE APPLICABLE SECTIONS OF COUNTY AND FDOT SPECIFICATIONS, LATEST EDITION.
6. TRAFFIC CONTROL DEVICES – ALL TRAFFIC CONTROL DEVICES, PAVEMENT MARKINGS AND SIGNS SHALL BE AS DEFINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD), MIAMI–DADE COUNTY AND FDOT SPECIFICATIONS, WHERE APPLICABLE. THERMOPLASTIC MATERIAL SHALL BE USED FOR FINAL PAVEMENT MARKINGS EXCEPT PARKING SPACES. IF PAVER BRICKS ARE USED IN MARKED PAVEMENT, BRICKS OF APPROPRIATE COLOR AND CONTRAST SHALL BE USED IN LIEU OF PAINT OR THERMOPLASTIC MATERIAL. PAINT MAY BE USED FOR TEMPORARY STRIPING.
7. EXISTING DRAINAGE SYSTEM SHALL BE CLEANED OF ALL SILT AND OTHER DEBRIS.
8. PROVIDE A.D.A. ACCESSIBLE TEMPORARY WALKWAYS, WHERE REQUIRED BY CONSTRUCTION.

## DEWATERING:

1. IF DEWATERING IS PERFORMED, ALL TEMPORARY FILL DIKES AND DEWATERING DISCHARGES SHALL BE INSTALLED AND CONSTRUCTED SO THAT NO UPSTREAM FLOODING OR IMPOUNDMENT OCCURS AND TO PREVENT SILTATION, EROSION OR TURBID DISCHARGES IN VIOLATION OF COUNTY AND STATE WATER QUALITY STANDARDS.
2. ANY TEMPORARY WORKS SHALL BE COMPLETELY REMOVED, AND ALL AREAS UPSTREAM AND DOWNSTREAM OF THE SITE SHALL BE RESTORED TO GRADES, ELEVATIONS AND CONDITIONS WHICH EXISTED PRIOR TO CONSTRUCTION.
3. OBTAIN NECESSARY DEWATERING PERMITS FOR CONSTRUCTION.

## SIGNING AND PAVEMENT MARKING:

ALL SIGNAGE AND PAVEMENT PARKINGS TO BE INSTALLED PER THESE SPECIFICATIONS AND AS DIRECTED BY MD–PROS AND SHALL CONFORM TO REQUIREMENTS OF FDOT AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

PAVEMENT MARKINGS:

1. ALL MARKINGS SHALL BE INSTALLED BY THE EXTRUDED METHOD.
2. MARKINGS SHALL BE FREE OF WEAVES, BOWS, DRIPS, DRAGS, AND OTHER DEGRADING MEANS.
3. CHALK SHALL BE USED FOR ALL LAYOUT MARKINGS.
4. ALL MATERIALS SHALL BE ALKYD OR HYDROCARBON THERMOPLASTIC MEETING ALL FDOT SPECIFICATIONS.
5. ALL MARKINGS SHALL BE INSTALLED TO YIELD 90 MILS OF MATERIAL MEASURED ABOVE THE PAVEMENT SURFACE.
6. REFLECTIVE GLASS SPHERES ARE TO BE APPLIED TO ALL STRIPES AND MARKINGS PER FDOT SPECIFICATIONS.
7. IT IS RECOMMENDED THAT THE MARKING LAYOUT BE INSPECTED BY MD–PROS AND/OR EOR PRIOR TO PLACEMENT OF FINAL MARKINGS

RAISED PAVEMENT MARKERS (RPM):

1. RPM SHALL BE INSTALLED ON ALL LANE LINES AND CENTERLINES, SPACED AT 20' ON–CENTER.
2. RPMS SHALL BE A 4X4 TYPE CLASS "B" MARKER MEETING FDOT SPECIFICATIONS AND SHALL BE APPROVED BY MD–PROS PRIOR TO USE.
3. RPMS SHALL BE INSTALLED USING ALKYD THERMOPLASTIC ON ASPHALT.

## SUMMARY OF WORK

THE CONSTRUCTION PLANS AND SPECIFICATIONS ARE INTENDED TO RESTORE THE MATHESON HAMMOCK PARK WADING BEACH ROAD DAMAGED BY PREVIOUS STORM EVENTS TO EXISTING CONDITIONS, OR BETTER. CONDUCT A PRE–CONSTRUCTION SITE INSPECTION TO IDENTIFY AND CONFIRM THE LIMITS OF RESTORATION. SEE SHEET ITEMS LISTED BELOW WHICH ARE TO BE INCLUDED IN THE SCOPE OF WORK:

WADING BEACH ROADWAY RECONSTRUCTION:

1. REMOVE APPROXIMATELY 2,600 LF OF ±20' WIDE FULL DEPTH PAVEMENT SECTION WHICH HAS BEEN ERODED AND/OR IN FAILING CONDITION DUE TO TIDAL FLUCTUATIONS AS NOTED IN THE PLANS. DEMOLISHED MATERIAL SHALL NOT BE USED IN ROADWAY RECONSTRUCTION.
2. CONSTRUCT APPROXIMATELY 1,500 LF OF ±20' WIDE FULL DEPTH PAVEMENT SECTION AND 1,100 LF OF 12' WIDE FULL DEPTH PAVEMENT SECTON AT THE NEW PROFILE ELEVATIONS AS SPECIFIED IN THE PLANS.
3. INSTALL NON–INTRUSIVE SILT BARRIER SYSTEM AND MEANDER AROUND MANGROVE ROOTS TO REDUCE IMPACTS TO MANGROVES.
4. INSTALL SIGNING AND PAVEMENT MARKING FOR THE WADING BEACH ROAD IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AND THE LATEST EDITION OF THE MUTCD.
5. GRADE AND SOD APPROXIMATELY 42,000 SF OF THE EXISTING WADING BEACH ROAD PARKING AREA WHICH HAS BEEN ERODED AS NOTED IN THE PLANS.

## DERM IMPACTS

THE FOLLOWING IMPACT ITEMS ARE ASSOCIATED WITH THE ROADWAY RECONSTRUCTION WORK:

1. TOTAL QUANTITY OF EXCAVATED MATERIAL: 71,333.4 SF / 4,385.8 CY
2. PERMANENT WETLAND IMPACT TOTAL: 4,525 SF / 42.4 CY
3. TEMPORARY WETLAND IMPACT TOTAL: 2,608.95 SF / 24.4 CY
4. TOTAL PROPOSED QUANTITY OF FILL: 71,333.4 SF / 4,444.97 CY
5. TOTAL QUANTITY OF FILL PROPOSED IN THE WADING BEACH PARKING AREA: 45,310SF / 1542 CY
6. TOTAL AREA OF MANGROVE TRIMMING: 500 SF

## EROSION CONTROL:

1. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

THE FOLLOWING SEQUENCE OF MAJOR ACTIVITIES SHALL BE FOLLOWED UNLESS THE CONTRACTOR CAN PROPOSE AN ALTERNATIVE THAT IS EQUAL TO OR EXCEEDS THE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES DESCRIBED IN THIS DOCUMENT, AND IS APPROVED BY THE ENGINEER. THE DETAILED SEQUENCE FOR THE ENTIRE PROJECT CAN VARY SIGNIFICANTLY FROM CONTRACTOR TO CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE FDOT SPECIFICATION SECTIONS 102 AND 104:

A. PLACEMENT OF ALL EROSION CONTROL DEVICES.
B. CLEARING AND GRUBBING, EARTHWORK REQUIRED FOR PAVEMENT RECONSTRUCTION AND GRADE ADJUSTMENT.
C. EARTHWORK AND CONSTRUCTION ASSOCIATED WITH RECONSTRUCTING THE PARKING AREA.

2. EROSION AND SEDIMENT CONTROLS

DOCUMENT THIS PORTION OF THE SWPPP IN ACCORDANCE WITH THE FDOT SPECIFICATION SECTION 102. THE GENERAL CONTROL PLAN FOR SITE ACTIVITIES IS AS FOLLOWS:

A. INSTALL SOIL TRACKING PREVENTION DEVICES (STPDS) AT COMMON AREAS WHERE CONSTRUCTION VEHICLES WILL BE ENTERING AND EXITING THE CONSTRUCTION SITE IN ACCORDANCE WITH THE FDOT SPECIFICATION SECTION 106.
B. INSTALL NON–INTRUSIVE (NON–EXCAVATED) SILT BARRIER (WATTLE OR APPROVED EQUAL) AT THE LIMITS OF CONSTRUCTION. ALL SILT BARRIER WILL BE PLACED NO MORE THAN 2' OFFSET THE EDGE OF PAVEMENT. ALL SILT BARRIER SHALL BE REQUIRED TO MEANDER AROUND MANGROVE KNEES, ROOTS, STALKS.
C. PROTECT THE EXISTING MANGROVES TO THE GREATEST EXTENT POSSIBLE. ANY MAJOR DAMAGE SHALL BE BROUGHT TO THE OWNER'S AND EOR ATTENTION IMMEDIATELY.
D. INSTALL SILT BARRIER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

3. STABILIZATION PRACTICES

DOCUMENT THIS PORTION OF THE SWPPP IN ACCORDANCE WITH THE FDOT SPECIFICATION SECTION 102.

TEMPORARY: SOD, SEED, AND MULCH IN ACCORDANCE WITH THE FDOT SPECIFICATION SECTION 104.

PERMANENT: ASPHALT OR CONCRETE SURFACE; SOD IN ACCORDANCE WITH FDOT SPECIFICATION SECTION 575. ALL STABILIZATION PRACTICES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. DOCUMENT THIS PORTION OF THE SWPPP IN ACCORDANCE WITH THE FDOT SPECIFICATION SECTION 104.

4. OFFSITE VEHICLE TRACKING

SOIL TRACKING PREVENTION DEVICES WILL BE INSTALLED AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES WILL BE CARRYING SOIL AWAY FROM THE PROJECT SITE. IN ADDITION, CONSTRUCTION VEHICLES WILL BE REQUIRED TO COVER THEIR LOADS TO MINIMIZE LOSS OF LOAD INTO THE AIR. DOCUMENT THIS PORTION OF THE SWPPP IN ACCORDANCE WITH THE FDOT INDEX 106.

5. APPROVED STATE AND LOCAL PLANS OR PERMITS

THIS PROJECT IS GOVERNED BY MIAMI–DADE COUNTY PUBLIC WORKS, MIAMI–DADE COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCE MANAGEMENT, THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND THE U.S. ARMY CORPS OF ENGINEERS.

6. MAINTENANCE

SILT BARRIER – REPLACE WHEN DAMAGED OR AT ONE (3) MONTH INTERVALS. REMOVE SEDIMENT WHEN IT REACHES A HEIGHT OF 4".

7. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY–FOUR (24) HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. WHERE SITES HAVE BEEN FINALLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH AT:

A. POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.
B. POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM SEWER SYSTEMS.
C. DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
D. AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
E. STRUCTURAL CONTROLS.
F. STORMWATER MANAGEMENT SYSTEMS.
G. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

ALL INSPECTIONS SHALL BE DOCUMENTED AND RETAINED ONSITE FOR INSPECTION BY PERMIT COMPLIANCE PERSONNEL. DAMAGED EROSION AND SEDIMENT CONTROL DEVICES FOUND DURING THESE INSPECTIONS SHALL BE REPAIRED WITHIN TWENTY–FOUR (24) HOURS OF THE INSPECTION AND COMPLETED WITHIN SEVENTY–TWO (72) HOURS.

## ABBREVIATIONS:

| | |
|---|---|
| ADA | AMERICANS WITH DISABILITIES ACT |
| CMP | CORRUGATED METAL PIPE |
| CONC | CONCRETE |
| DERM | DEPARTMENT OF ENVIRONMENTAL RESOURCE MANAGEMENT (MIAMI–DADE COUNTY) |
| EL | ELEVATION |
| EOP | EDGE OF PAVEMENT |
| EX | EXISTING |
| FDOT | FLORIDA DEPARTMENT OF TRANSPORTATION |
| INV | INVERT |
| MD–PROS | MIAMI–DADE COUNTY PARKS, RECREATION AND OPEN SPACES |
| MHW | MEAN HIGH WATER |
| MLW | MEAN LOW WATER |
| MLLW | MEAN LOWER LOW WATER |
| MOT | MAINTENANCE OF TRAFFIC |
| NAVD88 | NORTH AMERICAN VERTICAL DATUM OF 1988 |
| NGVD29 | NATIONAL GEODETIC VERTICAL DATUM OF 1929 |
| N,S,E,W | NORTH, SOUTH, EAST, WEST |
| OS | OFFSET |
| PGL | PROFILE GRADE LINE |
| PVC | POLYVINYL CHLORIDE PIPE |
| PVI | POINT OF VERTICAL INFLECTION |
| RCP | REINFORCED CONCRETE PIPE |
| TYP | TYPICAL |

RECRUITMENT AREA

SOD

PERMANENT WETLAND IMPACTS

TEMPORARY WETLAND IMPACTS

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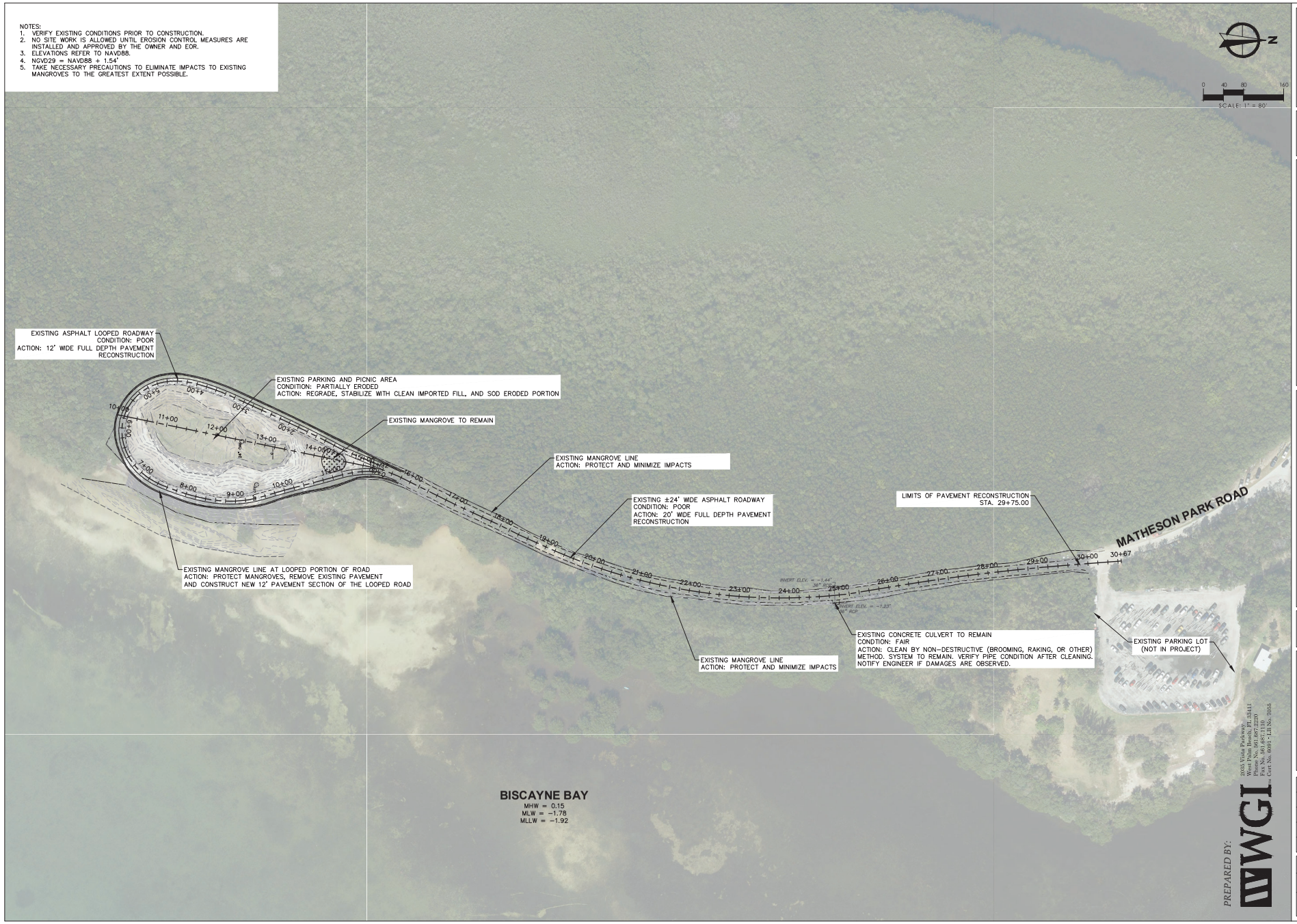
Cert No. 6091 - LB No. 7055

NOTES:
1. VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
2. NO SITE WORK IS ALLOWED UNTIL EROSION CONTROL MEASURES ARE INSTALLED AND APPROVED BY THE OWNER AND EOR.
3. ELEVATIONS REFER TO NAVD88.
4. NGVD29 = NAVD88 + 1.54'
5. TAKE NECESSARY PRECAUTIONS TO ELIMINATE IMPACTS TO EXISTING MANGROVES TO THE GREATEST EXTENT POSSIBLE.




STEPHEN C. CHERRY, PE
REGISTERED PROFESSIONAL ENGINEER
FLORIDA LICENSE NO. 54388
WGI
REGISTRATION NUMBER: EB-0000877 / LB-0000877-0003

MIAMI-DADE PARKS

**Miami-Dade County**
**Parks, Recreation and Open Spaces Department**

**PROS - Capital Programs Division**
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL. 33128

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

Sheet Title:
EXISTING CONDITIONS

| No | Date | Revisions Description |
|---|---|---|

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|---|---|
| DESIGNED BY: N.M. | DATE: JULY 2019 |
| DRAWN BY: N.M. | CKD BY: S.C |
| PROJECT MANAGER: S.C. | |
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CONTRACT No: 510601-18-003A

C-4

Sheet
4 OF 22

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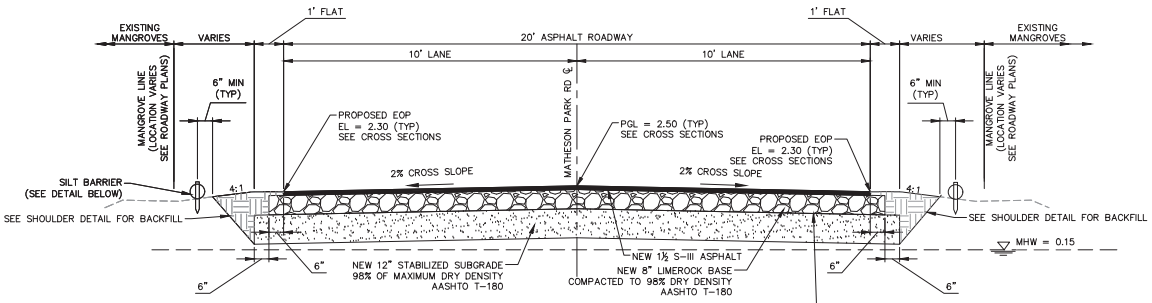


## WADING BEACH ROAD TYPICAL SECTION

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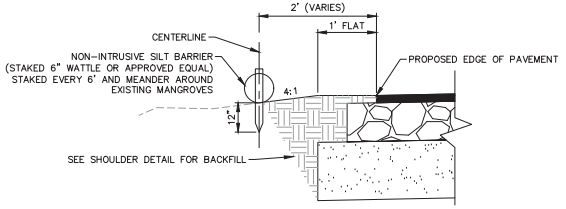


## SILT BARRIER DETAIL

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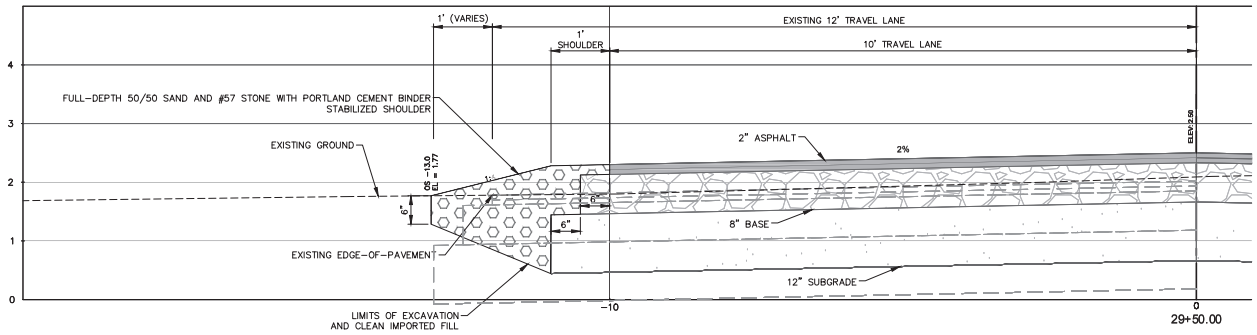


## SHOULDER DETAIL

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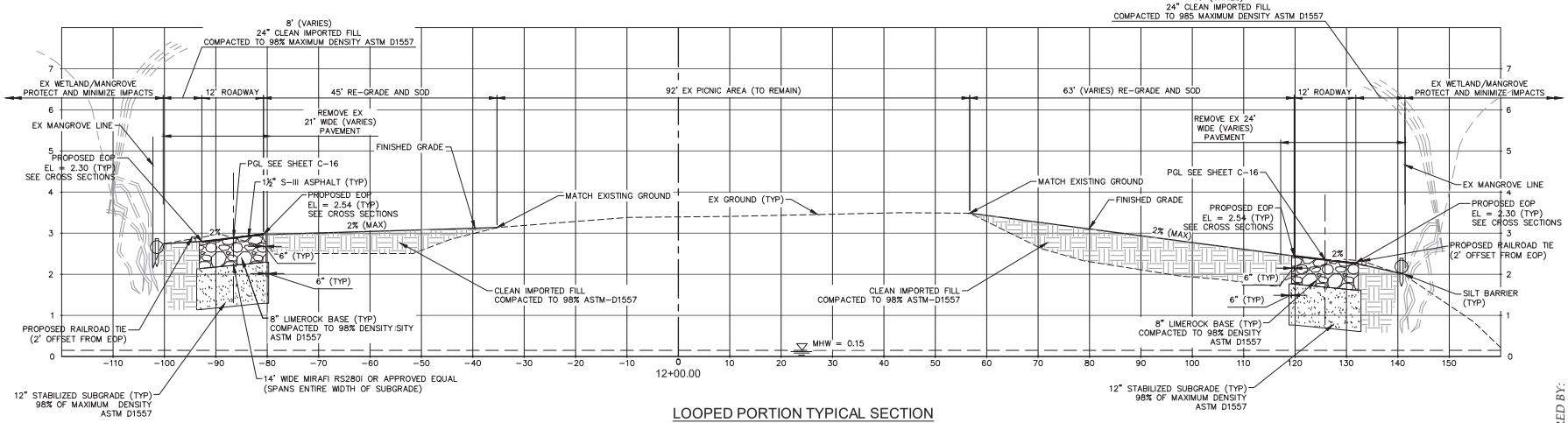
ROADWAY SHOULDERS SHALL BE STABILIZED TO THE DEPTHS INDICATED ON THE DRAWINGS WITH A MIXTURE OF 50/50 SAND AND #57 STONE WITH A PORTLAND CEMENT BINDER. THE 50/50 SAND/#57 STONE MIXTURE SHALL BE PLACED WITH AN ADDITIONAL 15 POUNDS(+/- 3 POUNDS) PER CUBIC FOOT OF 50/50 MIX, OF PORTLAND CEMENT AND MIXED (TILLED) ON SITE TO CREATE A UNIFORM SAND/#57 STONE/CEMENT (S/S/C) MIXTURE. FOLLOWING THE PLACEMENT AND MIXING THE S/S/C MATRIX SHALL BE COMPACTED TO 95% DENSITY PER ASTM D1557.




## LOOPED PORTION TYPICAL SECTION

NOT TO SCALE

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STEPHEN C. CHERRY, PE
PROJECT MANAGER
FLORIDA LICENSE NUMBER
73254
REGISTRATION & BUSINESS CERTIFICATE NUMBER 0000

MIAMI-DADE PARKS

Miami-Dade County
Parks, Recreation and Open Spaces Department

PROS - Capital Programs Division
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL. 33128

Project Title:
MATHESON HAMMOCK PARK
WADING BEACH ROAD RECONSTRUCTION
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

Sheet Title:
TYPICAL SECTION

| No | Date | Description |
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Revisions

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| DRAWN BY: N.M. | CKD BY: S.C |
| PROJECT MANAGER: S.C. | |
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CONTRACT No
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Sheet
5 OF 22

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*PREPARED BY:*

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Sheet 3 OF 22

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CONTRACT No 510601-18-003A

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PROJECT MANAGER: S.C.

DWN BY: N.M | CKD BY: S.C

DESIGNED BY: N.M. | DATE: JULY 2019

| Revisions | | |
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Sheet Title: KEY SHEET

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**
**Parks , Recreation and Open Spaces Department**
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275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

MIAMI-DADE PARKS

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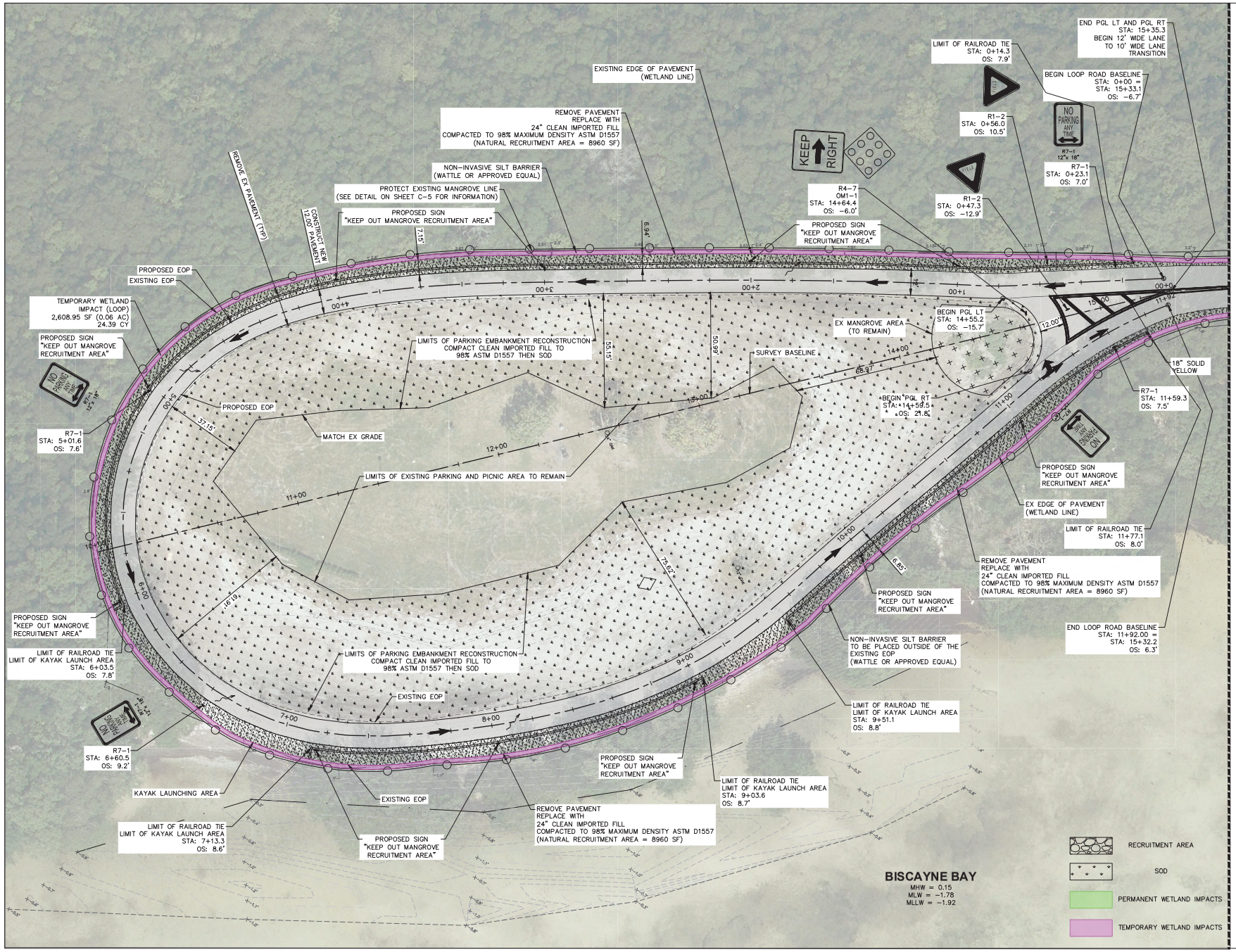


PREPARED BY:

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Cert. No. 6971-142 No. 7055

| No | Date | Revisions Description |
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DESIGNED BY: N.M. | DATE: JULY 2019
DRAWN BY: N.M. | CKD BY: S.C.
PROJECT MANAGER: S.C.
PLOT SCALE: AS NOTED | SIZE: ARCH D
FILE NAME: 4144 WADING BEACH ROAD_corridor.dwg

CONTRACT No: 910601-18-003A

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Sheet 6 OF 22

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

Sheet Title:
ROADWAY PLAN

**Miami-Dade County**
**Parks, Recreation and Open Spaces Department**
**PROS - Capital Programs Division**
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL. 33128

STEPHANIE C. CARRERO, PE
REGISTERED PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NUMBER 80771
REGISTRATION BOARD LICENSED 2007 - EXPIRES 2020

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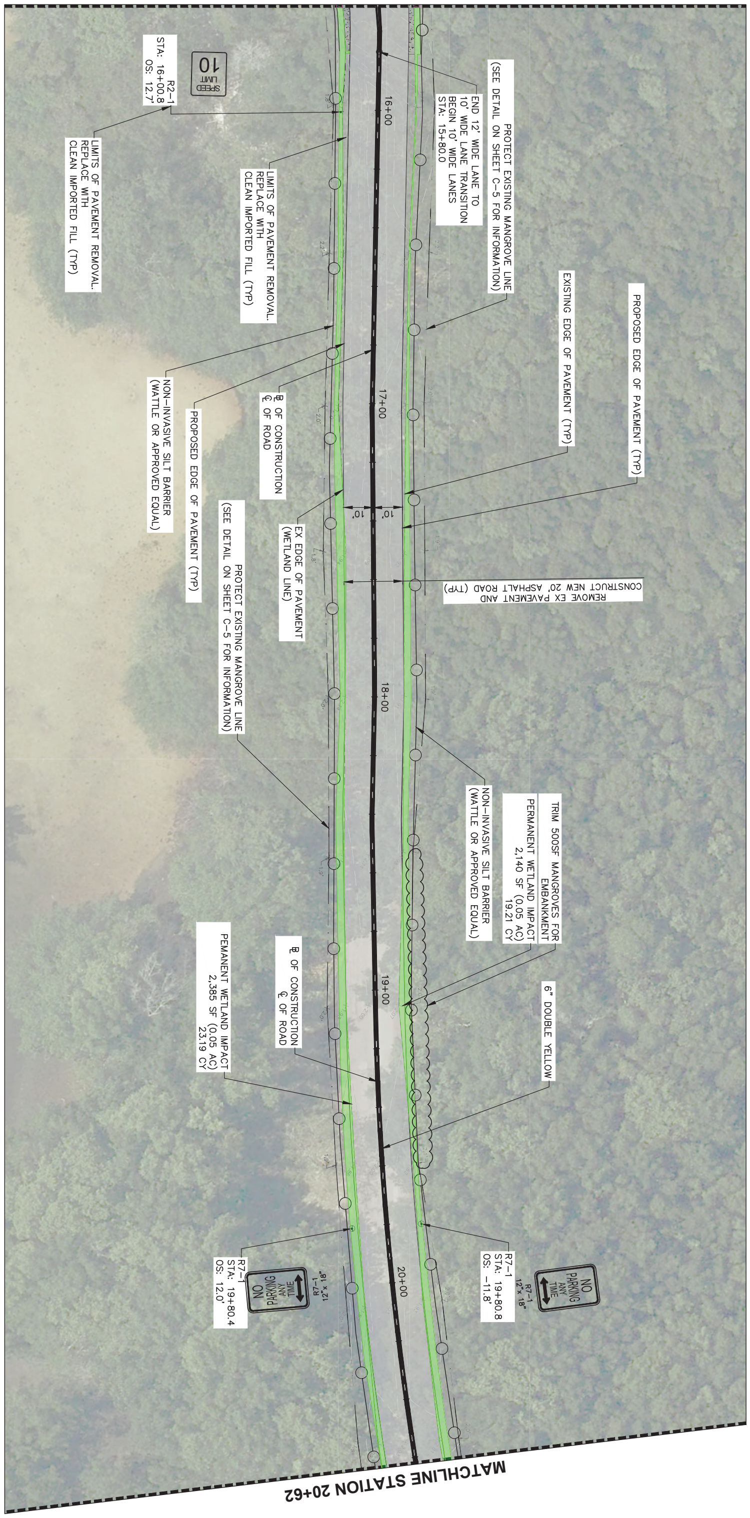
PERMANENT WETLAND IMPACTS

TEMPORARY WETLAND IMPACTS

**MATCHLINE STATION 15+63**




**MATCHLINE STATION 20+62**

SCALE: 1" = 20'
0 10 20 40

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| Sheet | C-7 |
| | 7 OF 22 |
| CONTRACT No. | 51060-18-003A |
| DESIGNED BY | N.M |
| DATE | JULY 2019 |
| DRAWN BY | N.M |
| CHECKED BY | S.C |
| PROJECT MANAGER | S.C. |
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Sheet Title: ROADWAY PLAN

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**
**Parks , Recreation and Open Spaces Department**
**PROS - Capital Programs Division**
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

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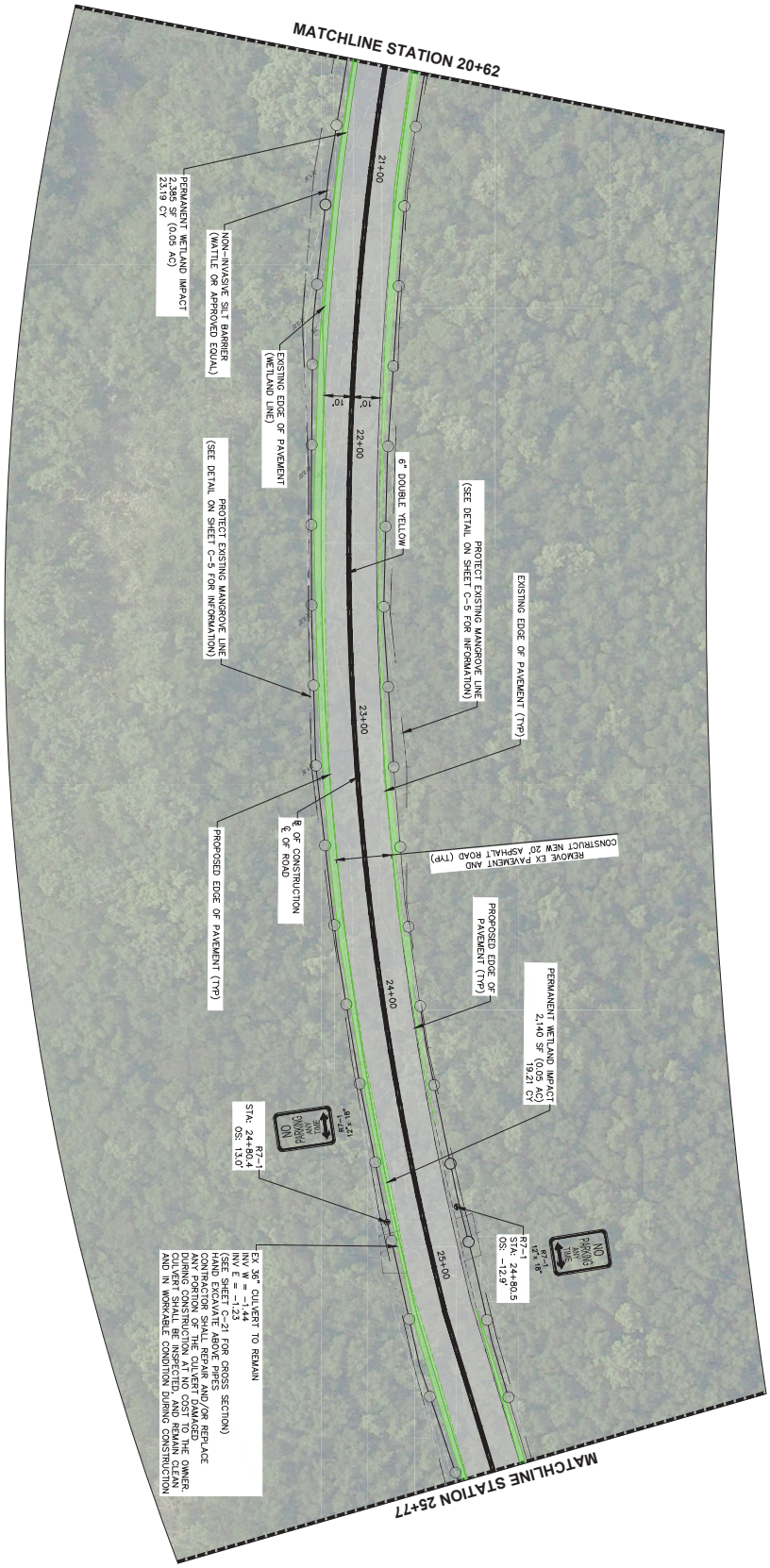


PERMANENT WETLAND IMPACTS

TEMPORARY WETLAND IMPACTS

SCALE: 1" = 20'

0 10 20 40

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*PREPARED BY:*

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Fax No. 561.687.1110
Cert No. 6091 - LB No. 7055

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| DESIGNED | DATE | DRAWN | DATE |
| N.M. | JULY 2019 | N.M. | JULY 2019 |
| CHECKED | | CHECKED | |
| S.C. | | S.C. | |
| PROJECT MANAGER | | | |
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Sheet 8 OF 22

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Sheet Title:
ROADWAY PLAN

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

16

**Miami-Dade County**
**Parks , Recreation and Open Spaces Department**

**PROS - Capital Programs Division**
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MIAMI-DADE PARKS

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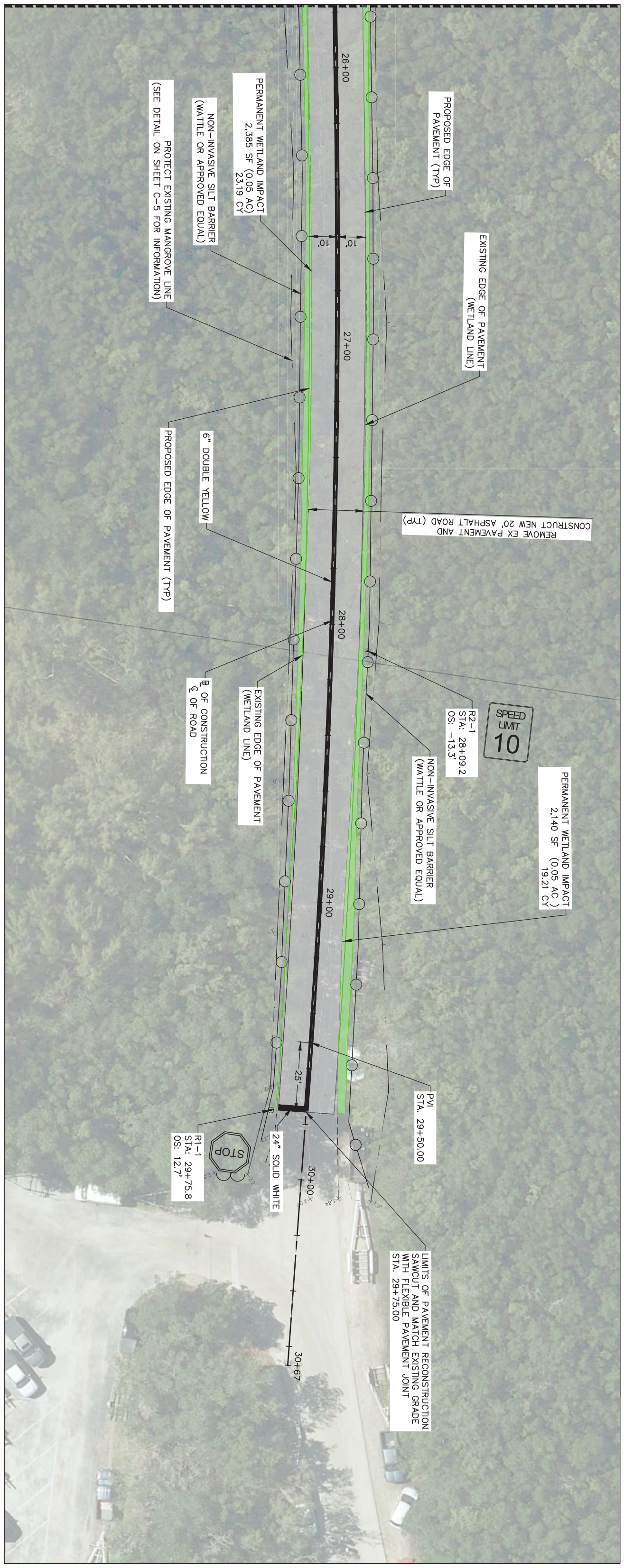
## MATCHLINE STATION 25+77

PERMANENT WETLAND IMPACTS

TEMPORARY WETLAND IMPACTS




SCALE: 1" = 20'

0 10 20 40

N

*PREPARED BY:*

WGI
2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 - LB No. 7055

| DESIGNED BY: | DATE: |
|---|---|
| N.M. | JULY 2019 |
| DWN BY: N.M | CKD BY: S.C |
| PROJECT MANAGER: S.C. | |
| PLOT SCALE: AS NOTED | SIZE ARCH D |
| FILE NAME: 4144 WADING BEACH ROAD_corridor.dwg | |

CONTRACT No 510601-18-003A

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Sheet 9 OF 22

| Revisions | | |
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| No | Date | Description |
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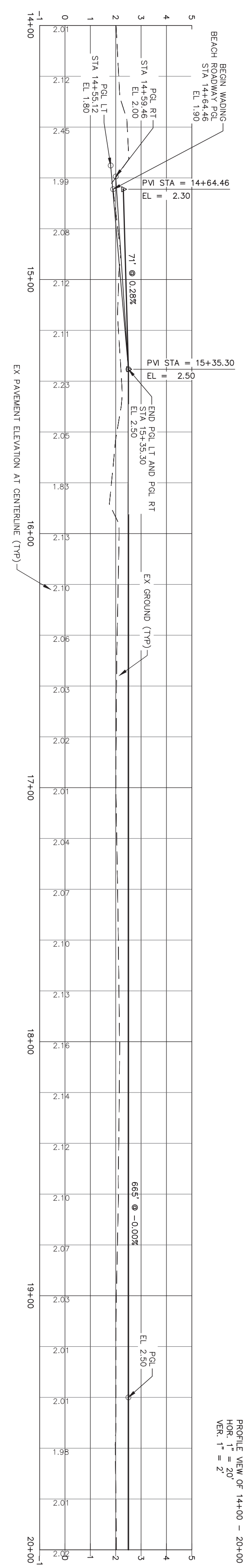
Sheet Title: ROADWAY PLAN

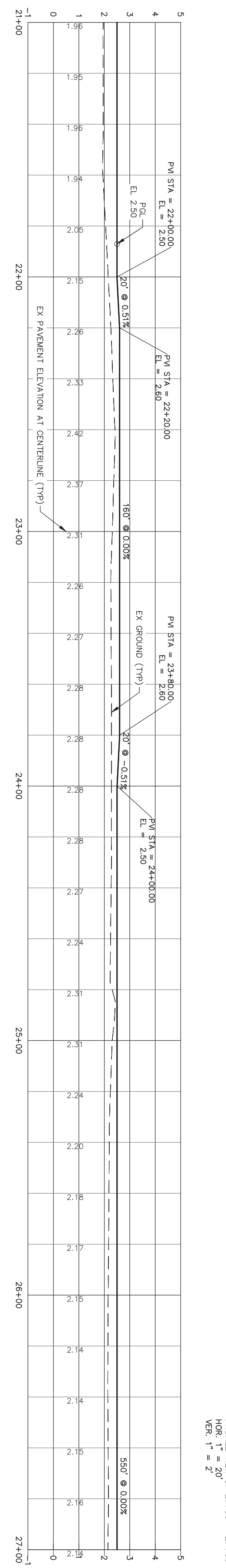
Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

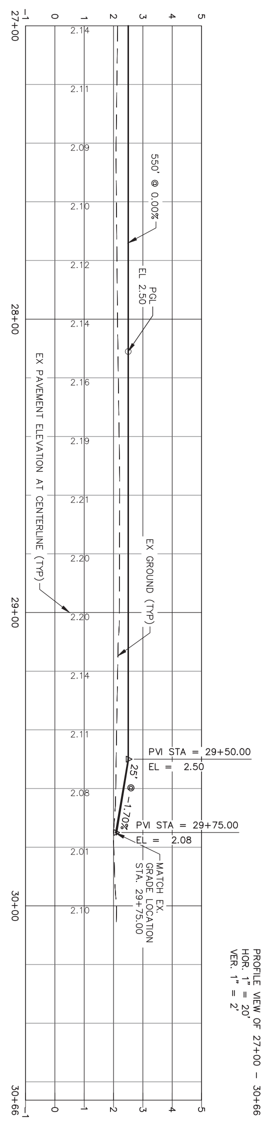
**Miami-Dade County**
**Parks , Recreation and Open Spaces Department**
**PROS - Capital Programs Division**
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

MIAMI-DADE PARKS

STEPHEN C. CHERRY, PE
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. PE 83268
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561)687-2220

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| No | Date | Description |
|---|---|---|
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DESIGNED BY: N.M | DRAWN BY: N.M | CHECKED BY: S.C | DATE: JULY 2019
PROJECT MANAGER: S.C.
PLOT SCALE: AS NOTED | SIZE: ARCH D
FILE NAME: 4144 WADING BEACH ROAD_corridor.dwg
CONTRACT No. 51060-18-003A

Sheet Title: ROADWAY PROFILE

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**
**Parks , Recreation and Open Spaces Department**
**PROS - Capital Programs Division**
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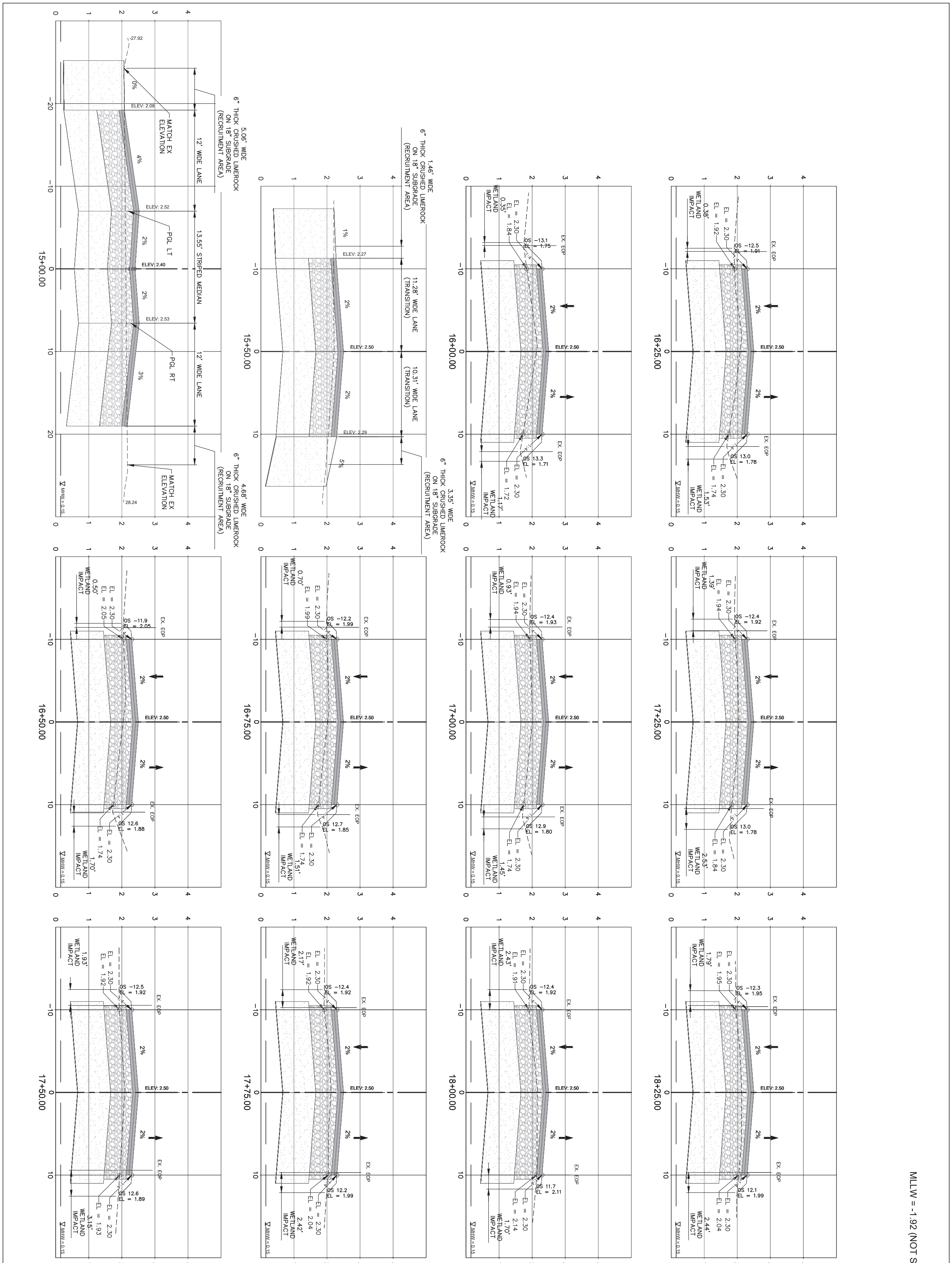
WEST PALM BEACH, FLORIDA 33411 (561)687-2220

C-10
Sheet 10 OF 22

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| Revisions | | |
|---|---|---|
| No | Date | Description |

DESIGNED BY: S.C. | DATE: JULY 2019
DRAWN BY: N.M | CHECKED BY: S.C
PROJECT MANAGER: N.M
PLOT SCALE: AS NOTED | SIZE: ARCH D
FILE NAME: 4144 WADING BEACH ROAD_corridor.dwg
CONTRACT No. 510601-18-003A

Sheet Title: CROSS SECTION (20' WIDE MAIN ROAD)

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**
**Parks , Recreation and Open Spaces Department**
**PROS - Capital Programs Division**
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

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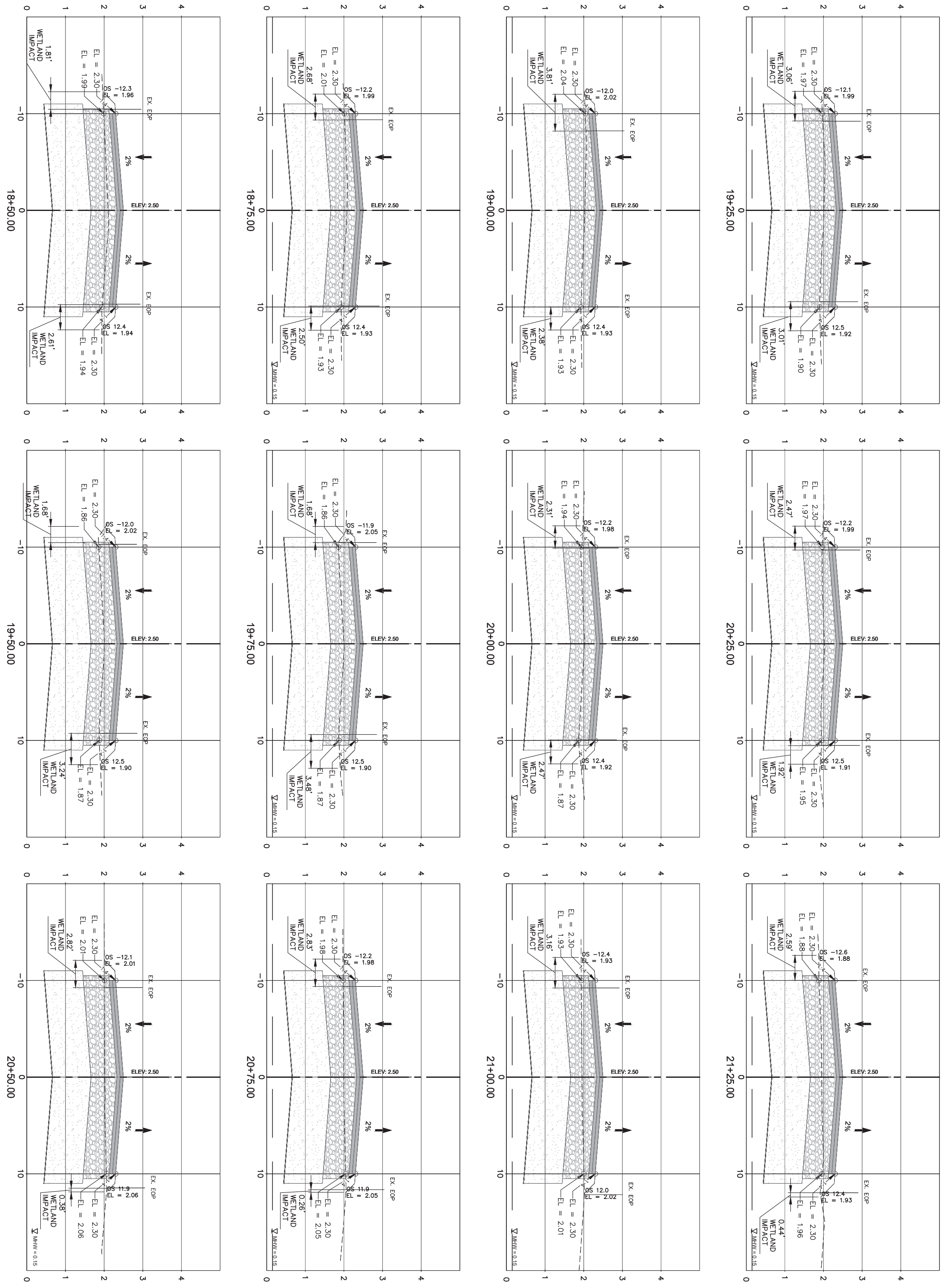
WEST PALM BEACH, FLORIDA 33411 (561)687-2220

C-11
Sheet 11 OF 22




MLLW = -1.92 (NOT SHOWN)

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Fax No. 561.687.1110
Cert No. 6091 • LB No. 7055

| Revisions | | |
|---|---|---|
| No | Date | Description |

Sheet Title: CROSS SECTION (20' WIDE MAIN ROAD)

Project Title:

**MATHESON HAMMOCK PARK**

**WADING BEACH ROAD RECONSTRUCTION**

9610 OLD CUTLER ROAD

CORAL GABLES, FLORIDA 33156

**Miami-Dade County**

**Parks , Recreation and Open Spaces Department**

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275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

MIAMI-DADE PARKS

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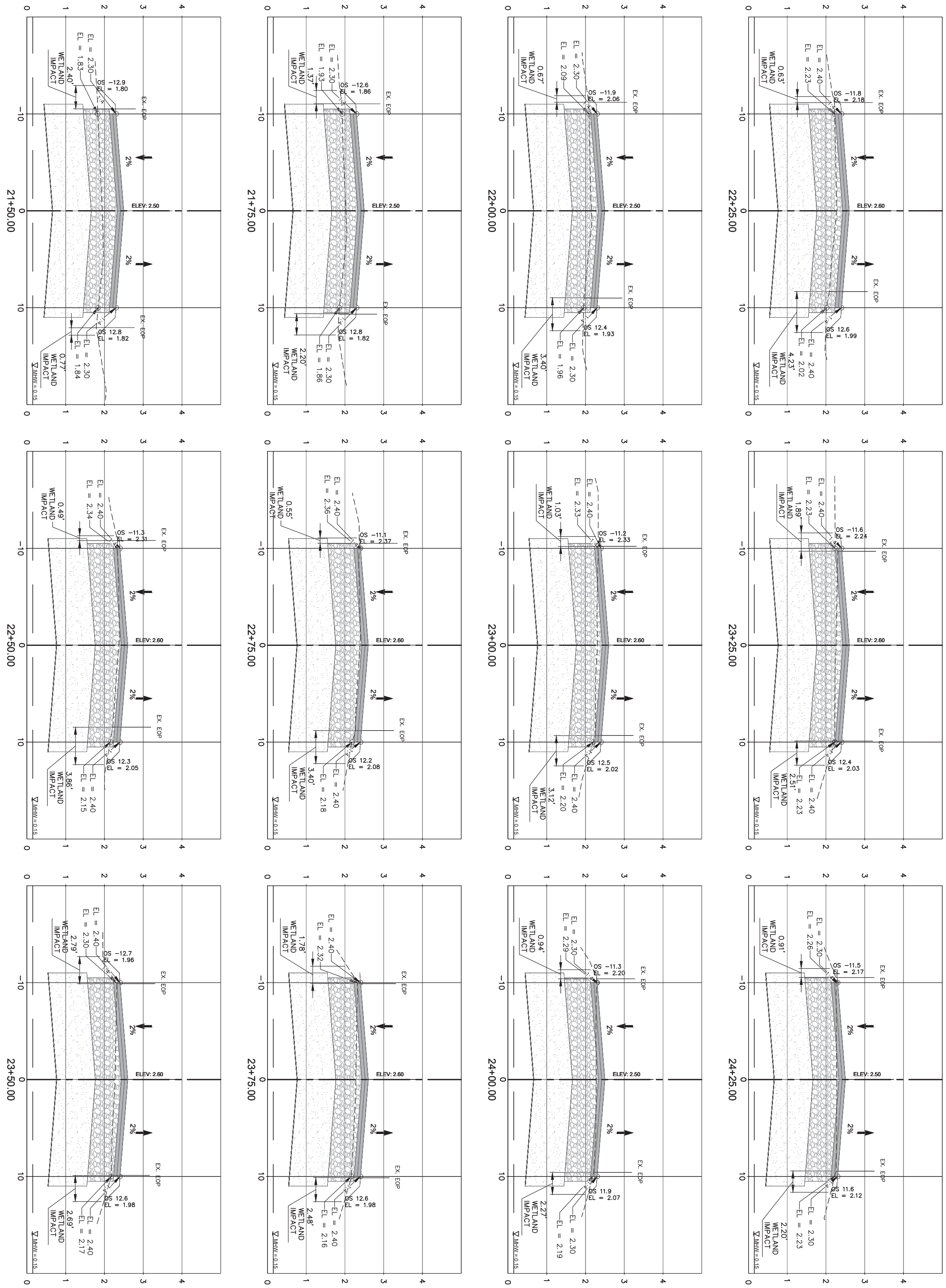
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561)687-2220

DESIGNED BY: N.M | DATE: JULY 2019
DRAWN BY: N.M | CHECKED BY: S.C
PROJECT MANAGER: S.C
PLOT SCALE: AS NOTED | SIZE: ARCH D
FILE NAME: 4144 WADING BEACH ROAD_corridor.dwg

CONTRACT No. 51060-118-003A

C-12

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Cert No. 6091 - LB No. 7055


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|---|---|
| Sheet | 13 OF 22 |
| | C-13 |
| CONTRACT No | 510601-18-003A |
| FILE NAME: | 4144 WADING BEACH ROAD_corridor.dwg |
| PLOT SCALE: | AS NOTED |
| SIZE | ARCH D |
| PROJECT MANAGER: | S.C. |
| DWN BY: | N.M |
| CKD BY: | S.C |
| DESIGNED BY: | N.M. |
| DATE: | JULY 2019 |

| Revisions | | |
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| No | Date | Description |
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Sheet Title:
CROSS SECTION (20' WIDE MAIN ROAD)

Project Title:

**MATHESON HAMMOCK PARK**

**WADING BEACH ROAD RECONSTRUCTION**

9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**

**Parks , Recreation and Open Spaces Department**

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275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

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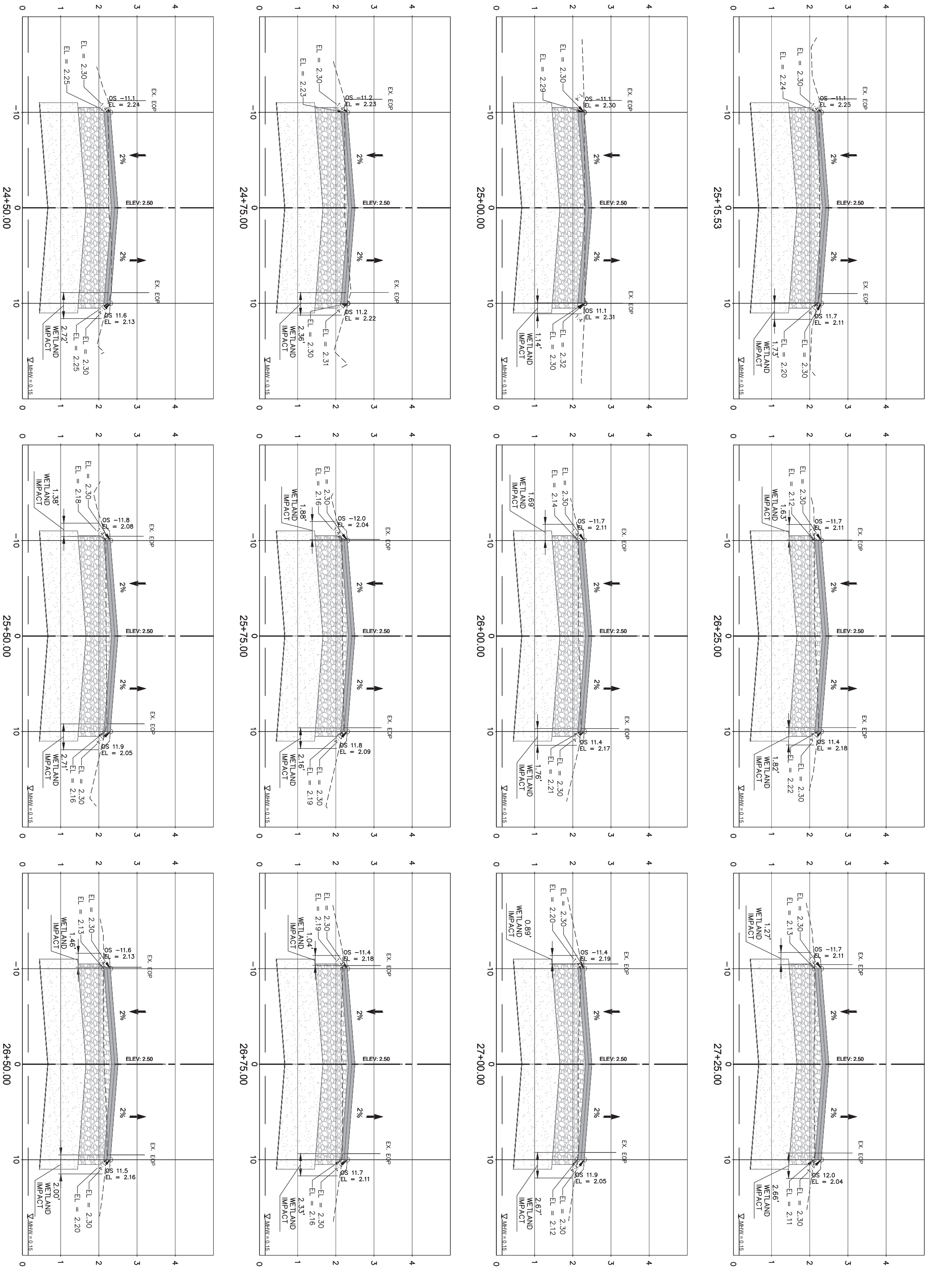
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561)687-2220

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| Revisions | | |
|---|---|---|
| No | Date | Description |

Sheet Title: CROSS SECTION (20' WIDE MAIN ROAD)

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
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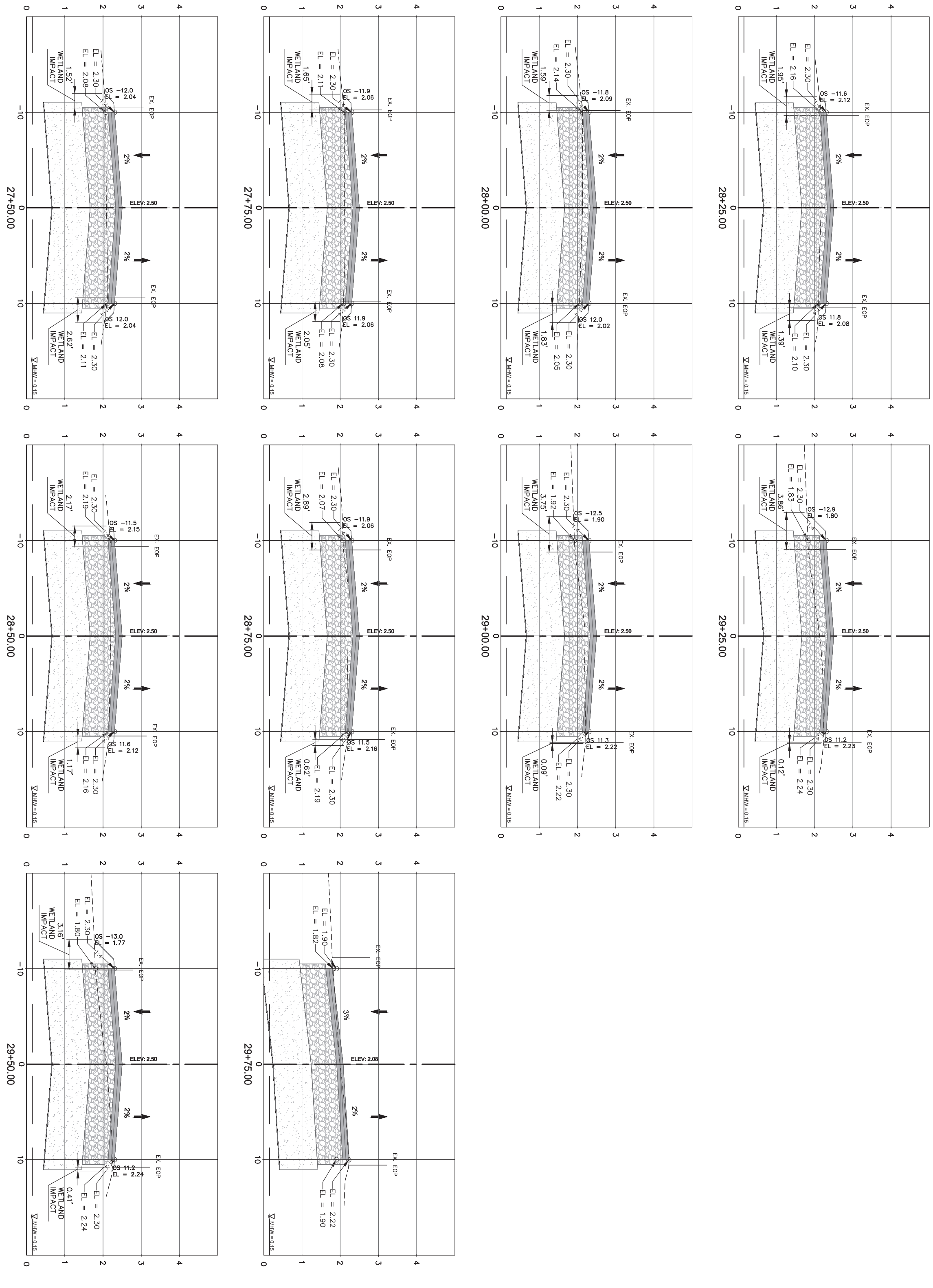
**Miami-Dade County**
**Parks , Recreation and Open Spaces Department**
**PROS - Capital Programs Division**
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

DESIGNED BY: N.M | DATE: JULY 2019
DRAWN BY: N.M | CHECK BY: S.C
PROJECT MANAGER: S.C
PLOT SCALE: AS NOTED | SIZE: ARCH D
FILE NAME: 4144 WADING BEACH ROAD_corridor.dwg
CONTRACT No. 50601-18-003A

C-14
Sheet 14 OF 22

STEPHEN C. CHERRY, PE
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. PE 63268
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561)687-2220




MLLW = -1.92 (NOT SHOWN)

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Phone No. 561.687.2220
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Cert No. 6091 • LB No. 7055

CONTRACT No. 51060-18-003A

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| Revisions | | |
|---|---|---|
| No | Date | Description |

Sheet Title: CROSS SECTION (20' WIDE MAIN ROAD)

Project Title:

## MATHESON HAMMOCK PARK

## WADING BEACH ROAD RECONSTRUCTION

9610 OLD CUTLER ROAD

CORAL GABLES, FLORIDA 33156

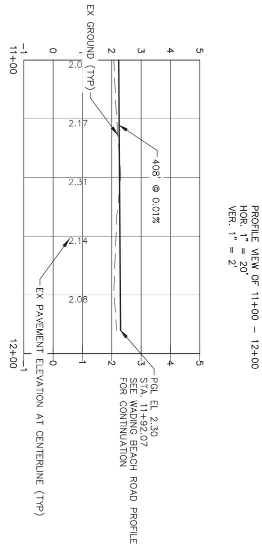
**Miami-Dade County**

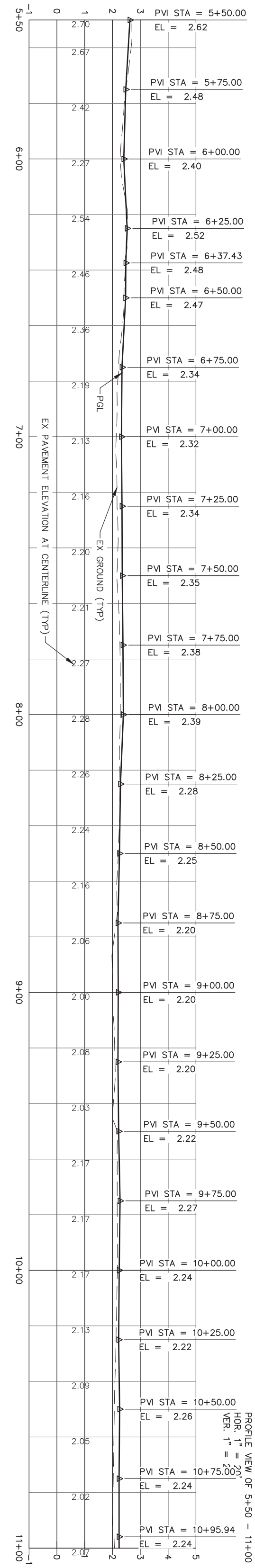
**Parks , Recreation and Open Spaces Department**

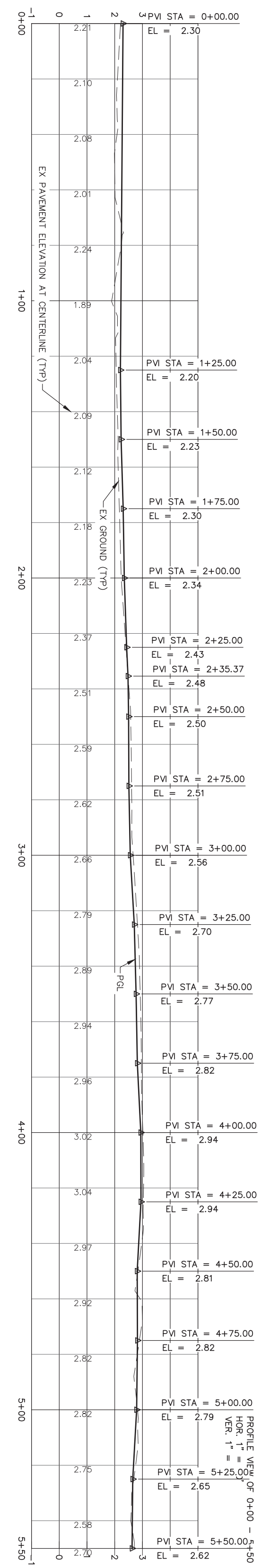
**PROS - Capital Programs Division**

275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

STEPHEN C. CHERRY, PE
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. PE 83268
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561)687-2220

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Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 • LB No. 7055

16 OF 22
Sheet
C-16
CONTRACT No
51060-18-003A

| DESIGNED BY | DATE |
|---|---|
| N.M | JULY 2019 |
| DRAWN BY | CHECKED BY |
| N.M | S.C |
| PROJECT MANAGER | |
| S.C. | |
| PLOT SCALE | SIZE |
| AS NOTED | ARCH D |
| FILE NAME | |
| 4144 WADING BEACH ROAD_corridor.dwg | |

Revisions

| No | Date | Description |
|---|---|---|
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Sheet Title:
LOOP PROFILE

Project Title:

**MATHESON HAMMOCK PARK**

**WADING BEACH ROAD RECONSTRUCTION**

9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**

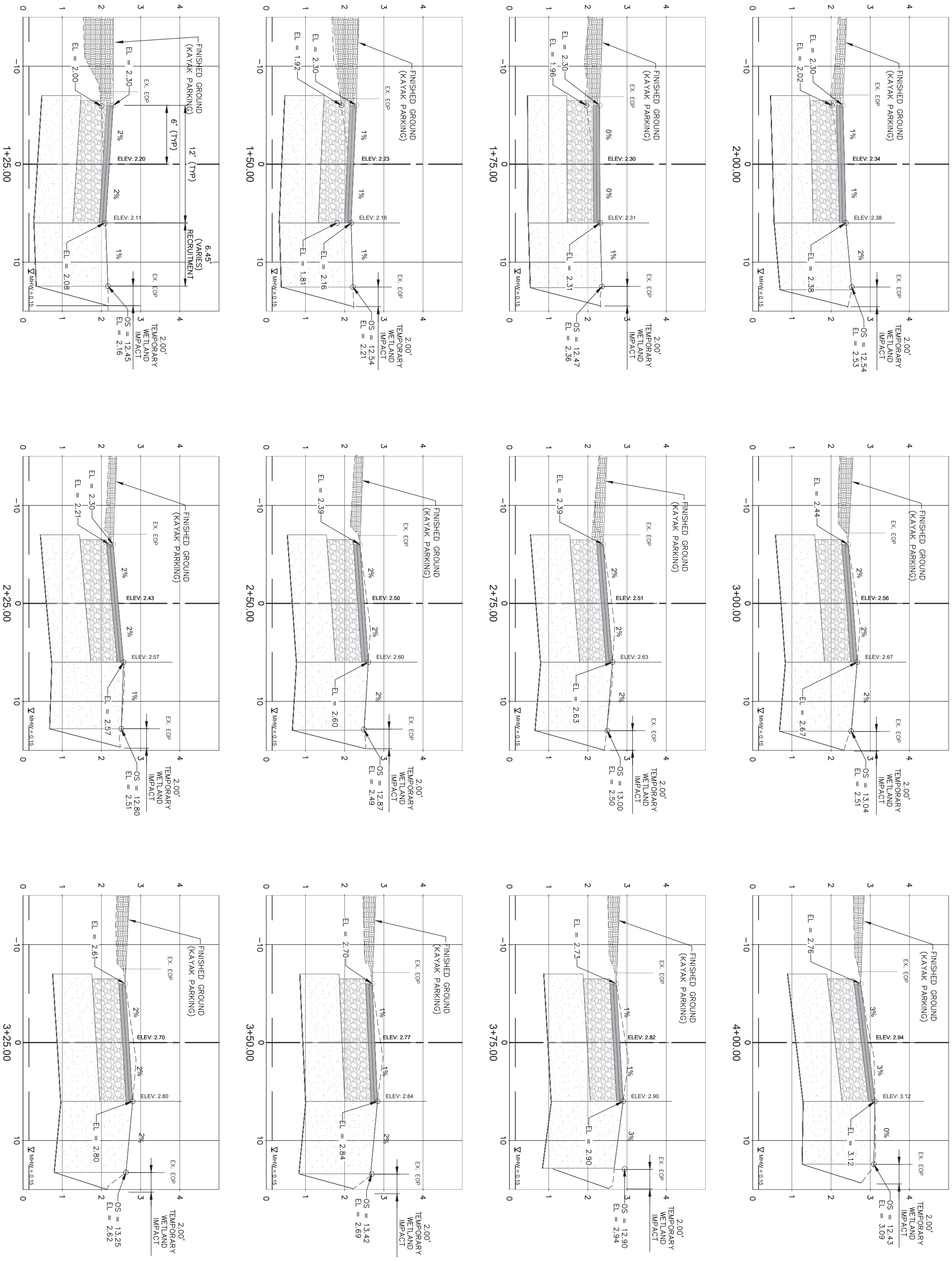
**Parks , Recreation and Open Spaces Department**

**PROS - Capital Programs Division**
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

MIAMI-DADE PARKS

STEPHEN C. CHERRY, PE
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. PE 63268
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561)687-2220

Stephen Cherry C:\pwworking\wgi\stephen\d1544482\4144 WADING BEACH ROAD_corridor.dwg transp Plotted: 3/15/2021 3:19:38 PM Saved: 3/15/2021 3:12:06 PM




MLLW = -1.92 (NOT SHOWN)

PREPARED BY: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2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 • LB No. 7055


| Revisions | | |
|---|---|---|
| No | Date | Description |

Sheet Title: CROSS SECTION (12' WIDE LOOP ROAD)

Project Title:

# MATHESON HAMMOCK PARK

## WADING BEACH ROAD RECONSTRUCTION

9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**

**Parks , Recreation and Open Spaces Department**

**PROS - Capital Programs Division**

275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

MIAMI-DADE PARKS

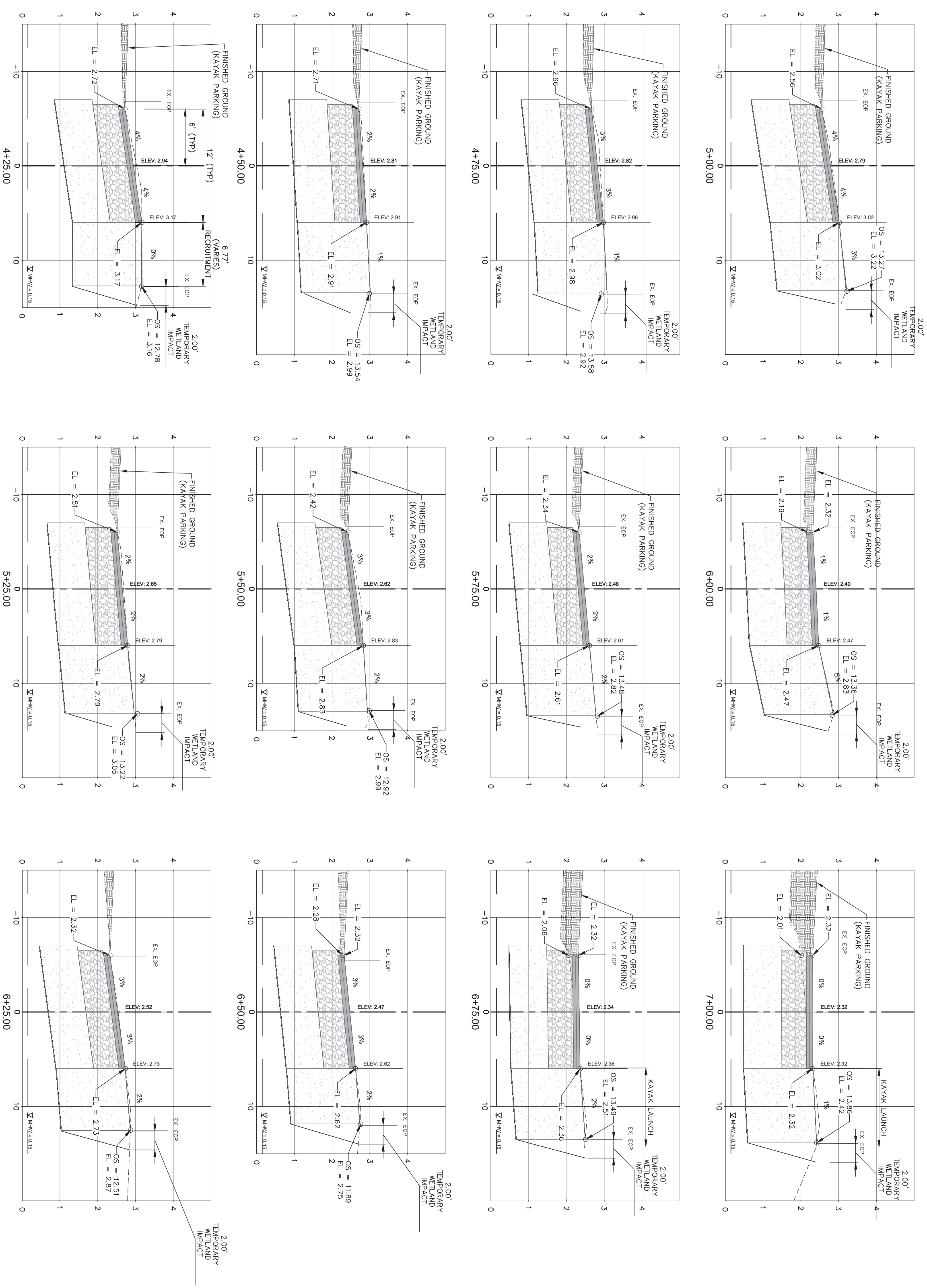
STEPHEN C. CHERRY, PE
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. PE 63268
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561)687-2220

DESIGNED BY: N.M | DATE: JULY 2019
DRAWN BY: N.M | CHECKED BY: S.C
PROJECT MANAGER: S.C.
PLOT SCALE: AS NOTED | SIZE: ARCH D
FILE NAME: 4144 WADING BEACH ROAD_corridor.dwg

CONTRACT No. 51060-18-003A

C-17

Sheet 17 OF 22

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2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 - LB No. 7055

Sheet 18 OF 22

C-18

CONTRACT No 510601-18-003A

DESIGNED BY: N.M. DATE: JULY 2019
DWN BY: N.M CKD BY: S.C
PROJECT MANAGER: S.C.
PLOT SCALE: AS NOTED SIZE: ARCH D
FILE NAME: 4144 WADING BEACH ROAD_corridor.dwg

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Sheet Title: CROSS SECTION (12' WIDE LOOP ROAD)

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**
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275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

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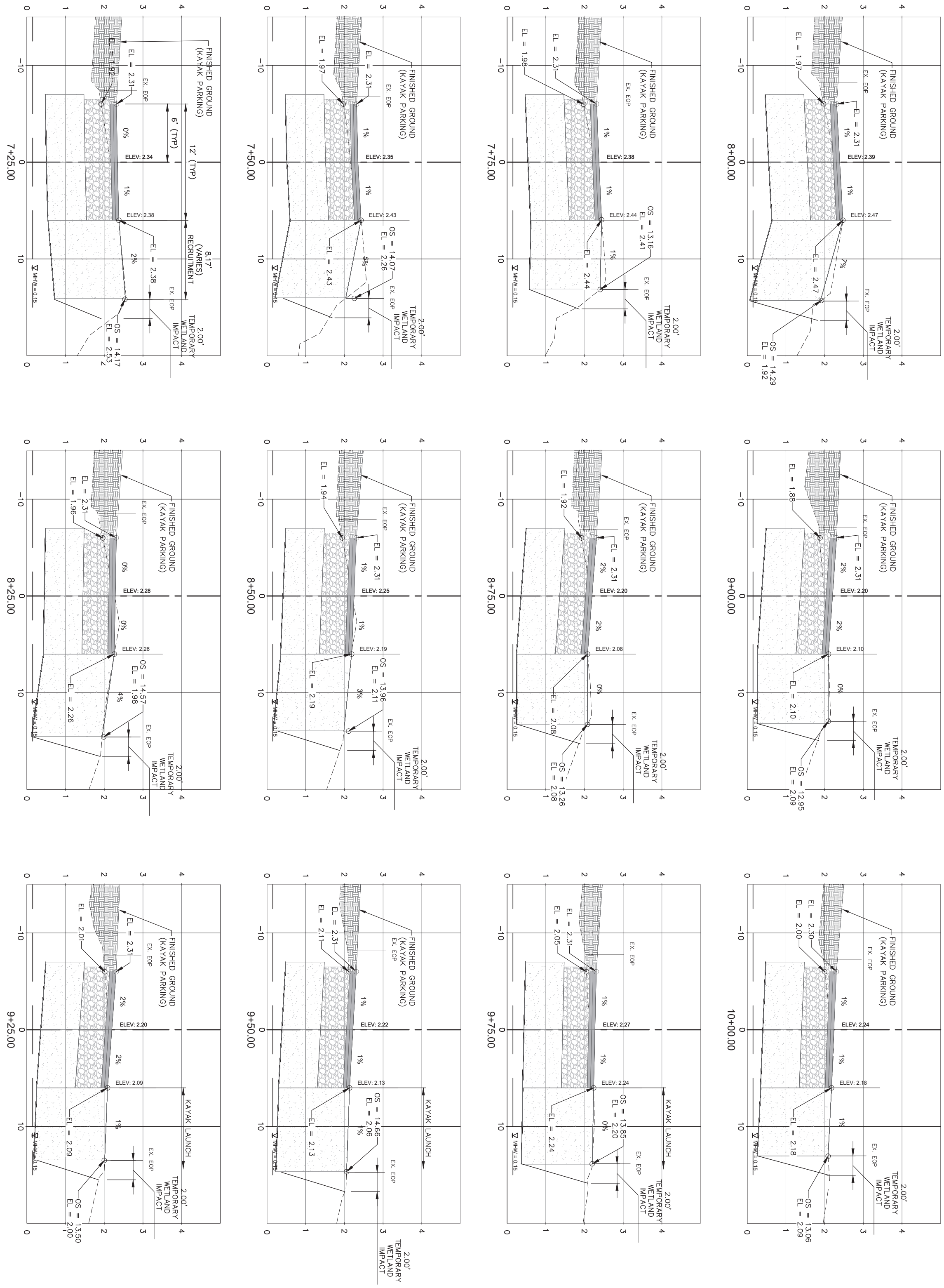
FLORIDA LICENSE No. PE 83268
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561)687-2220




MLLW = -1.92 (NOT SHOWN)

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Phone No. 561.687.2220
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Cert No. 6091 - LB No. 7055

| | |
|---|---|
| Sheet | 19 OF 22 |
| | C-19 |
| CONTRACT No | 510601-18-003A |
| FILE NAME: | 4144 WADING BEACH ROAD_corridor.dwg |
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| PROJECT MANAGER: | S.C. |
| DWN BY: | N.M |
| CKD BY: | S.C |
| DESIGNED BY: | N.M. |
| DATE: | JULY 2019 |

Revisions

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Sheet Title:
CROSS SECTION (12' WIDE LOOP ROAD)

Project Title:
## MATHESON HAMMOCK PARK
### WADING BEACH ROAD RECONSTRUCTION
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**
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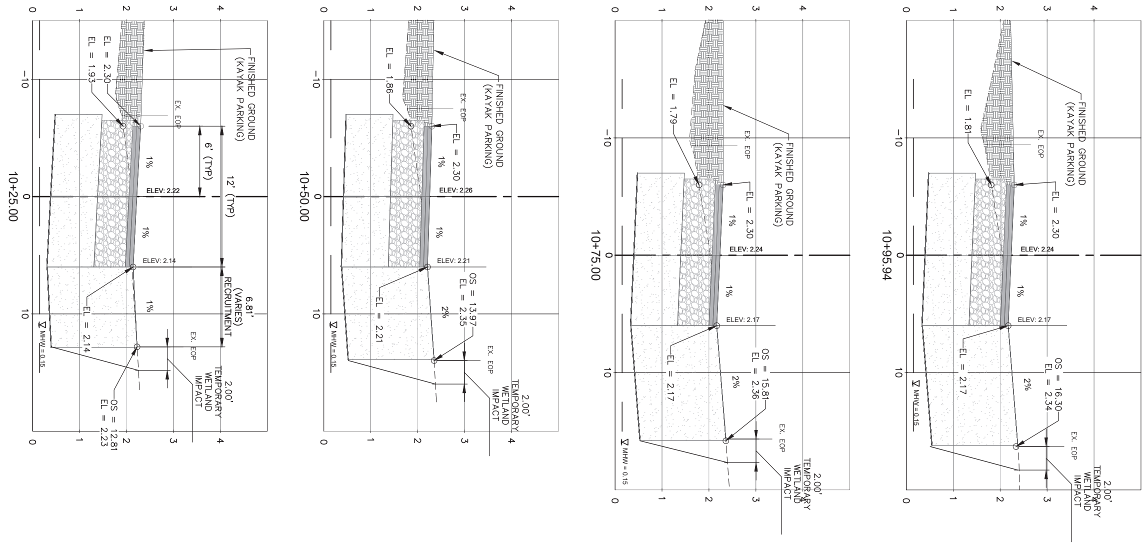


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Fax No. 561.687.1110
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| Revisions | | |
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| No | Date | Description |
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Sheet Title: CROSS SECTION (12' WIDE LOOP ROAD)

Project Title:

**MATHESON HAMMOCK PARK**

**WADING BEACH ROAD RECONSTRUCTION**

9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**

**Parks , Recreation and Open Spaces Department**

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275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

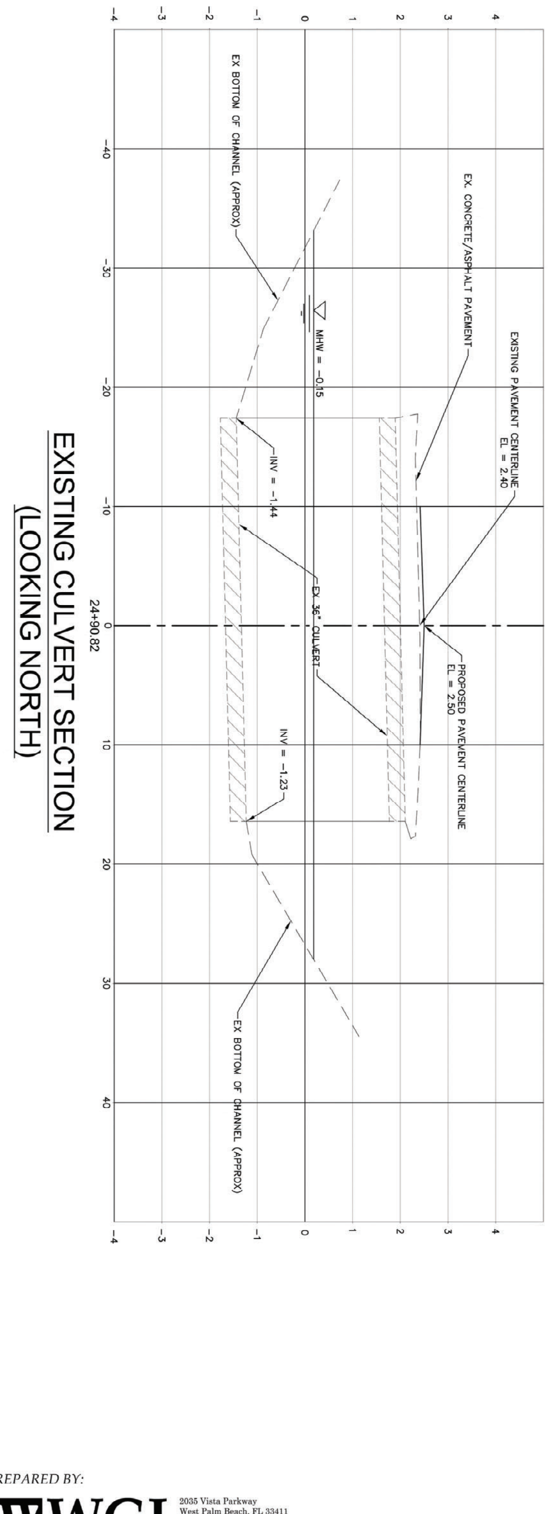
MIAMI-DADE PARKS

Designed by: N.M — Date: JULY 2019
Drawn by: N.M — Chk'd by: S.C
Project Manager: S.C.
Plot Scale: AS NOTED — Size: ARCH D
File Name: 4144 WADING BEACH ROAD_corridor.dwg
CONTRACT No. 51060-18-003A

C-20

Sheet 20 OF 22

STEPHEN C. CHERRY, PE
PROFESSIONAL ENGINEER
FLORIDA LICENSE No. PE 83268
2035 VISTA PARKWAY
WEST PALM BEACH, FLORIDA 33411 (561)687-2220



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2035 Vista Parkway
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Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 · LB No. 7055

Sheet Title: CULVERT CROSS SECTION

Project Title:
**MATHESON HAMMOCK PARK**
**WADING BEACH ROAD RECONSTRUCTION**
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

**Miami-Dade County**
**Parks , Recreation and Open Spaces Department**
**PROS - Capital Programs Division**
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

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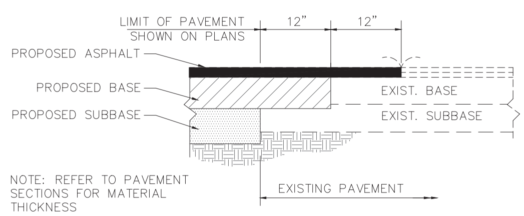
Sheet 21 OF 22




## FLEXIBLE PAVEMENT JOINT

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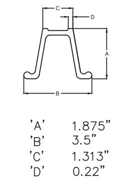
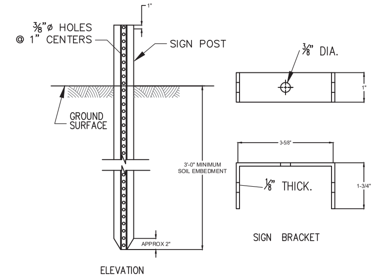
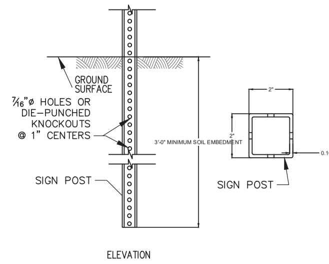



STEEL FLANGED CHANNEL POST DETAILS




STEEL SQUARE TUBE POST DETAILS

## GENERAL SPECIFICATIONS:

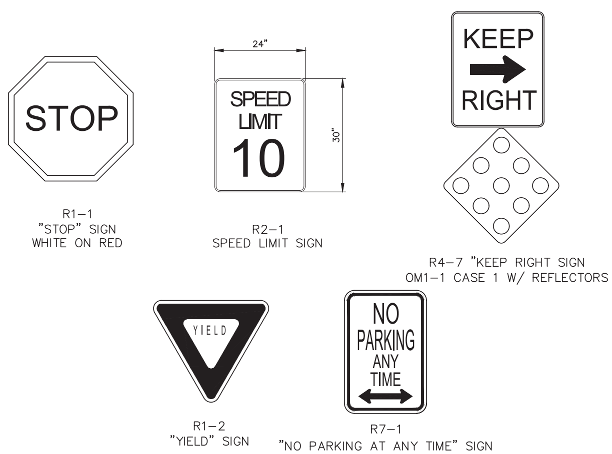
POST: STEEL FLANGED CHANNEL POST 3 LBS. PER FOOT WITH BAKED GREEN ALKYD OR GALVANIZED FINISH PER A.S.T.M. –A–123 WITHOUT ANCHOR PLATES. SQUARE POST PER FDOT INDEX 11865. BRACKETS SHALL BE ATTACHED FIRMLY ON STANDARD SQUARE TUBE OR U–CHANNEL POSTS BY MEANS OF (2) 5⁄16"

STOP SIGN: R1–1 MUTCD – 30" X 30" (HIGH INTENSITY)

LOCATION: ONE PER INTERSECTION AS INDICATED ON THE PLANS.

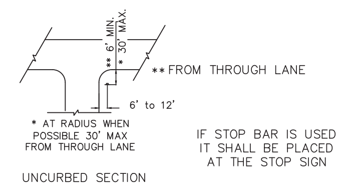
POLICY: 9" BLADES WITH 6" LETTERS FOR TWO LANE ROADS WITH A SPEED LIMIT UNDER 45 MPH.

12" BLADES WITH 9" LETTERS:
THOROUGHFARE ROADS FOUR LANES OR WIDER. TWO LANE ROADS WITH A POSTED SPEED LIMIT OF 45 MPH OR MORE. ONLY ONE BLADE WILL BE USED INDICATING THE SIDE STREET NAME.

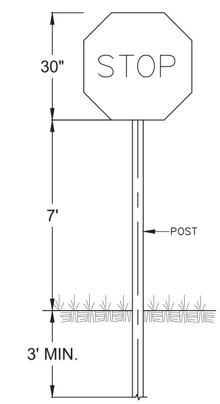



## SIGN LIBRARY

SCALE: NONE

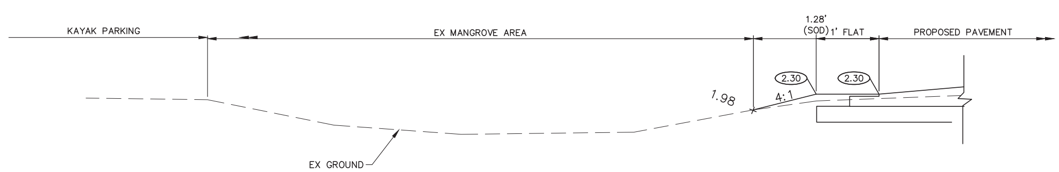



TYPICAL STOP SIGN PLACEMENT



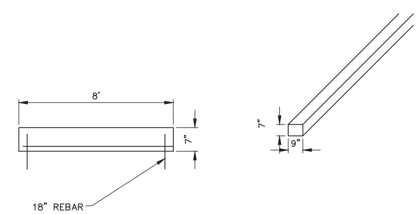

## TYPICAL SIGN DETAIL

SCALE: NONE




## EX MANGROVE AREA

SCALE: NONE




## TYPICAL RAILROAD TIE DETAIL

SCALE: NONE

PREPARED BY:
WGI
2035 Vista Parkway
West Palm Beach, FL 33411
Phone No. 561.687.2220
Fax No. 561.687.1110
Cert No. 6091 • LB No. 7055

Miami-Dade County
Parks , Recreation and Open Spaces Department
PROS - Capital Programs Division
275 N.W 2nd STREET, 4th FLOOR, MIAMI, FL, 33128

Project Title:
MATHESON HAMMOCK PARK
WADING BEACH ROAD RECONSTRUCTION
9610 OLD CUTLER ROAD
CORAL GABLES, FLORIDA 33156

Sheet Title: DETAILS

| Revisions | | |
|---|---|---|
| No | Date | Description |

DESIGNED BY: N.M. DATE: JULY 2019
DWN BY: N.M CKD BY: S.C
PROJECT MANAGER: S.C.
PLOT SCALE: AS NOTED SIZE: ARCH D
FILE NAME: 4144 WADING BEACH ROAD_corridor.dwg
CONTRACT No 510601-18-003A
C-22
Sheet 22 OF 22

**PERMIT APPLICANT / AUTHORIZED AGENT STATEMENT**

Date: 9/10/20

Miami Dade County Department of Regulatory and Economic Resources
Class I Permitting Program
701 NW 1st Court
Miami, FL 33136

Re: Class I Standard Form Permit Application Number CLI-2019-0365

By the attached Class I Standard Form permit application with supporting documents, I, Greg Griffith (WGI), am the permit applicant/applicant's authorized agent (circle one) and hereby request permission to perform the work associated with Class I Permit Application CLI-2019-0365. I understand that a Miami-Dade County Class I Standard Form Permit is required to perform this work.

If approval is granted for the proposed work by the Board of County Commissioners, complete and detailed plans and calculations of the proposed work shall be prepared by an engineer licensed in the State of Florida in accordance with the minimum requirements of Chapter 24 of the Code of Miami-Dade County, Florida. Said plans and calculations shall be subject to the review and approval of the Department. The permit applicant will secure the services of an engineer licensed in the State of Florida to conduct inspections throughout the construction period, and said engineer shall prepare all required drawings of record. In the event that the proposed work which is the subject of this Class I Permit application involves the cutting or trimming of a mangrove tree(s), a detailed plan of the proposed cutting or trimming shall be prepared by a licensed landscape architect and submitted to the Department for review and approval, and the permit applicant will secure the services of a licensed landscape architect to supervise the trimming or cutting.

Respectfully submitted,

_____

(Permit Applicants Name), Permit Applicant

Greg Griffith

(Authorized Agent's Name), Authorized Agent

## ENGINEER LETTER OF CERTIFICATION

Date: 9/21/2020

Miami-Dade County Department of Regulatory and Economic Resources
Class I Permitting Program
701 NW 1st Court
Miami, Florida 33136

RE: Class I Permit Application Number CLI-2019-0365

Ladies and Gentlemen:

This letter will certify that I am an engineer licensed in the State of Florida, qualified by education and experience in the area of engineering design and inspection, and that to the best of my knowledge and belief, the proposed work does not violate any laws, rules, or regulations of the State of Florida or any provisions of the Code of Miami-Dade County which may be applicable; that diligence and recognized standard practices of the engineering profession have been exercised in the engineer's design of the proposed work; and in my opinion based upon my knowledge and belief, the following will not occur:

a. Harmful obstruction or undesirable alteration of the natural flow of the water within the area of the proposed work.

b. Harmful or increased erosion, shoaling of channels or stagnant areas of water. (Not applicable to class IV permits)

c. Material injury to adjacent property.

d. Adverse environmental impacts from changes in water quality or quantity. (Applicable to class IV permits only)

Further, I have been retained by the applicant to provide inspections throughout the construction period and to prepare a set of reproducible record prints of drawings showing changes made during the construction process based upon the marked-up prints, certified surveys, drawings, and other data furnished by the contractor to me.

Sincerely,

WGI, Inc.
Stephen Cherry PE
Project Engineer
P.E. # 83268

# Attachment C

# Zoning Memorandum

# Memorandum

**Date:** August 27, 2021

**To:** McKee Gray, Manager
Coastal Resources Section
Department of Regulatory and Economic Resources

**From:** Tammy Burton, Biologist II
Coastal Resources Section
Department of Regulatory and Economic Resources

**Subject:** Class I Permit Application by Miami-Dade County, through its Parks, Recreation, and Open Spaces Department, for the Filling of 4,525 Square Feet of Wetlands Supporting Halophytic Vegetation, the Removal of 500 Square Feet of Mangrove Canopy, and Temporary Impacts to 2,608.95 Square Feet of Wetlands in Association with the Reconstruction of an Existing Road in Matheson Hammock Park, located at 9610 Old Cutler Road, Coral Gables, Miami-Dade County, Florida

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Pursuant to Section 24-48.2(II)(B)(7), of the Code of Miami-Dade County, Florida, a substantiating letter or plan approval shall be submitted by the applicant stating that the proposed project does not violate any zoning laws. Said letter or plan approval will be submitted after approval by the Miami-Dade County Board of County Commissioners and prior to issuance of the Class I permit.

# Attachment D

# DERM Project Report

**CLASS I PERMIT APPLICATION NO. CLI-2019-0365**

Class I Permit Application by Miami-Dade County, through its Parks, Recreation, and Open Spaces Department, for the Filling of 4,525 Square Feet of Wetlands Supporting Halophytic Vegetation, the Removal of 500 Square Feet of Mangrove Canopy, and Temporary Impacts to 2,608.95 Square Feet of Wetlands in Association with the Reconstruction of an Existing Road in Matheson Hammock Park, located at 9610 Old Cutler Road, Coral Gables, Miami-Dade County, Florida

**DATE: August 27, 2021**

Staff's recommendation of approval for the above-referenced permit application is based on the applicable evaluation factors under Section 24-48.3 of the Code of Miami-Dade County, Florida (Code). The following is a summary of the proposed project and staff's opinion to its conformance with respect to each applicable evaluation factor:

1. **Potential Adverse Environmental Impact** – Pursuant to Section 24-48.4 of the Code, potential adverse environmental impacts and cumulative adverse environmental impacts for a proposed project must be avoided and minimized and mitigation is required for permittable projects that otherwise result in adverse environmental impacts. The project would result in the filling of 4,525 square feet of halophytic wetlands supporting halophytic vegetation, the removal of 500 square feet of mangrove canopy, and 2,608.95 square feet of temporary impacts to adjacent halophytic wetlands. In certain locations where it was determined to be feasible, the footprint of the proposed road was shifted landward of the existing footprint to be located on existing uplands in the center area of the loop at the end of the wading beach road, further reducing the wetland impact. The applicant has proposed to satisfy the impacts associated with the filling of 4,525 square feet of halophytic wetlands and the trimming of 500 square feet of mangrove canopy through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund. No mitigation is proposed for the temporary impacts, as this area would not be cleared or filled. The project area would be maintained free of exotic pest plants and nuisance species in accordance with the Class I permit conditions. Any temporary water quality impacts would be minimized through the implementation of proper turbidity controls, including silt fencing, throughout construction operations to ensure that State and County water quality standards are met. In addition, the side slopes at the edge of the improved road would be compacted to further eliminate erosion and turbidity into the future.

2. **Potential Cumulative Adverse Environmental Impact** – The proposed project is not reasonably expected to result in cumulative adverse environmental impacts as set forth in Number 1 above.

3. **Hydrology** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater.

4. **Water Quality** – The proposed project may affect surface water quality on a temporary basis during construction operations. Any temporary water quality impacts would be minimized through the implementation of proper turbidity controls, including silt fencing, throughout construction operations to ensure that State and County water quality standards are met. In addition, the side slopes at the edge of the improved road would further eliminate erosion and turbidity.

5. **Wellfields** – The proposed project is not reasonably expected to adversely affect wellfields.

6. **Water Supply** – The proposed project is not reasonably expected to adversely affect water supply.

7. **Aquifer Recharge** – The proposed project is not reasonably expected to adversely affect aquifer recharge.

8. **Aesthetics** – The proposed project is not reasonably expected to adversely affect aesthetics.

9. **Navigation** – The proposed project is not reasonably expected to adversely affect navigation.

10. **Public Health** - The proposed project is not reasonably expected to adversely affect public health.

11. **Historic Values** - The proposed project is not reasonably expected to adversely affect historic values.

12. **Archaeological Values** - The proposed project is not reasonably expected to adversely affect archaeological values.

13. **Air Quality** – The proposed project is not reasonably expected to adversely affect air quality.

14. **Marine and Wildlife Habitats** – The proposed project is not reasonably expected to adversely affect marine and wildlife habitats as set forth in Number 1 above.

15. **Wetland Soils Suitable for Habitat** – The proposed project involves the filling of wetlands which would be mitigated as set forth in Number 1 above.

16. **Floral Values –** The proposed project involves the filling of wetlands which would be mitigated as set forth in Number 1 above.

17. **Fauna Values -** The proposed project involves the filling of wetlands which would be mitigated as set forth in Number 1 above.

18. **Rare, Threatened and Endangered Species** – The proposed project is not reasonably expected to adversely affect rare, threatened and endangered species.

19. **Natural Flood Damage Protection** - The proposed project is not reasonably expected to adversely affect surface water drainage or retention of stormwater.

20. **Wetland Values** – The project involves the filling of wetland habitat which would be mitigated as set forth in Number 1 above.

21. **Land Use Classification** – Pursuant to Section 24-48.2(II)(B)(7) of the Code of Miami-Dade County, Florida, applications by Miami-Dade County within its own jurisdiction shall not be required to submit a substantiating letter or plan approval from the local zoning authority.

22. **Recreation** - The proposed project does not conflict with the recreation element of the Miami-Dade County Comprehensive Development Master Plan.

23. **Other Environmental Values Affecting the Public Interest** – The proposed project is not reasonably expected to adversely affect other environmental values affecting the public interest. The proposed project would be located on lands owned by Miami-Dade County.

24. **Conformance with Standard Construction Procedures and Practices and Design and Performance Standards** – The proposed project complies with the standard construction procedures and practices and design and performance standards of the applicable portions of the Code of Miami-Dade County and the Miami-Dade County Public Works Manual.

25. **Comprehensive Environmental Impact Statement (CEIS)** - In the opinion of the Director, the proposed project is not reasonably expected to result in significant adverse environmental impacts or cumulative adverse environmental impacts. Therefore, a CEIS was not required by DERM to evaluate the project.

26. **Conformance with All Applicable Federal, State and Local Laws and Regulations** - The proposed project is in conformance with applicable State, Federal and local laws and regulations:
    a) Chapter 24 of the Code of Miami-Dade County
    b) United States Clean Water Act (US Army Corps of Engineers permit is required and must be obtained prior to performing work)
    c) Florida Department of Environmental Protection (regulatory permit is required and must be obtained prior to performing work)

27. **Conformance with the Miami-Dade County Comprehensive Development Master Plan (CDMP)** - In the opinion of the Director, the proposed project is consistent as required by CDMP policy LU-3A, with the goals, objectives and policies contained in the Conservation, Aquifer Recharge and Drainage and Coastal Management Elements of this Plan, and with all applicable environmental regulations, as well as other elements of the CDMP. The following is a summary of the proposed project as it relates to the CDMP:

**LAND USE ELEMENT I:**

**Objective 3/Policies 3A, 3B, 3C** - Protection of natural resources and systems. – The proposed project is consistent with all applicable environmental regulations, is compatible with surrounding land uses in Biscayne Bay and does not involve development in the Big Cypress area of Critical State Concern or the East Everglades.

**TRANSPORTATION ELEMENT II**

**Aviation Subelement/Objective AV-5A** - Aviation System Expansion - There is no aviation element to the proposed project.

**Port of Miami River Subelement/Objective 3** - Minimization of impacts to estuarine water quality and marine resources. The project is not located within the Miami River.

**CONSERVATION, AQUIFER RECHARGES AND DRAINAGE ELEMENT IV:**

**Objective 3/Policies 3A, 3B, 3D** - Wellfield protection area protection. - The proposed project is not located within a wellfield protection area.

**Objective 3/Policy 3E** - Limestone mining within the area bounded by the Florida Turnpike, the Miami-Dade/ Broward Levee, N.W. 12 Street and Okeechobee Road. - The proposed project is not located within this area.

**Objective 4/Policies 4A, 4B, 4C** - Water storage, aquifer recharge potential and maintenance of natural surface water drainage. - The proposed project is not reasonably expected to adversely affect water storage, aquifer recharge potential or natural surface water drainage.

**Objective 5/Policies 5A, 5B, 5F** - Flood protection and cut and fill criteria – The proposed project would not compromise flood protection.

**Objective 6/Policy 6A** - Areas of highest suitability for mineral extraction. - The proposed project is not located in an area proposed or suitable for mineral extraction.

**Objective 6/Policy 6B** - Guidelines for rock quarries for the re-establishment of native flora and fauna. – The proposed project is not located in a rock quarry.

**Objective 7/Policy 7A** - Wetland protection and restoration. – The project is clearly in the public interest as the existing road is no longer useable and must be replaced to provide access to the historic wading beach area. Furthermore, no other reasonable alternative exists. To mitigate for otherwise permittable impacts, the applicant has proposed to mitigate for the impacts to wetlands and mangroves through a contribution to the Biscayne Bay Environmental Enhancement Trust Fund (BBEETF) to be used for the creation, restoration, or enhancement of coastal wetlands adjacent to Biscayne Bay or its tidal tributaries. It is not anticipated that the project would adversely impact critical habitat that is critical to endangered and threatened species that may utilize mangrove wetlands.

**Objective 7/Policy 7C, 7D, 7J** - Wetland protection and restoration. – Not applicable to this project.

**Objective 9/Policies 9A, 9B, 9C** - Protection of habitat critical to Federal or State-designated threatened or endangered species. – The proposed project is not reasonably expected to adversely affect habitat critical to Federal or State-designated threatened or endangered species, and the impacts have been minimized and would be mitigated as set forth in Number 1 above.

**COASTAL MANAGEMENT ELEMENT VII:**

**Objective 1/Policy 1A** – Mangrove wetlands within Mangrove Protected Areas – Matheson Hammock Park is designated by the Miami-Dade County Comprehensive Development Master Plan (CDMP) as a Mangrove Protection Area. Trimming of mangroves within a Mangrove Protection Area must be consistent with the criteria outlined in the Coastal Management Element of the CDMP. The existing road has degraded to the point where sections are missing and must be replaced to provide access to the wading beach area. This road runs through mangrove wetlands and is the only access to the wading beach area, so the wading beach area is currently inaccessible to park patrons. This wading beach area was historically open to the public since approximately 1940, and was historically used by the public for a variety of park activities such as birding, kayaking, picnicking, and swimming. Matheson Hammock Park, including the wading beach area, is designated as a Heritage Park in Miami-Dade County and as a Historic Site listed in the Coral Gables Register of Historical Places, and reopening the wading beach area of Matheson Hammock Park is clearly in the public interest. The majority of the new road will be located within the footprint of the existing road with only a small expansion of the footprint to accommodate stabilization slopes. For all of the reasons stated herein, the proposed work is consistent with the CDMP as the work is clearly in the public interest and is in a location where no reasonable upland alternative exists. Furthermore, the proposed mangrove trimming and alteration has been minimized and would be done in a manner that preserves the function of the

mangrove system and does not adversely affect habitat. In addition, the proposed project involves the repair and/or replacement of the existing culvert to ensure adequate tidal flushing is maintained. The Class I permit would include authorization for future maintenance trimming and alteration of mangroves along the road to maintain clearance, should mangroves grow into this area.

**Objective 1/ Policy 1B** - Natural surface flow into and through coastal wetlands. – The proposed project would not affect natural surface flow into and through coastal wetlands.

**Objective 1/ Policy 1C** - Elevated boardwalk access through mangroves. – The proposed project does not involve the construction of an elevated walkway through mangroves.

**Objective 1/Policy 1D** - Protection and maintenance of mangrove forests and related natural vegetational communities. - The project involves the filling of wetlands which would be mitigated as set forth in Number 1 above.

**Objective 1/Policy 1E** - Mitigation for the degradation and destruction of coastal wetlands. Monitoring and maintenance of mitigation areas. – The project involves the filling of wetlands which would be mitigated as set forth in Number 1 above.

**Objective 1/Policy 1G** - Prohibition on dredging or filling of grass/algal flats, hard bottom or other viable benthic communities, except as provided for in Chapter 24 of the Code of Miami-Dade County, Florida. – The proposed project does not involve the dredging or filling of grass/algal flats, hard bottom, or other viable benthic communities.

**Objective 2/Policies 2A, 2B** - Beach restoration and renourishment objectives. - The proposed project does not involve beach restoration or renourishment.

**Objective 3/Policies 3E, 3F** - Location of new cut and spoil areas for proper stabilization and minimization of damages. - The proposed project does not involve the development or identification of new cut or spoil areas.

**Objective 4/Policy 4A, 4C, 4E, 4F** – Protection of endangered or threatened animal species. – The proposed project is not reasonably expected to result in impacts to endangered or threatened species.

**Objective 5/Policy 5B** - Existing and new areas for water-dependent uses. - The proposed project does not involve a water-dependent use.

**Objective 5/Policy 5D** - Consistency with Chapter 33D, Miami-Dade County Code. (shoreline access, environmental compatibility of shoreline development) – The thresholds for review under the Shoreline Ordinance do not apply and the proposed project is not subject to shoreline development review.

**Objective 5/Policy 5F** - The siting of water dependent facilities. - The proposed project does not involve the creation of new water dependent facilities.

28. **Conformance with Chapter 33B, Code of Miami-Dade County** (East Everglades Zoning Overlay Ordinance) – The proposed project is not located within the East Everglades Area.

29. **Conformance with Miami-Dade County Ordinance 81-19** (Biscayne Bay Management Plan Sections 33D-1 through 33D-4 of the Code of Miami-Dade County) - The proposed project is in

conformance with the Biscayne Bay Management Plan.

30. **Conformance with the Miami-Dade County Manatee Protection Plan (MPP)** - The MPP is not applicable to the proposed project.

31. **Consistency with Miami-Dade County Criteria for Lake Excavation** – The proposed project does not involve lake excavation.

32. **Zoning Recommendation** – Pursuant to Section 24-48.2(II)(B)(7) of the Code of Miami-Dade County, Florida, a substantiating letter stating that the proposed project does not violate any zoning laws, or a plan approval, will be submitted prior to permit issuance. Said letter or plan approval will be submitted after the approval by the Board of County Commissioners and prior to the issuance of a Class I permit.

33. **Coastal Resources Management Line** - A coastal resources management line was not required for the proposed project, pursuant to Section 24-48.2(II)(B)(10)(b) of the Code of Miami-Dade County.

34. **Maximum Protection of a Wetland's Hydrological and Biological Functions** – The project involves the filling of wetlands which would be mitigated as set forth in Number 1 above.

35. **Class I Permit Applications Proposing to Exceed the Boundaries Described in Section D-5.03(2)(a) of the Miami-Dade County Public Works Manual** – Not applicable.

The proposed project was also evaluated for compliance with the standards contained in Sections 2448.3(2), (3), and (4) of the Code of Miami-Dade County, Florida. The following is a summary of how the standards relate to the proposed project:

**24-48.3 (2) Dredging and Filling for Class I Permit** – The proposed project complies with the following criteria:

(f) A physical modification necessary to protect public or private property.

**24-48.3 (3) Minimum Water Depth Required for Boat Slips Created by the Construction or Placement of Fixed or Floating Docks and Piers, Piles and Other Structures Requiring a Permit Under Article IV, Division 1 of Chapter 24 of the Code of Miami-Dade County** – The Code-required water depth criteria is not applicable to the proposed project.

**24-48.3 (4) Clean Fill in Wetlands –** The project involves the filling of wetlands; all fill would meet the definition of clean fill as defined in Section 24-5 of the Code of Miami-Dade County.

BASED ON THE FOREGOING, IT IS RECOMMENDED THAT A CLASS I PERMIT BE APPROVED.

McKee Gray, Manager
Coastal Resources Section

Tammy Burton, Biologist II
Coastal Resources Section

# MEMORANDUM
(Revised)

**TO:** Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

**DATE:** October 5, 2021

**FROM:** Geri Bonzon-Keenan
County Attorney

**SUBJECT:** Agenda Item No. 5(V)

**Please note any items checked.**

_____ **"3-Day Rule" for committees applicable if raised**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

_____ **Statement of social equity required**

_____ **Ordinance creating a new board requires detailed County Mayor's report for public hearing**

✓ **No committee review**

_____ **Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____) to approve**

_____ **Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required**

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 5(V)
10-5-21

RESOLUTION NO. R-878-21

RESOLUTION TAKING ACTION ON A CLASS I PERMIT APPLICATION BY MIAMI-DADE COUNTY, THROUGH ITS PARKS, RECREATION AND OPEN SPACES DEPARTMENT, FOR THE FILLING OF 4,525 SQUARE FEET OF WETLANDS SUPPORTING HALOPHYTIC VEGETATION, THE REMOVAL OF 500 SQUARE FEET OF MANGROVE CANOPY, AND TEMPORARY IMPACTS TO 2,608.95 SQUARE FEET OF WETLANDS IN ASSOCIATION WITH THE RECONSTRUCTION OF AN EXISTING ROAD IN MATHESON HAMMOCK PARK, LOCATED AT 9610 OLD CUTLER ROAD, CORAL GABLES, MIAMI-DADE COUNTY, FLORIDA

**WHEREAS,** this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA,** that this Board having considered all the applicable factors contained within section 24-48.3 of the Code of Miami-Dade County, hereby approves the application by Miami-Dade County, through its Parks, Recreation and Open Spaces Department, for the filling of 4,525 square feet of wetlands supporting halophytic vegetation, the removal of 500 square feet of mangrove canopy, and temporary impacts to 2,608.95 square feet of wetlands in association with the reconstruction of an existing road in Matheson Hammock Park, located at 9610 Old Cutler Road, Coral Gables, Miami-Dade County, Florida, subject to the conditions set forth in the memorandum from the Miami-Dade County Department of Regulatory and Economic Resources, a copy of which is attached hereto and made a part hereof. The issuance of this approval does not relieve the applicant from obtaining all applicable Federal, State, and local permits.

The foregoing resolution was offered by Commissioner **Rebeca Sosa**, who moved its adoption. The motion was seconded by Commissioner **Oliver G. Gilbert, III** and upon being put to a vote, the vote was as follows:

Jose "Pepe" Diaz, Chairman **aye**
Oliver G. Gilbert, III, Vice-Chairman **aye**

| | | | |
|---|---|---|---|
| Sen. René García | **aye** | Keon Hardemon | **aye** |
| Sally A. Heyman | **aye** | Danielle Cohen Higgins | **aye** |
| Eileen Higgins | **aye** | Joe A. Martinez | **aye** |
| Kionne L. McGhee | **aye** | Jean Monestime | **aye** |
| Raquel A. Regalado | **aye** | Rebeca Sosa | **aye** |
| Sen. Javier D. Souto | **aye** | | |

The Chairperson thereupon declared the resolution duly passed and adopted this 5th day of October, 2021. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: **Melissa Adames**
Deputy Clerk

Approved by County Attorney as to form and legal sufficiency.

Christopher J. Wahl
Abbie Schwaderer-Raurell