



Inst. # 2985477
Bk: 3341 Pg: 1814 Pages: 1 of 58
Recorded on: 10/18/2022 4:43 PM Doc: AGR
Carolyn Timmann
Clerk of the Circuit Court & Comptroller
Martin County, FL
Rec Fees: \$494.50



Pursuant to Sec. 695.26, F.S.
Prepared by:
Robert S. Raynes, Jr., Esquire
Gunster, Yoakley & Stewart
800 SE Monterey Commons Blvd., Suite 200
Stuart, Florida 34996

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CAROLYN TIMMANN
CLERK OF CIRCUIT COURT

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**FIRST AMENDMENT TO COASTAL WASTE & RECYCLING
PLANNED UNIT DEVELOPMENT ZONING AGREEMENT**



(F/K/A NU-WAY RECYCLING)

THIS AGREEMENT made and entered into this 12th day of July, 2022,
by and between COASTAL WASTE & RECYCLING OF MARTIN COUNTY, LLC, a
Delaware limited liability company, hereinafter referred to as OWNER, and MARTIN
COUNTY, a political subdivision of the State of Florida, hereinafter referred to as COUNTY.

WITNESSETH:

WHEREAS, after appropriate notice, public hearing and approval, Nu-Way Recycling
Corp., a Florida corporation (“Nu-Way”), and COUNTY on the 21st day of December 2004,
entered into a Planned Unit Development Zoning Agreement for the development of a project
known as NU-WAY RECYCLING CORP., which Planned Unit Development Zoning
Agreement, is recorded in Official Records Book 1996, beginning at Page 1637 of the Public
Records of Martin County, Florida hereinafter referred to as the “PUD Agreement”; and

WHEREAS, OWNER, acquired all right, title and interest to the property subject
to the PUD Agreement, as reflected in the Special Warranty Deed between Nu-Way and
OWNER, dated November 30, 2017, recorded December 6, 2017, in Official Records Book
2963, Page 319 of the Public Records of Martin County, Florida; and

Please note: This document is being re-recorded to correct a scrivener's error to include Exhibit D, the Revised Master/Final Site Plan.

WHEREAS, OWNER desires to amend the name of the project and the name of the PUD Agreement to COASTAL WASTE & RECYCLING OF MARTIN COUNTY, LLC to reflect the change in ownership; and

WHEREAS, OWNER desires to amend the Notice provision under Section 9 of the PUD Agreement; and

WHEREAS, OWNER further desires to amend the PUD Agreement to revise, Exhibit "B", Nu-Way Recycling Corp. - Ownership Certificate, Exhibit "C", Nu-Way Recycling Corp. - Unified Control, Exhibit "D", Nu-Way Recycling Corp. - Master Site Plan, Exhibit "E", Nu-Way Recycling Corp. - Timetable of Development and Exhibit "F", Nu-Way Recycling Corp. - Special Conditions, of said PUD Agreement.

NOW, THEREFORE, the parties do hereby agree as follows:

- 1. The PUD Agreement and all its exhibits are hereby amended to reflect the following revisions:

1.1 Section 9, Notice, is amended to read as follows:

Any notice, request, demand, consent, approval, or other communication required or permitted by this Agreement shall be given or made in writing and shall be served as elected by the party giving the notice by any of the following methods: (i) hand delivery to the other party; (ii) delivery by commercial overnight courier service; (iii) mailed by registered or certified mail (postage prepaid), return receipt requested; or (iv) mailed by regular U.S. mail. For purpose of notice, the addresses are as follows:

The address of County shall be:

Martin County Administrator
2401 S.E. Monterey Road
Stuart, Florida 34996

With a copy to:

Martin County Attorney
2401 S.E. Monterey Road
Stuart, Florida 34996



The address of Owner shall be:

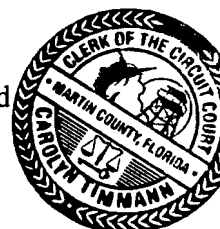
Coastal Waste & Recycling of Martin County, LLC
Attn: Brendon J. Pantano, CEO
1700 NW 33rd Street
Pompano Beach, Florida 33064

With a copy to:

Robert S. Raynes, Jr., Esquire
Gunster, Yoakley & Stewart, P.A.
800 SE Monterey Commons Blvd., Suite 200
Stuart, Florida 34996

Notice given in accordance with the provisions of this Section shall be deemed to be delivered and effective on the date of hand deliver; or on the second day after the date of the deposit with an overnight courier; or on the date upon which the return receipt is signed, or delivery is refused, or the notice is designated by the postal authorities as not delivered if mailed; or on the second business day after the date of mailing by regular U.S. mail. Either party may change its address for the purpose of this Section by written notice to the other party given in accordance with the provisions of this Section.

- 1.2 The Nu-way Recycling Corp. - Ownership Certificate originally attached as Exhibit "B" is replaced by and modified, as shown, on Revised Exhibit "B", attached hereto and made a part hereof.
- 1.3 The Nu-way Recycling Corp. - Unified Control originally attached as Exhibit "C" is replaced by and modified as shown on Revised Exhibit "C", attached hereto and made a part hereof.
- 1.4 The Nu-Way Recycling Corp. - Master Site Plan as shown on Exhibit "D" is replaced by and modified, as shown on Revised Exhibit "D".
- 1.5 The Nu-way Recycling Corp. - Timetable of Development as shown on Exhibit "E" is replaced by and modified, as shown on Revised Exhibit "E", attached hereto and made a part hereof.
- 1.6 The Nu-way Recycling Corp. - Special Conditions as shown on Exhibit "F" is replaced by and modified, as shown on Revised Exhibit "F", attached hereto and made a part hereof.
- 1.7 The Nu-way Recycling Corp. - Fire Protection Plan shown on Exhibit "G" is replaced by and modified, as shown on Revised Exhibit "G", attached hereto and made a part hereof.



- 1.8 The Nu-way Recycling Corp. – Preserve Area Management Plan is replaced by and modified, as shown on Exhibit “H”, attached hereto and made a part hereof.
2. All of the terms and conditions of the PUD Agreement which are not specifically amended or revised by this Amendment shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this PUD Agreement to be made and entered into the day and year first written. The date of this PUD Agreement shall be the date on which this PUD Agreement was approved by the Board of County Commissioners.

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OWNER

WITNESSES:

**COASTAL WASTE & RECYCLING OF
MARTIN COUNTY, LLC,**
a Delaware limited liability company

Broadland Ross
Name: Broadland Ross

By: [Signature]
Brendon J. Pantano, CEO

[Signature]
Name: Chad Abel

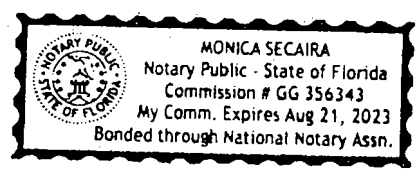
STATE OF Florida

COUNTY OF Palm Beach

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, by means of physical presence or online notarization on 08/31, 2022, by Brendon J. Pantano, Chief Executive Officer of Coastal Waste & Recycling of Martin County, LLC., a Delaware limited liability company, on behalf of the company, who is personally known to me or has proved to me on the basis of a driver's license or other satisfactory evidence consisting of _____, to be the person whose name is subscribed to the foregoing instrument, and acknowledged before me that she/he executed same.

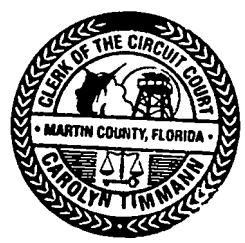
WITNESS my hand and official seal in the County and State last aforesaid this 31st day of August, 2022.

(NOTARIAL STAMP)



[Signature]
Notary Public

Print Name: Monica Secaira
My commission expires: Aug 21, 2023
Affix official seal below:



COUNTY

ATTEST:

BOARD OF COUNTY COMMISSIONERS
MARTIN COUNTY, FLORIDA

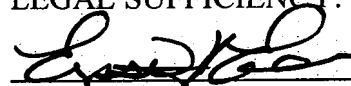


Carolyn Timmann
Clerk of the Circuit Court and Comptroller



By: _____
Doug Smith, Chairman

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:



Elysse A. Elder
Senior Assistant County Attorney



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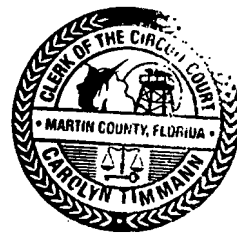


EXHIBIT A

LEGAL DESCRIPTION

A parcel of land lying in Fractional Section 28, Township 39 South, Range 42 East, Martin County, Florida, being more particularly described as follows:

From the Southwest corner of said Fractional Section 28, run S 89°34'38" E, along the South line of said Section 28, a distance of 231.80 feet to the point of intersection of said South line of Section 28 with the South line of Gomez Grant, said point of intersection also being the POINT OF BEGINNING of the herein described parcel.

Thence run N 66°39'33" E, along the said South line of Gomez Grant, a distance of 485.00 feet; thence N 66°25'47" E, along the South line of Gomez Grant, a distance of 2271.39 feet; thence along the West line of a parcel of land now or formerly the property of Frank Ryan, S 23°34'13" E, a distance of 200.00 feet; thence S 66°25'47" W, a distance of 631.66 feet; thence S 0°25'22" W, a distance of 329.46 feet; thence N 89°34'38" W, a distance of 102.40 feet; thence S 0°25'22" W, a distance of 350.00 feet to a point in the South line of Section 28; thence N 89°34'38" W, along said South line of Section 28, a distance of 1920.85 feet to the POINT OF BEGINNING.

Said parcel containing 22.699 acres, more or less.



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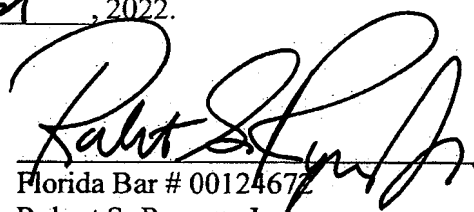
SEP 15 2022

GROWTH MANAGEMENT
DEPARTMENT

REVISED EXHIBIT B
OWNERSHIP CERTIFICATE

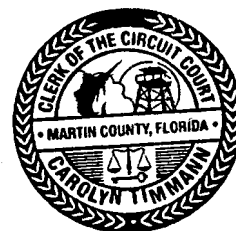
I, Robert S. Raynes, Jr., a member of the Florida Bar, hereby certify that the record title to the property described in Exhibit A to the Coastal Waste & Recycling Planned Unit Development Zoning Agreement, f/k/a Nu-Way Recycling Corp., dated the 21st day of December 2004 is in the ownership of COASTAL WASTE & RECYCLING OF MARTIN COUNTY, LLC, a Delaware limited liability company.

Dated this 14 day of September, 2022.



Florida Bar # 00124672
Robert S. Raynes, Jr.
Gunster, Yoakley & Stewart, P.A.
800 SE Monterey Commons Boulevard
Suite 200
Stuart, Florida 34996

COPY
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REVISED EXHIBIT C**UNIFIED CONTROL**

The undersigned, being the OWNER of the property described in Exhibit A, of the Coastal Waste & Recycling Planned Unit Development Zoning Agreement, f/k/a Nu-Way Recycling Corp. (PUD), dated the 21st day of December, 2004, does hereby covenant and agree that: (i) the property described in Exhibit A shall be held under single ownership, and shall not be transferred, conveyed, sold or divided in any unit other than in its entirety; provided, however that individual subdivision lots or fully constructed condominium units, if any, may be conveyed to individual purchasers in accordance with and subject to the terms and conditions of the PUD Agreement.

In addition, the following conveyances shall be permitted:

1. If the PUD is designed and planned to be developed in phases or portions of phases, and each phase or portion of a phase complies with the requirements contained within the PUD Agreement, then each phase or portion of phase may be conveyed separately upon final site plan and plat approval of that phase or portion of a phase.
2. Common elements, common open areas and developed recreation areas, if any, may be conveyed to a property owners' association or other legal entity so long as such conveyance shall be subject to the express restriction that the subject property will never be used for any purpose other than as common elements, common open areas or developed recreation areas as applicable.
3. Other portions of the subject property may be conveyed and used or maintained by governmental, environmental, charitable or other organizations or agencies for such purposes as the Board of County Commissioners of Martin County, Florida may deem appropriate.

Nothing herein contained shall limit, in any manner, the undersigned, or their successors or assigns, to mortgage or encumber the property or any part thereof.

The undersigned further agrees that the conditions, restrictions and limitations contained herein shall be deemed a covenant running with the land and shall remain in full force and effect



and be binding on the undersigned, its successors and assigns, until such time as the same may be released in writing by the Board of County Commissioners of Martin County, Florida.

The undersigned further agrees that this instrument may be recorded in the public records of Martin County, Florida.

IN WITNESS WHEREOF, the parties hereto have executed these presents on the dates indicated below.

OWNER

WITNESSES:

COASTAL WASTE & RECYCLING OF MARTIN COUNTY, LLC,
a Delaware limited liability company

Bradland Ross
Name: Bradland Ross

By: *B. J. Pantano*
Brendon J. Pantano, CEO

Chris Shell
Name: Chris Shell

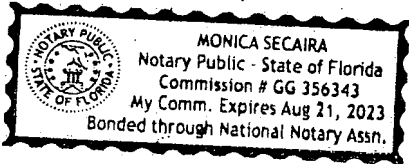
STATE OF Florida

COUNTY OF Palm Beach

I HEREBY CERTIFY that on this day, before me, an officer duly authorized in the State aforesaid and in the County aforesaid to take acknowledgments, by means of physical presence or online notarization on 08/31, 2022, by Brendon J. Pantano, Chief Executive Officer of Coastal Waste & Recycling of Martin County, LLC., a Delaware limited liability company, on behalf of the company, who is personally known to me or has proved to me on the basis of a driver's license or other satisfactory evidence consisting of _____, to be the person whose name is subscribed to the foregoing instrument, and acknowledged before me that she/he executed same.

WITNESS my hand and official seal in the County and State last aforesaid this 31st day of August, 2022.

(NOTARIAL STAMP)

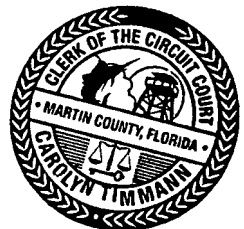


Monica Secaira
Notary Public
Print Name: Monica Secaira
My commission expires: AUG. 21, 2023
Affix official seal below:



REVISED EXHIBIT D
REVISED MASTER/FINAL SITE PLAN

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REVISED EXHIBIT E

TIMETABLE FOR DEVELOPMENT

- A. This development shall be constructed in accordance with the revised master/final site plan.
- B. All permits shall be obtained within one (1) year of approval of the revised master/final site plan and all construction shall to be completed within two (2) years of the approval.

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REVISED EXHIBIT F
COASTAL WASTE & RECYCLING - SPECIAL CONDITIONS

1. **ADDITIONAL REQUIREMENTS:**

The Coastal Waste & Recycling PUD shall comply with all requirements of the Martin County Comprehensive Growth Management Plan. Unless specifically provided for within this Agreement the Coastal Waste & Recycling PUD shall comply with all requirements of the Martin County Land Development Regulations and General Ordinances.

2. **DRAINAGE:**

It shall be the OWNER's sole responsibility to obtain the necessary permits from the South Florida Water Management District. In no event shall Martin County bear the responsibility for aiding the OWNER in obtaining permits from the South Florida Water Management District or funding the necessary drainage improvements to facilitate development of this project.

3. **PROTECTED SPECIES:**

- A. In the event that it is determined that any protected plant or animal species, as defined in the Martin County Land Development Regulations, is resident on or otherwise is significantly dependent upon the Coastal Waste & Recycling PUD, OWNER shall cease all activities which might negatively affect that individual or population and immediately notify Martin County, the Florida Fish and Wildlife Conservation Commission (FFWCC) and the U.S. Fish and Wildlife Service (USFWS). Construction may resume when proper protection, to the satisfaction of all agencies, is provided by the OWNER.
- B. Gopher Tortoises - In Florida, gopher tortoises are protected as a Threatened Species. No land clearing or construction shall occur until all tortoises which will be impacted are relocated to upland preservation areas or off-site, as authorized by FFWCC. A certified environmental professional will supervise clearing in the areas of the gopher tortoise burrows. Tortoises inhabiting burrows in areas to be developed will be captured and relocated using methodology approved by the Florida Fish and Wildlife Conservation Commission and conducted by an environmental professional possessing a valid relocation permit. During clearing and grubbing operations, equipment operators will be notified of the occurrence of gopher tortoises on-site and instructed to observe for roaming and foraging individuals. Should gopher tortoises be seen during the clearing and grubbing, all equipment operations will be stopped and the gopher tortoises will be captured and relocated. Once the tortoise(s) have been safely relocated, equipment operation can resume.

Endemic Species - All gopher tortoise relocation efforts will include trapping of endangered endemic species that may live in the burrow. These endemic species include but are not limited to the Florida mouse (*Peromyscus floridana*), gopher



frog (*Rana aerolata*) and Eastern indigo snake (*Drymarchon corias couperi*).

Relocation of Tortoises - If the number of tortoises exceeds the carrying capacity of the remaining natural area, the Martin County Environmental Planning Administrator will be notified and will be provided with a copy of the Gopher Tortoise Relocation Permit from the Florida Fish and Wildlife Conservation Commission.

4. FENCING:

OWNER shall, at OWNER's expense, construct and maintain a six (6) foot screened fence along the northern boundary line of the Property adjacent to the Hobe Sound Business Park property.

5. FIRE PROTECTION:

All structures, other than detached one- and two-family single residences which are in excess of 5,000 square feet or two stories or greater in height, shall be provided with a sprinkler system installed in accordance with NFPA 13, Standards for Automatic Sprinkler Protection, and NFPA 14, Standards for Standpipes. Compliance with all other provisions of the National Fire Protection Association is required. Specifically, stabilized roads and hydrant installations shall be completed before issuance of building permits pursuant to NFPA 241. Hydrants shall be located within 500 feet of each building. In addition to the above requirements, the OWNER shall adhere to the revised Fire Prevention Plan attached hereto as Exhibit G regarding the maintenance of the mulch piles, clearance of the roadways, access to firefighting equipment, and recommended practices for handling and safeguarding the compost/mulching operations. The OWNER also agrees that it will bear the cost associated with fire suppression for any fire occurring on the Property, excluding vehicle and building fires, regardless of the cause.

6. HOURS OF OPERATION:

Truck access shall be limited to 6:00 a.m. to 6:00 p.m. Monday thru Saturday, and processing operations shall be limited to 7:00 a.m. to 6:00 p.m. Monday thru Saturday. All operations shall be prohibited on Sundays.

7. IRRIGATION:

Irrigation will be provided by an existing well, which is permitted under South Florida Water Management District General Use Permit No. 43-01072-W.

8. KITCHING CREEK DRAINAGE FACILITIES:

The OWNER shall make a financial contribution to the COUNTY of \$25,000.00 towards the Kitching Creek drainage improvements. Said financial contribution shall be made within six (6) days of final approval of the master site plan.



9. LIGHTING:

Site lighting shall not negatively impact adjacent properties and shall not create a visual nuisance. The lighting shall not spill off-site and shall be directed to the ground. Light pole intensity shall not exceed .2-foot candles as measured from the common boundary.

10. MULCH/COMPOSTING FACILITIES:

In return for approval of the PUD, the OWNER has agreed to reduce the intensity of the existing mulch composting facilities by agreeing to meet the existing current Article 3 requirements to the extent technically and physically feasible. This would include a reduction in the height of the current mulch piles to 20 feet and limit the mulch piles to locations identified on the revised master/final site plan attached as Exhibit "D."

11. PRESERVE AREAS:

No construction or alteration shall be permitted within any of the preserve areas, as delineated and labeled on the revised master/final site plan, except in compliance with a Preserve Area Management Plan approved by Martin County and attached hereto as Exhibit H. The precise location of all the preserve areas shall be staked and surveyed prior to revised master/final site plan approval and shall be fenced prior to and during construction on the subject property site.

12. SOIL EROSION AND SEDIMENTATION:

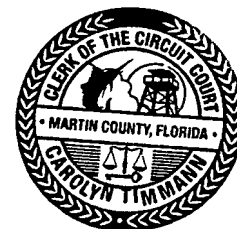
Site clearing and vegetation removal shall be in accordance with the approved revised master/final site plan. Construction practices such as seeding, wetting, and mulching, which minimize airborne dust and particulate emission generated by construction activity, shall be undertaken within thirty (30) days of completion of clearing work. The slopes of constructed lakes from the top of the bank to the control water elevation (landward edge of littoral zone) shall be immediately stabilized and/or sodded to the satisfaction of the Engineering Department upon completion of the lake construction.

13. SOLID WASTE PERMITS:

The OWNER must maintain all current construction and operating permits required by the State of Florida for the operation of the solid waste facility.

14. USES AND DEVELOPMENT STANDARDS:

Except as provided for within this Agreement the requirements of Article 3, Land Development Regulations, Martin County Code, and specifically the HI (Heavy Industrial) zoning district shall apply to the development of the Coastal Waste & Recycling PUD.



15. WATER/WASTEWATER:

Water and wastewater services for this project shall be provided by South Martin Regional Utilities. OWNER shall provide an executed copy of an agreement for such service within sixty (60) days of revised master/final site plan approval.

16. COVERING AND SECURING LOADS

OWNER shall be responsible for requiring that prior to any vehicle leaving the Coastal Waste & Recycling PUD, all loads are covered and secured with a close-fitting tarpaulin or other appropriate cover which complies with Section 316.520, Florida Statutes.

17: ADDITIONAL CONDITIONS

- A. In addition to the Florida Department of Environmental Protection permit standards, Owner shall implement routine measures to further minimize the amount of dust and debris that may be created on site. Said measures shall include the routine watering of stockpiles and roadways and installing an automated water misting system to limit dust from exiting the building.
- B. Owner shall require all outbound trucks to stop at the scales prior to exiting the property in order to secure tarps over the truck beds prior to exiting the site. Owner shall designate at least one employee per shift to assist in monitoring and maintaining compliance with this requirement. Owner shall place signage along the egress route notifying all truckers that they must secure and tarp their loads before exiting the property onto SE Suzanne Drive.
- C. Owner shall monitor and remove all accumulated debris, litter, and nails from the entire SE Suzanne Drive right of way a minimum of three times a day; once before 9 AM, once between 12 PM and 2 PM, and once after 5 PM. At a minimum Owner shall use a 36" heavy duty magnetic sweep with wheel, 50lbs capacity rolling magnetic floor sweeper with release handle. A daily log shall be kept at the office documenting the maintenance activities, staff performing the work, time of maintenance, and the. The log will be immediately provided to Martin County upon request.
- D. Owner shall street sweep, broom, or otherwise remove accumulated sediments from the surface of SE Suzanne Drive on a weekly basis. A weekly log shall be maintained documenting the sediment removal activities, volume of material removed, and staff or contractor performing the work. The log will be immediately provided to Martin County upon request.



REVISED EXHIBIT G
REVISED FIRE PREVENTION PLAN

2.1 Fire Prevention:

In order to minimize the potential for surface and interior fires in the storage piles located in the mulching facility, Coastal Waste & Recycling of Martin, LLC will adopt the following procedures:

1. The design and arrangement of the mulch piles will be based upon sound fire prevention and protection principles. The height of the piles shall not exceed 20 feet, and all material will be accessible to material handling equipment.
2. To establish control over the various factors that lead to spontaneous combustion, provisions will be provided to monitor the internal condition of the storage piles. This data will be collected on a routine basis, and these records will be maintained on site.
3. Fires lanes around the piles and access roads will be maintained at a minimum width of 20 feet for effective fire fighting operations, should the need occur.
4. At least three (3) additional fire hydrants with a minimum flow of 1,000 gpm will be located to service the parking lot, office building, and vehicle service center on the western side of the property.

These programs will be under the direct supervision of top management and will be rigorously adhered to, and are in addition to the fire prevention provisions proposed for the C & C operations.

2.2 Fire Occurrence:

1. In case of a fire, a fire hydrant is located near the facility entrance and fire hose bibs within the building, as shown on the site plan. Non-potable water service on the site is supplied by the existing on-site irrigation well. Fire extinguishers will also be located within the processing area and on all equipment. Fire security will be approved by the Martin County Fire Rescue.
2. Larger fires located anywhere on the site will be sprayed with water. The primary emergency phone number (911) and the Fire Department will be called immediately to respond to all fires.
3. During a fire, all placement of combustible waste in the immediate area of the fire will be suspended. Placement of combustible waste in the area of the fire can only resume after a thorough inspection by the Facility Manager.
4. In the event of a fire in or on facility equipment, the following procedures will be followed by the equipment operator or other nearby facility personnel:



- a. Activate the on-board fire suppression equipment;
 - b. If possible, safely move the equipment away from the fire immediately, shut off the engine, and drop blade;
 - c. Signal other operators in the immediate area of the fire via radio or by hand signals;
 - d. Evacuate the vehicle;
 - e. Extinguish any recurring fires with the fire suppression equipment on the facility vehicles.
5. Charged and tested fire extinguishers will be located throughout the facility, including the tipping floor, maintenance building, office, and vehicle service center. In some cases, the equipment (ie sorter, loaders, and trucks) carries them.
6. There will be no open burning at the facility. Any fires shall be promptly reported to the County and FDEP.

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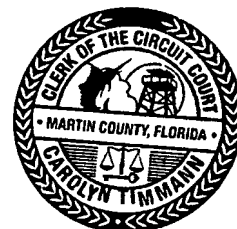
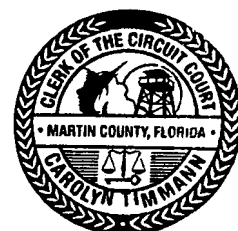


EXHIBIT H
REVISED PRESERVE AREA MANAGEMENT PLAN

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O.R.Book # _____ and Page # _____

MARTIN COUNTY, FLORIDA PRESERVE AREA MANAGEMENT PLAN

For:

COASTAL WASTE & RECYCLING

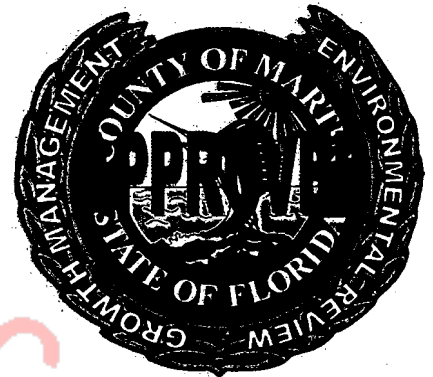
Martin County

Section 28, Township 39S, and Range 42E

PCN: 28-39-42-000005-000000

Prepared by:

EW Consultants, Inc.



Approved by/Date: _____

DEV2020050003

RECORD NUMBER

APPROVED BY:
Shaun McCarthy

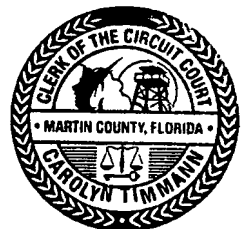
A Preserve Area Management Plan (PAMP) is required of all applicants for development approval on sites which contain wetland or upland preserve areas, pursuant to provisions of Section 4.36.A.1 of the Martin County Land Development Regulations, Martin County Code.

This PAMP supersedes the previous PAMP dated 3/1/05 and recorded OR BK 02005 PG 0800



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 - 7.2 Endemic Species
 - 7.3 Relocation of Tortoises
- 8.0 MISCELLANEOUS PROVISIONS AND RESTRICTIONS
- 9.0 TRANSFER OF OWNERSHIP/RESPONSIBILITIES
- 10.0 MONITORING, REPORTING AND INSPECTIONS
 - 10.1 Monthly Construction Reports
 - 10.2 Annual Monitoring Reports
 - 10.3 Inspections
- 11.0 ENFORCEMENT
- 12.0 APPENDIX



1.0 GENERAL

The owner of the lands to be preserved and maintained by this Preserve Area Management Plan (PAMP) and the owner of the *Coastal Waste & Recycling Property*, their successors and assigns, and their environmental consultants and contractors, will implement and comply with all portions of this PAMP.

Compliance with the terms of this PAMP includes submittal of all Monthly Monitoring Reports on PAMP compliance throughout all phases of project construction and submittal of all Annual Monitoring Reports following completion of project construction, pursuant to Section 10.17 of the Martin County Land Development Regulations. The owner of the lands to be preserved/maintained shall have ultimate responsibility for the submittal of all Monthly and Annual Monitoring Reports, according to the format and schedule requirements of Section 10 of this PAMP.

As noted in Section 9 of this PAMP, the Martin County Environmental Planning Administrator shall be notified in writing within thirty (30) days of transfer of ownership of any lands to be preserved/maintained under the terms of this PAMP. Failure to notify shall be considered as non-compliance with the terms of this PAMP.

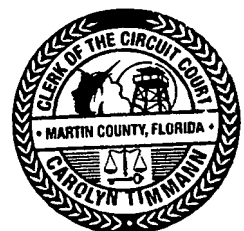
This PAMP will not be altered or amended by either Martin County or the owner of the *Coastal Waste & Recycling Property*, except by an alteration or amendment agreed to by both the Martin County Environmental Planning Administrator and the owner of the *Coastal Waste & Recycling Property*. Such alterations and amendments shall be inserted into the PAMP and the final revised document shall be recorded by the Martin County Clerk of Courts. The revised PAMP will be labeled with the appropriate O.R. Book and Page Number. Three copies of the revised document shall be provided to the Martin County Environmental Planning Administrator within thirty (30) days of the Recording date.

2.0 ENVIRONMENTAL ASSESSMENT

The Environmental Assessment includes maps and text which accurately depict the property location, soils, wetlands, uplands, listed species, previous impacts, preserve area locations and boundaries, and any other significant environmental features.

2.1 Property Location – The *Coastal Waste & Recycling Property* is located in unincorporated Martin County in Township 39S, Range 42E, Section 28. The property covered by this Environmental Assessment and PAMP is comprised of 22.7 +/- acres located south of Bridge Road at the southern terminus of Suzanne Drive in Hobe Sound. A Location Map USGS Quad Map, and Aerial Photograph are provided in the Appendix.

2.2 Soils - A U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Custom Soil Resource Report was generated for the subject property and is provided in the Appendix. This report contains a soils map with the boundary of the property depicted as well as additional information and descriptions of soil resources for the subject property.



2.3 Natural Communities and Land Cover - The following is a summary of the land cover and vegetation communities found on the *Coastal Waste & Recycling Property*. Land cover and vegetative community classifications were mapped based on the Florida Land Use, Cover and Forms Classification System (FLUCFCS) developed by the Florida Department of Transportation. A FLUCFCS Map is provided in the Appendix. Field reconnaissance and aerial photograph interpretation were employed in the mapping effort of the land cover types on the subject property. The vegetative community description includes discussion of potential wildlife habitat provided by the various resources available in those communities.

The FLUCFCS classifications currently present on the property include Industrial (150), Shrubs & Brush (329), Pine Flatwoods (411), Wet Prairie (643), and Disturbed (740). An Existing Habitat and Land Cover Map (FLUCFCS Map) of the observed land cover types is included in the Appendix of this report.

The land cover types observed on the property are described as follows:

150 – Industrial -

This category includes the developed portions of the subject property. It is currently improved and operated as a materials recycling facility including mulching, storage, and vehicle parking and operations.

329 – Shrubs and Brush –

This is an area of proposed upland buffer that is currently vegetated with a mix of native and nuisance shrubs and brush. Previous restoration efforts are apparent in planted native species.

411– Pine Flatwoods -

The pine flatwoods (native upland habitat) are located along the southern and eastern extent of the property. Within this area, the predominant canopy species is slash pines with occasional cabbage palms. An understory comprised primarily of saw palmetto, along with native grasses in the ground cover qualifies this area as native upland habitat. There are isolated areas of invasive species (Brazilian pepper) that occur within the otherwise native pine flatwoods.

643 – Wet Prairie -

The southern and eastern extent of the property contain existing wet prairie wetlands. These areas are comprised of typical wetland grasses and shrubby wetland species. There are occasional occurrences of invasive non-native species as well as nuisance levels of native species in isolated locations. There are several areas where wetland habitat restoration was conducted in the past and some that remain to be restored.

740 – Disturbed -

This category accounts for areas that have been disturbed by encroachment from the on site operations. These areas are outside the limits of the authorized industrial facility and will require restoration back to the appropriate native habitats.



2.4 Listed Species – Site reconnaissance of the *Coastal Waste & Recycling Property* was conducted between January and August 2020 to determine whether listed species are present or potentially present on the subject property.

The gopher tortoise, listed as a Threatened species by the State of Florida has potential to occur in pine flatwoods areas. Preliminary site observations did not reveal any direct sightings of gopher tortoises, potentially occupied burrows, or scat. The highly developed and active industrial facilities in the surrounding area make it unlikely that gopher tortoises would occur on the site.

Prior to clearing activities on the site, a 100% survey of the suitable gopher tortoise habitat by a Licensed Gopher Tortoise Agent will be necessary to identify any occurrence of gopher tortoises, their burrows, or indicators of their presence. Any potentially active gopher tortoise burrows would require permitting and relocation in accordance with FFWCC requirements.

The existing developed portion of the property does not provide habitat for and no listed species were observed to occur. The wetlands to the south of the developed area provide potential habitat for a variety of state listed wading bird species. Likely as a result of the active industrial use on the adjacent property, no such species were observed during field reconnaissance. Occurrence of these species is likely to be transient for foraging, and no colonial nesting activity was observed or expected.

No other listed species were observed or expected to be present on the subject property.

2.5 Non-Listed Wildlife Species - The site observations included the following non-listed species or indicators of their presence on the subject site: raccoon (tracks), grey squirrel, blue jay, wild hog (tracks, rooting), and rabbits.

2.6 Previous Impacts – The *Coastal Waste & Recycling Property* has been in industrial use for over 15 years. There are several areas where previous impacts (prior to the current owner/applicant) resulted in the requirement for restoration of native upland and wetland habitat. These areas require maintenance control of invasive non-native and nuisance level native vegetation in several areas. There is an area in the eastern portion of the site where travel-ways have encroached into areas designated for preservation. These areas will require restoration to native vegetation through removal/re-grading of fill material and planting with native species.

2.7 Agency Correspondence – An Environmental Resource Permit (ERP) from South Florida Water Management District has been issued for the current site operations. An ERP modification will be required in order to complete the improvements to the site under the proposed site plan modification.



3.0 IDENTIFICATION OF PRESERVE AREAS

As described above, the subject site is 22.7 +/- acres, of which 3.58 +/- acres are pine flatwoods that have been designated as upland preserve and/or wetland buffer area. An additional 1.22 +/- acres will require restoration to native uplands for wetland buffer areas.

- 3.1 Site Plan – The Preserve Area shown on the site plan depict certain areas covered by recorded conservation easements (Tracts A, B, C, D, E, F, and G) as well as existing wetlands and upland buffer areas to be restored.

The Preserve Area Map contains the notation: "PRESERVE AREAS ARE NOT TO BE ALTERED WITHOUT WRITTEN PERMISSION OF THE MARTIN COUNTY BOARD OF COUNTY COMMISSIONERS."

- 3.2 Legal Recording – Upon final approval, a copy of the final PAMP will be recorded with the Martin County Clerk of Courts. The PAMP will be labeled with the appropriate O.R. Book and Page Number and copies of each recorded document will be provided to the Martin County Environmental Planning Administrator within thirty (30) days of the Recording date.

4.0 SURVEYING, MARKING AND BARRICADING REQUIREMENTS

The Preserve Area shown on the Preserve Area Map for the *Coastal Waste & Recycling Property* will be surveyed and marked in the field with appropriate survey markers and signage. During any clearing and construction phases of the project, Preserve Area boundaries will be marked by physical barriers. No native plant material will be removed from the Preserve Areas to facilitate surveying, fencing or soil boring/sampling without prior permission from the Martin County Environmental Planning Administrator.

- 4.1 Preserve Area Surveying Requirements – The Preserve Areas will be surveyed and marked with permanent monuments at each corner and at other sites necessary for locating the boundary of the Preserve Areas. These permanent monuments will be constructed under the supervision of a Professional Surveyor and Mapper and will be shown on the Preserve Area Map. Map coordinates of each Preserve Area will be provided to the Martin County Environmental Planning Administrator, in a form compatible for use in the County's GIS mapping system.
- 4.2 Preserve Area Boundary Markers and Signs – The Preserve Areas will be posted with permanent signs and boundary markers. Signs will be at least 11 x 14 inches in size and will be posted in conspicuous locations along the Preserve Area boundary, at a frequency of no less than one (1) sign per 500 feet. All boundary markers and signs will be approved by the Martin County Environmental Planning Administrator and they will be in place prior to issuance of a certificate of occupancy for the proposed facility improvements. Illustrations of the signs and markers to be used for this project are included in the Appendix to this PAMP.



- 4.3 **Barricading Requirements** - Prior to clearing, the developer will ensure that the Preserve Areas are protected with physical barriers during all clearing and construction activities in accordance with the following guidelines. Barricades will be inspected by County Environmental Division staff prior to proceeding with clearing and earthwork activities on the site. Removal of the barricade materials will be done upon issuance of the final Certificate of Occupancy with authorization from appropriate County staff.

Barricades (not including turbidity screens) will be high-visibility orange safety fence extending from the ground to a height of at least four feet. Barricades will not be attached to vegetation. All barricades and turbidity screens will be upright and maintained intact for the duration of construction.

Where areas are proposed for clearing (i.e. building envelope, utilities, drainage, road right-of-way, etc.) the bright orange barricades and silt fences will be offset at least five feet outside the Preserve Area or placed at the dripline of the canopy trees, whichever is greater. All native vegetation not slated for removal as part of the development plans will be retained in its undisturbed state and will be barricaded at or outside the dripline of the trees. Cut or fill will meet existing grade without encroaching into Preserve Areas.

It is the responsibility of the owner of the *Coastal Waste & Recycling Property* to inform all contractors of these Marking and Barricading Requirements. Failure to comply with these Marking and Barricading Requirements will be considered a violation of the Site Plan approval. Further work on the project may be stopped until compliance with the Marking and Barricading Requirements is achieved, and the owner or developer may be required to appear before the Code Enforcement Board.

5.0 USE OF PRESERVE AREAS

- 5.1 **Activities Allowed In Preserve Areas** – Activities allowed in preserve areas are bird watching and nature enjoyment.
- 5.2 **Activities Prohibited In Preserve Areas** - Activities prohibited in Preserve Areas include: construction or placing of building materials on or above the ground; dumping or placing soil or other substances such as garbage, trash, and cuttings; removal or destruction of native trees, shrubs or other native vegetation; excavation, dredging or removal of soil materials; diking or fencing; vehicular traffic including use by non-motorized vehicles, recreational vehicles and off-road vehicles; permanent irrigation; trimming, pruning, or fertilization; and any other activities detrimental to drainage, flood control, water conservation, erosion control or fish and wildlife conservation and preservation.

No hazardous material other than fuel for refueling on-site heavy equipment will be stored during the construction phases. On-site fuel tanks shall not be located within twenty-five (25) feet of any Preserve Area boundary and shall be removed upon completion of construction work.

Buildings proposed to be located adjacent to Preserve Areas shall be set back a minimum of ten (10) feet to allow for construction and maintenance without encroaching into the Preserve Area. All other structures (e.g. pools, sheds, decks, fences) shall be set back a minimum of five (5) feet from the Preserve Area boundary.



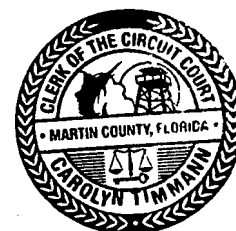
Development activities such as the construction of building pads for associated structures, swales, or culverts for surface water management shall not alter the hydrology of adjacent Preserve Areas. Nor shall any activities increase non-point source pollution in Preserve Areas.

6.0 RESTORATION AND MAINTENANCE ACTIVITIES

Except for approved re-planting and maintenance activities, the Preserve Areas will be left undisturbed. All maintenance of the Preserve Area will be in accordance with this PAMP for the *Coastal Waste & Recycling Property*. The following restoration and maintenance activities may be allowed within Preserve Areas: exotic vegetation eradication, re-vegetation or planting native vegetation, and removal of dead, diseased, or safety hazard plant material.

A stand alone Preserve Area Restoration, Monitoring, and Management Plan has been prepared specific to the project site and is included in the Appendix. This plan has been prepared to address restoration of previous encroachment into designated preserve areas as well as restoration and management of existing wetlands, upland buffer, and upland preservation areas. The Preserve Area Restoration, Monitoring, and Management Plan will be implemented consistent with the following criteria.

- 6.1 Exotic Vegetation Removal – Exotic vegetation shall be eradicated from Preserve Areas by the least ecologically damaging method available. Such methods include hand pulling, hand spading, cutting with hand or chain saws and in-situ treatment with appropriate herbicides. No debris, including dead plants, plant clippings or wood scraps, shall be disposed of into Preserve Areas. Treated dead plant material may be left in place to decompose naturally. Any dead plant material or exotic vegetation debris removed from Preserve Areas shall be disposed of in an approved recycling facility.
- 6.2 Re-vegetation - Any re-vegetation which may be necessary as a result of exotic vegetation removal, habitat creation, or site construction activities shall consist of native plant species representative of the existing native plant community. This will ensure that the Preserve Areas maintain indigenous plant associations. Typical planting plans for upland (pine flatwoods) and wetland (wet prairie) restoration are provided as part of the Preserve Area Restoration, Monitoring, and Management Plan provided in the Appendix.
- 6.3 Vegetation Removal - Dead or diseased plant material may be removed from Preserve Areas. Re-vegetation may be required for any removed plant material. No debris, including dead plants, plant clippings or wood scraps, shall be disposed of into Preserve Areas. Treated dead plant material may be left in place to decompose naturally. Any dead plant material and debris removed from Preserve Areas shall be disposed of in an approved recycling facility.
- 6.4 Prescribed Burns - Martin County considers prescribed burns an acceptable habitat management tool. When approved, they will be conducted by a certified burn manager who will be responsible for obtaining all appropriate permits from State and local agencies.
- 6.5 Hydrology - Previous or potential drainage impacts will be corrected to the extent technically feasible. Wetlands and water bodies on adjacent properties shall be protected from adverse impacts.



7.0 PROTECTIVE MEASURES FOR LISTED SPECIES

- 7.1 Gopher Tortoises: In Florida, gopher tortoises are protected as a Threatened species. Under Florida law, no person may take, possess, transport or sell a Listed Species. No Gopher Tortoises or signs thereof have been observed on site during preliminary surveys and assessments. A 100% survey of the site will be completed before any clearing activities. No land clearing or construction shall occur until all gopher tortoises which may be impacted are relocated to off-site receiver areas as permitted by the FFWCC. Gopher tortoises inhabiting burrows in areas to be developed will be captured and relocated following guidelines set forth below.

Tortoise burrows may be bucket trapped or excavated using a methodology approved by the Florida Fish and Wildlife Conservation Commission and conducted by an Authorized Agent possessing a valid relocation permit. During clearing and grubbing operations, equipment operators will be notified of the potential occurrence of gopher tortoises on site and instructed to observe for roaming and foraging individuals. Should gopher tortoises be seen during the clearing and grubbing, all equipment operations will be stopped and the gopher tortoises will be captured and relocated in accordance with FFWCC permit requirements. Once the tortoise(s) have been safely relocated, equipment operations can resume.

- 7.2 Commensal Species – If necessary, all gopher tortoise relocation efforts will include trapping of protected burrow commensal species. These commensal species include but are not limited to the Florida mouse (*Peromyscus floridana*), gopher frog (*Rana areolata*) and Eastern indigo snake (*Drymarchon corias couperi*).
- 7.3 Relocation of Gopher Tortoises - If gopher tortoise relocation is necessary, the Martin County Environmental Planning Administrator will be notified and will be provided with a copy of the Gopher Tortoise Relocation Permit from the Florida Fish and Wildlife Conservation Commission. All relocations shall be carried out by an FFWCC Authorized Gopher Tortoise Agent licensed for gopher tortoise relocations.

8.0 MISCELLANEOUS PROVISIONS AND RESTRICTIONS

None

9.0 TRANSFER OF RESPONSIBILITIES

The property owner(s) of *Coastal Waste & Recycling Property* are responsible for implementation of all requirements of this Preserve Area Management Plan until such time as the responsibility is transferred to a successor. The Martin County Environmental Planning Administrator will be notified in writing within thirty (30) days of transfer of ownership of any lands to be preserved under this PAMP. Failure to notify will be considered as non-compliance with the terms of this PAMP. At such time as the owner is preparing to transfer control of the *Coastal Waste & Recycling Property* to a successor, an environmental professional shall certify, in writing, to the Martin County Environmental Planning Administrator, that the Preserve Areas are in full compliance with this PAMP.



The successor will be responsible for maintaining the Preserve Areas in their existing natural condition with the periodic removal of invasive exotic vegetation. After transfer of responsibilities, funding for all maintenance and management programs will be the responsibility of all successors.

10.0 MONITORING, REPORTING AND INSPECTIONS

- 10.1 Monthly Construction Reports – During construction of *Coastal Waste & Recycling Property*, the owner will be responsible for submitting a monthly report on the progress of *Coastal Waste & Recycling Property*, which will address all aspects of the site construction relative to the Preserve Areas. Information regarding construction and maintenance of the Preserve Areas, such as placement of barriers and signage, removal of exotic vegetation, re-vegetation, prescribed burns, etc. will be described and supported with photographs, where appropriate.
- 10.2 Annual Monitoring Reports – Monitoring and reporting will be conducted annually by a qualified environmental professional for a period of five years from the date of completion of the project. Annual monitoring will be conducted at the end of the wet season (usually by November 30) and a report of the monitoring will be submitted to the Martin County Environmental Planning Administrator within 30 days of the completion of the monitoring.

The Annual Monitoring Reports will document changes in vegetation including encroachment and/or overgrowth of invasive non-native and nuisance levels of native vegetation. Fixed-point panoramic photos of all Preserve Areas will be included in each report. The reports will include recommendations for exotic vegetation removal, re-vegetation, and any additional enhancement activities necessary to maintain the Preserve Area. A timetable for action within 90 days of the report will be prepared and followed.

The proposed Annual Monitoring Reports will be in accordance with the Preserve Area Restoration, Monitoring, and Management Plan provided in the Appendix. This format may be modified separately from the PAMP, as necessary, upon written approval from the Martin County Environmental Planning Administrator.

Upon request, Martin County Environmental Planning staff may meet with the responsible parties to review the annual monitoring report findings and supply technical assistance and support for stewardship.

The first Annual Monitoring Report due in compliance with this PAMP will be submitted to the Martin County Environmental Planning Administrator within one year of receiving the first certificate of occupancy. Subsequent Annual Monitoring Reports will be due on the same date for the next four years.

After the initial five-year monitoring period, the Preserve Areas may be subject to periodic review and, if conditions warrant, will be subject to further monitoring and maintenance to ensure environmental integrity, consistent with the provisions of this Plan.

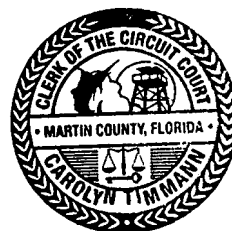


10.3 Inspections – Martin County is authorized to inspect any County regulated site or appurtenance. Duly authorized representatives of Martin County may, at any reasonable time, upon presenting proper identification, enter upon and shall be given access to any premises for the purpose of such inspection.

11.0 ENFORCEMENT

Martin County shall have the right to enforce the provisions of this PAMP through any available administrative or civil proceeding, which may result in penalties. Restoration of habitat and other remedies, such as fines and fees covering staff time, may be required of any person, corporation or other entity found in violation of any of the provisions of this PAMP or of Article 10 of the Martin County Land Development Regulations.

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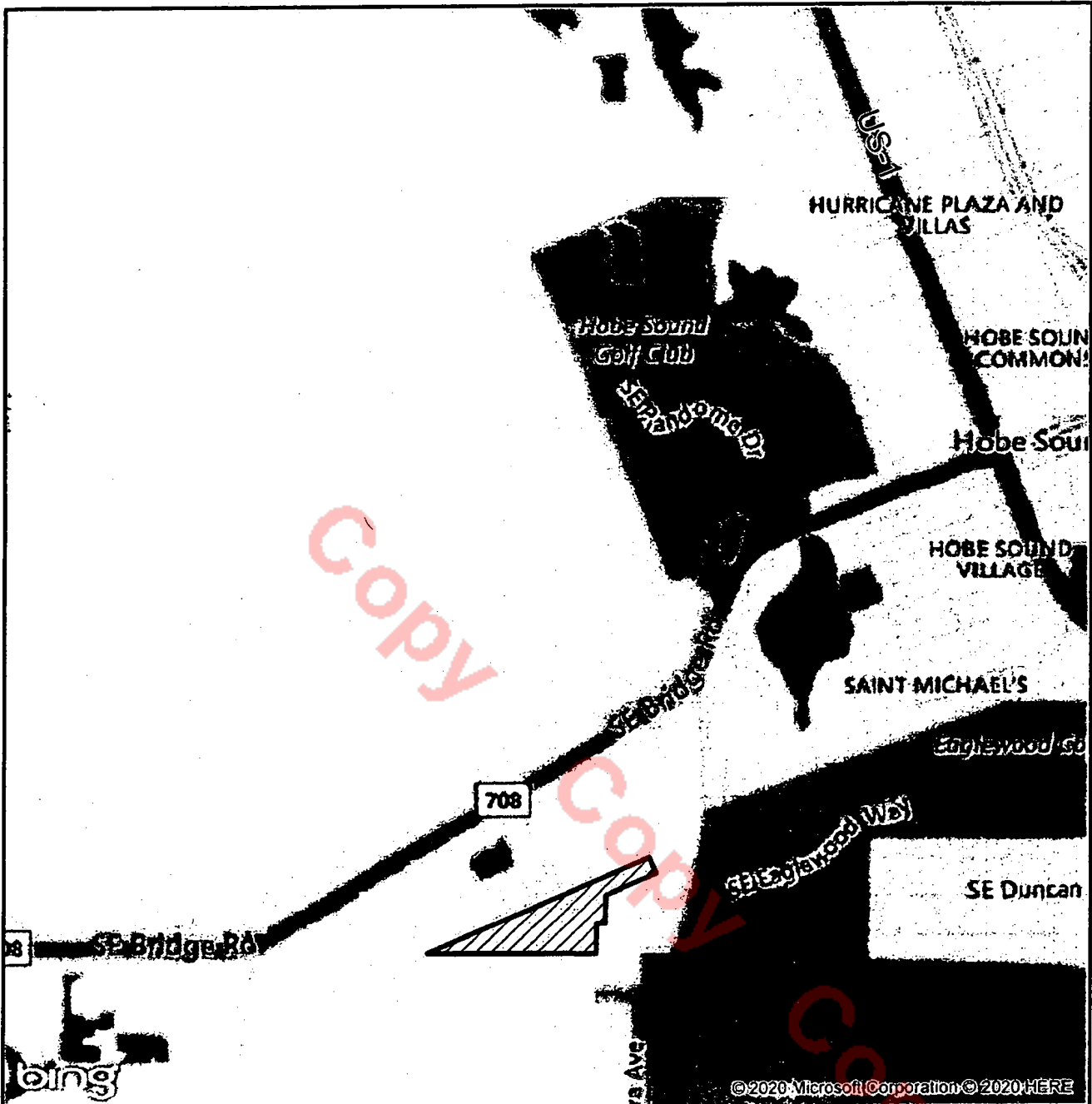
APPENDIX

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COPY

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LEGEND

 - SITE (22.7+/- AC)

0 2,000 Feet

COASTAL WASTE & RECYCLING OF MARTIN

LOCATION MAP



CONSULTANTS, INC.

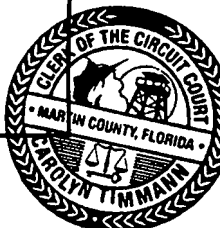
EW CONSULTANTS, INC.

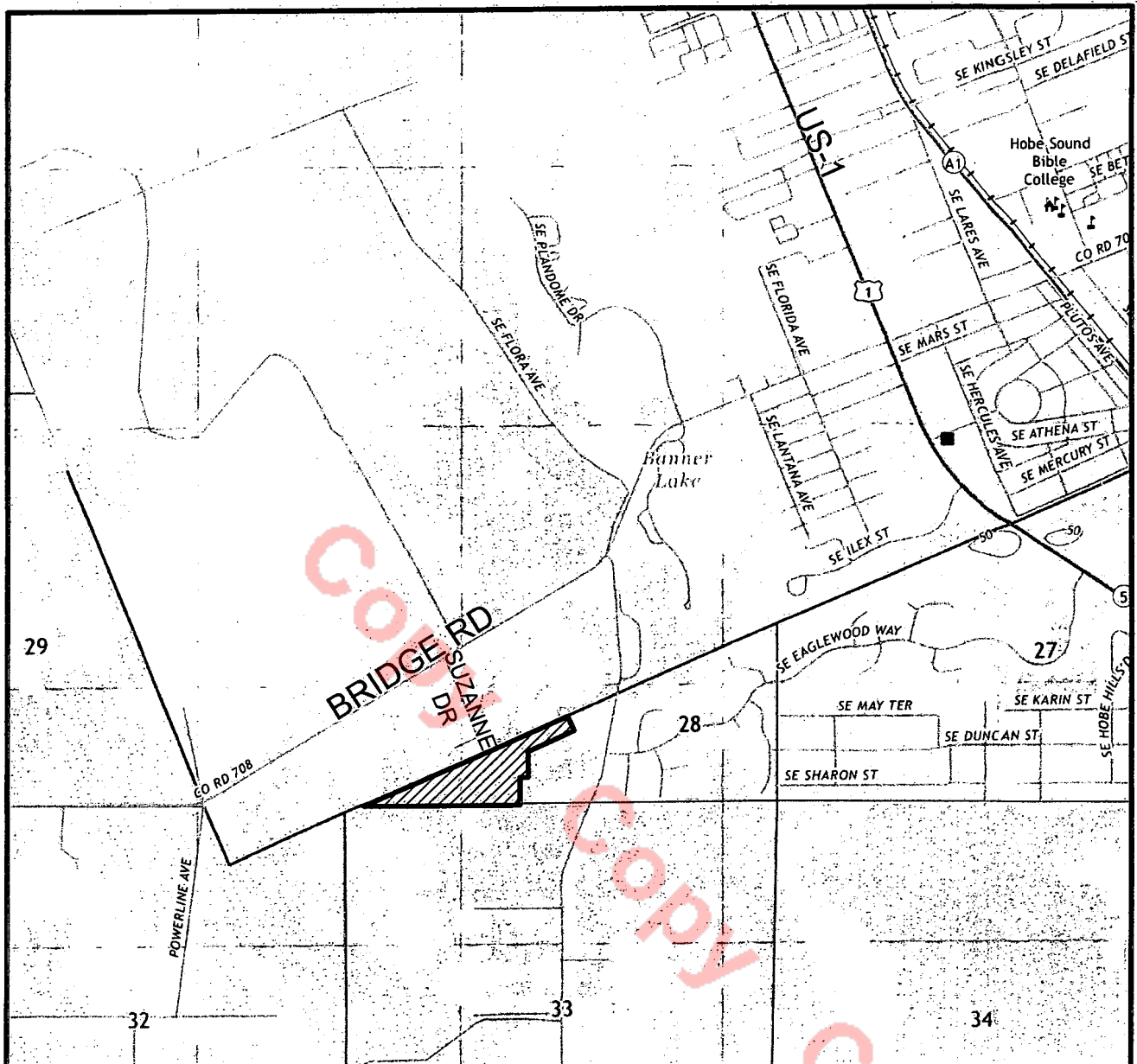
1000 SE MONTEREY COMMONS BLVD., SUITE 208
STUART, FL 34996
772-287-8771 FAX 772-287-2988
WWW.EWCONSULTANTS.COM

APR 2020

FIGURE

1





USGS QUAD "GOMEZ", SECTION 28, TOWNSHIP 39 SOUTH, RANGE 42 EAST, HOBE SOUND, MARTIN COUNTY, FLORIDA, LATITUDE 27°02'39.43" LONGITUDE -80°09'9.07"

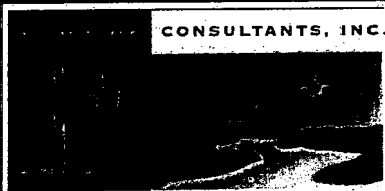
LEGEND

 - SITE (22.7± AC)



COASTAL WASTE & RECYCLING OF MARTIN QUAD

Coastal Recycling.dwg QUAD

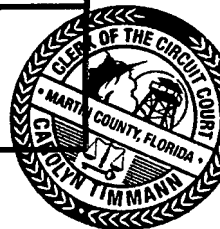


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 STUART, FL 34996
 772-287-8771 FAX 772-287-2988
 WWW.EWCONSULTANTS.COM

SEPT 2020

FIGURE

2



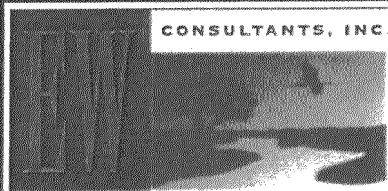


MARTIN COUNTY AERIALS DATED 2020



**COASTAL WASTE &
RECYCLING OF MARTIN
AERIAL**

Coastal Recycling.dwg AERIAL



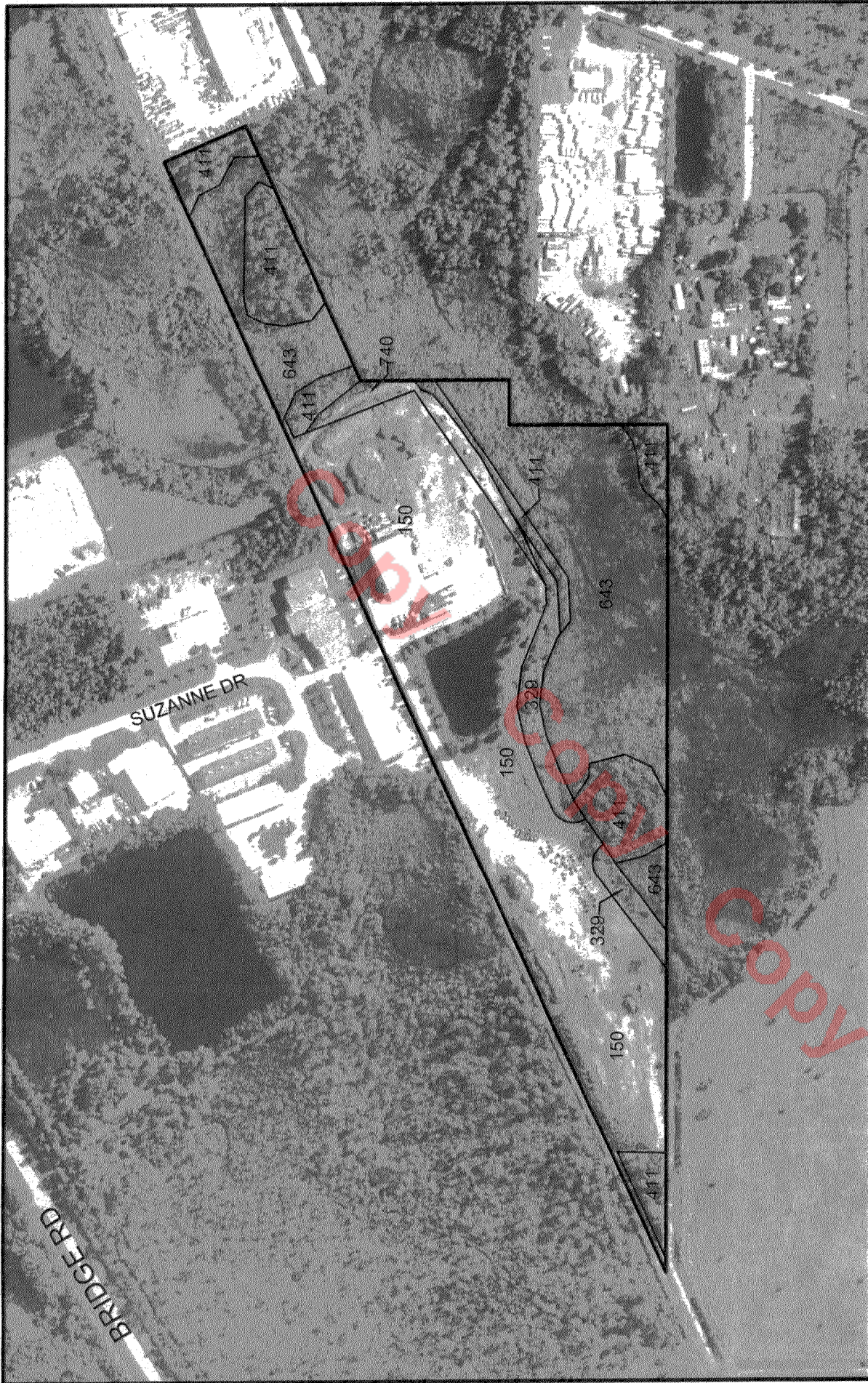
EW CONSULTANTS, INC.
 1000 SE MONTEREY COMMONS BLVD., SUITE 208
 STUART, FL 34996
 772-287-8771 FAX 772-287-2988
 WWW.EWCONSULTANTS.COM

SEPT 2020

FIGURE

3

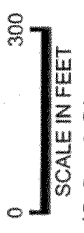




MARTIN COUNTY AERIALS DATED 2020

LEGEND

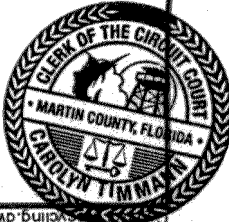
- 150 - INDUSTRIAL (11.0± AC)
- 329 - SHRUBS & BRUSH (0.9± AC)
- 411 - PINE FLATWOODS (3.3± AC)
- 643 - WET PRAIRIE (6.9± AC)
- 740 - DISTURBED LANDS (0.6± AC)
- TOTAL SITE 22.7± AC**



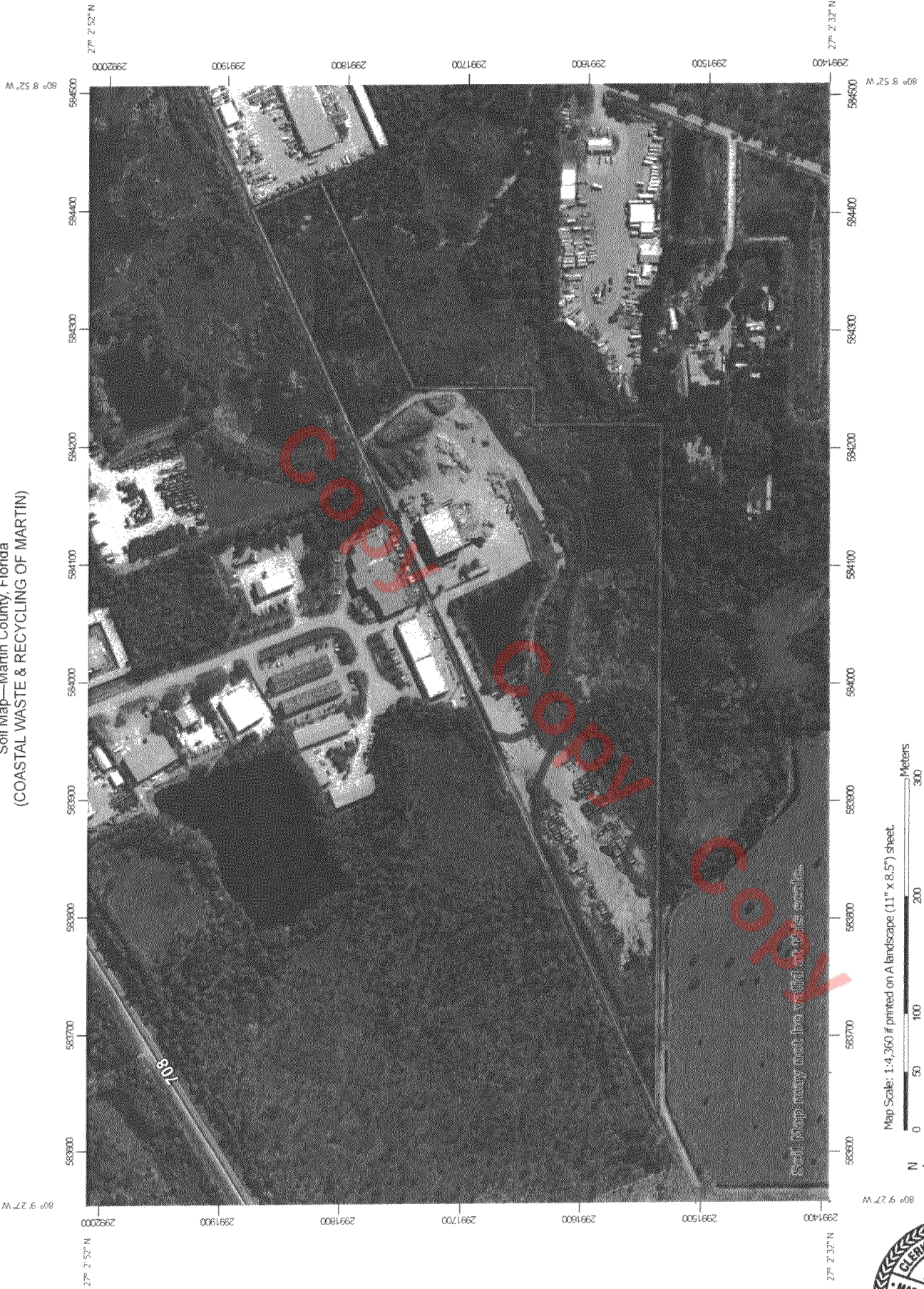
COASTAL WASTE & RECYCLING OF MARTIN FLUCFCS

EW CONSULTANTS, INC.
8700 HWY 17, SUITE 200
 TAMPA, FL 33618
 772.886.4488
 WWW.EWCONSULTANTS.COM

SEPT 2020
FIGURE 3

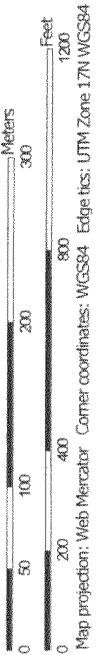


Soil Map—Martin County, Florida
(COASTAL WASTE & RECYCLING OF MARTIN)

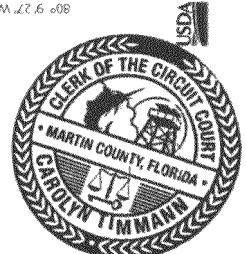


Soil Map may not be valid at this scale.

Map Scale: 1:4,360 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

Soil Map—Martin County, Florida
(COASTAL WASTE & RECYCLING OF MARTIN)

MAP LEGEND

- Area of Interest (AOI)
 - Area of Interest (AOI)
- Soils
 - Soil Map Unit Polygons
 - Soil Map Unit Lines
 - Soil Map Unit Points
- Special Point Features
 - Blowout
 - Borrow Pit
 - Clay Spot
 - Closed Depression
 - Gravel Pit
 - Gravelly Spot
 - Landfill
 - Lava Flow
 - Marsh or swamp
 - Mine or Quarry
 - Miscellaneous Water
 - Perennial Water
 - Rock Outcrop
 - Saline Spot
 - Sandy Spot
 - Severely Eroded Spot
 - Sinkhole
 - Slide or Slip
 - Sodic Spot
- Transportation
 - Rails
 - Interstate Highways
 - US Routes
 - Major Roads
- Background
 - Aerial Photography
- Other
 - Spoil Area
 - Stony Spot
 - Very Stony Spot
 - Wet Spot
 - Other
 - Special Line Features

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale. Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

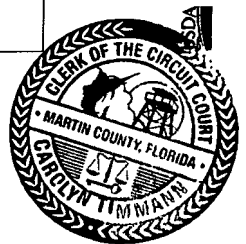
This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Martin County, Florida
Survey Area Data: Version 18, Sep 17, 2019

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 7, 2019—Mar 13, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

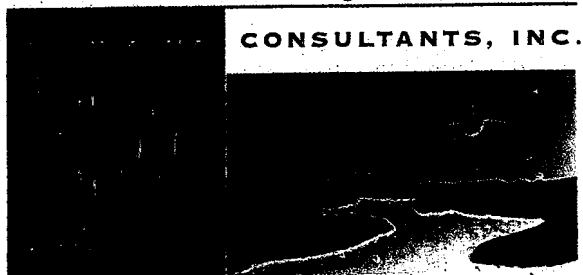
| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|------------------------------------|--|--------------|----------------|
| 4 | Waveland and Immokalee fine sands | 13.9 | 61.1% |
| 5 | Waveland and Lawnwood fine sands, depressional | 7.6 | 33.3% |
| 21 | Pineda-Riviera fine sands association, 0 to 2 percent slopes | 1.3 | 5.7% |
| Totals for Area of Interest | | 22.8 | 100.0% |

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COASTAL RECYCLING

PRESERVE AREA RESTORATION, MONITORING AND MANAGEMENT PLAN

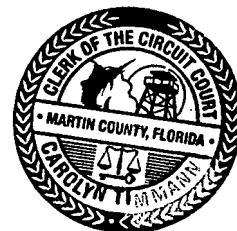
Prepared for:

Coastal Waste & Recycling Of Martin County, LLC

Prepared by:

EW Consultants, Inc.

September 2020
Revised July 2021



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INTRODUCTION

This Preserve Area Restoration, Monitoring and Management Plan has been prepared in order to provide site specific milestones and scheduling for completion of the habitat restoration elements for the Coastal Recycling preserve areas as well as the transition from habitat restoration to long term management. The information contained within this Plan provides site specific information that has been gathered through extensive field evaluations which will serve as guidance for the implementation of the restoration and future management of the preserve. This restoration, monitoring, and maintenance will be conducted under the requirements of the Preserve Area Management Plan (PAMP) prepared for the 11.69 +/- acres of upland and wetland preserve located on the 22.70 +/- acre Coastal Recycling property.

TECHNICAL APPROACH

The purpose of this plan is to develop the technical approach to implementation of the preserve area restoration portion of the Coastal Recycling project. The approach separates the restoration efforts related to the upland habitats which comprise approximately 4.80 +/- acres of the preserve area from the restoration of the approximately 6.89 +/- acres of wetland habitats that comprise the remainder of the preserve. In addition, the approach will provide for the implementation of restoration and management activities in a logical progression based on site characteristics and the practical application of the necessary restoration techniques.

WETLAND RESTORATION

The Coastal Recycling preserve area contains approximately 6.89 +/- acres of wetland habitat which includes freshwater marsh, wet prairie, and willow swamp. The primary work for completion of the wetland restoration will be the initial eradication of invasive non-native and nuisance vegetation and installation of native plants where necessary. Vegetation assemblages including the presence and percent coverages of native, non-native and nuisance species vary throughout the wetland habitats. As a result of the varying conditions, restoration techniques and intensity of restoration requirements will be unique to each area.



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The wetland habitats and their respective restoration requirements are described separately below. There are two portions of the wetland that are designated as Wetland Restoration Tracts A and B which are approximately 0.25 and 0.51 +/- acres respectively. Tracts A and B are located in the western portion of the southern wetland and on both sides of an upland area referred to as Upland Preserve Tract A. The remaining portions of wetland that is located along the southern property boundary and adjacent to Wetland Restoration Tracts A and B is referred to as the southern wetland. Accordingly, the wetland located at the northeastern portion of the preserve is referred to as the northern wetland.

The following descriptions of the wetland preserve areas document the conditions of these areas prior to the completion of restoration activities called for in this plan.

Wetland Restoration Tract A

This 0.25 +/- acre wetland preserve area contains approximately 50% coverage by Carolina willow. Invasive non-native species including para grass, torpedo grass, Peruvian primrose willow, and old-world climbing fern. Earleaf acacia is also present, and accounts for approximately 25% of the total vegetative coverage. Native species include lanceleaf arrowhead, pickerelweed, buttonbush, wax myrtle, swamp mallow, swamp fern, and smartweed. In addition to invasive non-native and nuisance species control, this wetland restoration area will require supplemental planting. The need for supplemental planting will be determined following the completion of invasive non-native and nuisance vegetation eradication. The required supplemental planting will be determined based on the amount of area left barren as a result of eradication and the potential for natural recruitment of native species from surrounding areas. Detailed planting specifications and criteria are further described in the Wetland Supplemental Planting section below.

Wetland Restoration Tract B

This 0.51 +/- acre wetland preserve area contains approximately 50% coverage by Carolina willow. Invasive non-native species including para grass, torpedo grass, and Peruvian primrose willow account for an additional 30% coverage of this area. Native species include buttonbush, salt bush, and wax myrtle. In addition to invasive non-native and nuisance species eradication, this wetland restoration area will require supplemental planting. The need for supplemental planting will be determined following the completion of invasive non-native and nuisance vegetation eradication. The required supplemental planting will be based on the amount of area left barren as a result of eradication and the potential for natural recruitment of native species from surrounding areas. Detailed planting specifications and criteria are further described in the Wetland Supplemental Planting section below.



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Southern Wetland

This 4.68 +/- acre wetland contains two large areas that are dominated by nuisance cattail at the eastern and western extents. The western patch of cattail is 0.7 +/- acres and the eastern patch of cattail is 1.1 +/- acres. Approximately 0.15 acres dominated by para grass occurs in the northwestern portion of the wetland, adjacent to Wetland Restoration Tract B.

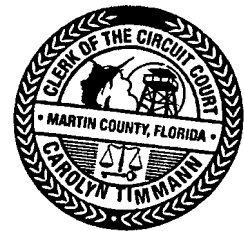
The central portions of the wetland are dominated by native species including pickerelweed, lanceleaf arrowhead, buttonbush, jointed spikerush, and slim spikerush. Scattered occurrences of invasive non-native species including melaleuca, torpedo grass, papyrus sedge, along with nuisance coverage levels of Carolina willow and cattails occur in the central area of the wetland. Most of the invasive non-native papyrus sedge is located in the center of this wetland although smaller areas were observed throughout.

Northern Wetland

The 1.45 +/- acre northern wetland is separated into two parts by an upland island. The wetland contains freshwater marsh habitat to the west of the island and wet prairie habitat to the east of the island. The freshwater marsh portion contains a monoculture of Carolina willow along the western extent that accounts for approximately 20% of this area. The remainder of the marsh contains approximately 15% overall cover of cattail, 40% cover by papyrus sedge, and 25% cover by natives including pickerelweed, lanceleaf arrowhead, and buttonbush. The eastern wet prairie habitat contains approximately 20% coverage by torpedo grass and 10% coverage by papyrus sedge. The remaining portions of this habitat are dominated by native beaksedges, yellow-eye grass, corkwood, lanceleaf arrowhead, and pickerelweed.

Invasive Non-Native and Nuisance Species Control

Scattered occurrences of woody and herbaceous nuisance and invasive non-native vegetation including Brazilian pepper, Java plum, melaleuca, Peruvian primrose willow, torpedo grass, paragrass, papyrus sedge, and lygodium have been identified in isolated portions of the wetland preserve areas. Carolina willow and cattails are also present throughout the wetlands. Although both Carolina willow and cattails are native, these species can reach nuisance coverage levels crowding and shading out other species. Eradication of the nuisance and invasive non-native vegetation will be completed through in-place herbicide treatment. This method will reduce the risk of damage to non-target species that would occur from broad treatment or mechanical removal.



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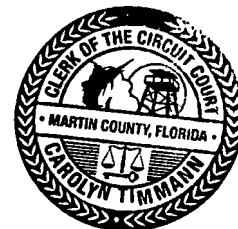
Basal, foliar, and/or injection application methods will be utilized to apply appropriate herbicides by a licensed technician. Other acceptable methods of treatment and control may include cutting and stump treatment of sapling sized vegetation and hand-pulling of seedlings. Management of native nuisance species such as Carolina willow and cattail reduce coverage to normal levels without full eradication. Although these species can overtake an area and reduce species diversity, they provide refuge, foraging, and nesting habitat for a variety of wildlife. Based on the current coverage of these species, a reduction of approximately 80% of the total current coverage will be implemented. The wetlands will be traversed on foot or by boat in order to achieve a complete eradication of the invasive non-native species and desired level of control of nuisance species coverage levels present in these wetlands.

Where practical, high density invasive and nuisance native species will be eradicated using forestry mulching equipment. Rubber tracked machines (skid steer) and/or tracked machines using mats will be used where access will not cause significant (>6") disturbance of the substrate. This technique will allow for reduction of standing dead material while maintaining biomass within the system.

Wetland Supplemental Planting

The 0.25 +/- acre Wetland Restoration Tract A and 0.51 +/- acre Restoration Tract B may require supplemental planting following the completion of invasive non-native and nuisance species eradication and control. A period of three months will be allowed for native recruitment after completion of herbicide treatment in place. Should native recruitment achieve plant cover of 30% or greater in the treated areas within this three month period, supplemental planting will not be immediately required. After one year from treatment, should vegetative cover of native species meet or exceed 80% coverage, no supplemental planting will be required.

If after three months 30% coverage has not been achieved, or after one year 80% coverage has not been achieved, supplemental planting will be required. The following planting specifications have been prepared for areas that require supplemental planting after the one year native recruitment period. Plant species and their relative cover factors may be adjusted based on actual native recruitment, plant availability, and specific hydrological conditions of the planting area. Plant quantities will be adjusted as necessary to meet the required coverage after one year.



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WETLAND RESTORATION TRACT A – 0.25 +/- ACRE

| Common Name | Latin Name | Plant Specifications | Plant Quantity |
|---------------------|------------------------------------|----------------------|----------------|
| Soft rush | <i>Juncus effusus</i> | Bare Root | 182 |
| Jointed Spikerush | <i>Eleocharis equisetoides</i> | Bare Root | 182 |
| Giant bulrush | <i>Schoenoplectus californicus</i> | Bare Root | 182 |
| Pickerelweed | <i>Pontedaria cordata</i> | Bare Root | 242 |
| Lanceleaf arrowhead | <i>Sagittaria lancifolia</i> | Bare Root | 242 |
| Sand Cordgrass | <i>Spartina bakeri</i> | 1 Gallon | 182 |

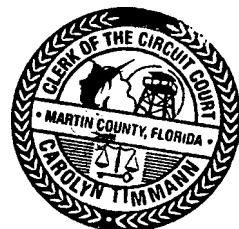
WETLAND RESTORATION TRACT B – 0.51 +/- ACRE

| Common Name | Latin Name | Plant Specifications | Plant Quantity |
|---------------------|------------------------------------|----------------------|----------------|
| Soft rush | <i>Juncus effusus</i> | Bare Root | 370 |
| Jointed Spikerush | <i>Eleocharis equisetoides</i> | Bare Root | 370 |
| Giant bulrush | <i>Schoenoplectus californicus</i> | Bare Root | 370 |
| Pickerelweed | <i>Pontedaria cordata</i> | Bare Root | 494 |
| Lanceleaf arrowhead | <i>Sagittaria lancifolia</i> | Bare Root | 494 |
| Sand Cordgrass | <i>Spartina bakeri</i> | 1 Gallon | 370 |

UPLAND RESTORATION

The preserve area contains approximately 4.80 +/- acres of upland habitat consisting primarily of pine flatwoods that occur in seven separate locations within the preserve, as well as a linear upland buffer areas that extends between the development portion of the property and the wetlands. The primary work for completion of restoration within the upland portions of the preserve will consist of initial eradication of invasive non-native and nuisance species as well as removal of fill material to re-establish natural grades and elevations followed by replanting of the upland buffers.

The upland preservation pine flatwood areas are referred to as 'Tracts' and designated as Tracts A through G. Although the composition of native species is similar for all of the upland tracts, each tract contains varying levels of coverage of nuisance and invasive non-native vegetation and in some cases additional restoration requirements including the removal of fill material as described below. The following descriptions of the upland preserve areas represent the conditions of these areas prior to implementation of the restoration activities provided for in this plan.



EW Consultants, Inc.**Natural Resource Management, Wetland, and Environmental Permitting Services**Tract A

This 0.82 +/- acre upland preserve area is located in the western portion of the property and extends from the southern boundary to the development portion of the property.

Dominant native vegetation includes slash pine, dahoon holly, saw palmetto, myrsine, gallberry, and swamp fern. Invasive non-native vegetation including Brazilian pepper, earleaf acacia, ficus, and old-world climbing fern are present at approximately 20-30% vegetative coverage.

Tract B

This 0.29 +/- acre upland preserve area is located in the southeastern portion of the preserve. Dominant native vegetation includes slash pine, dahoon holly, saw palmetto, fetterbush, and swamp fern. Invasive non-native vegetation including Brazilian pepper, melaleuca, and old-world climbing fern are present at approximately 60-70% vegetative coverage.

Tract C

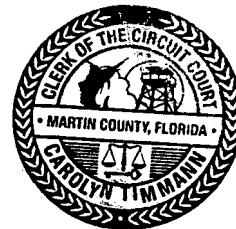
This 0.37 +/- acre upland preserve area is located in the central portion of the preserve adjacent to the northern preserve boundary and development portion of the property. Dominant native vegetation consists of slash pine, dahoon holly, saw palmetto, and swamp fern. Invasive non-native and nuisance species including Brazilian pepper, ficus, coconut palm, and old-world climbing fern are present at approximately 10% vegetative coverage.

Tract D

This 0.53 +/- acre upland preserve area is located in the northeastern portion of the preserve, adjacent to the eastern boundary of the development area. Native vegetation consists of scattered live and dead slash pine, saw palmetto, and swamp fern. Invasive non-native and nuisance species including Brazilian pepper, rattlebox, castor, Caesar weed, moon vine, and various ruderal weed species are present at approximately 60-75% vegetative coverage.

Tract D also contains fill material consisting of crushed concrete, rubble, and woody debris along the western boundary of the preserve. Fill material and other debris will be removed from the preserve area to uncover the native soil and this area will be graded to restore the slope and natural elevations. The removed material will be disposed of outside any preserve area.

Barren areas will result from the eradication of invasive non-native and nuisance species and removal of fill material from the preserve. Barren areas will be planted with native species that are representative of mesic pine flatwoods habitat. Detailed planting specifications and recommendations are described in the Upland Supplemental Planting section below.



EW Consultants, Inc.**Natural Resource Management, Wetland, and Environmental Permitting Services**Tract E

This 0.90 +/- acre upland preserve area is located in the northeastern portion of the preserve. Native vegetation consists of slash pine, dahoon holly, swamp bay, saw palmetto, gallberry, fetterbush, and swamp fern. Invasive non-native and nuisance species including Brazilian pepper, earleaf acacia, bishopwood, schefflera, old-world climbing fern, and napier grass are present at 20-25% vegetative coverage.

Tract F

This 0.37 +/- acre upland preserve area is located in the northeastern most portion of the preserve, adjacent to the eastern property boundary. Native vegetation consists of slash pine, dahoon holly, swamp bay, saw palmetto, gallberry, fetterbush, and swamp fern. Invasive non-native and nuisance species including Brazilian pepper, earleaf acacia, bishopwood, schefflera, old-world climbing fern, and napier grass are present at 20-25% vegetative coverage.

Tract G

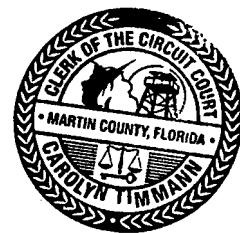
This 0.30 +/- acre upland preserve area is located in the southwestern extent of the property. Native vegetation consists of slash pine, saw palmetto, gallberry, fetterbush, rusty lyonia, and swamp fern. Invasive non-native and nuisance species including Brazilian pepper, earleaf acacia, schefflera, old-world climbing fern, guinea grass, and cogon grass are present at 10-15% vegetative coverage.

Tract G also contains fill material consisting of crushed concrete and rubble along the eastern boundary of the preserve. Fill material and any other debris will be removed from the preserve area down to native soil and this area will be graded to restore the natural elevations. The removed material will be disposed of outside any preserve areas.

Barren areas will result from the eradication of invasive non-native and nuisance species and removal of fill material from the preserve. Barren areas will be planted with native species representative of mesic pine flatwoods habitat. Detailed planting specifications and recommendations are further described in the Upland Supplemental Planting section below.

Upland buffer

A minimum 50 foot wide upland buffer comprising approximately 1.22 +/- acres extends between the wetland portions of the preserve and the development portion of the property (Tracts C and D). Portions of this buffer, particularly the western portion contain native species including Carolina willow and scattered cord grass, however, these areas are otherwise dominated by ruderal weeds such as ragweed and beggars ticks.



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Portions of the eastern half of the buffer contain fill material consisting of crushed concrete and rubble. Fill material and any other debris will be removed from the preserve area down to native soil and this area will be graded to restore the natural elevations. The removed material will be disposed of outside any preserve areas.

Most of this buffer area will be barren areas following the eradication of invasive non-native and nuisance species and removal of fill material from the preserve. Barren areas will be planted with native species that are representative of mesic pine flatwoods habitat. Detailed planting specifications and recommendations are further described in the Upland Supplemental Planting section below.

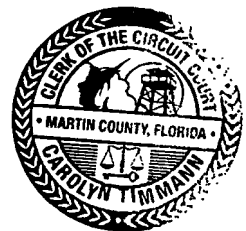
Exotic and Nuisance Species Control

Eradication of the nuisance and invasive non-native vegetation will be completed through in-place herbicide treatment. This method will reduce the risk of impacts to non-target vegetation that may otherwise occur with broad treatment or mechanical removal of the targeted vegetation from the upland preserve areas. Basal, foliar, and/or injection application methods will be utilized to apply appropriate herbicides by a licensed technician. Other acceptable methods of treatment and control may include cutting and stump treatment of sapling sized vegetation and hand-pulling of seedlings.

Where practical, high density invasive and nuisance native species will be eradicated using forestry mulching equipment. Rubber tracked machines (skid steer) and/or tracked machines using mats will be used where access will not cause significant (>6") disturbance of the substrate. This technique will allow for reduction of standing dead material while maintaining biomass within the system.

Removal of Fill Material

Portions of the upland preserve area have been impacted by the placement of fill material consisting of crushed concrete and rubble. The fill material will be removed to expose the natural soil and will require regrading. The total estimated area of fill material to be removed from upland preserve area is approximately 0.7 acres and is located along the eastern, southern, and western development boundaries. The fill material will be removed using heavy equipment and the work area will be accessed from the development area. The removed material will be disposed of outside of any preserve areas.



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Upland Supplemental Planting

Approximately 1.5 +/- acres of upland buffer and other upland preserve area is expected to require supplemental planting following the completion of invasive non-native vegetation eradication, nuisance species control, and removal of fill material. The following planting specifications have been prepared for areas that require supplemental planting after eradication is completed. Plant species and their relative cover factors may be adjusted based on plant availability and specific conditions of the planting area. Plant quantities may be adjusted following completion of the exotic species eradication and nuisance species control.

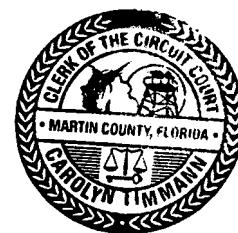
Replanted upland areas will be mulched after plant installation in order to control weeds and re-growth of undesirable species.

UPLAND RESTORATION AREA – 1.5 ACRES

| Common Name | Latin Name | Plant Specifications | Plant Quantity |
|-------------------|-------------------------------|----------------------|----------------|
| Slash Pine | <i>Pinus elliotii</i> | 8' min. height | 16 |
| Saw Palmetto | <i>Serenoa repens</i> | 1 Gallon | 67 |
| Wax Myrtle | <i>Myrica cerifera</i> | 1 Gallon | 133 |
| Fetterbush | <i>Lyonia lucida</i> | 1 Gallon | 133 |
| Gallberry | <i>Illex glabra</i> | 1 Gallon | 133 |
| Sand Cordgrass | <i>Spartina bakeri</i> | 1 Gallon | 817 |
| Muhly grass | <i>Muhlenbergia capilaris</i> | 1 Gallon | 817 |
| Fakahatchee grass | <i>Tripsacum dactyloides</i> | Quart | 613 |

MONITORING

A monitoring program will be implemented in order to document progress toward the achievement of management objectives as described in this Preserve Area Restoration, Monitoring and Maintenance Plan. The monitoring program will include transects and data collection stations along each transect that will document conditions within each of the upland and wetland restoration areas that will require planting. Establishment of the transects and data collection stations will be completed concurrently with a Time Zero monitoring event in order to document conditions immediately following the completion of the treatment of invasive non-native and nuisance vegetation, removal of fill material, and installation of native plants.



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Monitoring will be conducted annually in the restoration areas for two years beginning with the Time Zero report followed by two annual reports. Each monitoring report will be submitted to the Martin County Growth Management Department in accordance with the schedule provided in this restoration plan. The documented data will provide necessary information for the adaptation of management techniques as the restored habitats become self-sustaining.

The monitoring reports will include a site location map, a monitoring map depicting the sampling stations, sampling methodology, a results and discussion section as well as a conclusive narrative summary. The discussion section will report on any habitat maintenance activities within the preserve areas, detail the status of invasive non-native and nuisance species control, the status of naturally occurring vegetation as well as other factors including natural recruitment of native species and indications of wildlife usage. The conclusive narrative summary will detail the findings and list any deficiencies and recommendations for modifications. Photographs and data collected from the vegetative monitoring stations will be provided as attachments to each monitoring report.

MAINTENANCE

Maintenance control treatments for eradication of invasive non-native species throughout the entire preserve/restoration area will be conducted on a quarterly basis for the same two year period as the monitoring program. Maintenance will be conducted by surveillance and herbicide treatment in place of invasive non-native species that occur in the preserve/restoration area. Criteria for successful will be less than 5% coverage of invasive non-native or nuisance species within the preserve/restoration area.

SUMMARY

The primary focus for completion of the habitat restoration involves eradication of invasive non-native species, removal of fill material from the preserve areas to uncover the native soil and restore grades, and establishing native plant material within resulting barren areas. Management of native nuisance species such as Carolina willow and cattail implement a reduction and control approach in place of eradication. Although these species when left unmanaged can overtake an area and thereby reduce species diversity, they provide refuge, foraging opportunities, and nesting habitat for a variety of wildlife. Additionally, the Carolina willow that is growing along the northern edge of the wetland provides a visual barrier for wildlife from the development portion of the property. A routine maintenance program that includes follow up treatment for invasive non-native species and control of native nuisance species will provide for the long term success of the restored preserve areas.



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SCHEDULE

The Restoration, Monitoring, and Maintenance activities for the 11.69 +/- acres will be conducted in accordance with the following schedule.

| <u>Activity</u> | <u>Date</u> |
|--|--------------------|
| Initiate Wetland Invasive Species Treat-in-Place | 7/10/21 |
| Initiate Upland Invasive Species Treat-in-Place | 8/01/21 |
| Complete Fill Removal from Preserve Areas | 8/15/21 |
| Initiate Upland Re-Planting | 8/15/21 |
| Complete Wetland Invasive Species Treat-in-Place | 8/31/21 |
| Complete Upland Invasive Species Treat-in-Place | 8/31/21 |
| Complete Upland Re-Planting | 9/30/21 |
| Submit Time Zero Monitoring Report | 10/15/21 |
| Complete First Quarterly Maintenance Treatment | 12/31/21 |
| Complete Second Quarterly Maintenance Treatment | 03/31/22 |
| Complete Third Quarterly Maintenance Treatment | 06/31/22 |
| Complete Fourth Quarterly Maintenance Treatment | 09/30/22 |
| Submit First Annual Monitoring Report | 10/15/22 |
| Complete Wetland Supplemental Planting (if needed for 80% cover) | 10/31/22 |
| Complete Fifth Quarterly Maintenance Treatment | 12/31/22 |
| Complete Sixth Quarterly Maintenance Treatment | 03/31/23 |
| Complete Seventh Quarterly Maintenance Treatment | 06/31/23 |
| Complete Eighth Quarterly Maintenance Treatment | 09/30/23 |
| Submit Final Monitoring Report and Certification | 10/31/23 |

COST PROJECTION

For provision of financial assurance, the following cost project is provided for the activities in the schedule provided above.

| | | |
|---------------------------------|--------------------------|-----------------|
| Earthwork | 2,500 c.y. @ \$2.50/c.y. | \$ 6,250 |
| Upland Re-Planting | 1.5 ac. @ \$10,000/ac. | \$15,000 |
| Year 1 Monitoring & Maintenance | 12 +/- ac. @ \$1,000/ac. | \$12,000 |
| Year 2 Monitoring & Maintenance | 12 +/- ac. @ \$800/ac. | \$ 9,600 |
| Total | | \$42,850 |



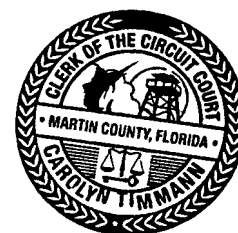
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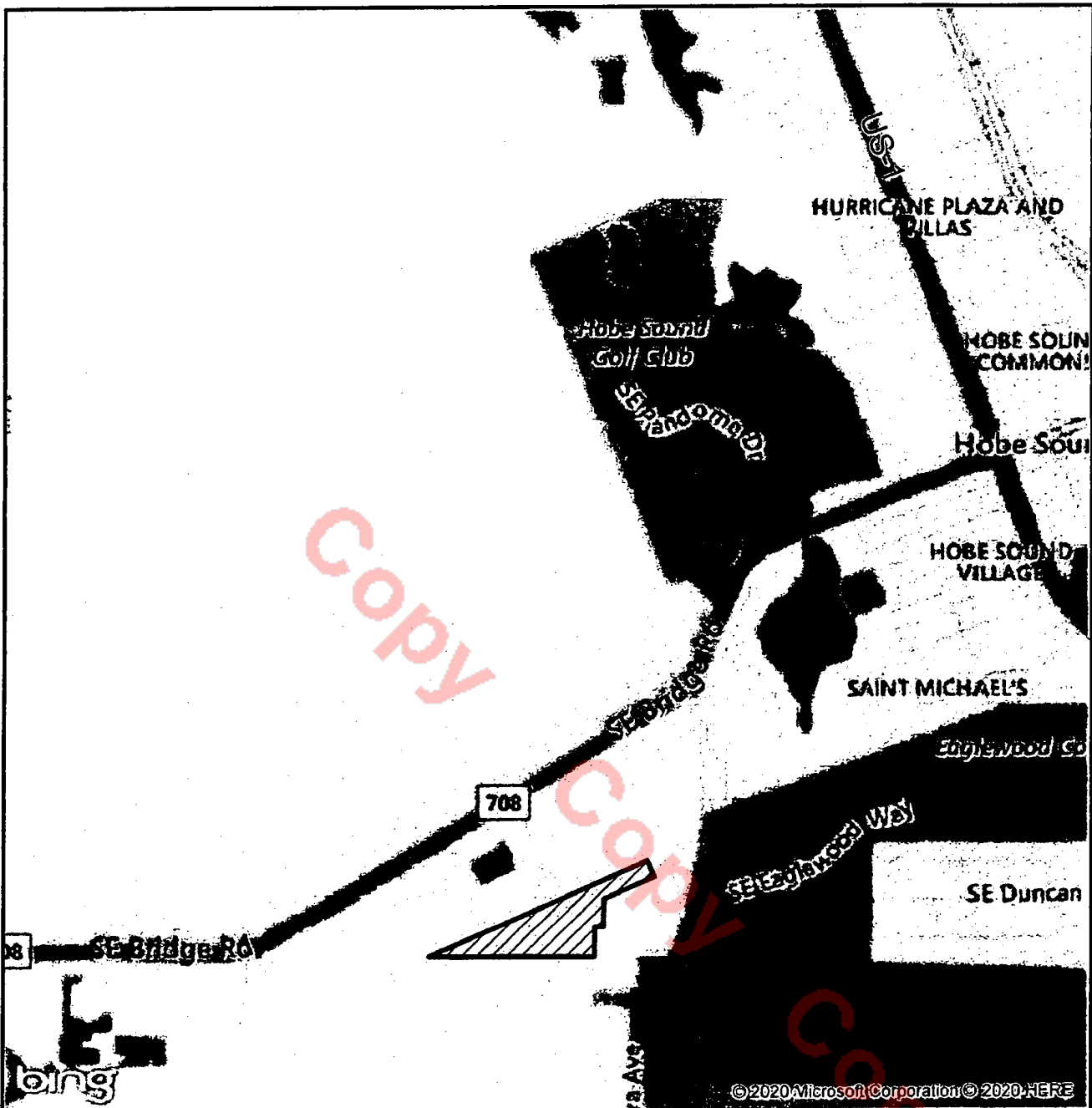
APPENDIX

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LEGEND

 - SITE (22.7+/- AC)

0 2,000 Feet

COASTAL WASTE & RECYCLING OF MARTIN

LOCATION MAP



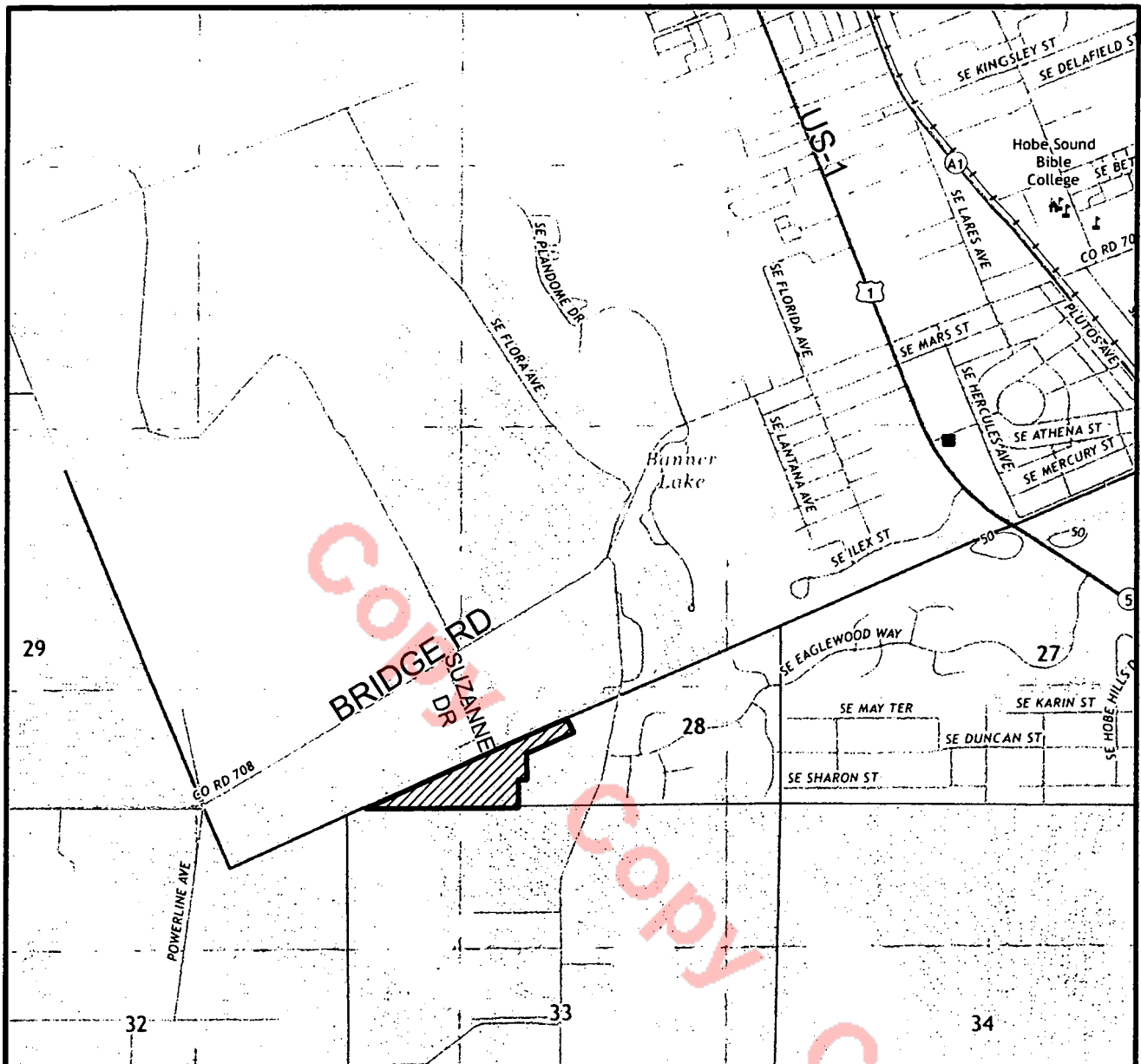
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 1000 SE MONTEREY COMMONS BLVD., SUITE 208
 STUART, FL 34996
 772-287-8771 FAX 772-287-2988
 WWW.EWCONSULTANTS.COM

APR 2020

FIGURE

1





USGS QUAD "GOMEZ", SECTION 28, TOWNSHIP 39 SOUTH, RANGE 42 EAST, HOBE SOUND, MARTIN COUNTY, FLORIDA, LATITUDE 27°02'39.43" LONGITUDE -80°09'9.07"

LEGEND

 - SITE (22.7± AC)



COASTAL WASTE & RECYCLING OF MARTIN QUAD

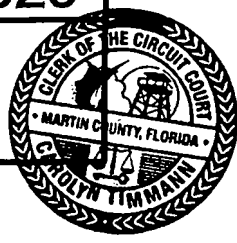
Coastal Recycling.dwg QUAD



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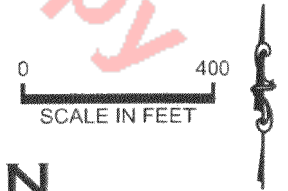
SEPT 2020

FIGURE 2



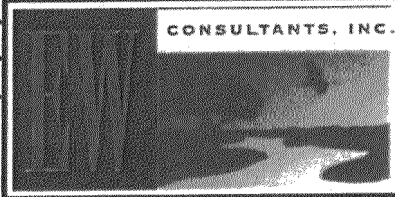


MARTIN COUNTY AERIALS DATED 2020



COASTAL WASTE & RECYCLING OF MARTIN AERIAL

Coastal Recycling.dwg AERIAL

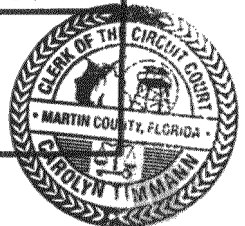


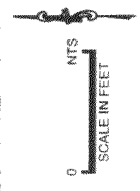
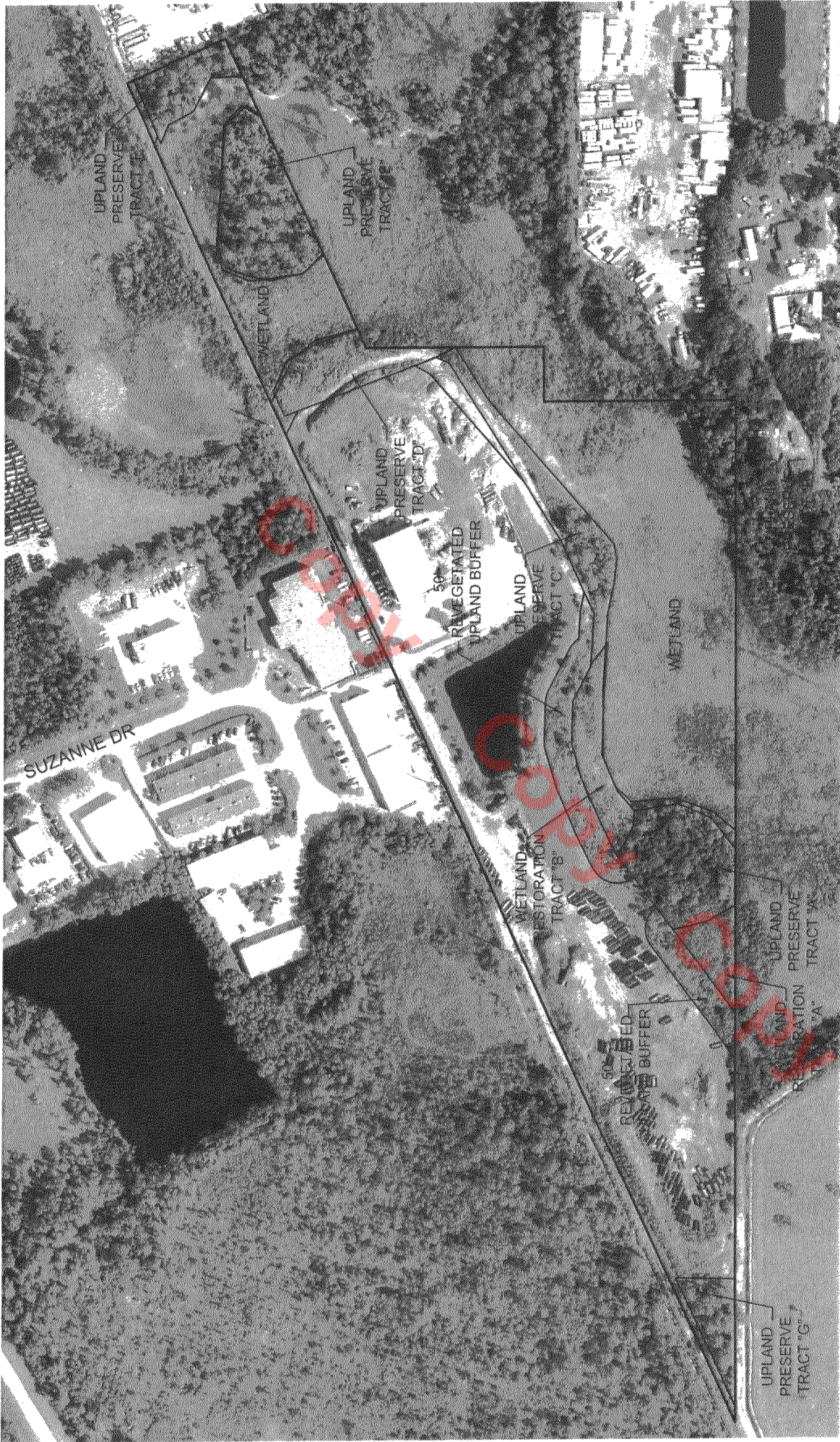
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FIGURE

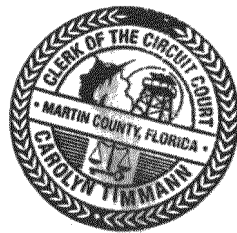
3

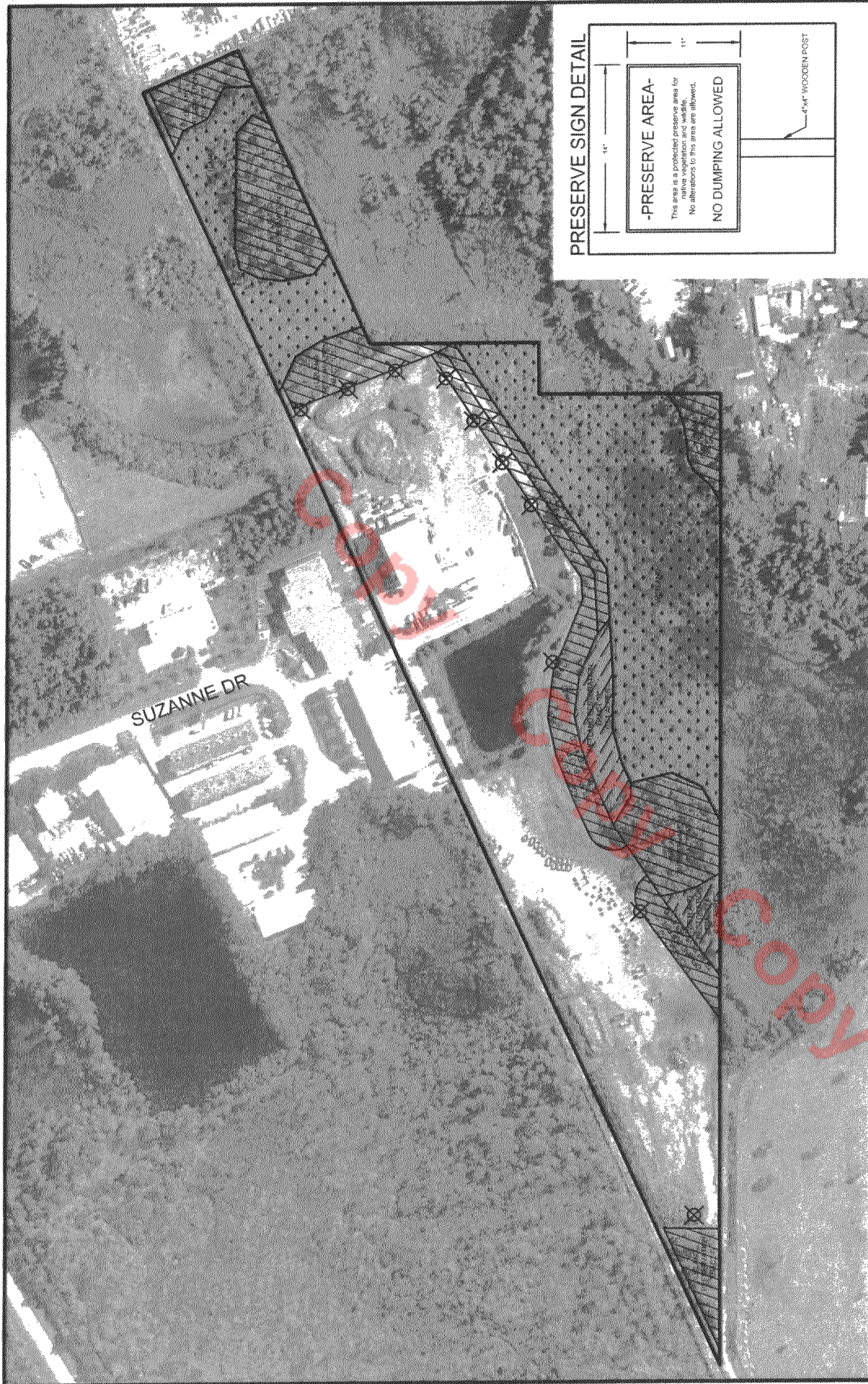




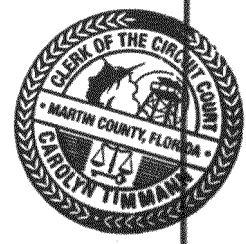
COASTAL RECYCLING
FIELD AERIAL WITH SITE PLAN PRESERVE CONDITIONS

MARTIN COUNTY AERIALS DATED 2019



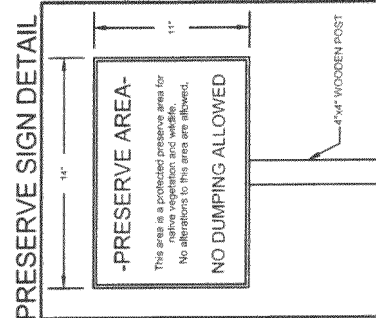


MARTIN COUNTY AERIALS DATED 2020



LEGEND

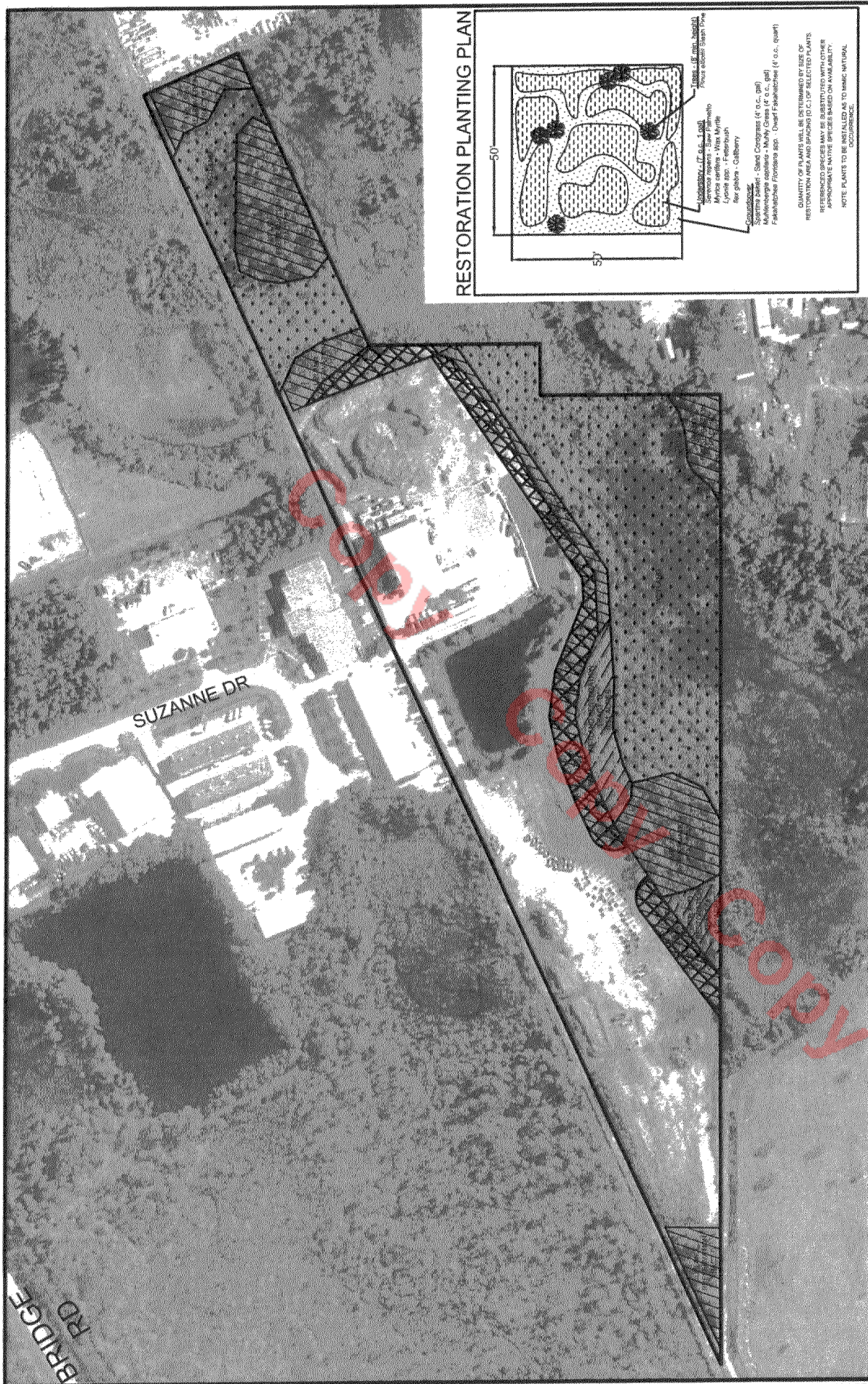
-  - EXISTING WETLAND PRESERVE (6.13± AC)
-  - NEW WETLAND RESTORATION (0.76± AC)
-  - TOTAL WETLAND PRESERVE (6.89± AC)
-  - UPLAND PRESERVE (4.8± AC)
-  - PRESERVE AREA SIGN (10)



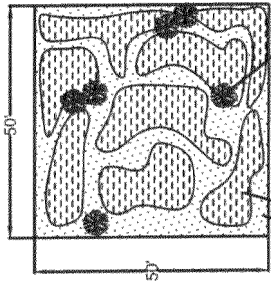
COASTAL WASTE & RECYCLING OF MARTIN PRESERVE AREA

EW CONSULTANTS, INC.
 10008 HUNTERSWOOD BLVD., SUITE 208
 MIAMI, FL 33156
 772-257-7271 FAX 772-257-2888
 WWW.EWCONSULTANTS.COM

SEPT 2020
FIGURE 5



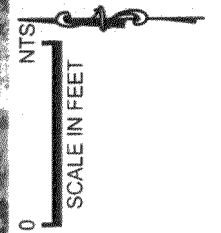
RESTORATION PLANTING PLAN



1. *Lythrum* sp. (1 c. per 100 sq. ft.)
 2. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 3. *Lythrum* sp. (1 c. per 100 sq. ft.)
 4. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 5. *Lythrum* sp. (1 c. per 100 sq. ft.)
 6. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 7. *Lythrum* sp. (1 c. per 100 sq. ft.)
 8. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 9. *Lythrum* sp. (1 c. per 100 sq. ft.)
 10. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 11. *Lythrum* sp. (1 c. per 100 sq. ft.)
 12. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 13. *Lythrum* sp. (1 c. per 100 sq. ft.)
 14. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 15. *Lythrum* sp. (1 c. per 100 sq. ft.)
 16. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 17. *Lythrum* sp. (1 c. per 100 sq. ft.)
 18. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 19. *Lythrum* sp. (1 c. per 100 sq. ft.)
 20. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 21. *Lythrum* sp. (1 c. per 100 sq. ft.)
 22. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 23. *Lythrum* sp. (1 c. per 100 sq. ft.)
 24. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 25. *Lythrum* sp. (1 c. per 100 sq. ft.)
 26. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 27. *Lythrum* sp. (1 c. per 100 sq. ft.)
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 30. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 31. *Lythrum* sp. (1 c. per 100 sq. ft.)
 32. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 33. *Lythrum* sp. (1 c. per 100 sq. ft.)
 34. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 35. *Lythrum* sp. (1 c. per 100 sq. ft.)
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 41. *Lythrum* sp. (1 c. per 100 sq. ft.)
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 43. *Lythrum* sp. (1 c. per 100 sq. ft.)
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 57. *Lythrum* sp. (1 c. per 100 sq. ft.)
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 65. *Lythrum* sp. (1 c. per 100 sq. ft.)
 66. *Myrica carolinensis* (1 c. per 100 sq. ft.)
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 84. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 85. *Lythrum* sp. (1 c. per 100 sq. ft.)
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 87. *Lythrum* sp. (1 c. per 100 sq. ft.)
 88. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 89. *Lythrum* sp. (1 c. per 100 sq. ft.)
 90. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 91. *Lythrum* sp. (1 c. per 100 sq. ft.)
 92. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 93. *Lythrum* sp. (1 c. per 100 sq. ft.)
 94. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 95. *Lythrum* sp. (1 c. per 100 sq. ft.)
 96. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 97. *Lythrum* sp. (1 c. per 100 sq. ft.)
 98. *Myrica carolinensis* (1 c. per 100 sq. ft.)
 99. *Lythrum* sp. (1 c. per 100 sq. ft.)
 100. *Myrica carolinensis* (1 c. per 100 sq. ft.)

Coastal Recycling.dwg RESTORATION

MARTIN COUNTY
AERIALS DATED 2020



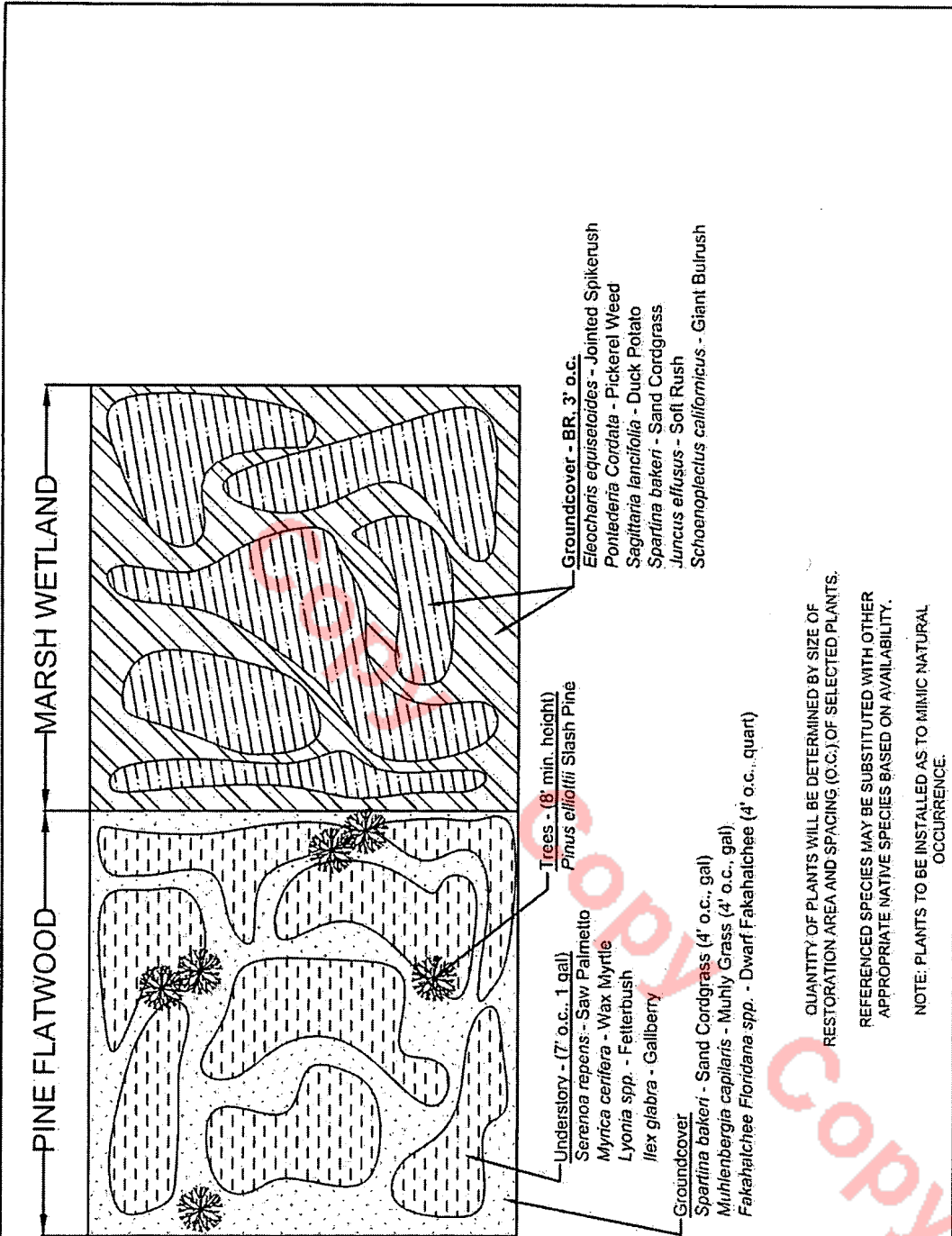
- LEGEND**
- EXISTING WETLAND PRESERVE (6.13± AC)
 - NEW WETLAND RESTORATION (0.76± AC)
 - TOTAL WETLAND PRESERVE (6.89± AC)
 - UPLAND PRESERVE (3.3± AC)
 - UPLAND RESTORATION AREA (1.5± AC)

COASTAL WASTE & RECYCLING OF MARTIN RESTORATION AREA

CONSULTANTS, INC.
 1000 BEAUCHAMP BLVD., SUITE 208
 STUART, FL 34999
 772.888.4888
 WWW.EWCONSULTANTS.COM

SEPT 2020
 FIGURE
 6

PINE FLATWOOD & MARSH RE-PLANTING PLAN



QUANTITY OF PLANTS WILL BE DETERMINED BY SIZE OF RESTORATION AREA AND SPACING (O.C.) OF SELECTED PLANTS. REFERENCED SPECIES MAY BE SUBSTITUTED WITH OTHER APPROPRIATE NATIVE SPECIES BASED ON AVAILABILITY.

NOTE: PLANTS TO BE INSTALLED AS TO MIMIC NATURAL OCCURRENCE.

STATE OF FLORIDA
MARTIN COUNTY

THIS IS TO CERTIFY THAT THE FOREGOING 59 PAGE(S) IS A TRUE AND CORRECT COPY OF THE ORIGINAL DOCUMENT AS FILED IN THIS OFFICE.

CAROLYN TIMMANN, CLERK

BY: [Signature] D.C.

DATE: 9/23/22



COASTAL WASTE & RECYCLING OF MARTIN REPLANTING PLAN

ARR 2020
FIGURE

EW CONSULTANTS, INC.
1000 SE Highway 200, Suite 204
STUART, FL 34986
772.337.9221 Fax: 772.342.2986
www.ewconsultants.com