

2017C.006

February 1, 2019

Danielle C. Sattelberger
Environmental Specialist II
Environmental Resource Permitting
Florida Department of Environmental Protection
Southeast District
3301 Gun Club Road, MSC 7210-1

Re: Grand Harbor Community - Individual Permit to Trim or Alter Mangroves

Permittee Name: Grand Harbor Community Association (GHCA)
C/O Joe Colasuonno, President GHCA
2231 Falls Circle
Vero Beach, FL 32967

Dear Ms. Sattelberger,

On behalf of Grand Harbor Community Association (GHCA), Coastal Tech-G.E.C., Inc. (CT-GEC) is submitting the attached application for a new Florida Department of Environmental Protection (FDEP) Individual Permit to Trim or Alter Mangroves (Individual Permit). For this project, GHCA proposes to trim and alter live mangroves which interfere with the use of the golf course at Grand Harbor. The project location is shown on attached *Figure 1 - Project Location Map*. This application is to request the following:

- 1) Verification of exemption to trim and maintain areas previously authorized for trimming under:
 - a. FDEP Permit No. 31-221778-4 issued in 1993, and
 - b. FDEP Permit No. 31-268455-4 issued in 1995.
- 2) Approval of an Individual Permit to Trim or Alter Mangroves for new areas proposed to be trimmed or altered.

The attached *Figure 2- Mangrove Areas Map* identifies the following areas proposed to be trimmed:

- Area 1 – Approximately 0.61 acres fronting the Indian River Lagoon. This area has not received a permit for mangrove cutting. This area is proposed to be trimmed as described below.
- Area 2 – Approximately 0.82 Acres located to the northeast of the golf cart bridge. This area has not received a permit for mangrove cutting. This area is proposed to be cut (altered) to a height of 6 ft with a single cut.
- Area 3 – Approximately 0.16 acres located to the southwest of the golf cart bridge. This area was authorized to be maintained at 6 ft, see FDEP Permit Number 31-221778-4 attached. This area is proposed to be cut to a height of 6 ft with a single cut
- Area 4 – Approximately 0.26 acres adjacent to S. Harbor Drive. This area has been maintained and hedge trimmed at a height of about 6 ft. To date, we have not obtained

evidence that FDEP issued a permit for mangrove cutting. This area is proposed to continue to be maintained at about 6 ft.

- Area 5 – Approximately 1.4 acres. This area was authorized to be cut in permit 31-268455-4 to be trimmed to a height of 6 ft where large black mangroves would be window trimmed. This area is proposed to be trimmed to 6 ft, allowing the large black mangroves to be window trimmed with the exception of the 0.26 acres identified in Area 6.
- Area 6 – Approximately 0.26 Acres. This area was authorized to be cut in permit 31-268455-4 to be trimmed to a height of 6 ft where large black mangroves would be window trimmed. This area is proposed to not be cut and “swapped” with Area 4 to mitigate the cutting of Area 4, see further explanation below.

Description of Mangrove Trimming Schedule

The applicant anticipates trimming the mangrove as soon as the permit is issued, prior to the beginning of the areas tourist season. The applicant will then make annual cuts prior to the tourist season.

Description of Mangrove Trimming Measures

Trimming is where: (a) mangroves are proposed to be cut to a final desired height while not significantly altering the mangrove in any one year and thus not likely resulting in mortality, and (b) in any one year, up to the ¼ of the total desired cut is allowed - to achieve the final desired height; Trimming is also subject to the following:

- Red mangroves can be cut but must preserve at least 3 feet of foliage above the prop root to remain with the remaining height expected to be at a minimum of 6 feet.
- For Black and White mangroves:
 - relatively short ($\leq 8\pm$ feet) – the mangroves can be hedge cut above a minimum height of 6 feet;
 - relatively high ($> 8\pm$ feet) - foliage within the mangroves can be removed to create a viewing area (or window) below the top 3 to 5 feet of foliage at by removal of lower foliage while preserving the mangrove trunk.

Mitigation Measures

On December 20, 2017, FDEP staff visited the site to observe the existing condition of the Mangrove. Based upon the site visit, FDEP staff generally divided the site into three different categories of mangroves (1) “area west of golf course”, (2) “area by condo unit”, and (3) “lagoon fringe”. FDEP staff provided a UMAM analysis for each of the three (3) areas assuming three different cutting scenarios: (1) the mangroves are trimmed, (2) the mangroves are altered due to cutting over a 4 year period, and (3) the mangroves are altered due to a non-staged cutting. These three scenarios are attached and are the basis of the proposed mitigation. The proposed cutting sites are located within the attached conservation easement, therefore, the proposed mitigation is doubled to terminate the conservation easement where alteration is proposed. On 9/10/2018, you emailed me and identified the following mitigation requirement:

“I plugged in the new acreages into UMAM and calculated the following:

- Trimming by lagoon fringe (0.61 acres) = functional loss of -0.02
- Non-staged alteration northeast of golf cart bridge (0.82 acres) = functional loss of 0.219
- Total proposed credits for cutting = 0.199
- Total credits (0.199+0.199) = 0.398”

Upon your confirmation that the mitigation outlined above is acceptable, GHCA will mail you proof of purchase of 0.4 mitigation credits from Bear Point Mitigation Bank. Also, upon your confirmation that the attached sketch is appropriate, we will provide the signed and sealed sketch and appropriate legal description.

Please review the attached information in application for a permit for this project. If you have any questions regarding this request, please contact me at 772-562-8580 or via email at tfontaine@coastaltechcorp.com.

Sincerely,

A handwritten signature in blue ink that reads "Charles T. Fontaine III". The signature is fluid and cursive, with the last name "Fontaine" being the most prominent part.

Tem Fontaine, P.E.
Senior Coastal Engineer
Coastal Tech-G.E.C, Inc.

Attachments:

1. FDEP Permit Application
2. Figure 1 - Project Location Map
3. Figure 2- Cutting Areas Map
4. Applicant Information From Sunbiz.org
5. Conservation Easement
6. FDEP Permit No. 31-221778-4
7. FDEP Permit No. 31-268455-4
8. UMAM Trimming Calculation Provided by FDEP
9. UMAM Staged Alteration Calculation Provided by FDEP
10. UMAM Non-Staged Alteration Calculation Provided by FDEP
11. Proposed Sketch

cc: Joe Colasuonno - GHCA
Michael Walther – CT-GEC

Attachment 1

FDEP Permit Application



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF INTENT TO USE S. 403.9327, F.S., *GENERAL PERMIT FOR MANGROVE TRIMMING* OR *APPLICATION FOR S. 403.9328, F.S., INDIVIDUAL PERMIT TO TRIM OR ALTER MANGROVES*

This application form may be used to provide notice to the Department of your intent to use a general permit to trim mangroves pursuant to Section 403.9327, Florida Statutes (F.S.), or to apply for an individual permit to alter or trim mangroves pursuant to Section 403.9328, F.S. Applications to trim or alter mangroves are not required to be submitted on this form. This form is being provided as a service to the public to clarify what information the department needs to process an application. Submitting all of the necessary information initially will reduce the permit application processing time.

GENERAL INFORMATION / INSTRUCTIONS

- ** Mangrove trimming - means to cut mangrove branches, twigs, limbs, and foliage, but does not mean to remove, defoliate or destroy the mangroves. Trimming does not include the cutting of prop/aerial roots.
- ** Mangrove alteration - means anything other than trimming of mangroves.
- ** Please submit all documents in a clearly legible form on 8 1/2 X 11 inch paper, type or print all information.
- ** If providing notice of intent to use a general permit for mangrove trimming pursuant to S. 403.9327, F. S., please complete sections 1, 2, 3, 4, 5 & 7 of this application.
- ** If requesting an individual permit to alter or trim mangroves pursuant to S. 403.9328, F. S., please complete sections 1, 2, 3, 4, 6, & 7 of this application.
- ** Submission of insufficient information may result in denial of the permit [403.9327(4), 403.9328(2)(a), F.S.]

FOR DEP USE ONLY

DATES: Received ___ / ___ / ___ Complete ___ / ___ / ___ Inspected ___ / ___ / ___

Application No. : MA ___ / ___ / ___ Fee Received: \$ _____

SECTION 1 / APPLICANT INFORMATION

Applicant/Riparian

Owners Name Grand Harbor Community Association, C/O Joe Colasuonno

Name of Applicants

Agent, if applicable Charles "Tem" FontaineAddress 2231 Falls CircleVero Beach, FL 32967Corporate Name Coastal Tech-G.E.C., Inc.Address 3625 20TH StreetVero Beach, Florida 32960Telephone (Day) 772-794-7804Telephone (Day) 772-562-8580**SECTION 2 / APPLICATION TYPE AND PROCESSING FEE** (check the appropriate box)New Permit ApplicationModification of Existing Permit No. MA / /☐ S. 403.9327 - General Permit for Trimming (\$250)☐ S. 403.9328 - Individual Permit for Mangrove Alteration or Trimming (\$250)☒ S. 403.9328 Individual Permit for Mangrove Alteration or Trimming☐ Request for Time Extension (\$90)☐ (1-19 mangroves \$420)☐ Request to Transfer Authorization to New Owner (\$90)☒ (20 or more mangroves \$830)

See attached map and cover letter for a description of proposed mangrove alteration and trimming.

(Explain)

SECTION 3 / SITE LOCATION (Please attach a vicinity map with clear directions to the proposed site using county, state, and U.S. highway names and route numbers. The vicinity map should clearly identify the project site so that a person unfamiliar with the area can locate the project site)Name of Waterway at Location of the Proposed Activity Indian River LagoonCounty and Municipality in Which the Proposed Activity is Located Indian River County (Unincorporated)

Location Where Proposed Activity Will Occur:

Grand Harbor Golf Course, adjacent to the Indian River Lagoon

Street address, road or other descriptive location

13,23,24

Section

32S

Township

39E

Range

Lot No. _____ Block No. _____ Subdivision Name Grand HarborIf Available Please Provide Coordinates 27 deg 41 min 00 sec "

for Center of Project:

Latitude

80 deg 23 min 00 sec "

Longitude

SECTION 4 / PROJECT SITE INFORMATION

1. Please provide scaled or dimensioned site plans showing an overhead and profile (side-view) drawings clearly delineating and identifying the areas to be trimmed or altered. The overhead and profile drawings should be submitted on separate 8 ½ X 11" sheets of paper and should include the following information:
 - a. Graphic scale, and all principal dimensions and extent of proposed trimming or alteration; include the depth of the mangrove area(s) as measured waterward from the trunk of the most landward mangrove tree in a direction perpendicular to the shoreline to the trunk of the most waterward mangrove tree; the extent of the mangrove canopy, the existing height of the mangroves and the proposed height after trimming or alteration; the location of the proposed trimming or alteration in relation to permanent features such as docks, seawalls, fences, etc.. The profile drawing should show the portions of the trees that are proposed to be trimmed or altered in annual stages, such that the tallest trees are trimmed first, i.e., each trimming event will be limited to the lowest height the tallest tree(s) may be trimmed down to for that year.

*** Please be aware that not all mangroves may legally be trimmed down to six (6) feet from the ground surface. Notice where the lowest leaves are located on the trees. A trimming event that removes most of the leaves may be classified as "defoliation," which is not authorized under a "trimming" authorization. S. 403.9325(8), F.S. defines "trim" as "to cut mangrove branches, twigs, limbs, and foliage, but does not mean to remove, defoliate, or destroy the mangroves." Arborists recommend not removing more than 25% of the foliage annually to maintain a healthy tree. In the Mangrove Act this 25% limit on annual removal of foliage is referred to as "staged trimming." See S. 403.9326(1)(b)3, F.S. Trees 16 ft. and taller must be staged trimmed.
 - b. Include the approximate location and species of all mangrove trees at the project site, or if this is not practical, show the area covered by the tree canopy and indicate the dominant tree species present.
 - c. Include the approximate shape and dimensions of the lot or parcel of land and the existing shoreline as determined using Rule 62-340, F.A.C. (approximate wetland or surface water/upland line) and the approximate location of the mean high water line, which is generally the waterward property boundary line.
 - d. North arrow and a legend that explains all symbols and patterns used in the drawings.
2. Please provide recent color photographs that clearly depict the existing conditions within the area of the proposed trimming or alteration. Mark on the photographs the heights or configurations that are proposed to be attained. Include some reference features in the photographs that can be used to judge the existing and proposed dimensions, heights, and configurations of the trees. These photographs should be labeled and mounted on 8 ½ X 11" paper.

SECTION 5 / INFORMATION SPECIFIC TO GENERAL PERMIT APPLICATIONS

- ** Applicants for a General Permit must provide sufficient information to enable the Department to determine the scope of the proposed trimming and whether the activity will comply with the conditions of Section 403.9327, Florida Statutes [S. 403.9327(4), F.S.].
- ** All trimming under a General Permit pursuant to Section 403.9327, Florida Statutes, must be performed by a professional mangrove trimmer. This application must be signed by the professional mangrove trimmer who will perform the trimming, and the individual who owns or controls the property.
1. Mangrove Trimming is Being Proposed According to the Following Section of the Act (check the appropriate box):
 - ☐ S. 403.9327(1)(a), F.S. - General Permit to Trim Mangroves for Riparian Property Owners
 - ☐ S. 403.9327(1)(b), F. S. - General Permit for the Limited Trimming of Mangroves Within Existing Navigational Channels, Basins, or Canals to Provide Clearance for Navigation of Watercraft

(Section 5 Continued on the next Page)

SECTION 5 (continued)

2. Are the mangroves that are proposed to be trimmed located on lands owned or controlled by the professional mangrove trimmer listed below, or by the person contracting with the professional mangrove trimmer, or on sovereign submerged lands (state owned submerged lands) immediately waterward and perpendicular to such lands? [S. 403.9326(1)(a), (b), (c), 403.9327, F.S.] ☒ Yes ☐ No

Explain All mangroves proposed to be trimmed are located on lands owned by GHCA.

Name of riparian owner Grand Harbor Community Association

3. Have mangroves on the parcel of property where this project is proposed, been trimmed in the past under a General Permit authorized by Section 403.9327(1), Florida Statutes? [S. 403.9327(3)(a), F.S.] ☒ Yes ☐ No

4. What percentage of the mangroves aerial extent along the shoreline will be trimmed? 100%

5. Please show how the mangroves will be trimmed to ensure that no more than 25 % of the foliage will be removed annually until the final height is achieved. Make allowance for regrowth. For staged trimming only the tallest trees may be trimmed initially such that each annual staged trim occurs only to a specific height above the substrate, to enable someone to follow the schedule and scope of the trimming. Please provide a schedule of trimming that includes, at a minimum, the anticipated beginning and ending dates of the trimming project (attach additional sheets if necessary). [S. 403.9326(1)(b), 403.9327(1)(a), 403.9328(2)(a), F.S.]

See the attached cover letter.

6. How will the cut mangrove material be removed, and where will the cut material be disposed?

The cut mangrove material will be removed using hand carts or golf carts and will be disposed of at the County landfill or other County Solid Waste Disposal Location.

7. Are the mangroves proposed to be trimmed located within a conservation easement? ☒ Yes ☐ No
If yes, attach a copy of the conservation easement.

8. Is the proposed trimming to occur on property developed for multifamily residential use? ☐ Yes ☒ No
If yes, trimming must be equitably distributed so that each owner's riparian view is similarly affected (S. 403.9327(1), F.S.).

9. Professional Mangrove Trimmer who will supervise or conduct the proposed mangrove trimming project:

Name _____ Address _____
(print or type)

Telephone(Day) _____

I qualify as professional mangrove trimmer under the following authority:

(If qualified by being a member of one of the professional groups listed in Subsection 403.9329(1), Florida Statutes, provide documentation of your membership. If qualified by the Department pursuant to Subsection 403.9327(2), Florida Statutes, a copy of the Notice of Professional Mangrove Trimmer Status must be submitted with this application.)

Signature _____ Date _____

SECTION 6 / INFORMATION SPECIFIC TO INDIVIDUAL PERMIT APPLICATIONS TO ALTER OR TRIM MANGROVES

****** If a proposed mangrove alteration or trimming project does not qualify for an exemption under Section 403.9326, Florida Statutes, or a General Permit under Section 403.9327, Florida Statutes, an Alteration or Trimming Permit under Section 403.9328, Florida Statutes, must be obtained prior to conducting the proposed activities.

****** Applications for activities authorized under S. 403.9328 are subject to review under Ss. 373.414(1) & (8), F.S.

****** Applicants for an Individual Permit to Alter or Trim Mangroves must provide sufficient information to enable the Department to determine the scope and impacts of the proposed project [S. 403.9328(2)(a), F.S.].

1. The proposed activities involve mangrove (check the appropriate box): ☒ Alteration ☐ Trimming
2. How many mangroves are to be altered or trimmed? ☐ 1-19 ☒ 20 or more
3. Is the proposed alteration or trimming part of a dredge and fill project that is exempt under Section 403.813, Florida Statutes, or permitted under Part IV of Chapter 373, Florida Statutes? ☐ Yes ☒ No
4. The purpose of the project is to provide (check appropriate box): ☒ View ☐ Access ☐ Other (explain)

To improve use of Grand Harbor Golf Course and view of the Indian River Lagoon.

5. Are the mangroves proposed to be trimmed located within a conservation easement or an area that has been created, enhanced, restored or preserved as mitigation for a dredge & fill permit, MSSW permit, or an Environmental Resource Permit? ☒ Yes ☐ No
If yes, attach a copy of the conservation easement and/or the permit.
6. Provide the name and contact for the entity (entities) who is (are) riparian to the mangroves to be affected. [Riparian ownership implies ownership waterward to the mean high water line.]
7. Please describe the alteration or trimming techniques to be used (attach additional sheets if necessary):

- a. How will the mangroves be altered or trimmed?

Please see description in cover letter for this application.

- b. Who will perform the alteration or trimming?

The applicant anticipates bidding the project to multiple professional mangrove trimmers.

- c. How will the cut mangrove material be removed, and where will the cut material be disposed?

The cut mangrove will be carried to the contractor's hauling truck by contractor staff and disposed at the Indian River County Landfill vegetative waste facility or other County solid waste facility.

8. Please describe any additional alteration or trimming details (attach an additional sheet if necessary).

Please see description in cover letter for this application.

SECTION 7 / CERTIFICATION

Application is hereby made for a permit or permits to authorize the activities described herein.

1. I hereby certify that: (please check the appropriate box)

I am the record owner ☒, lessee ☐, or the record easement holder ☐ of the property described in Section 3 of this application.

I am not ☐ the record owner, lessee, or record easement holder of the property described in Section 3 of this application.

2. I understand I may be required to provide additional information/data necessary to demonstrate reasonable assurance or evidence that the proposed activities will comply with the applicable State Water Quality Standards and other environmental standards.
3. I agree to provide entry to the project site for inspectors with proper identification or documents as required by law from the environmental agencies for the purpose of inspecting the site. Further, I agree to provide entry to the project site for such inspectors to monitor permitted work if a permit is granted.
4. I am familiar with the information contained in this application and that to the best of my knowledge and belief, such information is true, complete and accurate. I further certify that I possess the authority to undertake the proposed activities or am acting as the duly authorized agent of the applicant. I understand that knowingly making any false statement or representation in this application is a violation of Section 403.161, Florida Statutes, and Chapter 837, Florida Statutes.

GHCAC/O Joe Colasuonno

Printed/Typed Name of Applicant or Agent

Signature of Applicant or Agent

Date

Corporate Title if Applicable

An Agent May Sign Above If Applicant Completes The Following

I hereby designate and authorize the agent listed above to act on my behalf as my agent in the processing of this permit application and to furnish, on request, supplemental information in support of the application.

Printed/Typed Name of Applicant

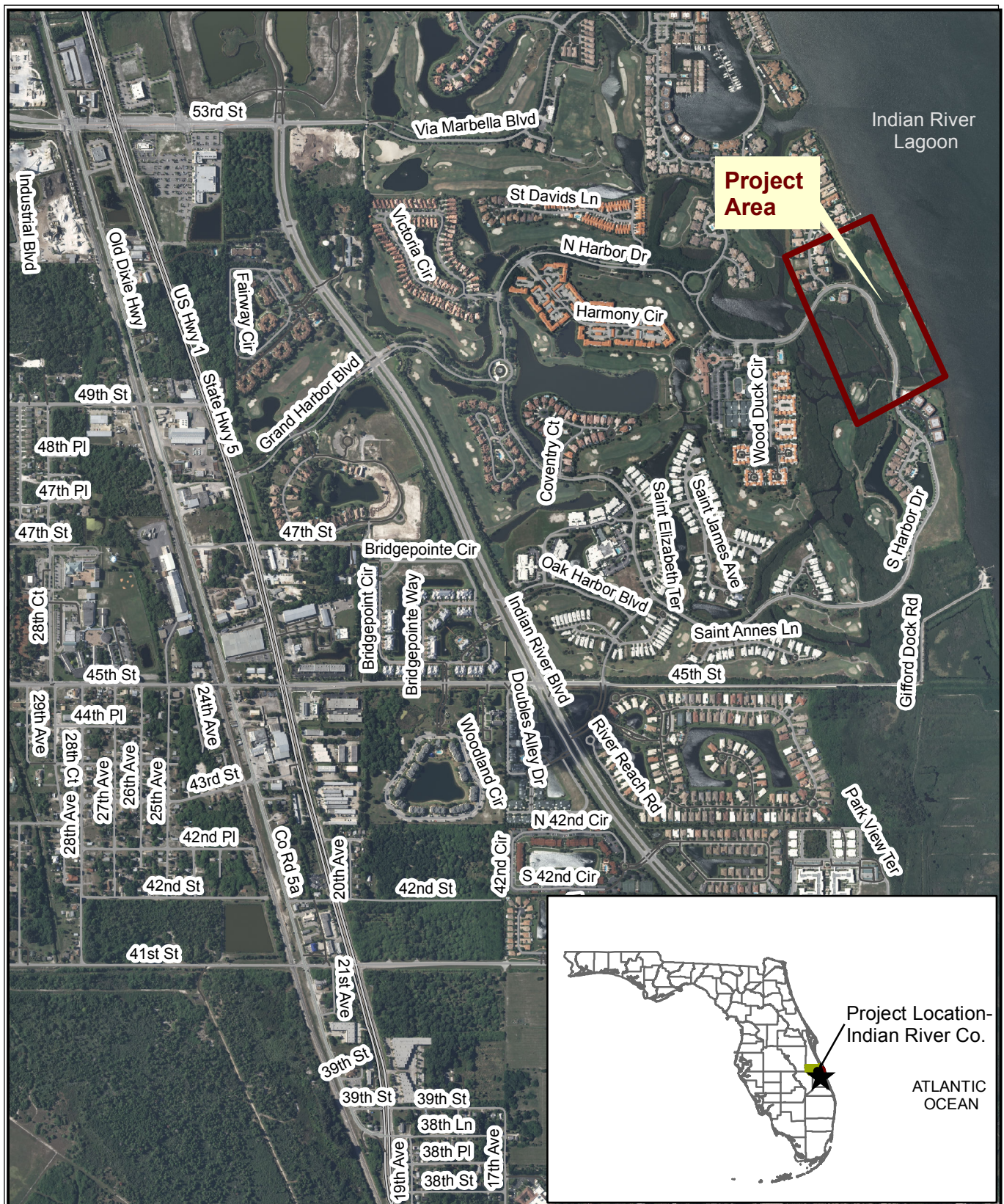
Signature of Applicant

Date

**** Please submit this completed form, with attached drawings and other necessary information along with a check in the amount of the appropriate DEP processing fee (as determined in Section 2, page 2). Make the check payable to the "Florida Department of Environmental Protection" and send to the local DEP office with jurisdiction over the project site.**

Attachment 2

Figure 1 – Project Location Map



**Figure 1- Project Location
Grand Harbor Community**



COASTAL TECH



Attachment 3

Figure 2 – Cutting Areas Map



REVISIONS	BY



COASTAL • ENVIRONMENTAL • CIVIL • ENGINEERING AND PLANNING
Certificate of Authorization Number: 00041156
3625 20th Street, Vero Beach, FL 32980 (772) 562-5590

Plan View - Construction Cost

Mangrove Trimming Figure
Grand Harbor
Indian River County, Florida

ENGINEER
CTF
CHECKED
MPW
DRAWN
AQN
DATE
08/29/2018
PROJECT NO.
2017C.006

1

OF 1 SHEETS

Attachment 4

Applicant Information FromSunbiz.org



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Detail By Document Number](#) /

Detail by Entity Name

Florida Not For Profit Corporation

GRAND HARBOR COMMUNITY ASSOCIATION, INC.

Filing Information

Document Number	N19629
FEI/EIN Number	65-0028383
Date Filed	03/11/1987
State	FL
Status	ACTIVE
Last Event	AMENDMENT
Event Date Filed	12/08/1992
Event Effective Date	NONE

Principal Address

2231 FALLS CIRCLE
VERO BEACH, FL 32967

Changed: 04/16/2015

Mailing Address

2231 FALLS CIRCLE
VERO BEACH, FL 32967

Changed: 04/16/2015

Registered Agent Name & Address

Colasuonno, Joe
2231 FALLS CIRCLE
VERO BEACH, FL 32967

Name Changed: 04/19/2018

Address Changed: 09/30/2015

Officer/Director Detail

Name & Address

Title DPMG

Colasuonno, Joe
2231 FALLS CIRCLE
VERO BEACH, FL 32967

Title DV

Gostomski, Michael
2231 FALLS CIRCLE
VERO BEACH, FL 32967

Title STD

Bahadur, Danica
2231 FALLS CIRCLE
VERO BEACH, FL 32967

Annual Reports

Report Year	Filed Date
2017	02/23/2017
2017	04/21/2017
2018	04/19/2018

Document Images

04/19/2018 -- ANNUAL REPORT	View image in PDF format
04/21/2017 -- AMENDED ANNUAL REPORT	View image in PDF format
02/23/2017 -- ANNUAL REPORT	View image in PDF format
04/20/2016 -- ANNUAL REPORT	View image in PDF format
09/30/2015 -- AMENDED ANNUAL REPORT	View image in PDF format
02/25/2015 -- ANNUAL REPORT	View image in PDF format
04/16/2014 -- ANNUAL REPORT	View image in PDF format
08/26/2013 -- AMENDED ANNUAL REPORT	View image in PDF format
04/19/2013 -- ANNUAL REPORT	View image in PDF format
04/18/2012 -- ANNUAL REPORT	View image in PDF format
04/28/2011 -- ANNUAL REPORT	View image in PDF format
03/30/2010 -- ANNUAL REPORT	View image in PDF format
04/21/2009 -- ANNUAL REPORT	View image in PDF format
03/27/2009 -- ANNUAL REPORT	View image in PDF format
04/28/2008 -- ANNUAL REPORT	View image in PDF format
04/20/2007 -- ANNUAL REPORT	View image in PDF format
04/28/2006 -- ANNUAL REPORT	View image in PDF format
04/15/2005 -- ANNUAL REPORT	View image in PDF format
04/29/2004 -- ANNUAL REPORT	View image in PDF format
05/02/2003 -- ANNUAL REPORT	View image in PDF format
04/29/2002 -- ANNUAL REPORT	View image in PDF format
05/04/2001 -- ANNUAL REPORT	View image in PDF format
04/24/2000 -- ANNUAL REPORT	View image in PDF format
04/20/1999 -- ANNUAL REPORT	View image in PDF format
05/19/1998 -- ANNUAL REPORT	View image in PDF format
05/13/1997 -- ANNUAL REPORT	View image in PDF format
04/16/1996 -- ANNUAL REPORT	View image in PDF format
05/01/1995 -- ANNUAL REPORT	View image in PDF format

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Florida Department of State, Division of Corporations

Attachment 5

Conservation Easement

109.50 Re. Fee

THIS INSTRUMENT PREPARED BY:
 Bruce Barkett, Esq.
 Collins, Brown & Caldwell - Chartered
 744 Beachland Blvd.
 Vero Beach, FL 32963

CONSERVATION EASEMENT

This grant of Conservation Easement is made this 9th day of DECEMBER, 1991, by and between GHA GRAND HARBOR, LTD., a Florida limited partnership, (hereinafter referred to as "Grantor"), and the STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (hereinafter referred to as "Grantee").

W I T N E S S E T H

IN CONSIDERATION of the issuance of State of Florida Department of Environmental Regulation Permit Number 311043029, Grantor does hereby grant to Grantee, its successor and assigns, a Conservation Easement in accordance with Section 704.06, Florida Statutes (1987), over and across the real property which is more particularly described in Exhibit "A", attached hereto and incorporated herein (which said real property shall hereinafter be referred to as the "Conservation Area") on the terms and conditions hereinafter set forth:

1. Purpose and Intent: It is the purpose and intent of this Conservation Easement to assure that the Conservation Area be retained and maintained forever predominantly in the natural vegetative and hydrologic condition existing at the time of execution hereof.

2. Prohibited Activities: Except for such activities as are necessary for Grantor to meet its responsibilities under DER Permit Number 311043029 and except for any rights accorded Grantor under said DER permit or reserved to Grantor under the terms of this Easement, the following activities are prohibited in the Conservation Area.

a. Construction or placing of buildings, roads, signs, billboards or other advertising, utilities, or other structures on or above the ground or unauthorized use of the golf cart paths for vehicles or construction equipment;

b. Dumping or placing of soil or other substances or

RETURN TO: COLLINS, BROWN, CALDWELL
 P.O. BOX 3686
 VERO BEACH, FL 32964

724070

92 FEB -3 PM 3:47

RECORD VERIFIED
 JEFFREY K. BARTON
 CLERK CIRCUIT COURT
 INDIAN RIVER CO., FLA

OR0922PG2192

material as landfill, or dumping or placing of trash, waste, or unsightly or offensive materials;

c. Removal or destruction of trees, shrubs, or other vegetation; with the exception of nuisance and exotic plant species;

d. Excavation, dredging, or removal of loam, peat, gravel, soil, rock or other material substance in such manner as to affect the surface;

e. Surface use except for purposes that permit the land or water area to remain predominantly in its natural condition;

f. Activities detrimental to drainage, flood control, water conservation, erosion control, soil conservation, or fish and wildlife habitat preservation;

g. Acts or uses detrimental to such aforementioned retention and maintenance of land or water areas; and

h. Acts or uses detrimental to the preservation of any features or aspects of the property having historical, archaeological or cultural significance.

3. Maintenance of Conservation Area: Grantor shall have the right to maintain the Conservation Areas as provided in DER Permit Number 311043029.

In addition, this Conservation Easement shall not preclude such activities as are necessary to comply with that certain "Agreement re Maintenance - River Harbor Estuary System", between River Harbor, Inc., River Harbor Property Owners' Association, Inc., and Indian River County, which Agreement was required under the terms of the Development Order entered by Indian River County on October 23, being Resolution 85-128, and which has been assigned to GHA Grand Harbor, Ltd., as approved by Indian River County Resolution 91-87.

This agreement shall not preclude the maintenance of the wooden bridges within the conservation easement, provided that such maintenance activities are carried out from the bridge structure and result in no traffic or impact to the underlying marsh.

4. Mangrove Trimming: The Grantor is prohibited from any cutting of mangrove or portion of mangroves except with the express

DR0922PC2193

written consent of Grantee and acquisition of a valid permit issued according to Florida Administrative Code Rule 17-321, if required.

5. Mosquito Control: It is recognized that Grantor proposes to utilize open marsh water management in the estuarine system for control of mosquitoes. It may be necessary to construct rotary ditches or shallow ponds in the wetlands in order to help control mosquito breeding. This instrument does not preclude such activities; however, a modification of the above-referenced DER permit will be required prior to any such activities taking place.

6. Grantee's Remedies: In the event of violation of any covenant contained in this Conservation Easement, Grantee shall be entitled to pursue all available legal and equitable remedies, including injunctive relief.

7. Access to Conservation Area: It is understood that the granting of this Conservation Easement entitles the Grantee or its authorized representatives to enter the above-described land in a reasonable manner and at reasonable times to assure compliance.

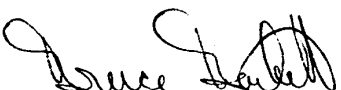
The Conservation Easement hereby granted shall run with the land and shall be binding upon Grantor and its successors and assigns and inure to the benefit of Grantee and its successors and assigns.

IN WITNESS WHEREOF, the undersigned execute this grant of Conservation Easement on the day and date first above written.

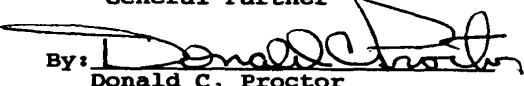
Signed, sealed and delivered
in the presence of:

GHA GRAND HARBOR, LTD., a
Florida limited partnership

By: GHA Grand Harbor, Inc., a
Florida corporation,
General Partner


Print: Bruce Barkett

Print: Brenda L. Horne

By: 
Donald C. Proctor
President
2121 Grand Harbor Boulevard
Vero Beach, Florida 32967

STATE OF FLORIDA
COUNTY OF INDIAN RIVER

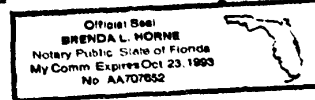
Before me personally appeared DONALD C. PROCTOR, to me well known and known to me to be the person described in and who executed the foregoing instrument, and acknowledged to and before me that he executed said instrument for the purposes therein expressed.

OR0922Pg2194

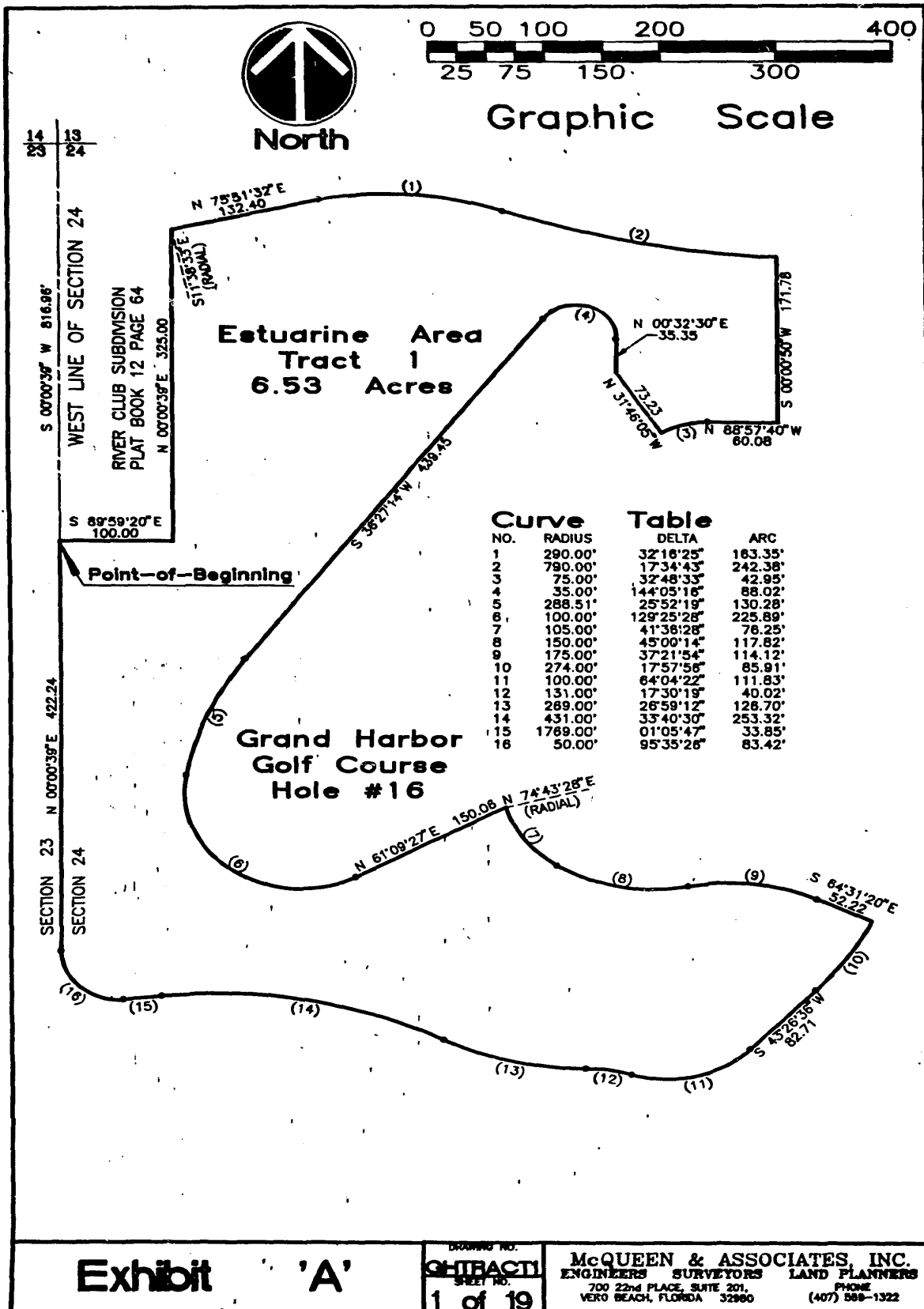
WITNESS my hand and official seal, this 9th day of
December, 1991.

Brenda L. Horne
NOTARY PUBLIC
Typed name of notary public:
Brenda L. Horne
Address: 744 Beachland Blvd.
Vero Beach, FL 32963

My Commission expires:



0R0922Pg2195



080922Pg2196

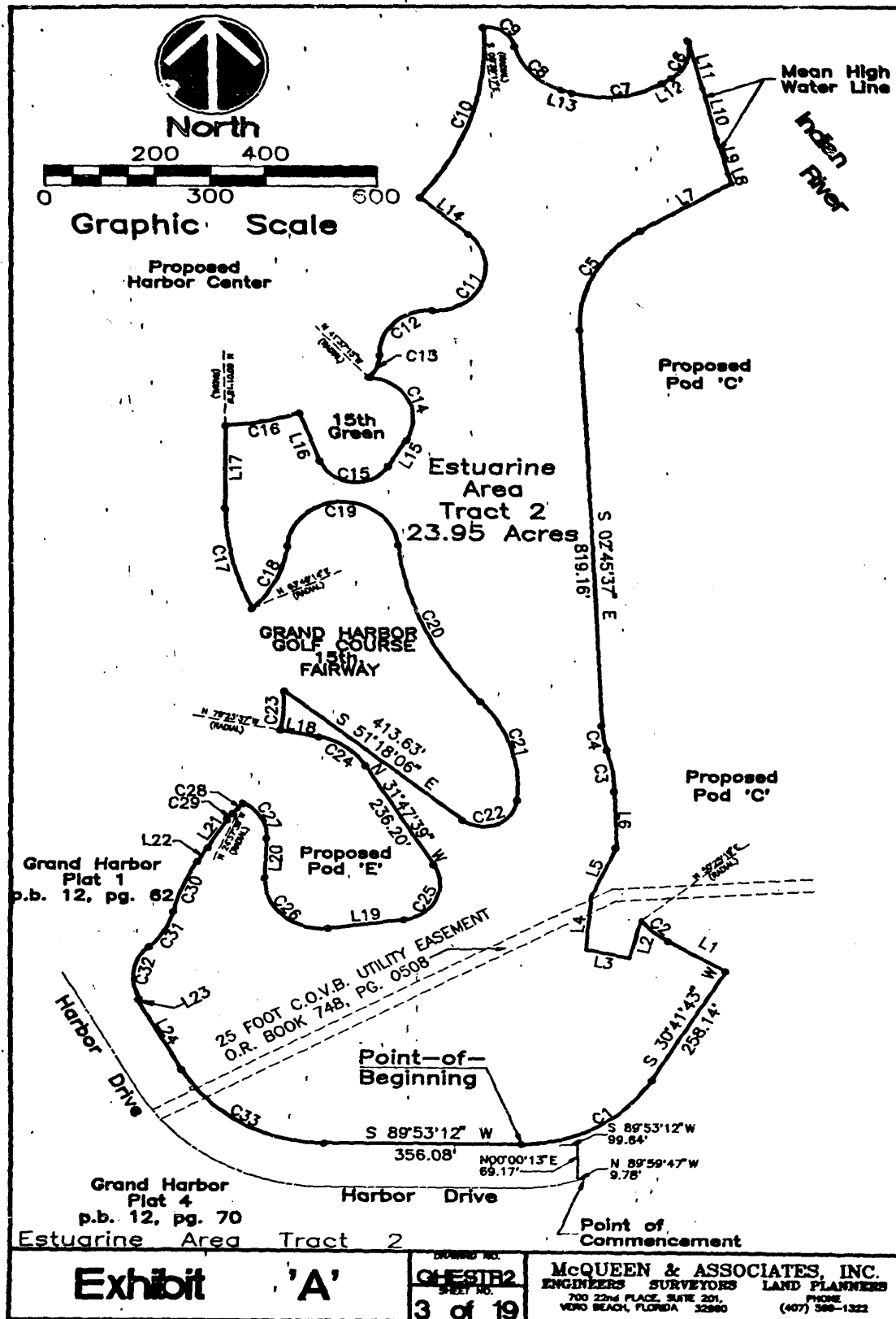
A PARCEL OF LAND LYING AND BEING IN SECTION 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE NORTHWEST CORNER OF AFORESAID SECTION 24, THENCE S 00 00'39" W ALONG THE WEST LINE OF SECTION 24, 816.96 FEET TO THE POINT OF BEGINNING; THENCE S 89 59'20" E, 100.00 FEET; THENCE N 00 00'39" E, 325.00 FEET; THENCE N 75 51'33" E, 132.40 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE SOUTH, THE RADIUS OF WHICH LIES S 11 38'33" E, 290.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 32 16'25" AN ARC LENGTH OF 163.35 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 790.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 17 34'43" AN ARC LENGTH OF 242.38 FEET; THENCE S 00 00'39" W, 171.78 FEET; THENCE N 88 57'40" W, 60.08 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 75.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 32 48'33" AN ARC LENGTH OF 42.95 FEET; THENCE N 31 46'05" W, 73.23 FEET; THENCE N 00 32'30" E, 35.35 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 35.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 144 05'16" AN ARC LENGTH OF 88.02 FEET; THENCE S 36 27'14" W, 439.45 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 288.51 FEET, THENCE THROUGH A CENTRAL ANGLE OF 25 52'19" AN ARC LENGTH OF 130.28 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 100.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 129 25'28" AN ARC LENGTH OF 225.89 FEET; THENCE N 61 09'27" E 150.06 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHEAST, THE RADIUS OF WHICH LIES N 74 43'28" E, 105.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 41 36'28" AN ARC LENGTH OF 76.25 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 150.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 45 00'14" AN ARC LENGTH OF 117.82 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 175.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 37 21'54" AN ARC LENGTH OF 114.12 FEET; THENCE S 64 31'20" E, 52.22 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, THE RADIUS OF WHICH LIES N 64 31'20" W, 274.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 17 57'56" AN ARC LENGTH OF 85.91 FEET; THENCE S 43 26'36" W, 82.71 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 100.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 64 04'22" AN ARC LENGTH OF 111.83 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 131.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 17 30'19" AN ARC LENGTH OF 40.02 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 269.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 26 59'12" AN ARC LENGTH OF 126.70 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 431.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 33 40'30" AN ARC LENGTH OF 253.32 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 1769.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 01 05'47" AN ARC LENGTH OF 33.85 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE NORTHEAST HAVING A RADIUS OF 50.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 95 35'26" AN ARC LENGTH OF 83.42 FEET; THENCE N 00 00'39" E ALONG THE WEST LINE OF SECTION 24, 422.24 FEET TO THE POINT OF BEGINNING. CONTAINING 6.53 ACRES, MORE OR LESS, AND SUBJECT TO ALL EASEMENTS OF RECORD.

Exhibit**'A'**

DRAWING NO.
TRACT
SHEET NO.
2 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS
700 22nd PLACE, SUITE 201, VERO BEACH, FLORIDA 32980
PHONE (407) 566-1322

L6129F226080



080922Pg2198

Line Table

LINE	DIRECTION	DISTANCE
L1	S 59°18'17" E	119.79'
L2	N 15°00'35" E	79.12'
L3	S 77°20'05" E	80.97'
L4	S 05°13'45" W	110.25'
L5	S 24°51'00" W	109.14'
L6	S 01°53'45" E	113.83'
L7	S 58°53'02" W	189.73'
L8	S 18°57'49" E	19.42'
L9	S 15°31'54" E	76.24'
L10	S 13°38'12" E	106.16'
L11	S 14°44'02" E	100.50'
L12	N 57°11'10" E	19.90'
L13	S 71°53'10" E	20.33'
L14	N 49°20'32" W	115.00'
L15	N 30°58'27" E	63.43'
L16	S 20°41'13" E	104.67'
L17	N 00°00'39" E	170.88'
L18	N 79°23'37" W	69.48'
L19	N 82°15'30" E	137.58'
L20	S 02°25'14" W	80.97'
L21	N 32°02'31" E	68.30'
L22	N 32°02'31" E	33.54'
L23	N 60°06'06" E	5.00'
L24	N 29°53'54" W	161.11'

Curve Table

CURVE	RADIUS	LENGTH	DELTA
C1	269.91'	278.84'	59°11'28"
C2	185.00'	63.69'	19°43'36"
C3	320.00'	84.42'	15°06'56"
C4	200.00'	49.75'	14°15'04"
C5	226.13'	243.27'	61°38'23"
C6	69.27'	86.95'	71°55'12"
C7	190.00'	168.88'	50°55'40"
C8	126.83'	127.30'	57°30'37"
C9	51.35'	72.84'	81°16'43"
C10	485.00'	377.33'	44°34'34"
C11	90.00'	224.86'	143°08'51"
C12	90.00'	150.51'	95°49'04"
C13	60.00'	52.77'	50°23'30"
C14	85.81'	176.09'	117°34'44"
C15	68.74'	153.97'	128°20'20"
C16	400.00'	135.35'	19°23'13"
C17	466.00'	213.42'	26°14'25"
C18	202.96'	147.16'	41°32'38"
C19	100.00'	293.69'	168°16'14"
C20	570.06'	361.90'	36°22'28"
C21	251.21'	215.62'	49°10'46"
C22	60.00'	128.19'	122°24'43"
C23	334.00'	80.21'	13°45'35"
C24	125.00'	103.85'	47°35'58"
C25	75.00'	149.29'	114°03'09"
C26	100.00'	174.82'	100°09'44"
C27	75.00'	88.74'	67°47'35"
C28	334.00'	27.64'	04°44'31"
C29	79.98'	15.92'	11°24'05"
C30	350.00'	113.16'	18°31'30"
C31	139.00'	85.03'	35°02'53"
C32	86.00'	117.77'	78°27'47"
C33	296.13'	311.22'	60°12'55"

Estuarine Area Tract 2

Exhibit 'A'

DRAWING NO.

QHESTR2

SHEET NO.

4 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS

700 22nd PLACE, SUITE 201,
VERO BEACH, FLORIDA 32900

PHONE
(407) 580-1322

66129d226080

**GRAND HARBOR
ESTUARINE AREA TRACT 2
LEGAL DESCRIPTION**

A PARCEL OF LAND LYING IN SECTIONS 23 AND 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF GRAND HARBOR PLAT 4, AS RECORDED IN PLATBOOK 12, PAGE 70 OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA, SAID CORNER ALSO BEING THE MOST EASTERLY POINT OF HARBOR DRIVE AS SHOWN ON THE PLAT OF GRAND HARBOR - PLAT 1, AS RECORDED IN PLATBOOK 12, PAGE 62 OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA;

THENCE N 89°59'47"W, 9.78 FEET, ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1;
THENCE N 00°00'13"E, 69.17 FEET, ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1;
THENCE S 89°53'12"W, 99.64 FEET, ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1, TO THE POINT-OF-BEGINNING.

THENCE S 89°53'12"W, 356.08 FEET, ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1;
THENCE 311.22 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHEAST, WITH A RADIUS OF 296.13 FEET, THROUGH A CENTRAL ANGLE OF 60°12'53", ALONG THE BOUNDARY OF SAID GRAND HARBOR PLAT 1;
THENCE N 29°53'54"W, 161.11 FEET, ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1;
THENCE N 60°06'08"E, 5.00 FEET, ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1;
THENCE 117.77 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE EAST, WITH A RADIUS OF 86.00 FEET, THROUGH A CENTRAL ANGLE OF 78°27'47", ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1;
THENCE 85.03 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHWEST, WITH A RADIUS OF 139.00 FEET, THROUGH A CENTRAL ANGLE OF 35°02'53", ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1;
THENCE 113.18 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE SOUTHEAST, WITH A RADIUS OF 350.00 FEET, THROUGH A CENTRAL ANGLE OF 18°31'30", ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1;
THENCE N 32°02'31"E, 33.54 FEET, ALONG THE BOUNDARY OF SAID GRAND HARBOR - PLAT 1;
THENCE LEAVING SAID BOUNDARY, N 32°02'31"E, 68.30 FEET;
THENCE 15.92 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE SOUTHEAST, WITH A RADIUS OF 79.98 FEET, THROUGH A CENTRAL ANGLE OF 11°24'05";
THENCE 27.64 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHWEST, WITH A RADIUS OF 334.00 FEET, THROUGH A CENTRAL ANGLE OF 04°44'31";
THENCE 88.74 FEET ALONG THE ARC OF A NON-RADIAL CURVE, THE RADIUS OF WHICH BEARS S 24°37'39"W 75.00 FEET, THROUGH A CENTRAL ANGLE OF 67°47'35";
THENCE S 02°25'14"W, 80.97 FEET;
THENCE 174.82 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHEAST, WITH A RADIUS OF 100.00 FEET, THROUGH A CENTRAL ANGLE OF 100°09'44";
THENCE N 82°15'30"E, 137.58 FEET;
THENCE 149.29 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE WEST, WITH A RADIUS OF 75.00 FEET, THROUGH A CENTRAL ANGLE OF 114°03'09";
THENCE N 31°47'39"W, 236.20 FEET;
THENCE 103.85 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE SOUTHWEST, WITH A RADIUS OF 125.00 FEET, THROUGH A CENTRAL ANGLE OF 47°35'58";
THENCE N 79°23'37"W, 69.48 FEET;
THENCE 80.21 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE WEST, THE RADIUS OF WHICH BEARS N 79°23'37"W, 334.00 FEET, THROUGH A CENTRAL ANGLE OF 13°45'35";
THENCE S 51°18'06"E, 413.63 FEET;
THENCE 128.19 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHWEST, WITH A RADIUS OF 60.00 FEET, THROUGH A CENTRAL ANGLE OF 122°24'43";
THENCE 215.62 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE SOUTHWEST, WITH A RADIUS OF 251.21 FEET, THROUGH A CENTRAL ANGLE OF 49°10'46";
THENCE 361.90 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE NORTHEAST, WITH A RADIUS OF 570.06 FEET, THROUGH A CENTRAL ANGLE OF 36°22'28"; THENCE 293.89 FEET ALONG THE ARC OF A CURVE CONCAVE TO THE SOUTH, WITH A RADIUS

Estuarine Area Tract 2

cont.

Exhibit

'A'

DRAWING NO.
QHESTR2
SHEET NO.
5 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS
700 22ND PLACE, SUITE 201,
VERO BEACH, FLORIDA 32960
PHONE
(407) 566-1322

00229d226080

OF 100.00 FEET, THROUGH A CENTRAL ANGLE OF 168°16'14";
 THENCE 147.16 FEET ALONG THE ARC OF A CURVE CONCAVE TO
 THE NORTHWEST, WITH A RADIUS OF 202.96 FEET, THROUGH A
 CENTRAL ANGLE OF 41°32'38";
 THENCE 213.42 FEET ALONG THE ARC OF A NON-RADIAL CURVE
 CONCAVE TO THE NORTHEAST, THE RADIUS OF WHICH BEARS
 N 63°46'14"E, 466.00 FEET, THROUGH A CENTRAL ANGLE OF
 26°14'25";
 THENCE N 30°00'39"E, 170.88 FEET;
 THENCE 135.35 FEET ALONG THE ARC OF A NON-RADIAL
 CURVE CONCAVE TO THE NORTHWEST, THE RADIUS OF WHICH
 BEARS N 01°18'00"W, 400.00 FEET, THROUGH A CENTRAL
 ANGLE OF 19°23'13";
 THENCE S 20°41'13"E, 104.67 FEET;
 THENCE 153.97 FEET ALONG THE ARC OF A CURVE
 CONCAVE TO THE NORTH, WITH A RADIUS OF 68.74 FEET,
 THROUGH A CENTRAL ANGLE OF 128°20'20";
 THENCE N 30°58'27"E, 63.43 FEET;
 THENCE 176.09 FEET ALONG THE ARC OF A CURVE CONCAVE TO
 THE SOUTHWEST, WITH A RADIUS OF 85.81 FEET, THROUGH A
 CENTRAL ANGLE OF 117°34'44";
 THENCE 52.77 FEET ALONG THE ARC OF A NON-RADIAL
 CURVE CONCAVE TO THE WEST, THE RADIUS OF WHICH BEARS
 N 41°37'15"W, 60.00 FEET, THROUGH A CENTRAL ANGLE OF
 50°23'30";
 THENCE 190.51 FEET ALONG THE ARC OF A CURVE
 CONCAVE TO THE SOUTHEAST, WITH A RADIUS OF 90.00
 FEET, THROUGH A CENTRAL ANGLE OF 95°49'04";
 THENCE 224.86 FEET ALONG THE ARC OF A CURVE
 CONCAVE TO THE WEST, WITH A RADIUS OF 90.00
 FEET, THROUGH A CENTRAL ANGLE OF 143°08'51";
 THENCE N 49°20'32"W, 115.00 FEET;
 THENCE 377.33 FEET ALONG THE ARC OF A CURVE
 CONCAVE TO THE NORTHWEST, WITH A RADIUS OF
 485.00 FEET, THROUGH A CENTRAL ANGLE OF 44°34'34";
 THENCE 72.84 FEET ALONG THE ARC OF A NON-RADIAL
 CURVE CONCAVE TO THE SOUTHWEST, THE RADIUS OF WHICH
 BEARS S 05°39'17"E, 51.35 FEET, THROUGH A
 CENTRAL ANGLE OF 81°16'43";
 THENCE 127.30 FEET ALONG THE ARC OF A CURVE
 CONCAVE TO THE NORTHEAST, WITH A RADIUS OF 126.83 FEET,
 THROUGH A CENTRAL ANGLE OF 57°30'37";
 THENCE S 71°53'10"E, 20.33 FEET;
 THENCE 168.88 FEET ALONG THE ARC OF A CURVE
 CONCAVE TO THE NORTH, WITH A RADIUS OF 190.00 FEET,
 THROUGH A CENTRAL ANGLE OF 50°55'40";
 THENCE N 57°11'10"E, 19.90 FEET;
 THENCE 86.95 FEET ALONG THE ARC OF A CURVE CONCAVE
 TO THE NORTHWEST, WITH A RADIUS OF 69.27 FEET, THROUGH
 A CENTRAL ANGLE OF 71°55'12", TO A POINT ON THE MEAN
 HIGH WATER LINE OF THE INDIAN RIVER AS ESTABLISHED BY
 BEINDORF AND ASSOCIATES, UNDER D.N.R. APPROVED
 PROCEDURES ON APRIL 30, 1985;
 THENCE ALONG SAID MEAN HIGH WATER LINE,
 S 14°44'02"E, 100.50 FEET;
 THENCE ALONG SAID MEAN HIGH WATER LINE,
 S 13°38'12"E, 108.16 FEET;
 THENCE ALONG SAID MEAN HIGH WATER LINE,
 S 15°31'54"E, 76.24 FEET;
 THENCE ALONG SAID MEAN HIGH WATER LINE,
 S 18°57'49"E, 19.42 FEET;
 THENCE S 58°53'02"W, 189.73 FEET;
 THENCE 243.27 FEET ALONG THE ARC OF A CURVE CONCAVE TO
 THE SOUTHEAST, WITH A RADIUS OF 226.13 FEET, THROUGH A
 CENTRAL ANGLE OF 61°38'23";
 THENCE S 02°45'37"E, 819.16 FEET;
 THENCE 49.75 FEET ALONG THE ARC OF A CURVE CONCAVE
 TO THE EAST, WITH A RADIUS OF 200.00 FEET, THROUGH
 A CENTRAL ANGLE OF 14°15'04";
 THENCE 84.42 FEET ALONG THE ARC OF A CURVE CONCAVE TO
 THE WEST, WITH A RADIUS OF 320.00 FEET, THROUGH
 A CENTRAL ANGLE OF 15°06'56";
 THENCE S 01°53'45"E, 113.83 FEET;
 THENCE S 24°51'00"W, 109.14 FEET;
 THENCE S 05°13'45"W, 110.25 FEET;
 THENCE S 77°20'05"E, 80.97 FEET;
 THENCE N 15°00'35"E, 79.12 FEET;
 THENCE 63.69 FEET ALONG THE ARC OF A NON-RADIAL CURVE
 CONCAVE TO THE NORTHWEST, THE RADIUS OF WHICH BEARS

cont.

Estuarine Area Tract 2

Exhibit

'A'

 DRAWING NO.
CHESTR2
 SHEET NO.
6 of 19
McQUEEN & ASSOCIATES, INC.
 ENGINEERS SURVEYORS LAND PLANNERS
 700 22nd PLACE, SUITE 201,
 VERO BEACH, FLORIDA 32980
 PHONE
 (407) 586-1322

10229d226080

N 50°25'19"E, 185.00 FEET, THROUGH A CENTRAL ANGLE OF
 19°43'36";
 THENCE S 59°18'17"E, 119.79 FEET;
 THENCE S 30°41'43"W, 258.14 FEET;
 THENCE 278.84 FEET ALONG THE ARC OF A CURVE
 CONCAVE TO THE NORTHWEST, WITH A RADIUS OF 269.91
 FEET, THROUGH A CENTRAL ANGLE OF 59°11'28", TO THE
 POINT OF BEGINNING.

SAID PARCEL CONTAINING 23.95 ACRES MORE OR LESS, AND
 BEING SUBJECT TO EASEMENTS, RESTRICTIONS, AND RESERVATIONS
 OF RECORD.

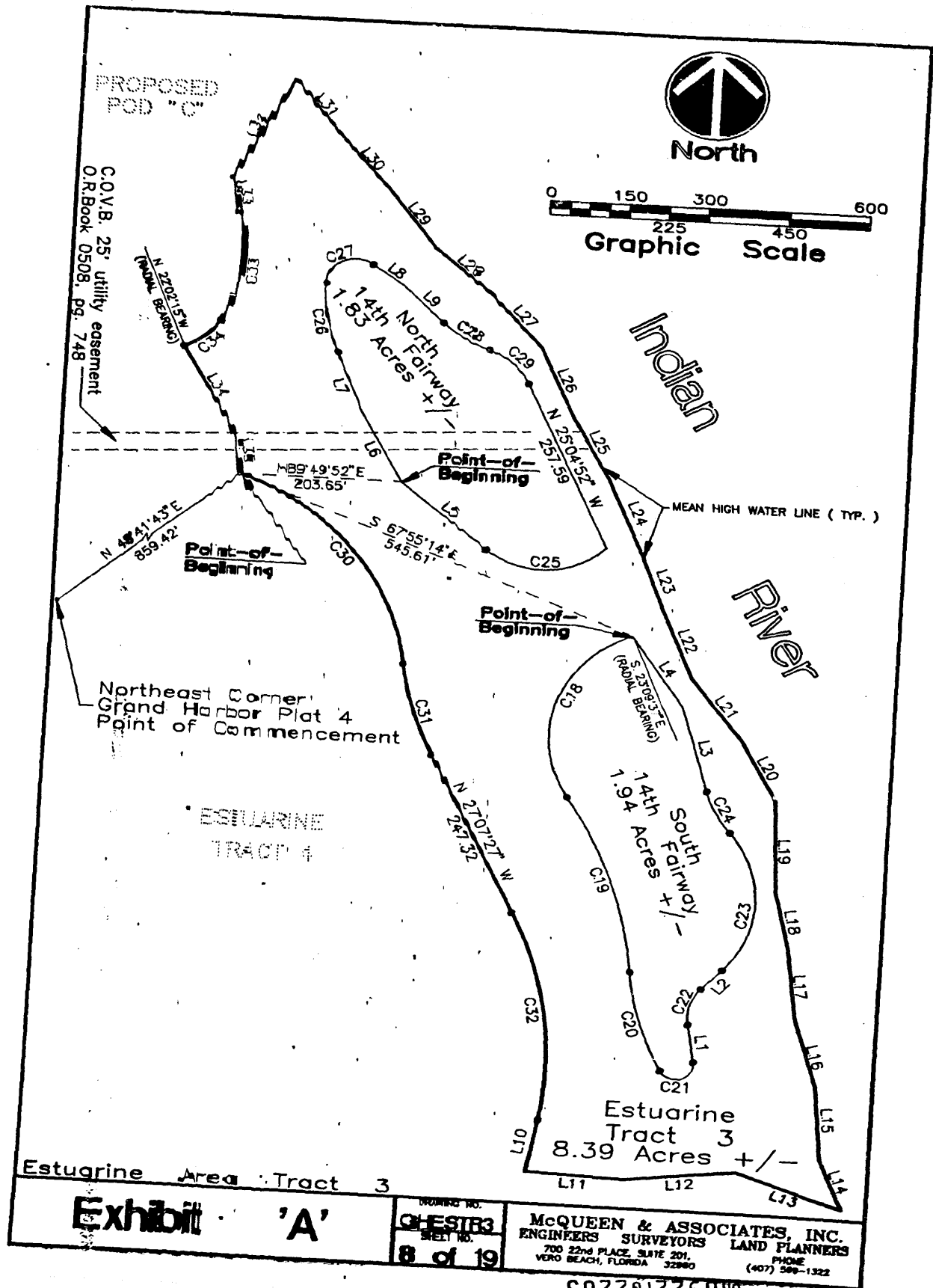
Estuarine Area Tract 2

Exhibit 'A'

DRAWING NO.
QUESTB2
 SHEET NO.
7 of 19

McQUEEN & ASSOCIATES, INC.
 ENGINEERS SURVEYORS LAND PLANNERS
 700 22nd PLACE, SUITE 201, VERO BEACH, FLORIDA 32980
 PHONE (407) 566-1322

080922Pg2202



Line Table

LINE	DIRECTION	DISTANCE
L1	S 10°20'04" E	54.05
L2	S 39°38'04" W	38.45
L3	S 16°48'00" E	126.40
L4	S 34°58'08" E	118.67
L5	S 50°50'39" E	145.17
L6	S 29°02'59" E	106.89
L7	S 22°27'47" E	99.86
L8	N 54°55'41" W	50.42
L9	N 46°20'19" W	73.55
L10	N 08°39'31" E	75.31
L11	N 88°05'24" W	124.03
L12	S 82°13'06" W	139.12
L13	N 70°05'29" W	141.37
L14	S 22°55'59" E	80.96
L15	S 05°55'04" E	101.86
L16	S 18°00'05" E	97.79
L17	S 07°35'23" E	106.80
L18	S 13°19'59" E	82.14
L19	S 02°51'55" E	129.37
L20	S 29°03'56" E	97.10
L21	S 37°07'58" E	108.09
L22	S 22°45'02" E	100.13
L23	S 21°40'46" E	89.16
L24	S 23°49'02" E	115.77
L25	S 28°48'51" E	104.01
L26	S 24°08'02" E	104.67
L27	S 42°07'06" E	104.58
L28	S 49°22'27" E	93.12
L29	S 37°40'21" E	108.56
L30	S 40°30'16" E	92.52
L31	S 38°05'50" E	101.00
L32	N 26°19'36" E	166.33
L33	N 14°41'05" W	51.81
L34	N 29°16'45" W	136.14
L35	N 11°50'42" W	66.05

Curve Table

CURVE	RADIUS	LENGTH	DELTA
C18	159.94	281.28	100°45'51"
C19	559.08	266.35	27°17'46"
C20	378.89	148.42	22°26'36"
C21	22.00	61.92	161°15'45"
C22	64.38	56.15	49°58'08"
C23	155.00	215.60	79°41'49"
C24	161.44	65.55	23°15'45"
C25	110.00	165.98	86°27'07"
C26	257.56	101.88	22°39'50"
C27	37.00	80.64	124°52'16"
C28	166.89	70.07	24°03'20"
C29	90.00	71.18	45°18'47"
C30	331.00	358.79	62°06'22"
C31	434.62	137.34	18°06'20"
C32	489.66	305.81	35°46'58"
C33	221.90	162.45	41°56'40"
C34	85.00	60.38	40°42'10"

Estuarine Area Tract 3

Exhibit 'A'
 DRAWING NO.
CHESTR3
 SHEET NO.
9 of 19
McQUEEN & ASSOCIATES, INC.
 ENGINEERS SURVEYORS LAND PLANNERS
 700 22nd PLACE, SUITE 201,
 VERO BEACH, FLORIDA 32980
 PHONE
 (407) 566-1322

40229d226080

**ESTUARINE AREA TRACT 3
LEGAL DESCRIPTION**

A PARCEL OF LAND LYING AND BEING IN SECTION 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF GRAND HARBOR PLAT 4 AS RECORDED IN PLAT BOOK 12 PAGE 70 OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA, THENCE N 48 41'43" E 859.42 FEET TO THE POINT OF BEGINNING; THENCE N 11 50'42" W, 66.05 FEET; THENCE N 29 16'45" W, 136.14 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, THE RADIUS OF WHICH LIES N 22 02'15" W, 85.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 40 42'10" AN ARC LENGTH OF 60.38 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 221.90 FEET, THENCE THROUGH A CENTRAL ANGLE OF 41 56'40" AN ARC LENGTH OF 162.45 FEET; THENCE N 14 41'05" W, 51.81 FEET; THENCE N 26 19'36" E, 166.34 FEET TO INTERSECT THE MEAN HIGH WATER LINE OF THE INDIAN RIVER AS ESTABLISHED BY BEINDORF & ASSOCIATES, INC., ON APRIL 30, 1985; THENCE RUN SOUTHEASTERLY ALONG THE MEAN HIGH WATER LINE THE FOLLOWING COURSES AND DISTANCES: S 38 05'50" E, 101.00 FEET; THENCE S 40 30'16" E, 92.52 FEET; THENCE S 37 40'21" E, 108.56 FEET; THENCE S 49 22'27" E, 93.12 FEET; THENCE S 42 07'06" E, 104.58 FEET; THENCE S 24 08'02" E, 104.67 FEET; THENCE S 28 48'51" E, 104.01 FEET; THENCE S 23 49'02" E, 115.77 FEET; THENCE S 21 40'46" E, 89.16 FEET; THENCE S 22 45'02" E, 100.13 FEET; THENCE S 37 07'58" E, 108.09 FEET; THENCE S 29 03'56" E, 97.10 FEET; THENCE S 02 51'55" E, 129.37 FEET; THENCE S 13 19'59" E, 82.14 FEET; THENCE S 07 35'23" E, 106.80 FEET; THENCE S 18 00'05" E, 97.79 FEET; THENCE S 05 55'04" E, 101.86 FEET; THENCE S 22 55'59" E, 80.96 FEET; THENCE LEAVING THE MEAN HIGH WATER LINE, N 70 05'29" W, 141.37 FEET, THENCE S 82 13'06" W, 139.12 FEET; THENCE N 88 05'24" W, 124.03 FEET; THENCE N 08 39'31" E, 75.31 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 489.66 FEET, THENCE THROUGH A CENTRAL ANGLE OF 35 46'58" AN ARC LENGTH OF 305.81 FEET; THENCE N 27 07'27" W, 247.32 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE EAST, HAVING A RADIUS OF 434.62 FEET, THENCE THROUGH A CENTRAL ANGLE OF 18 06'20" AN ARC LENGTH OF 137.34 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 331.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 62 06'22" AN ARC LENGTH OF 358.79 FEET TO THE POINT OF BEGINNING. CONTAINING 12.17 ACRES, MORE OR LESS, AND SUBJECT TO ALL EASEMENTS OF RECORD.

LESS AND EXCEPT THE FOLLOWING 2 PARCELS:

**NORTH 14th FAIRWAY
LEGAL DESCRIPTION**

A PARCEL OF LAND LYING AND BEING IN SECTION 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE POINT OF BEGINNING FOR ESTUARINE TRACT 3, PROCEED N 89 49'53" E, 203.65 FEET TO THE POINT OF BEGINNING; THENCE N 29 02'59" W, 106.89 FEET; THENCE N 22 27'47" W, 99.86 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 257.56 FEET, THENCE THROUGH A CENTRAL ANGLE OF 22 39'50" AN ARC LENGTH OF 101.88 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE SOUTH, HAVING A RADIUS OF 37.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 124 52'16" AN ARC LENGTH OF 80.64 FEET; THENCE S 54 55'41" E, 50.42 FEET THENCE S 46 20'19" E, 73.55 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTHEAST, HAVING A RADIUS OF 166.89 FEET, THENCE THROUGH A CENTRAL ANGLE OF 24 03'20" AN ARC LENGTH OF 70.07 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE SOUTHWEST HAVING A RADIUS OF 90.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 45 18'47" AN ARC LENGTH OF 71.18 FEET; THENCE S 25 04'52" E, 257.59 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTH, THE RADIUS OF WHICH LIES N 47 17'46" W, 110.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 86 27'07" AN ARC LENGTH OF 165.98 FEET; THENCE N 50 50'39" W, 145.17 FEET TO THE POINT OF BEGINNING. CONTAINING 1.83 ACRES, MORE OR LESS, AND SUBJECT TO ALL EASEMENTS OF RECORD.

Estuarine Area Tract 3

Exhibit

'A'

DRAWING NO.

QUESTR3

SHEET NO.

10 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS
700 22nd PLACE, SUITE 201, VERO BEACH, FLORIDA 32980
PHONE (407) 568-1322

080229226080

**SOUTH 14th FAIRWAY
LEGAL DESCRIPTION**

A PARCEL OF LAND LYING AND BEING IN SECTION 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE POINT OF BEGINNING FOR ESTUARINE TRACT 3 PROCEED S 67° 55' 14" E, 545.61 FEET TO THE POINT OF BEGINNING; THENCE S 34° 58' 08" E, 118.67 FEET; THENCE S 16° 48' 00" E, 126.40 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE EAST, HAVING A RADIUS OF 161.44 FEET, THENCE THROUGH A CENTRAL ANGLE OF 23° 15' 45" AN ARC LENGTH OF 65.55 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE WEST HAVING A RADIUS OF 155.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 79° 41' 49" AN ARC LENGTH OF 215.60 FEET; THENCE S 39° 38' 04" W, 38.45 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE EAST, HAVING A RADIUS OF 64.38 FEET, THENCE THROUGH A CENTRAL ANGLE OF 49° 58' 08" AN ARC LENGTH OF 56.15 FEET; THENCE S 10° 20' 04" E, 54.05 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 22.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 161° 15' 45" AN ARC LENGTH OF 61.92 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE EAST, HAVING A RADIUS OF 378.89 FEET, THENCE THROUGH A CENTRAL ANGLE OF 22° 26' 36" AN ARC LENGTH OF 148.42 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE WEST HAVING A RADIUS OF 559.08 FEET, THENCE THROUGH A CENTRAL ANGLE OF 27° 17' 46" AN ARC LENGTH OF 266.35 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 159.94 FEET, THENCE THROUGH A CENTRAL ANGLE OF 100° 45' 51" AN ARC LENGTH OF 281.28 FEET TO THE POINT OF BEGINNING. CONTAINING 1.94 ACRES, MORE OR LESS, AND SUBJECT TO ALL EASEMENTS OF RECORD.

Estuarine Area Tract 3

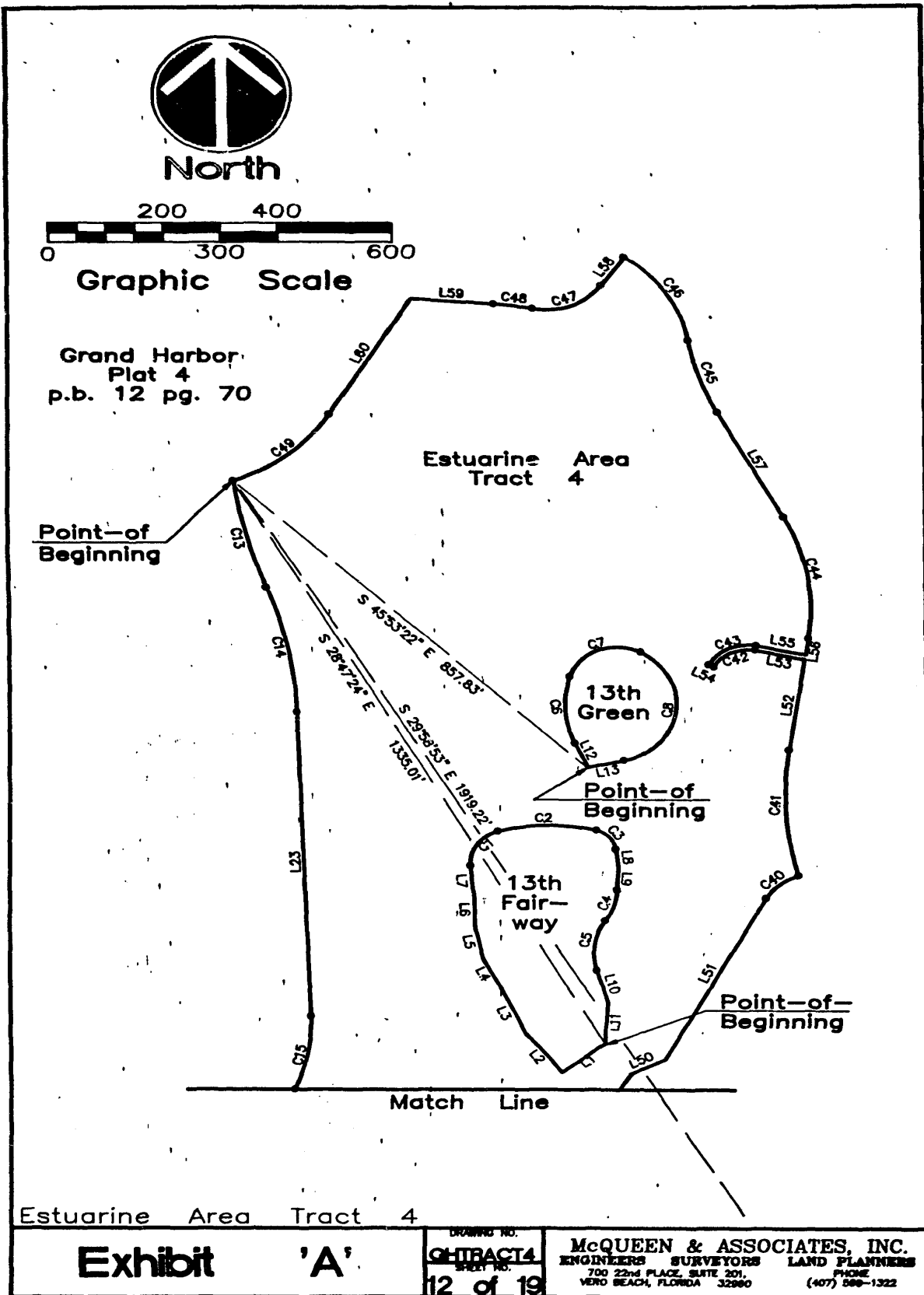
Exhibit

'A'

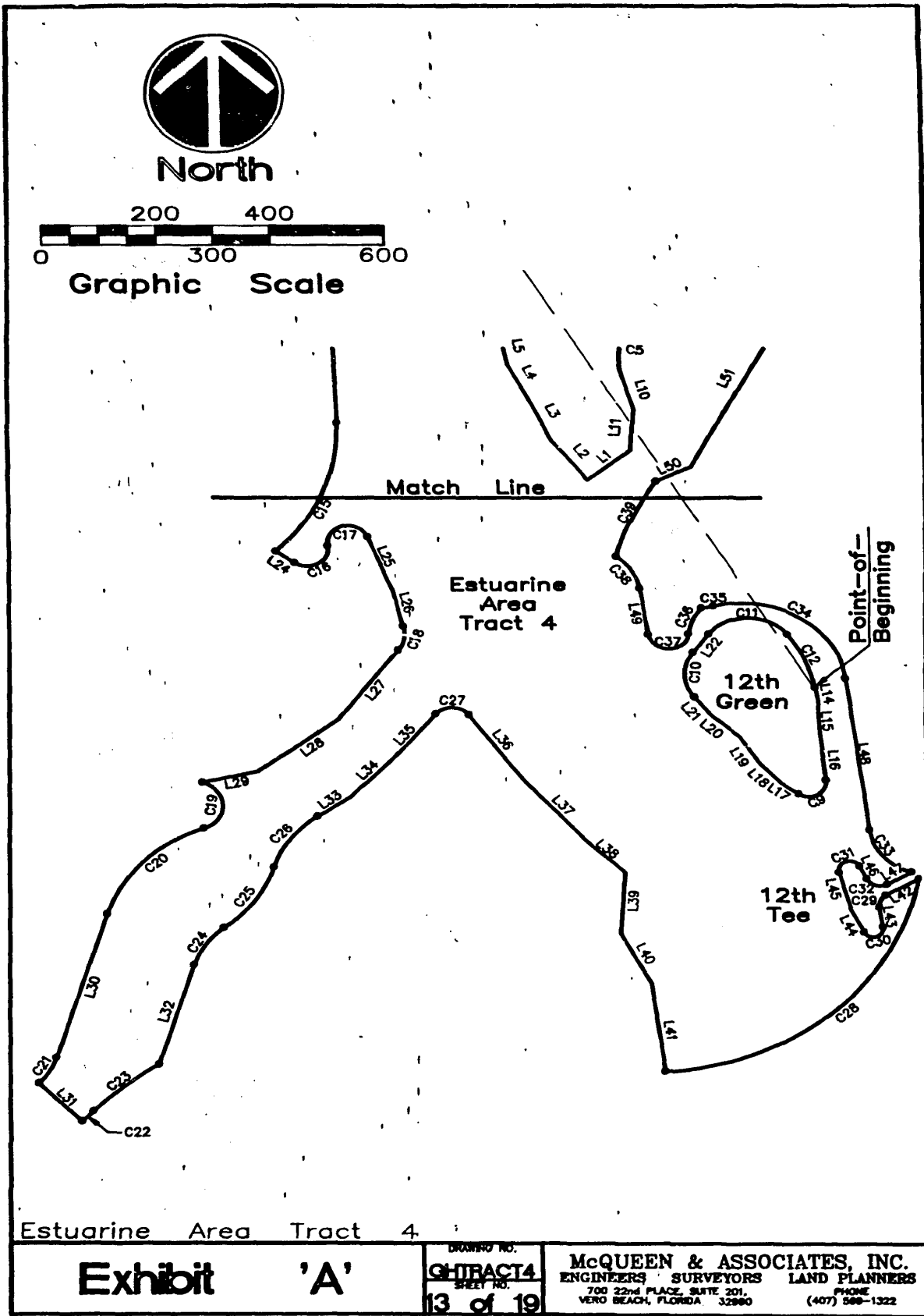
DRAWING NO.
QUESTB3
SHEET NO.
11 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS
700 22nd PLACE, SUITE 201, VERO BEACH, FLORIDA 32960
PHONE (407) 566-1322

080922262080



0R0922Pg2207



Estuarine Area Tract 4

Exhibit 'A'

DRAWING NO.
TRACT 4
SHEET NO.
13 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS
700 22nd PLACE, SUITE 201, VERO BEACH, FLORIDA 32980
PHONE (407) 598-1322

80229d226080

LINE	DIRECTION	DISTANCE
L1	S 10°20'04" E	54.05
L2	S 39°38'04" W	38.45
L3	S 16°48'00" E	126.40
L4	S 34°58'08" E	118.67
L5	S 50°50'39" E	145.17
L6	S 29°02'59" E	106.89
L7	S 22°27'47" E	99.66
L8	N 54°55'41" W	50.42
L9	N 46°20'19" W	73.55
L10	N 08°39'31" E	75.31
L11	N 88°05'24" W	124.03
L12	S 82°13'06" W	139.12
L13	N 70°05'29" W	141.37
L14	S 22°55'59" E	80.96
L15	S 05°55'04" E	101.86
L16	S 18°00'05" E	97.79
L17	S 07°35'23" E	106.80
L18	S 13°19'59" E	82.14
L19	S 02°51'55" E	129.37
L20	S 29°03'56" E	97.10
L21	S 37°07'58" E	108.09
L22	S 22°45'02" E	100.13
L23	S 21°40'46" E	89.16
L24	S 23°49'02" E	115.77
L25	S 28°48'51" E	104.01
L26	S 24°08'02" E	104.67
L27	S 42°07'06" E	104.58
L28	S 49°22'27" E	93.12
L29	S 37°40'21" E	108.56
L30	S 40°30'16" E	92.52
L31	S 38°05'50" E	101.00
L32	N 26°19'36" E	166.33
L33	N 14°41'05" W	51.81
L34	N 29°16'45" W	136.14
L35	N 11°50'42" W	66.05

CURVE	RADIUS	LENGTH	DELTA
C18	159.94	281.28	100°45'51"
C19	559.08	266.35	27°17'46"
C20	378.89	148.42	22°26'36"
C21	22.00	61.92	161°15'45"
C22	64.38	56.15	49°58'08"
C23	155.00	215.60	79°41'49"
C24	161.44	65.55	23°15'45"
C25	110.00	165.98	86°27'07"
C26	257.56	101.88	22°39'50"
C27	37.00	80.64	124°52'16"
C28	166.89	70.07	24°03'20"
C29	90.00	71.18	45°18'47"
C30	331.00	358.79	62°06'22"
C31	434.62	137.34	18°06'20"
C32	489.66	305.81	35°46'58"
C33	221.90	162.45	41°56'40"
C34	85.00	60.38	40°42'10"

Estuarine Area Tract 4

Exhibit**'A'**
 DRAWING NO.
CHTRACT4
 SHEET NO.
14 of 19
McQUEEN & ASSOCIATES, INC.
 ENGINEERS SURVEYORS LAND PLANNERS
 700 22nd PLACE, SUITE 201,
 VERO BEACH, FLORIDA 32980
 PHONE
 (407) 566-1322

60229J226080

ESTUARINE AREA TRACT 4
LEGAL DESCRIPTION

A PARCEL OF LAND LYING AND BEING IN SECTION 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE NORTHEAST CORNER OF GRAND HARBOR PLAT 4 AS RECORDED IN PLAT BOOK 12 PAGE 70 OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA, SAID POINT BEING A POINT ON A CURVE CONCAVE TO THE NORTHWEST, THE RADIUS OF WHICH LIES N 20 35'47" W, 329.48 FEET, THENCE THROUGH A CENTRAL ANGLE OF 38 42'28" AN ARC LENGTH OF 222.59 FEET; THENCE N 30 41'43" E, 283.09 FEET; THENCE S 65 41'55" E, 145.07 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 500.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 07 58'25" AN ARC LENGTH OF 89.52 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 115.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 07 24'05" AN ARC LENGTH OF 135.28 FEET; THENCE N 34 52'25" E 73.17 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE WEST, THE RADIUS OF WHICH LIES S 34 24'40" W, 281.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 48 34'13" AN ARC LENGTH OF 212.14 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 504.82 FEET, THENCE THROUGH A CENTRAL ANGLE OF 18 08'20" AN ARC LENGTH OF 159.44 FEET; THENCE S 27 07'27" E, 247.32 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 419.88 FEET, THENCE THROUGH A CENTRAL ANGLE OF 35 48'58" AN ARC LENGTH OF 262.09 FEET; THENCE S 08 39'31" W, 33.27 FEET; THENCE N 77 40'42" W, 88.57 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 74.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 75 49'41" AN ARC LENGTH OF 97.94 FEET; THENCE S 63 30'23" E, 10.00 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE SOUTHEAST, THE RADIUS OF WHICH LIES S 63 30'23" E, 64.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 75 49'41" AN ARC LENGTH OF 84.70 FEET; THENCE S 77 40'42" E, 87.21 FEET; THENCE S 08 39'31" W, 188.81 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 843.78 FEET, THENCE THROUGH A CENTRAL ANGLE OF 23 27'31" AN ARC LENGTH OF 263.58 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE SOUTHEAST, THE RADIUS OF WHICH LIES S 19 15'17" E, 100.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 42 56'11" AN ARC LENGTH OF 74.94 FEET; THENCE S 27 48'32" W, 377.44 FEET; THENCE S 62 47'45" W, 66.90 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE EAST, THE RADIUS OF WHICH LIES S 56 08'40" E, 523.94 FEET, THENCE THROUGH A CENTRAL ANGLE OF 18 50'01" AN ARC LENGTH OF 172.22 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE SOUTHWEST, THE RADIUS OF WHICH LIES S 35 21'03" W, 98.74 FEET, THENCE THROUGH A CENTRAL ANGLE OF 48 04'45" AN ARC LENGTH OF 79.41 FEET; THENCE S 08 34'12" E, 98.70 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 35.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 165 57'03" AN ARC LENGTH OF 101.37 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE EAST, HAVING A RADIUS OF 98.98 FEET, THENCE THROUGH A CENTRAL ANGLE OF 34 25'44" AN ARC LENGTH OF 59.47 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTH, THE RADIUS OF WHICH LIES N 03 38'34" W, 100.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 12 05'58" AN ARC LENGTH OF 21.12 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 180.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 98 18'22" AN ARC LENGTH OF 308.84 FEET; THENCE S 07 24'10" E, 310.54 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTHEAST, HAVING A RADIUS OF 104.14 FEET, THENCE THROUGH A CENTRAL ANGLE OF 86 17'20" AN ARC LENGTH OF 120.49 FEET; THENCE ON A NON-TANGENT LINE, S 59 17'24" W, 49.74 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTH, HAVING A RADIUS OF 25.88 FEET, THENCE THROUGH A CENTRAL ANGLE OF 95 20'59" AN ARC LENGTH OF 43.07 FEET; THENCE N 25 21'37" W, 28.97 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 19.25 FEET, THENCE THROUGH A CENTRAL ANGLE OF 169 22'42" AN ARC LENGTH OF 56.91 FEET; THENCE S 14 44'19" E, 80.93 FEET; THENCE S 26 27'30" E, 50.51 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTH, HAVING A RADIUS OF 17.80 FEET, THENCE THROUGH A CENTRAL ANGLE OF 162 32'45" AN ARC LENGTH OF 50.50 FEET; THENCE N 09 00'15" W, 41.02 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 25.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 68 17'39" AN ARC LENGTH OF 29.80 FEET; THENCE N 59 17'24" E, 87.16 FEET TO A POINT OF CUSP WITH A CURVE CONCAVE TO THE NORTHWEST, THE RADIUS OF WHICH LIES N 80 09'58" W, 476.22 FEET, THENCE THROUGH A CENTRAL ANGLE OF 78 48'33" AN ARC LENGTH OF 638.13 FEET; THENCE ON A NON-TANGENT LINE N 07 39'31" W, 180.58 FEET; THENCE N 27 08'39" W, 115.23 FEET; THENCE N 03 41'03" E, 125.26 FEET; THENCE N 45 34'02" W, 91.72 FEET; THENCE N 40 57'13" W, 181.81 FEET; THENCE N 38 04'56" W, 166.95 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 36.82 FEET, THENCE THROUGH A CENTRAL ANGLE OF 103 51'30" AN ARC LENGTH OF 66.74 FEET; THENCE S 40 03'34" W, 125.67 FEET; THENCE S 43 49'39" W, 98.78 FEET; THENCE S 54 50'26" W, 70.32 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 200.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 37 59'15" AN ARC LENGTH

cont.

Estuarine Area Tract 4

Exhibit 'A'

DRAWING NO.
CHTRACT 4
SHEET NO.
15 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS
700 22nd PLACE, SUITE 201,
VERO BEACH, FLORIDA 32900
PHONE
(407) 566-1322

010229226080

OF 132.80 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 250.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 35 52'11" AN ARC LENGTH OF 156.51 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 150.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 35 46'44" AN ARC LENGTH OF 93.67 FEET; THENCE S 16 58'38" W, 211.16 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE SOUTHEAST, THE RADIUS OF WHICH LIES S 32'01'56" E, 547.72 FEET, THENCE THROUGH A CENTRAL ANGLE OF 15'48'14" AN ARC LENGTH OF 151.08 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE NORTHWEST, HAVING A RADIUS OF 470.40 FEET, THENCE THROUGH A CENTRAL ANGLE OF 03 28'19" AN ARC LENGTH OF 28.51 FEET; THENCE ON A NON-TANGENT LINE N 44 00'26" W, 109.45 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE NORTHWEST, THE RADIUS OF WHICH LIES N 44 00'26" W, 120.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 29 02'56" AN ARC LENGTH OF 60.84 FEET; THENCE N 16 58'38" E, 305.70 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 275.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 53 17'56" AN ARC LENGTH OF 255.82 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 50.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 143 28'44" AN ARC LENGTH OF 125.21 FEET TO A POINT OF CUSP; THENCE N 76 32'31" E, 100.28 FEET; THENCE N 53 02'52" E, 177.52 FEET; THENCE N 36 43'10" E, 172.94 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 60.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 50 43'01" AN ARC LENGTH OF 53.11 FEET; THENCE N 13 59'51" W, 78.54 FEET; THENCE N 20 54'24" W, 119.44 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTH, HAVING A RADIUS OF 36.50 FEET, THENCE THROUGH A CENTRAL ANGLE OF 168 12'39" AN ARC LENGTH OF 107.16 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE NORTH, HAVING A RADIUS OF 36.89 FEET, THENCE THROUGH A CENTRAL ANGLE OF 136 04'29" AN ARC LENGTH OF 87.14 FEET; THENCE N 53 02'34" W, 39.72 FEET TO THE BEGINNING OF A NON-TANGENT CURVE CONCAVE TO THE WEST, THE RADIUS OF WHICH LIES N 43 57'36" W, 350.56 FEET, THENCE THROUGH A CENTRAL ANGLE OF 48 04'54" AN ARC LENGTH OF 294.18 FEET; THENCE N 02 02'30" W, 632.02 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 815.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 1'8 35'00" AN ARC LENGTH OF 264.34 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE EAST, HAVING A RADIUS OF 1000.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 13 15'27" AN ARC LENGTH OF 231.39 FEET TO THE POINT OF BEGINNING.

CONTAINING 47.22 ACRES, MORE OR LESS, AND SUBJECT TO EASEMENTS OF RECORD.

LESS AND EXCEPT THE FOLLOWING 3 PARCELS:

13th GREEN

LEGAL DESCRIPTION

A PARCEL OF LAND LYING AND BEING IN SECTION 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF GRAND HARBOR PLAT 4 AS RECORDED IN PLAT BOOK 12 PAGE 70 OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA, THENCE S 45 53'22" E, 857.83 FEET TO THE POINT OF BEGINNING; THENCE N 76 31'21" E, 63.70 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 121.00 FEET; THENCE THROUGH A CENTRAL ANGLE OF 137 31'16" AN ARC LENGTH OF 290.42 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 85.30 FEET, THENCE THROUGH A CENTRAL ANGLE OF 101 53'04" AN ARC LENGTH OF 151.68 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE EAST, HAVING A RADIUS OF 197.88 FEET, THENCE THROUGH A CENTRAL ANGLE OF 40 56'15" AN ARC LENGTH OF 141.38 FEET; THENCE S 23 49'14" E, 55.40 FEET TO THE POINT OF BEGINNING.

CONTAINING 0.85 ACRES, MORE OR LESS, AND SUBJECT TO EASEMENTS OF RECORD.

Estuarine Area Tract 4

Exhibit

'A'

DRAWING NO.
TRACT 4
SHEET NO.
16 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS
700 22nd PLACE, SUITE 201, VERO BEACH, FLORIDA 32980
PHONE (407) 566-1322

112226226080

**13th FAIRWAY
LEGAL DESCRIPTION**

A PARCEL OF LAND LYING AND BEING IN SECTION 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF GRAND HARBOR PLAT 4 AS RECORDED IN PLAT BOOK 12 PAGE 70 OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA, THENCE S 28 47'24" E, 1335.01 FEET TO THE POINT OF BEGINNING; THENCE N 03 52'40" E, 83.99 FEET; THENCE N 16 08'16" W, 70.61 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE EAST, HAVING A RADIUS OF 125.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 49 38'03" AN ARC LENGTH OF 108.29 FEET TO THE BEGINNING OF A REVERSE CURVE CONCAVE TO THE WEST, HAVING A RADIUS OF 125.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 30 36'20" AN ARC LENGTH OF 66.77 FEET; THENCE N 02 53'27" E, 44.03 FEET; THENCE N 06 19'31" W, 41.17 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 45.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 68 39'45" AN ARC LENGTH 53.93 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE SOUTH, HAVING A RADIUS OF 319.53 FEET, THENCE THROUGH A CENTRAL ANGLE OF 31 15'50" AN ARC LENGTH OF 174.35 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE SOUTHEAST, HAVING A RADIUS OF 67.35 FEET, THENCE THROUGH A CENTRAL ANGLE OF 79 11'39" AN ARC LENGTH OF 93.09 FEET; THENCE S 05 26'45" E, 59.61 FEET; THENCE S 01 45'05" E, 68.43 FEET; THENCE S 11 33'04" E, 64.16 FEET; THENCE S 26 56'17" E, 70.86 FEET; THENCE S 24 55'52" E, 104.26 FEET; THENCE S 37 43'08" E, 101.51 FEET; THENCE N 51 07'26" E, 95.74 FEET TO THE POINT OF BEGINNING.
CONTAINING 2.20 ACRES, MORE OR LESS, AND SUBJECT TO EASEMENTS OF RECORD.

**12th GREEN
LEGAL DESCRIPTION**

A PARCEL OF LAND LYING AND BEING IN SECTION 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCING AT THE NORTHEAST CORNER OF GRAND HARBOR PLAT 4 AS RECORDED IN PLAT BOOK 12 PAGE 70 OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA, THENCE S 29 58'53" E, 1919.22 FEET TO THE POINT OF BEGINNING; BEING THE BEGINNING OF A CURVE CONCAVE TO THE WEST, THE RADIUS OF WHICH LIES S 79 22'00" W, 276.83 FEET; THENCE THROUGH A CENTRAL ANGLE OF 24 52'24" AN ARC LENGTH OF 120.18 FEET TO THE BEGINNING OF A COMPOUND CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 84.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 108 23'13" AN ARC LENGTH OF 158.90 FEET; THENCE S 36 06'23" W 46.79 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 75.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 74 42'52" AN ARC LENGTH OF 97.80 FEET; THENCE S 38 36'29" E, 46.62 FEET; THENCE S 48 12'09" E, 66.55 FEET; THENCE S 32 52'58" E, 63.65 FEET; THENCE S 41 12'08" E, 53.29 FEET; THENCE S 54 07'03" E, 37.61 FEET TO THE BEGINNING OF A CURVE CONCAVE TO THE NORTH, HAVING A RADIUS OF 30.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 131 51'13" AN ARC LENGTH OF 69.04 FEET; THENCE N 05 58'16" W, 89.98 FEET; THENCE N 02 53'14" W, 73.14 FEET; THENCE N 10 38'00" W, 25.23 FEET TO THE POINT OF BEGINNING.
CONTAINING 1.26 ACRES, MORE OR LESS AND SUBJECT TO EASEMENTS OF RECORD.

Estuarine Area Tract 4.

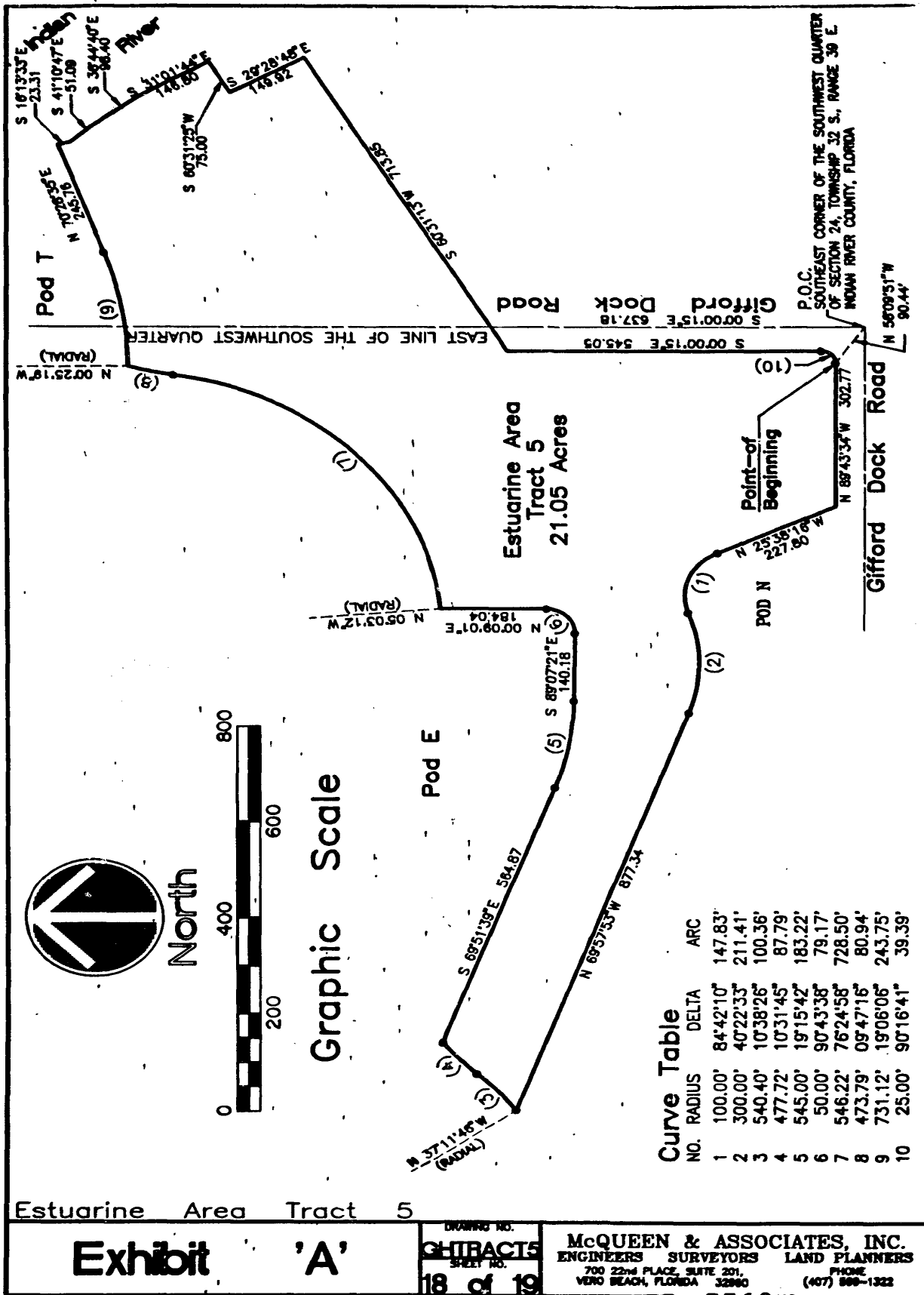
Exhibit

'A'

DRAWING NO.
TRACT 4
SHEET NO.
17 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS
700 22nd PLACE, SUITE 201, VERO BEACH, FLORIDA 32980
PHONE (407) 299-1322

080922Pc2212



**ESTUARINE AREA TRACT 5
LEGAL DESCRIPTION**

A PARCEL OF LAND LYING AND BEING IN SECTION 24, TOWNSHIP 32 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, OF WHICH IS MORE PARTICULARLY DESCRIBED AS FOLLOWS: COMMENCE AT THE SOUTHEAST CORNER OF THE SOUTHWEST QUARTER OF THE AFORESAID SECTION 24, N 56°09'51"W, 90.44 FEET TO INTERSECT WITH THE NORTH RIGHT-OF-WAY LINE OF GIFFORD DOCK ROAD AND THE POINT OF BEGINNING; THENCE N 89°43'34" W ALONG THE NORTH RIGHT-OF-WAY LINE OF GIFFORD DOCK ROAD 302.77 FEET; THENCE N 25°38'16"W AND LEAVING THE NORTH RIGHT-OF-WAY OF GIFFORD DOCK ROAD 227.80 FEET TO A CURVE CONCAVE TO THE SOUTH HAVING A RADIUS OF 100.00 FEET WITH A CENTRAL ANGLE OF 84°42'10" AND RUN AN ARC DISTANCE OF 147.83 FEET TO A CURVE CONCAVE TO THE NORTH, HAVING A RADIUS OF 300.00 FEET WITH A CENTRAL ANGLE OF 40°22'33" AND RUN AN ARC DISTANCE OF 211.41 FEET, THENCE N69°57'53"W, 877.34 FEET TO INTERSECT WITH A CURVE CONCAVE TO THE NORTHWEST THE RADIUS OF WHICH LIES N 37°11'46" W, 540.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 10°38'26" AN ARC LENGTH OF 100.36 FEET TO A CURVE CONCAVE TO THE SOUTHEAST HAVING A RADIUS OF 477.72 FEET WITH A CENTRAL ANGLE OF 10°31'45" AND RUN AN ARC DISTANCE OF 87.79 FEET; THENCE S 69°51'39"E, 564.87 FEET TO A CURVE CONCAVE TO THE NORTH HAVING A RADIUS OF 545.00 FEET WITH A CENTRAL ANGLE OF 19°15'42" AND RUN AN ARC DISTANCE OF 183.22 FEET; THENCE S 89°07'21" E, 140.18 FEET TO A CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 50.00 FEET WITH A CENTRAL ANGLE OF 90°43'38" AND RUN AN ARC DISTANCE OF 79.17 FEET; THENCE N 00°09'01" E, 184.04 FEET TO A CURVE CONCAVE TO THE NORTHWEST, THE RADIUS OF WHICH LIES N 05°03'12" W, 546.22 FEET, THENCE THROUGH A CENTRAL ANGLE OF 76°24'58" AN ARC LENGTH OF 728.50 FEET TO A CURVE CONCAVE TO THE EAST HAVING A RADIUS OF 473.79 FEET WITH A CENTRAL ANGLE OF 09°47'16" AND RUN AN ARC DISTANCE OF 80.94 FEET TO A CURVE CONCAVE TO THE NORTH, THE RADIUS OF WHICH LIES N 00°25'19" W, 731.12 FEET, THENCE THROUGH A CENTRAL ANGLE OF 19°06'06" AN ARC LENGTH OF 243.75 FEET; THENCE N 70°28'35"E, 245.76 FEET TO INTERSECT WITH THE MEAN HIGH WATER LINE OF THE INDIAN RIVER AS ESTABLISHED BY BEINDORF AND ASSOCIATES, INC. ON APRIL 30, 1985; THENCE RUN SOUTHEASTERLY ALONG THE MEAN HIGH WATER LINE OF THE INDIAN RIVER THE FOLLOWING COURSES AND DISTANCES; S 16°13'33" E, 23.31 FEET; THENCE S 41°10'47" E, 51.09 FEET; THENCE S 36°44'40" E, 98.40 FEET; THENCE S 31°01'45" E, 146.80 FEET; THENCE LEAVING SAID MEAN HIGH WATER LINE S 60°31'25" W, 75.00 FEET; THENCE S 29°28'48" E, 149.92 FEET; THENCE S 60°31'12" W ALONG A LINE 10 FEET NORTH OF AND PARALLEL TO THE CENTERLINE OF GIFFORD DOCK ROAD 713.85 FEET; THENCE S 00°00'15" E, 545.05 FEET TO A CURVE CONCAVE TO THE NORTHWEST HAVING A RADIUS OF 25.00 FEET, THENCE THROUGH A CENTRAL ANGLE OF 90°16'41" AN ARC LENGTH OF 39.39 FEET TO THE POINT OF BEGINNING. CONTAINING 21.05 ACRES, MORE OR LESS, AND SUBJECT TO ALL EASEMENTS OF RECORD.

Estuarine Area Tract 5

Exhibit

'A'

DRAWING NO.
GH TRACTS
SHEET NO.
19 of 19

McQUEEN & ASSOCIATES, INC.
ENGINEERS SURVEYORS LAND PLANNERS
700 22nd PLACE, SUITE 201, P.O. BOX
VERO BEACH, FLORIDA 32900 (407) 588-1322

080922262211

SUBORDINATION AND CONSENT OF MORTGAGEE

This Subordination and Consent of Mortgagee is made this 27th day of November, 1991, by CITY SAVINGS, F.S.B., in Receivership, RESOLUTION TRUST CORPORATION, as Receiver ("Mortgagee"), of 300 Davidson Avenue, Somerset, New Jersey, 08875:

W I T N E S S E T H:

For good and valuable consideration in hand paid, the Mortgagee, as owner and holder of that certain mortgage dated June 28, 1991 and recorded July 2, 1991 in Official Record Book 901, Page 1899, and that certain Profit Participation Mortgage dated June 28, 1991 and recorded July 2, 1991 in Official Record Book 901, page 1981, all of the Public Records of Indian River County, Florida (collectively, the "Mortgage"), securing all of the real property described therein, hereby consents to the making of the foregoing Conservation Easement for the purposes set forth therein; and

Mortgagee hereby consents and agrees that the aforesaid Mortgage held by Mortgagee is and shall continue to be subject and subordinate to the foregoing Conservation Easement.

Provided always, nevertheless, that nothing herein contained shall in anywise impair, alter or diminish the effect, lien or encumbrance of the Mortgage on the remaining part of said mortgaged premises, or any of the rights and remedies of the Mortgagee or any subsequent holder thereof.

IN WITNESS WHEREOF, the Mortgagee has caused these presents to be executed in its name, and its official seal to be hereunto affixed, by its proper officers thereunto duly authorized, this 27th day of November, 1991.

Witnesses:

Karl W. McQuilley
Print Name Karl W. McQuilley
Marcia M. Guglielmo
Print Name MARCIA M. GUGLIELMO

CITY SAVINGS, F.S.B. in
Receivership, RESOLUTION TRUST
CORPORATION, as Receiver

By P. Christian Yates
Its Financial Institution Specialist
Typed Name P. Christian Yates
300 Davidson Avenue
Somerset, New Jersey 08875

(SEAL)

STATE OF NEW JERSEY)
COUNTY OF SOMERSET) ss.:

I HEREBY CERTIFY that on this day personally appeared before me, an officer duly authorized to administer oaths and take acknowledgements, P. Christian Yates, as Financial Institution Spec. of CITY SAVINGS BANK, F.S.B. in Receivership, RESOLUTION TRUST CORPORATION, as Receiver, under authority duly vested in him by City Savings Bank, F.S.B.

WITNESS my hand and official seal in the County and State aforesaid this 27th day of November, 1991.

Joan A. Sorensen
Notary Public
Typed name of notary: Joan A. Sorensen
My Commission expires: April 11, 1991

THIS INSTRUMENT PREPARED BY:
Bruce Barkett, Esq.
Collins, Brown & Caldwell
744 Beachland Blvd.
Vero Beach, FL 32963

JOAN A. SORESEN
NOTARY PUBLIC OF NEW JERSEY
COMMISSION EXPIRES APR. 11 1994

51229226080

Attachment 6

FDEP Permit No. 31-221778-4



Lawton Chiles
Governor

Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL
P 128 890 107

Grand Harbor
c/o Ron Andrews
2121 Grand Harbor Boulevard
Vero Beach, FL 32967

Indian River County - WRP
Grand Harbor

Dear Mr. Andrews:

Enclosed is Permit Number 31-221778-4 to alter live mangroves, issued pursuant to Section 403.918 and/or Chapter 373, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information; (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

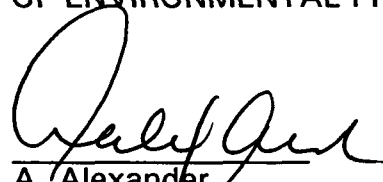
if a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



A. Alexander
District Director
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803

7/23/83
Date

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to
§120.52(11), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

James B. Borden 7/23/93
Clerk Date

AA/GG/BB/twh

Copies furnished to:

Corps of Engineers (199241743)
Indian River County Property Appraiser
DEP Melbourne Office

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were
mailed before the close of business on 7/23/93 to the listed
persons, by Deen Stuffer



Lawton Chiles
Governor

Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

Permittee:
Grand Harbor
c/o Ron Andrews
2121 Grand Harbor Boulevard
Vero Beach, FL 32967

I. D. Number:
Permit/Certification
Number: 31-221778-4
Date of Issue: 7/23/93
Expiration Date: 7/23/98
County: Indian River
Latitude/Longitude:
27°41'00"/80°23'00"
Section/Township/Range:
14,23,24/ 32S / 39E
Permittee: Grand Harbor

This permit is issued under the provisions of Chapter(s) 403 and/or Chapter 373, Florida Statutes, and Title 17 Florida Administrative Code Rule. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To alter live mangroves which interfere with the use of the golf course at Grand Harbor. Trimming will be performed as necessary and at various heights dependent upon location around the golf course. The project is located in Sections 14, 23, and 24, Township 32 South, Range 39 East in Indian River County.

LOCATION: State Road 60, east to U.S. 1; U.S. 1 south to the Grand Harbor entrance on the east side of U.S. 1 at the golf course, in Sections 14, 23, 24, Township 32 South, Range 39 East in Indian River County.

Permittee: Grand Harbor
Permit Number: 31-221778-4

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 402.727, or 403.859 through 403.861 and/or Chapter 373, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5) and/or Chapter 373, F.S., the issuance of this permit does not convey any vested rights of public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of this total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, on property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by the Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under conditions of the permit;

- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any conditions or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) a description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73 and/or Chapter 373, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rule of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 17-302.500, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes certification of compliance with State Water Quality Standards (Section 401, PL-92-500).

14. The permittee shall comply with the following:

- a. upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

Permittee:
Grand Harbor

I.D. Number:
Permit/Certification
Number: 31-221778-4
Date of Issue: 7/23/93
Expiration Date: 7/23/98

SPECIFIC CONDITIONS:

1. Prior to construction of work authorized by this permit, the permittee shall provide written notification of the date of commencement of construction to the Central District Office of the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.
2. Turbidity must be controlled to prevent violations of water quality pursuant to Rule 17-302.510(5)(r), Florida Administrative Code. turbidity shall not exceed 29 Nephelometric Turbidity Units above natural background conditions.
3. Within 30 days of completion of work authorized by this permit, the permittee shall provide written notification of the date of completion of construction to the Central District Office of the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.
4. This permit only authorizes mangrove alteration in the areas described in the "Summary of Trimming" and in the Legend areas described in the "Summary of Trimming" and in the Legend sheets of the attached permit information in order to maintain the use of the golf course.
5. The Woodduck areas (A,B,C, and D) (and Sections 16, 17, 18 and 19 on Sheet 1) authorize only white mangrove (Laguncularia racemosa) alteration as outlined in the "Summary of Trimming" description. All existing red and black mangroves (Rhizophora mangle, Avicennia germinans) and the areas beyond the limits of the white mangrove alteration areas shall remain unaltered and natural.
6. The Second Rotary A area (Section 10 on Sheet 3) authorizes mangrove alteration in an area 160 feet long by 10 feet wide as described in the "Summary of Trimming".
7. No mangrove alteration/trimming is authorized within 3 feet of any root system, including prop roots.
8. All debris, including exotics removal (i.e., Brazilian pepper trees) shall be disposed of in uplands and not into wetlands or waters of the state. Inadvertent mangrove leaves and debris that falls into the wetland is allowed.
9. The mangroves shall be altered with a sharp machete, chain saw or similar tool which will not harm the adjacent mangroves or the mangrove being altered.
10. A maximum of 2 feet of side branch trimming is authorized to maintain golf cart bridges free of the mangroves.
11. The issuance of this permit does not guarantee that future modifications, or permits will be granted.
12. Should any trimming occur outside of the permitted areas, then enforcement will result which may include penalties and additional mangrove planting or wetland creation.

Permittee:
Grand Harbor

I.D. Number:
Permit/Certification
Number: 31-221778-4
Date of Issue: 7/23/93
Expiration Date: 7/23/98

SPECIFIC CONDITIONS:

13. The project shall comply with applicable state water quality standards, including:
 - A. 17-302.500 - minimum criteria for all surface waters at all places and at all times,
 - B. 17-302.510 - Surface waters: general criteria, and
 - C. 17-302.560 - Class III Waters - Recreation - Propagation and maintenance of a healthy, well-balanced population of Fish and Wildlife.
 - D. 17-302.510(5)(r) - Turbidity shall not exceed 29 Nephelometric Turbidity Units above natural background.
14. The waters of the state wetland lines shown on the attached plans are only binding upon the Department and the District in those specific locations where dredging or filling activity is authorized by this permit. Those portions of the wetland line which extend beyond the scope of work authorized by this permit are for reference only and shall not be relied upon for future compliance with Section 403.913 and/or Chapter 373, F.S., or any other provision of law.
15. The permittee is hereby advised that Florida law states: "No person shall commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Division of State Lands under Chapter 253, until such person has received from the Board of Trustees of the Internal Improvement Trust Fund the required lease, license, easement, or other form of consent authorizing the proposed use." Pursuant to Florida Administrative Code Rule 16Q-14, if such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to \$10,000 per offense.
16. If historical or archaeological artifacts, such as Indian canoes, are discovered at any time within the project site the permittee shall immediately notify the district office and the Bureau of Historic Preservation, Division of Historical Resources, R.A. Gray Building, 550 S. Bronough Street, Tallahassee, Florida 32399-0250.

ISSUED 7/23/93

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

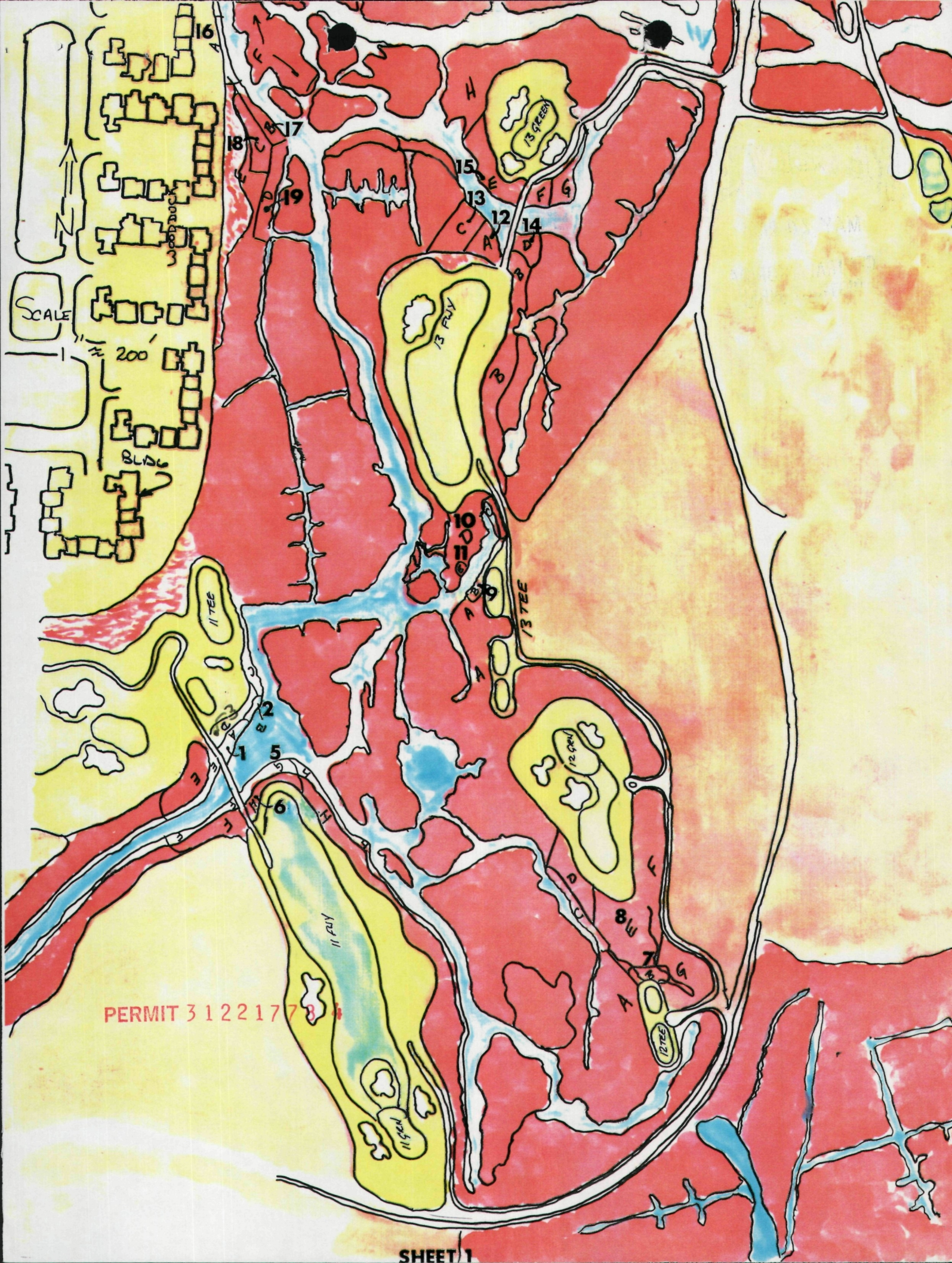
[Signature]
A. Alexander
District Director
3319 Magulre Boulevard
Suite 232
Orlando, Florida 32803-3767



RECEIVED

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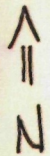
CENTRAL FLORIDA
DISTRICT WRM



RECEIVED

MAY 20 1993

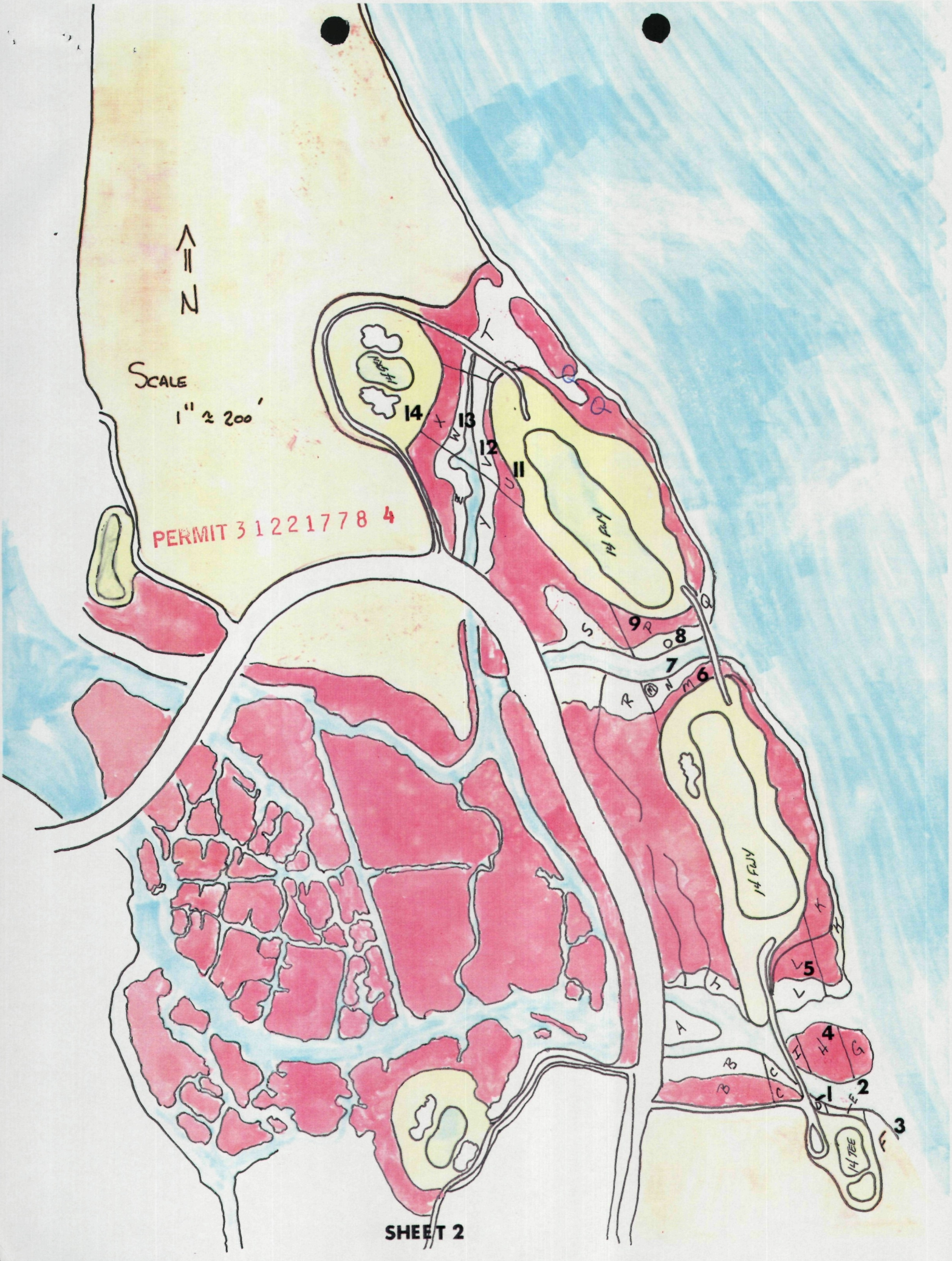
CENTRAL FLORIDA
DISTRICT WRM



SCALE
1" = 200'

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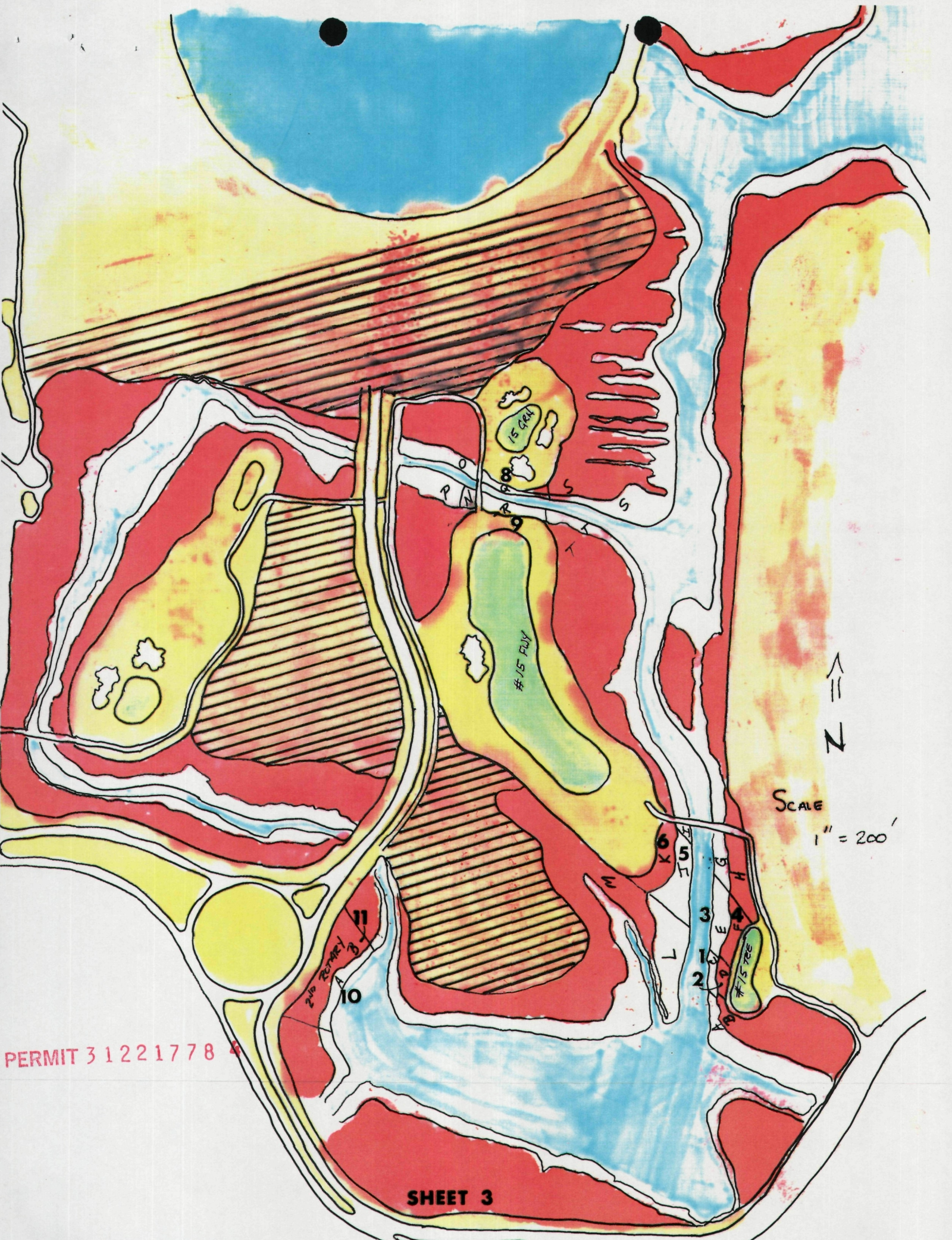
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SUMMARY OF TRIMMING

Hole #11

- 11A. (Section 1) - An area approximately 80' x 20' directly in the line of play off the 11th tee consisting of solid White Mangrove. Existing heights are between 2 and 6 feet. Proposed trim height is 4' to be maintained between 4' and 5'. Trimming is required now.
- 11B. (Section 2) - White Mangroves in play off the 11th tee to the left of center approximately 50' x 15'. The existing height is 2' to 3'. There is no trimming proposed now. Proposed maintenance height is 4' to 5'. Trim within 5 years.
- 11C. (Previously Section 3) - This section was misrepresented on submittal #2. It is to the left of the hole #11 tee approximately 115' to 20' outside the area of play. This area is to remain unaltered.
- 11D. (Designated Section 3 on Revised Color Sheet 1) Consists of Black Mangroves in an area approximately 115' x 18' with an average height of 2 to 3 feet. It is on direct line of play off the 11th tee. There is no current trim needed. Future trim to maintain the trees to 4' to 5' is required.
- 11E. An area of mixed White and Black Mangroves approximately 120' x 40' on the west side of the 11th fairway. There are no alterations proposed in this area.
- 11F. An area of mixed White and Black Mangroves, directly across the canal from Section 11E. The area, approximately 120' x 40' is also out of play and is to remain unaltered.
- 11G. (Section 5) - Mostly White Mangroves (scattered black) just across the water from the 11th tee directly in the line of play. The area is approximately 100' x 20' with a required maintenance height of 4' to 5'. Several reach 6' to 7' and should be trim now.

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- 11H. **(Section 6)** This Section is adjacent to Section 5 (11G) and consists of mostly White Mangroves (scattered black) approximately 2' to 7'. They are directly in line of play in an area of 110' x 15'. This area should be trimmed to 4' and maintained at 4' to 5'.
- 11I. This Section was previously confused with Section H. It runs along the left side of fairway #11 and is approximately 750' x 35'. It is out of play and will not be altered.
- 11J. This section is adjacent to Section 11I and is also to remain natural. It is approximately 750' x 5' along the left side of the 11th fairway and consists of White Mangroves.
- 12A. This area is adjacent to the west side of #12 tee area. It is approximately 150' x 50' and is not in play. There are White and Black Mangroves in a high marsh. No alterations are proposed in this area.
- 12B. **(Section 7)** - This Section is also adjacent to the #12 tee directly in the line of play. It consists of White Mangroves in an area of 70' x 20' approximately 3' to 5' in height. They need to be maintained between 4 and 5 feet and should be trimmed to 5' now.
- 12C. This area is off to the west side of fairway #12. It consists of an area approximately 170' x 15' of White Mangroves. It is to remain in its unaltered natural state.
- 12D. This area is also off to the west side of fairway #12 between Section 12C and the edge of the fairway. It, too, is out of play and consists of almost no Mangroves, in an area of 100' x 40'. It is proposed to remain in its natural state.
- 12E. **(Section 8)** It is the only other area of proposed trimming on hole #12. It is located between the #12 tee and fairway in the line of play. There are sporadic White Mangrove in an area of 120' x 110' approximately 2' to 3' in height. No trimming is required now, however, the growth will need to be maintained to 4' to 5'.
- 12F. An area approximately 200' x 65' along the east side of the #12 fairway. There is no Mangrove encroachment and it is intended to remain in its natural state.

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- 12G. This area is adjacent to the east side of the #12 tee and consists of White and Black Mangroves in a high marsh. This area, 70' x 60', is intended to remain in its natural state.
- 13A. This area contains mixed Mangrove in a high marsh around the #13 tee area. It encompasses 200' x 40' and does not interfere with play. This area is to remain unaltered.
- 13B. (Section 9) - This area is directly in the line of play along the water next to the #13 tee and contains approximately 130' x (Varies 10'-2') of White Mangroves 2' to 4' high. These need to be maintained between 4' and 5'. There is no trimming necessary now, but will be required.
- 13C. This area is adjacent to the golf cart path to the east side of the marsh of the #13 tee. It is approximately 80' x 30' with scattered White Mangroves. These may achieve natural height. No trim necessary.
- 13D. (Section 10) - This is the area between the 13th tee and 13th fairway north of the water. It encompasses 80' x 70' with White Mangroves at 4' to 5'. These need to be maintained between 4' and 5' due to interference with play.
- 13E. (Section 11) - This is a single tree within Section 10 (13D) consisting of a Black Mangrove now at 8'. It needs to be maintained at 6' due to interference with play.

13G,A - 13G,H - These areas are still on hole 13 concentrating around the green.

- 13G A. (Section 12) - This area is located adjacent to the 13th fairway to the left of the bridge crossing to the green approximately 60' x 60' with 8' - 10' White Mangroves and 3' - 4' Mangroves. These Mangroves interfere with the approach play to the 13th green and should be maintained to 6' maximum height.
- 13G B. This area runs along the right side of #13 fairway approximately 400' x 30' consisting primarily of White Mangroves. These are not in the line of play and may be allowed to reach natural height.

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13G C. (Section 13) - This area is adjacent to Section 12 (13 G A) at the centerline of fairway #13 between the fairway and the water fronting the green. It is approximately 50' x 90' and consists of White Mangroves to 7' height. Trimming to 5' and maintaining between 5' and 6' is required for play.

13G D. (Section 14) - This area is to the right of the bridge along the water opposite the shoreline around the 13th green. The majority of the Mangroves in this 30' x 40' area (white /red) may be left natural, however, some trim along the west edge may need to be maintained to 6'. Trimming in this area shall be limited to those mangroves which interfere with play. Nothing is near that height now but may be in the future.

13G E. (Section 15) - This area encompasses the shoreline in front (south) of the 13th green to the left of the bridge. It is approximately 150' x 40' consisting of White and Red Mangroves from 2' to 5'. It is directly in the line of play and needs to be maintained between 5' and 6'. Trim will be necessary in the near future.

13G F. This area is out of the line of play to the right of the bridge around #13 green approximately 50' x 40' with White and Red Mangroves. This area will be allowed to reach natural height.

13G G. Adjacent to Section 13G F further to the right out of the line of play. This area, 100' x 30' will remain unaltered.

13G H. This area 300' x 100' is around the back side of #13 green and out of the line of play. It will remain unaltered.

Woodduck:

There appears to be some confusion about the extent of the trimming around the woodduck courtyard. Please note that areas of trimming will be restricted to the shoreline areas only and will not extend into the estuary. The areas are as follows:

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- WD A. (**Section 16**) - This is an area centered on the northernmost courtyard of the woodduck area, directly adjacent to the shoreline approximately 120' x 10'. The proposed trimming would be to maintain "sight lines" by trimming strategically located White Mangroves to 6', not exceeding 45% (54 feet) of the shoreline length. The remaining Red and Black Mangroves would remain unaltered.
- WD B. (**Section 17**) - This Section is along the waterline adjacent to Section 18 and the 2nd courtyard. The area is 130' x 20' and only the trimming of White Mangroves is proposed. Note that the total width of Section 17 and 18 does not exceed 50'. The proposed trimming will be to trim strategically located White Mangroves to 6' not to exceed 45% (58 feet) of the shoreline length. The remaining Red and Black Mangroves would remain unaltered.
- WD C. (**Section 18**) - This Section is located adjacent to the woodduck courtyard (2nd to the south) attached to Section 17 and is approximately 150' x 30'. Typical of the proposed trimming at woodduck, only strategically located White Mangroves will be trimmed and maintained to 6' not exceeding 45% (67 feet) of total shoreline length. The remaining Red and Black Mangroves would remain unaltered.
- WD D. (**Section 19**) - This Section is located along the same shoreline as Section 17 continuing to the south. It is approximately 175' x 25' and contains primarily White Mangroves about 4' to 7' in height. The typical woodduck trimming method will be used here also (Max 45% at 6' - remaining natural). The remaining Red and Black Mangroves would remain unaltered.
- WD E. This area is located between the grass back yard of the courtyard and Section 19. It is approximately 200' x 50' and is to remain unaltered.
- WD F. This area is located across the first watercourse opposite Section 16. As stated before, no Mangrove trimming will occur other than shoreline alteration. There is no proposed trimming here. This is to remain unaltered.

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It is our intention to trim approximately (410' x .45) 185 LF of 1000' + Mangrove shoreline surrounding the woodduck courtyard homes. Also, in no case would that trimming operation exceed 50' in width from the outer edge of the proposed areas.

Sheet 2

- 14A. This area is located in the center of the watercourse in between that 14th tee and 14th fairway. It is 100' x 50' and far to the left, out of play. There are no alterations proposed here.
- 14B. This area is located along the far left shoreline adjacent to the 14th tee approximately 180' x 100'. It too, is out of play and will remain unaltered.
- 14C. This area is located along the shoreline to the left (west) of the bridge along the shoreline adjacent to the 14th tee. It is approximately 50' x 35' and contains Red, Black and White Mangroves. This area will remain unaltered with the exception of some side branch trimming to maintain bridge free of obstacles. In no case will they be trimmed back more than 2 feet from bridge.
- 14D. (Section 1) - This area is to the east side of the bridge adjacent to the #14 tee. It is 30' x 10' with scattered Red Mangrove at 2' to 4' in height. There is no trimming proposed now, however, these would need to be maintained at approximately 6' due to interference with play.
- 14E. (Section 2) - This area is located directly in front of the 14th tee directly in line of play approximately 70' x 5' with scattered White and Red Mangroves. The Mangroves are 3' in height now and should be maintained in the future to between 4' and 5'.
- 14F. (Section 3) - This Section is located adjacent to the east side of the 14th tee to the MHWL. In no case will any alterations take place waterward of the MHWL. The Section is approximately 100' x 35' with mixed Mangroves. The purpose of this trimming is to provide access for maintenance of exotic species located within the Section. Trimming in this area shall consist of inadvertent lateral trimming of mangroves to provide access for removing exotics. This will basically consist of a

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one time operation with the exotics to be treated at the base. A request for an additional access trim may be in order at a later date if the exotics regain control.

- 14G. This area is located in a marsh created in the center of the watercourse to the east of the bridge (far east 1/3) to the 14th fairway. It is approximately 100' x 50' and contains Black and White Mangroves at 2' to 4' in height. There are no alterations proposed at this location.
- 14H. (Section 4) - This location is in the center of the created marsh directly in the line of play. The marsh is in the watercourse between the 14th fairway and 14th tee and is 70' x 110' with mixed Mangroves ranging from 2' to 4' in height. There is no trim necessary now but these will need to be maintained between 4' and 5'.
- 14I. This Section is located directly adjacent to the middle of the bridge crossing from the 14th tee to the 14th fairway. This Section is 50' x 15' and should not interfere with play. This area will remain unaltered.
- 14J. This area is located to the west side of the shoreline adjacent to the 14th fairway. It is approximately 130' x 30' with primarily White Mangroves. This area is out of play and is to remain unaltered.
- 14K. This area is located along the east side of the 14th fairway above the MHWL. This area is approximately 60' x 7' and contains Black Mangroves with some Whites. This area is to be left unaltered.
- 14L. (Section 5) - This area is located along the shoreline adjacent to the south end of the first 14th fairway directly in the line of play. It is approximately 90' x 100' with Red Mangroves at 2' to 4' in height. These Mangroves do not need trimming now but will need to be maintained between 6' and 7'.

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- 14M. (Section 6) - This is an area directly adjacent to the north end of the first 14th fairway directly in the line of play. About 15 Black Mangroves have established themselves and are currently 5' to 6' in height. The overall area is approximately 120' x 15' and would need to be maintained between 5' and 6' due to interference with play. Trimming is required in this area now.
- 14N. (Section 7) - This area is between Section 6 and the watercourse cutting between the first and second fairway on hole #14. It is approximately 130' x 25' with White and scattered Red Mangroves at 2' to 5' in height. These need to be maintained between 5' and 6' due to interference with play. There are no alterations now, but future maintenance is expected.
- 14O. (Section 8) - This Section is located directly across the watercourse from Section 7 and is approximately 130' x 30' with White and scattered Red Mangroves at 2' to 5' in height. These Mangroves are directly in the line of play and need to be maintained between 5' and 6'. There is not trimming required now but future maintenance is expected.
- 14P. (Section 9) - This Section is located directly north of Section 8 to the south edge of the second fairway on Hole #14. It is approximately 130' x 40' with sporadic Black Mangroves between 2' and 3'. These need to be maintained between 5' and 6'. Future maintenance is required.
- 14Q. This area is to the east side of the second fairway on Hole 14. It is approximately 400' x 20' with mixed Mangroves. There are no alterations proposed in this area.
- 14R - 14S. These areas are to the west side of Hole #14 on opposite shorelines of the 2nd watercourse. They are 150' x 100' and contain scattered Black Mangroves. These areas are out of play and will not require maintenance. No alterations are proposed here.
- 14T. (Previously Section 10) - This Section is to the east of the bridge to the 14th green. It is 200' x 130' and contains mixed Black and White Mangroves at 6' to 10' in height. There are no alterations proposed in this area with the exception of some side branch trimming to maintain the bridge free of obstacles. In no case will they be trimmed back more than 2 feet from the bridge.

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- 14U. (Section 11) - This Section is located adjacent to the north end of the second fairway on Hole #14. It is approximately 250' x 10' and contains White Mangroves currently 1' to 2' in height. There is no trim required now but these will need to be maintained at 6' due to interference with the golf play.
- 14V. (Section 12) - This Section is directly north of Section 7 to the watercourse between the 14th fairway and 14th green. It is approximately 200' x 25' with mostly Whites, some Reds ranging between 2' to 7'. Trimming is not necessary now but will be required shortly to maintain these Mangroves at 6'. This is due to interference with approach to #14 green.
- 14W. (Section 13) - This Section is located directly across the watercourse from Section 12. It is approximately 170' x 20' with mainly White Mangrove currently at 3' to 7' in height. This area must be maintained at 6' for proper play. The Mangroves will require trimming shortly to maintain 6'.
- 14X. (Section 14) - This area is between Section 13 and the 14th green. It too, interferes with play and must be maintained at a maximum of 6'. The area is approximately 170' x 30' with White (3' to 7') and sporadic Red (2' to 3'). No trimming is required now but maintenance alterations are expected in the future.
- 14Y - 14Z. (Previously Section 14 and 15) - These Sections to the far left of 14 fairway and green are 150' x 20' on opposite sides of the waterbody. They were previously proposed to be trimmed but will not be included in the proposal at this time. No alterations are intended for these locations.

Sheet 3

- 15A. This Section is located to the south of the 15th tee along the waterbody. The area is approximately 300' x 30' with White Mangrove between 6' and 9'. There are no alterations proposed in this location.
- 15B. This Section is located between Section 15A and the 15th tee. It is 350' x 100' and also contains White Mangroves between 6' and 9' height. No alterations are proposed in this area.

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- 15C. (Section 1) - This Section is located to the west of the 15th tee along the watercourse. It is approximately 70' x 10' with White Mangrove between 6' and 11' encroaching on the line of play off the tee. This area needs to be trimmed back to 8' and maintained between 8' and 10'.
- 15D. (Section 2) - This area occupies the space between Section 1 and the 15th tee and is approximately 60' x 20' with White Mangroves at 10' in height. This area is on slightly higher ground and must be maintained between 7' to 9' in order not to hinder play.
- 15E. (Section 3) - This Section is also in the line directly to the north of Section 1 and is approximately 120' x 30' with White Mangroves between 3' and 8'. They are directly in the line of play and need to be maintained between 8' and 9.5'. No trimming is required now but is expected when they reach 9.5 feet.
- 15F. (Section 4) - This Section is directly north of Section 2 and is approximately 90' x 25' with White Mangroves of 4' in height. No trimming is required now but alteration may be required to maintain the area between 7' and 9' as not to hinder play.
- 15G. This area is north of Section 3 and out of the line of play. It is predominantly White Mangroves located in an area 90' x 20' not to be disturbed. No alterations are proposed in this area with the exception of side branch trimming to maintain bridge free of obstacles.
- 15H. This area is north of Section 4 and out of the line of play. It is predominantly White Mangroves located in an area 90' x 25' not to be disturbed. No alterations are proposed in this area with the exception of side branch trimming to maintain bridge free of obstacles.
- 15I. This Section is located on the south side of the bridge, on the west side of the watercourse, between the 15th tee and fairway. It is an area approximately 10' x 20' and is out of play. With the exception of side trimming for "bridge maintenance" this area is to be left undisturbed.

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- 15J. (Section 5) - This Section is located just south of Section 15I and is approximately 130' x 35' with mixed Mangroves ranging from 4' to 6'. No trimming is required now, however, alterations will be required to maintain these Mangroves between 7' to 9'.
- 15K. (Section 6) - This Section is located just west of Section 5 to the edge of the 15th fairway approximately 130' x 35' with sporadic White Mangroves at 3' to 5' in height. There is no trimming required now. However, alterations will be required in the future to maintain the Mangroves between 7' and 9'.
- 15L. This Section is to the south of Section 5 directly west of the 15th tee. It is far enough to the south and out of play. It is approximately 200' x 50' with sporadic White Mangroves. No alterations are proposed in this location.
- 15M. This Section is on the left side of the 15th fairway and is approximately 120' x 40' at the south end. It contains a mixture of mostly White, Black and Red Mangroves. There are no alterations planned for this area.
- 15N. This area is on the north end of the 15th fairway just left of the bridge to the green. It contains mainly White Mangroves in an area of 30' x 25'. There are no alterations proposed for this location with the exception of some possible future side branch trimming to keep the bridge free of obstacles.
- 15O. This Section is along the opposite end of the bridge from Section 15N and also contains White Mangroves in an area of 140' x 25'. There are no alterations proposed here either, with the exception of minor side branch trimming to keep the bridge free of obstacles.
- 15P. This Section is further west than Section 15N and is approximately 110' x 40'. There are no alterations proposed in this area.
- 15Q. (Section 8) - This Section is adjacent to the 15th green in an area approximately 110' x 15' directly in the line of play. There are a few sporadic Mangroves in this area (White - 1' to 3'). There is no trimming required now, however, these will need to be maintained between 5' and 6' due to interference with play.

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15R. (Section 9) - This Section is directly across the watercourse from Section 8 adjacent to the 15th fairway. It contains a few White Mangroves in an area of 110' x 25' currently at a height of 1' to 3'. These will not require trimming now but will need to be maintained between 5' and 6'.

15S - 15T. These areas are located east of Hole #15 on opposite sides of the watercourse cutting in front of #15 green. The areas are approximately 300' x 160' and contain mixed Mangroves. No alterations are proposed in either of these areas.

Second Rotary A - (Section 10)

This area is along the entrance road adjacent to the estuary. This is the largest salt water body on the property and is a very important viewing area for residents and visitors. We are proposing alternating under and over pruning within an area of 160' x 10' for "sight windows". The alternating trimming would reduce the impact of the Mangroves and leave a natural appearance. The Mangroves not trimmed now will be left to grow in their natural state. Please refer to the cross section and legend for details.

Second Rotary B - (Section 11)

This Section is located just west of Section 10 in a higher marsh. There has been no Mangrove growth at this time. This area is to remain unaltered.

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**Proposed Mangrove Trimming
at Grand Harbor
Legend for Trimming Areas**

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Sheet 1

Section	Description	To Remain Unaltered	How	During 5 years	L	X	W	Exist Height	Initial Trim Ht	Maintain Range
1 -11	A White		Yes	Yes	80	20		2-6'	4'	4-5'
2 -11	B White		No	Yes	50	15		2-3'	5'	4-5'
	-11 C White	Yes	No	No	115	20		2-4'	N/A	Natural
3 -11	D Black		No	Yes	115	18		2-3'	5'	4-5'
4 -11	E White/Black	Yes	No	No	120	40		1-7'	N/A	Natural
	-11 F White/Black	Yes	No	No	140	32		1-7'	N/A	Natural
5 -11	G White/Black		Yes	Yes	100	20		2-7'	4'	4-5'
6 -11	H White/Black		Yes	Yes	110	15		2-7'	4'	4-5'
	-11 I White/Black	Yes	No	No	750	35		2-4'	N/A	Natural
	-11 J White	Yes	No	No	750	5		2-4'	N/A	Natural
	-12 A Black/White	Yes	No	No	150	50		1-12'	N/A	Natural
7 -12	B White		Yes	Yes	70	20		3-5'	5'	4-5'
	-12 C White	Yes	No	No	170	15		3-5'	N/A	Natural
	-12 D Spartina a	Yes	No	No	100	40		1'	N/A	Natural
8 -12	E Sporadic White.		No	Yes	120	110		2-3'	4'	4-5'
	-12 F Distichlis s	Yes	No	No	200	65		N/A	N/A	Natural
	-12 G White/Black	Yes	No	No	70	60		1-4'	N/A	Natural
	13 A Mixed	Yes	No	No	200	40		2-8'	N/A	Natural
9 13	B Scattered White		No	Yes	130	10-2		2-4'	5'	4-5'
	13 C Scattered White	Yes	No	No	80	30			N/A	Natural
10 13	D White		Yes	Yes	80	70		5'	4-5'	4-5'
11 13	E Black		Yes	Yes	Single Tr			8'	6'	6-7'
12 13G	A White/Red		Yes	Yes	60	60		3-10'	6'	5-6'
	13G B White	Yes	No	No	400	30		7-8'	N/A	Natural
13 13G	C White		Yes	Yes	50	90		7'	5'	5-6'
14 13G	D White/Red		No	Yes	30	40		3-4'	6'-Natural	6'-Natural
15 13G	E White/Red		No	Yes	150	40		2-5'	5'	5-6'
	13G F White/Red	Yes	No	No	50	40		4-8'	N/A	Natural
	13G G Black/White	Yes	No	No	100	30		4-8'	N/A	Natural
	13G H White	Yes	No	No	300	100		3-12'	N/A	Natural
16 WD	A White	55%	45%	45%	120	10		5-8'	6'	6'- Natural
16	Any Reds/Blacks	Yes	No					2-4'		Natura.
17 WD	B White	55%	45%	45%	130	20		10-12'	7'	6.5'- Natural
17	Any Reds/Blacks	Yes	No					2-4'		Natura.
18 WD	C White	55%	45%	45%	150	30		4-7'	6'	6'- Natural
18	If Reds/Blacks	Yes	No					2-4'		Natura.
19 WD	D White	55%	45%	45%	175	25		4-7'	6'	6'- Natural
19	Any Reds/Blacks	Yes	No					2-4'		Natura.
WD	E Distichlis	Yes	No	No	200	50		N/A	N/A	N/A
WD	F White/Red	Yes	No	No	140	100		10-12'	N/A	Natural

Side branch trimming will be used to maintain bridges free of obstacles.
In no case will they be trimmed back more than 2 feet from bridge.

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Proposed Mangrove Trimming
at Grand Harbor
Legend for Trimming Areas

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Sheet 2

Section	Description	To Remain Unaltered	Now	During 5 years	L X W	Exist Height	Initial Trim Ht	Maintain Range
14 A	White/Black/Red	Yes	No	No	100 50	3-8'	N/A	Natural
14 B	White/Red	Yes	No	No	180 100	2-6'	N/A	Natural
14 C	White/Black/Red	Yes	No	No	50 35	2-8'	N/A	Natural
14 D	Red		No	Yes	30 10	2-4'	6'	6-7'
14 E	Scattered W & R		No	Yes	70 5	3'	5'	5'
14 F	White/Black/Red		No	Yes	100 35	2-6'	Lateral	Natural
	Any below M.H.W	Yes	No	No	100 4	2-4'	N/A	Natural
14 G	Black/White	Yes	No	No	100 50	Varies	N/A	Natural
14 H	White/Black/Red		No	Yes	70 110	2-4'	3.5'	4-5'
14 I	White	Yes	No	No	50 15	4-8'	N/A	Natural
14 J	White	Yes	No	No	130 30	3-12'	N/A	Natural
14 K	Black/White	Yes	No	No	60 10-3	3-12'	N/A	Natural
14 L	Red		No	Yes	90 100	2-4'	6'	6.5'
14 M	Black		Yes	Yes	15 trees	5-6'	5'	5-6'
14 N	White/Red		No	Yes	130 25	2-5'	5'	5-6'
14 O	White/Red		No	Yes	130 30	2-5'	5'	5-6'
14 P	Black		No	Yes	130 40	2-3'	5'	5-6'
14 Q	White/Black/Red	Yes	No	No	400 20	Varies	N/A	Natural
14 R	Scattered Black	Yes	No	No	150 70	Varies	N/A	Natural
14 S	Very Scattered	Yes	No	No	150 100	Varies	N/A	Natural
14 T	White/Black	Yes	No	No	200 130	6-10'	N/A	Natural
14 U	Sporadic White		No	Yes	250 10	1-2'	4'	4-5'
14 V	White/Red		No	Yes	200 25	4-7'	6'	6'
14 W	White		No	Yes	170 20	3-7'	6'	6'
14 X	White/Red		No	Yes	170 30	2-7'	6'	6'
14 Y	White	Yes	No	No	150 20	3-4'	N/A	Natural
14 Z	White	Yes	No	No	150 20	3-4'	N/A	Natural

Side branch trimming will be used to maintain bridges free of obstacles.
In no case will they be trimmed back more than 2 feet from bridge.

PERMIT 3 1221778 4

Sheet 17

RECEIVED
JUN 17 1968

DEP CENTRAL
DISTRICT WRP

**Proposed Mangrove Trimming
at Grand Harbor
Legend for Trimming Areas**

Sheet 3

Section	Description	To Remain Unaltered	Now	During 5 years	L X W	Exist Height	Initial Trim Ht	Maintain Range
15 A	White	Yes	No	No	350 30	6-9'	N/A	Natural
15 B	White	Yes	No	No	350 100	6-9'	N/A	Natural
15 C	White		Yes	Yes	70 10	6-11'	8'	8-10'
15 D	White		Yes	Yes	60 20	10'	7'	7-9'
15 E	White		No	Yes	120 30	3-8'	8'	8-9.5'
15 F	White		No	Yes	90 25	4'	7'	7-9'
15 G	White-mostly	Yes	No	No	90 20	5-8'	N/A	Natural
15 H	White-mostly	Yes	No	No	90 25	Varies	N/A	Natural
15 I	White	Yes	No	No	10 20	4-6'	N/A	Natural
15 J	White/Black/Red		No	Yes	130 35	4-6'	7'	7-9'
15 K	Sporadic White		No	Yes	130 35	4-6'	7'	7-9'
15 L	Sporadic White	Yes	No	No	200 50	2-6'	N/A	Natural
15 M	Sporadic Mixed	Yes	No	No	120 40	2-6'	N/A	Natural
15 N	White	Yes	No	No	30 25	Varies	N/A	Natural
15 O	White	Yes	No	No	140 25	Varies	N/A	Natural
15 P	White	Yes	No	No	110 40	Varies	N/A	Natural
15 Q	Mixed-very few		No	Yes	110 15	1-3'	5'	5-6'
15 R	Mixed-very few		No	Yes	110 25	1-3'	5'	5-6'
15 S	White-Mixed	Yes	No	No	300 170	Varies	N/A	Natural
15 T	White-Mixed	Yes	No	No	300 150	Varies	N/A	Natural
SR A	White		Yes	Yes	160 10	10-12'	See note	See note
SR B	None yet	Yes	No		160 40	0'	N/A	Natural

**** - We understand the departments concern in this area. While it is true there are no homes immediately adjacent to this area, this is a very important veiwing area to our residents. Especially those who walk the community daily. This is the largest and most accessible open saltwater body on the property. Therefore we respectfully include this area within the application. We have substantially reduced the length of shoreline to be trimmed. We wish only to create some windows through underpruning and trimming. Please refer to the cross-sections for details.

Side branch trimming will be used to maintain bridges free of obstacles.
In no case will they be trimmed back more than 2 feet from bridge.

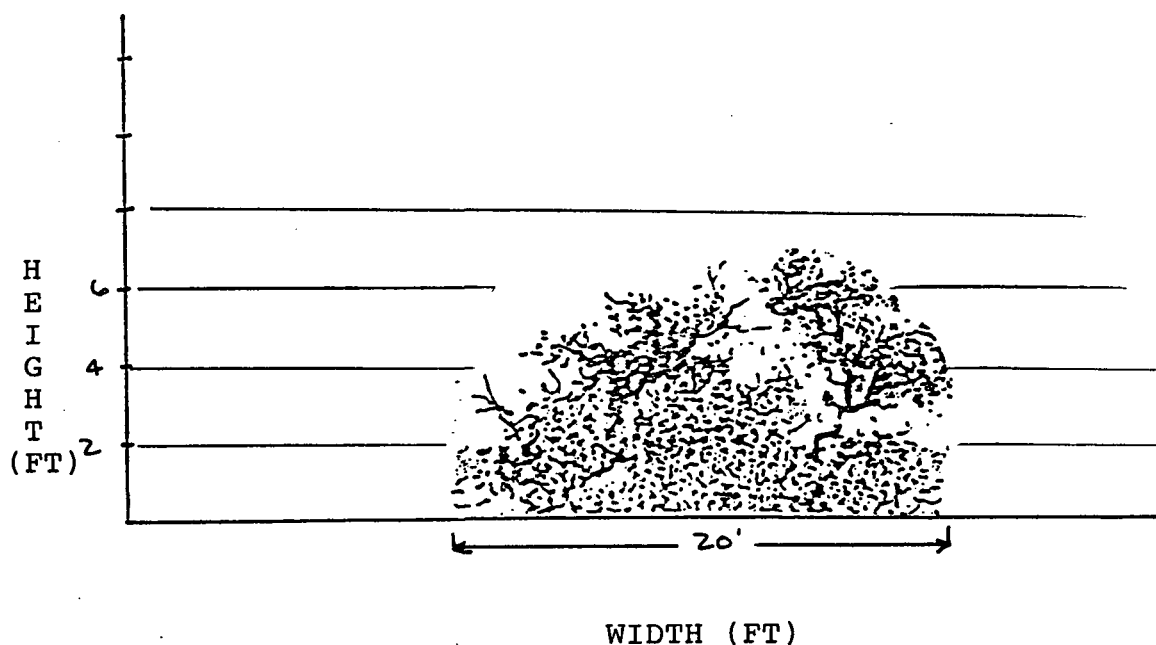
PERMIT 31221778 4

Sheet 18

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DEP CENTRAL
DISTRICT WRP



EXISTING CROSS SECTION

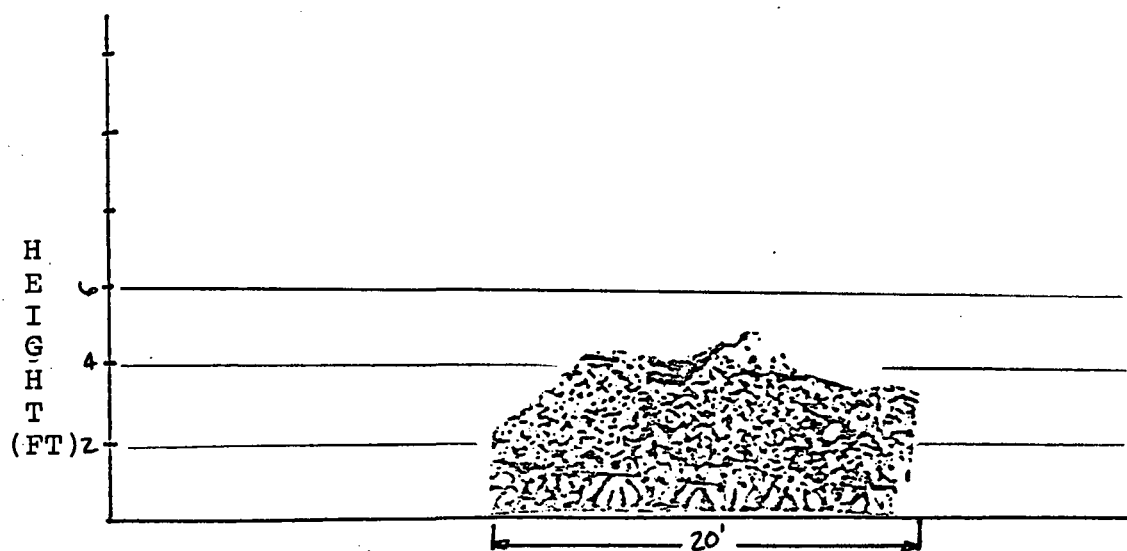
SECTION - ① - 11A

WHITE MANGROVES

80' LENGTH ; 20' WIDE

INTERFERE WITH PLAY

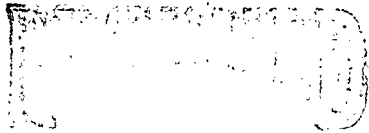
EXIST HT. - 2'-6" TRIM to 4'



PROPOSED CROSS SECTION PERMIT 31221778

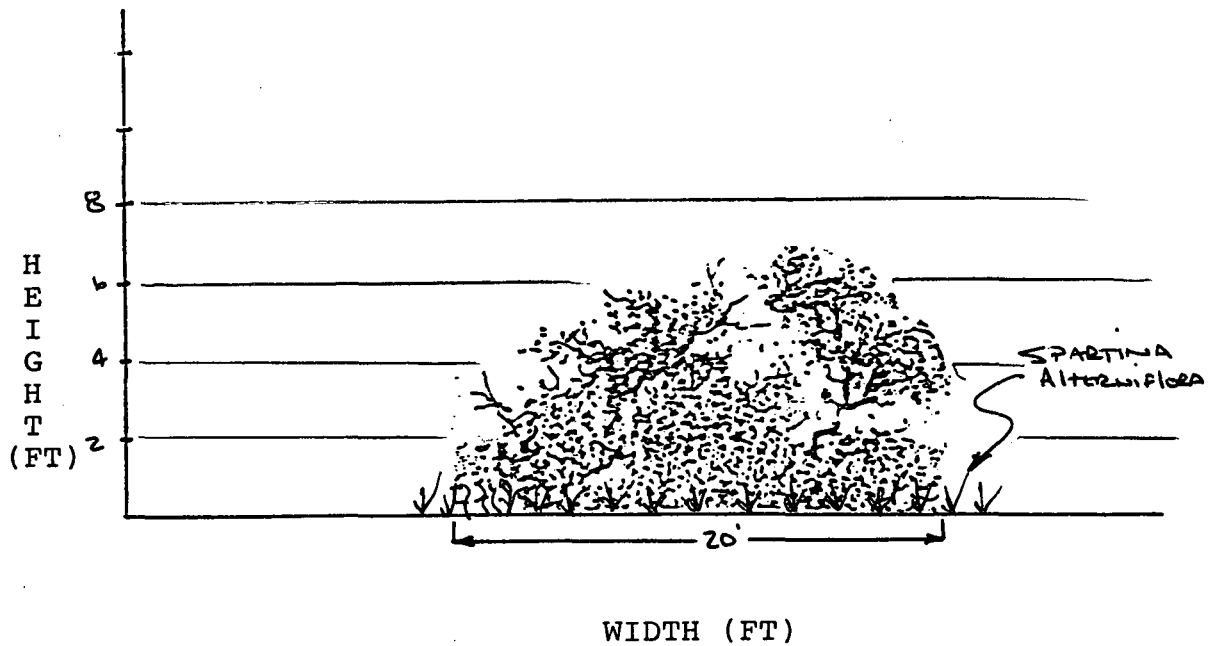
SECTION - ① - 11A

Sheet 19



APR 28 1960

CENTRAL FLORIDA
DISTRICT WRM



EXISTING CROSS SECTION

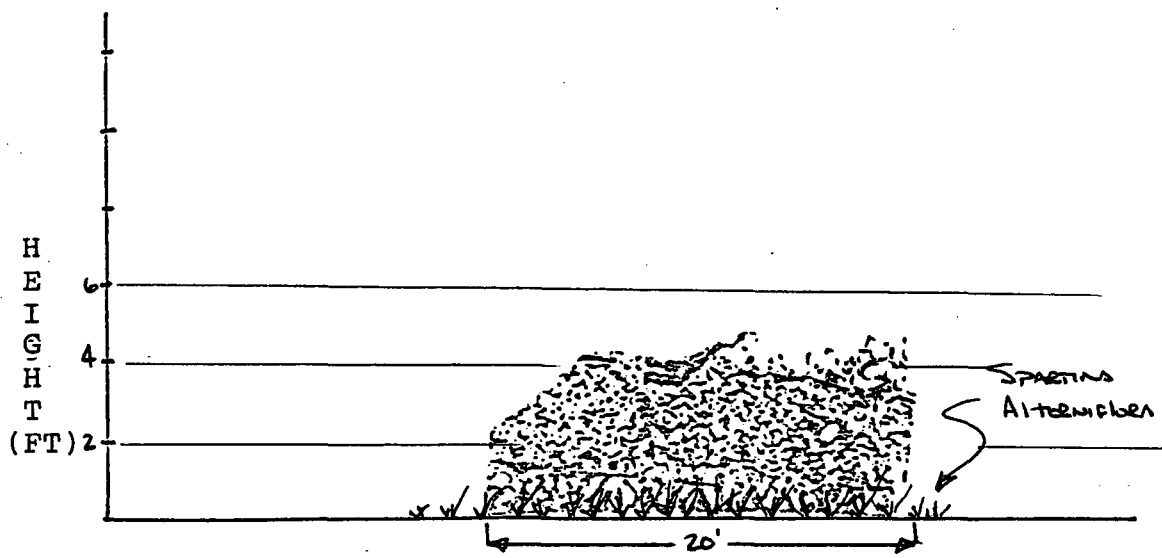
SECTION - 5-11 G

WHITE : BULK MANGROVES

100' LENGTH : 20' WIDTH

INTERARE W/ PLY

EXIST HT. - 2'-7' trim to 4'



PERMIT 31221778 4

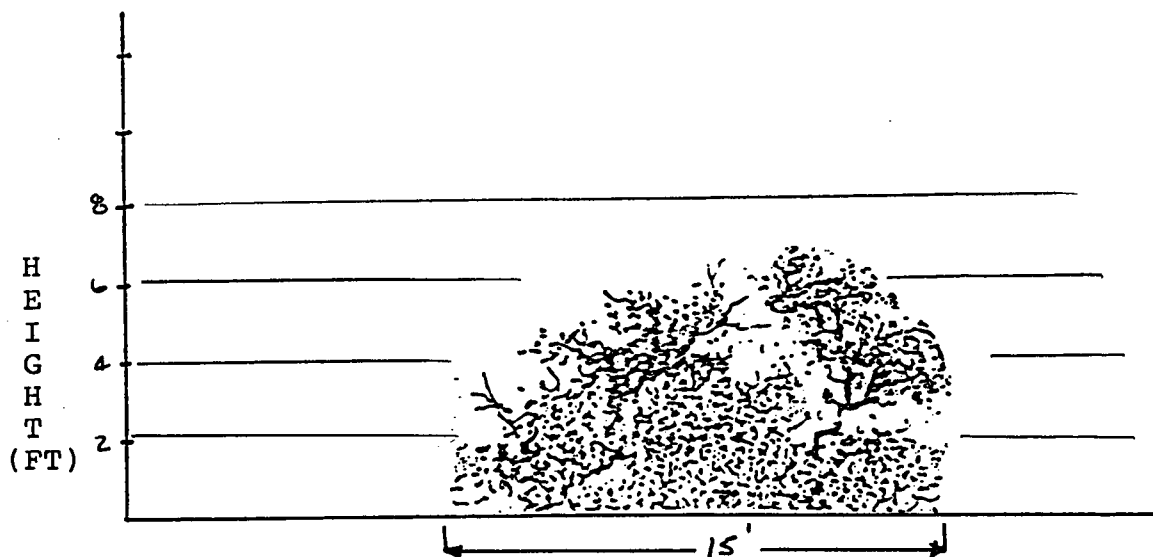
PROPOSED CROSS SECTION

SECTION - 5-11 G

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APR 26 1961

CENTRAL RECORDS
DISTRICT OFFICE



WIDTH (FT)

EXISTING CROSS SECTION

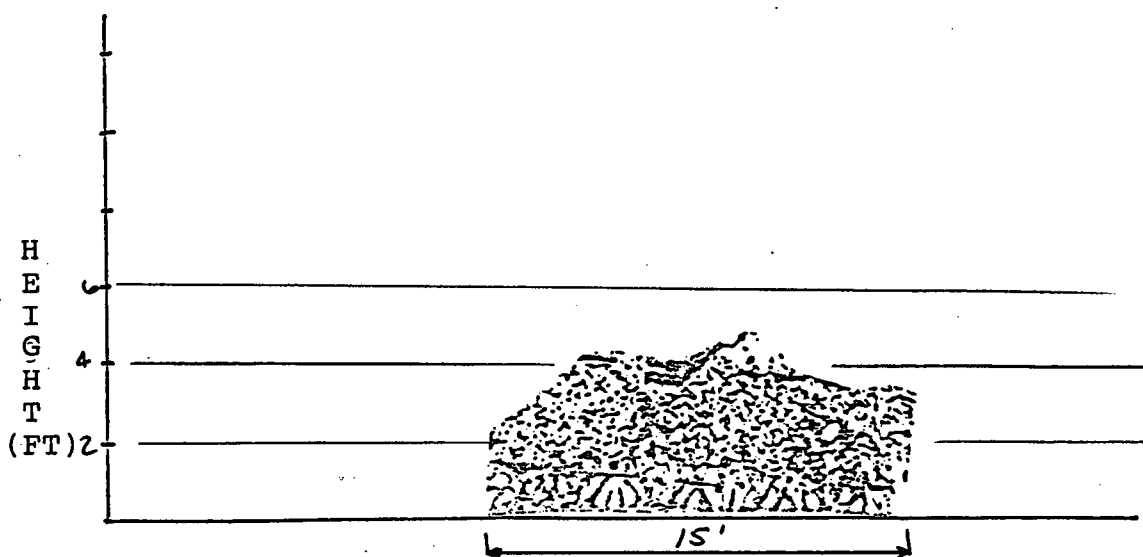
SECTION - (6) - 11 H

WHITE MANGROVE (SCATTERED BLACK)

110' L - 15' WIDTH

INTERFERENCE WITH PLAY @ 24.5'

EXISTING HT. 2'-7' + 10' to 4'



WIDTH (FT)

PERMIT 31221778 4

PROPOSED CROSS SECTION

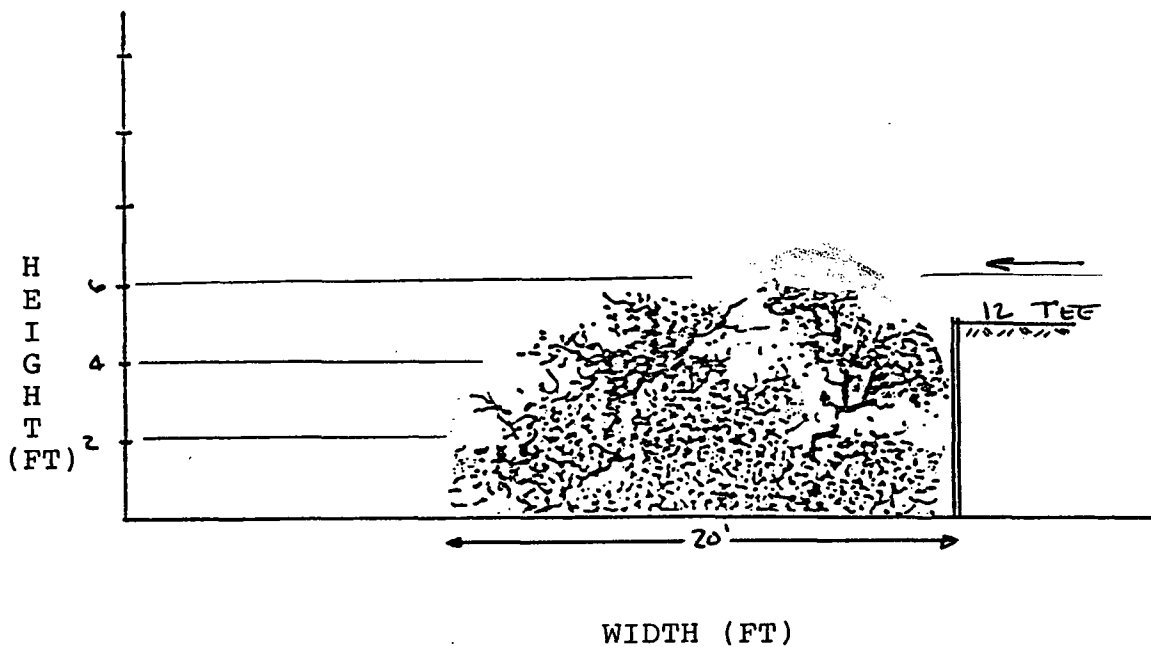
SECTION - (6) - 11 H

Sheet 21

RECEIVED

APR 24 1961

CENTRAL FLORIDA
DISTRICT COURT



EXISTING CROSS SECTION

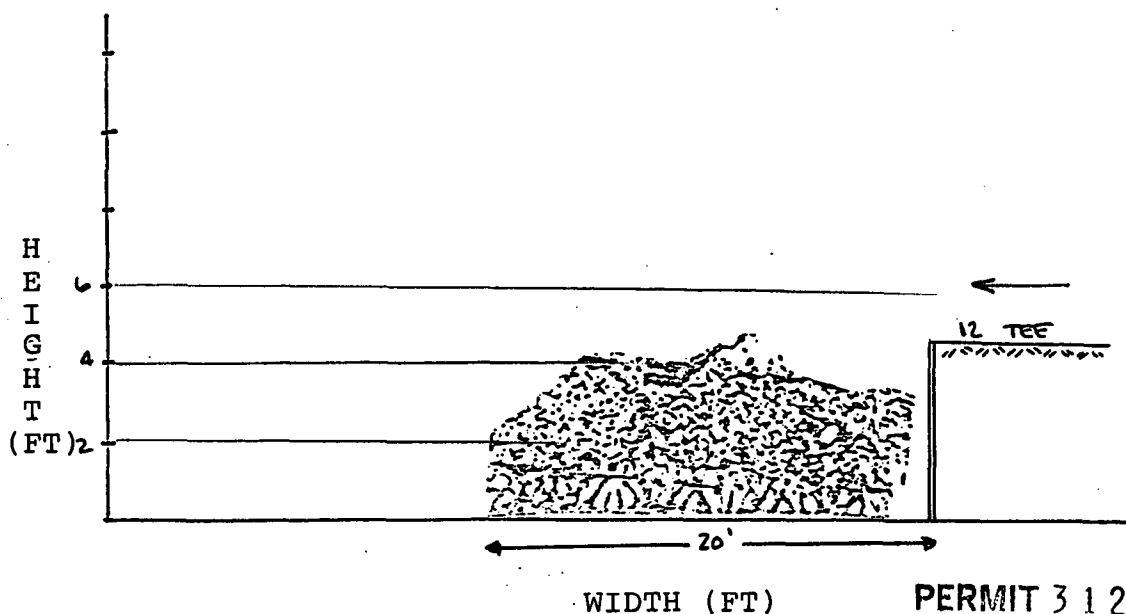
SECTION - (7) - 12 B

WHITE MANGROVE

50' LENGTH : 20' WIDTH

INTERFERES w/ PLAY

EXIST HT. 3'-5' trim to 4'-5'



PROPOSED CROSS SECTION

SECTION - (7) - 12 B

PERMIT 31221778

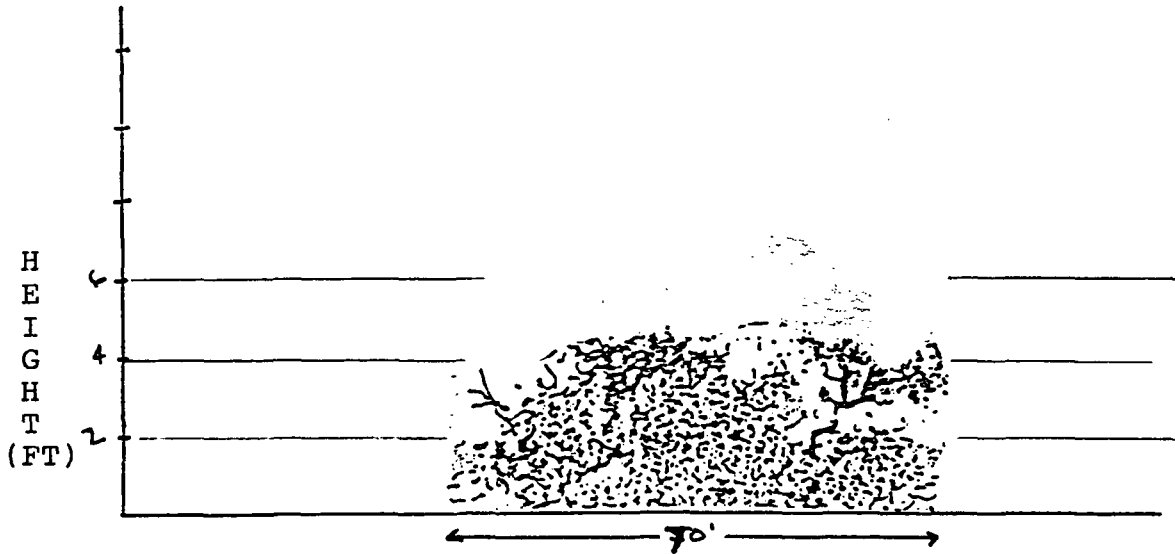
Sheet 22

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APR 20 1963

CENTRAL FLORIDA
DISTRICT WRM

R From Sheet 1



WIDTH (FT)

EXISTING CROSS SECTION

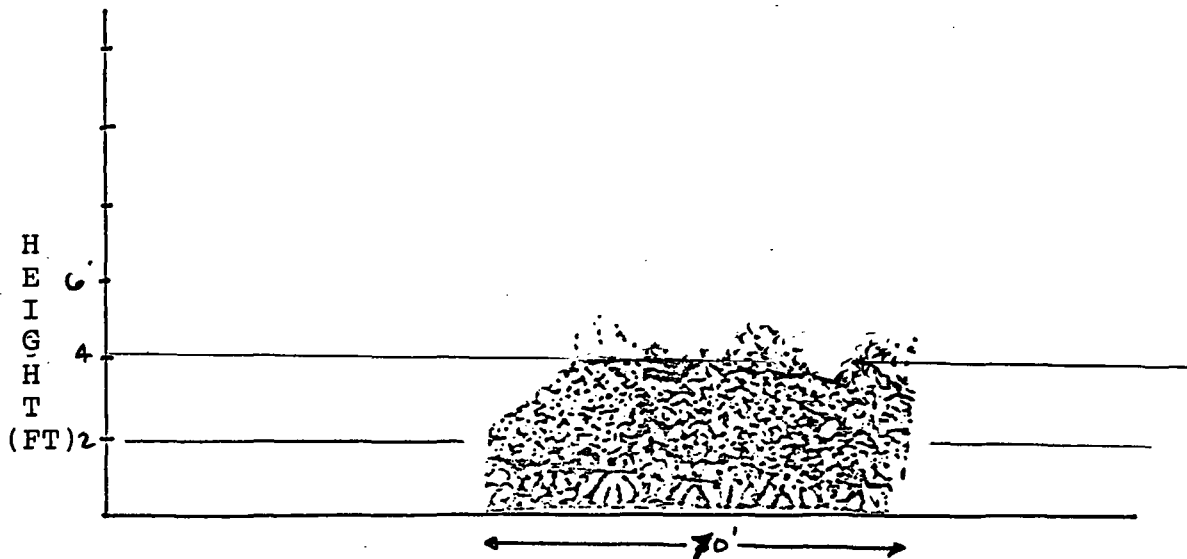
SECTION - (10) - 13 D

WHITE MANGROVES

100' LENGTH ; 30' WIDTH

INTERFERE WITH PLAY

EXIST HT. 4'-5' ; trim to 4'-5'



WIDTH (FT)

PROPOSED CROSS SECTION

SECTION - (10) - 13 D

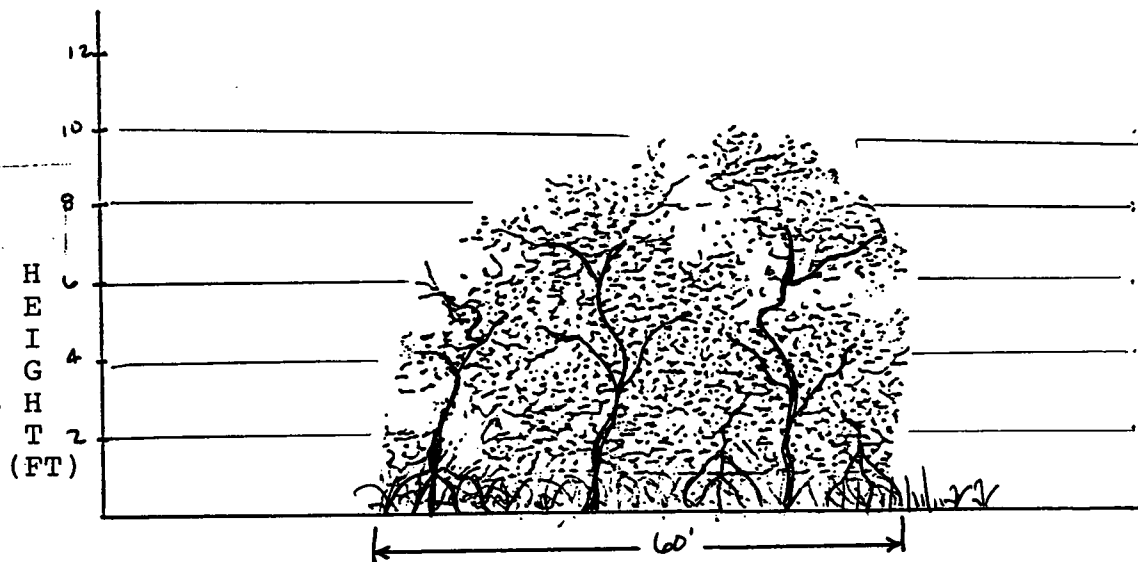
PERMIT 31221778 4

Sheet 23

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APR 26 1993

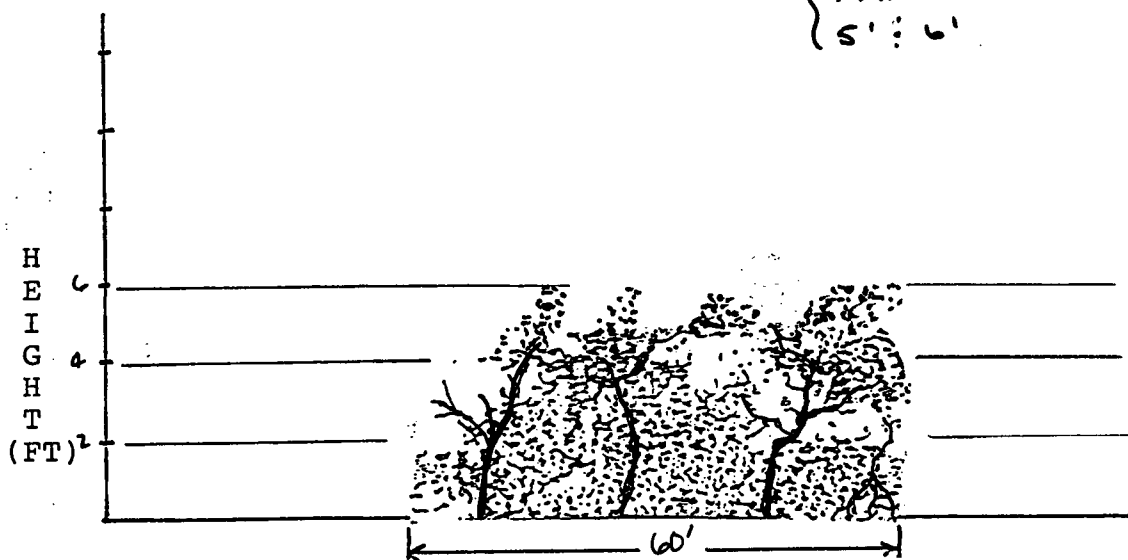
CENTRAL FLORIDA
DISTRICT WRM



WIDTH
EXISTING CROSS SECTION
SECTION - 12 - 13 (G) A

WHITE & RED MANGROVES
60' LENGTH ; 60' WIDTH
INTERFERES WITH APPROACH (PLAY)
EXISTING HT. 8'-10' (WHITE); trim to 5'-6'

{ MAINTAIN BETWEEN
5' : 6'

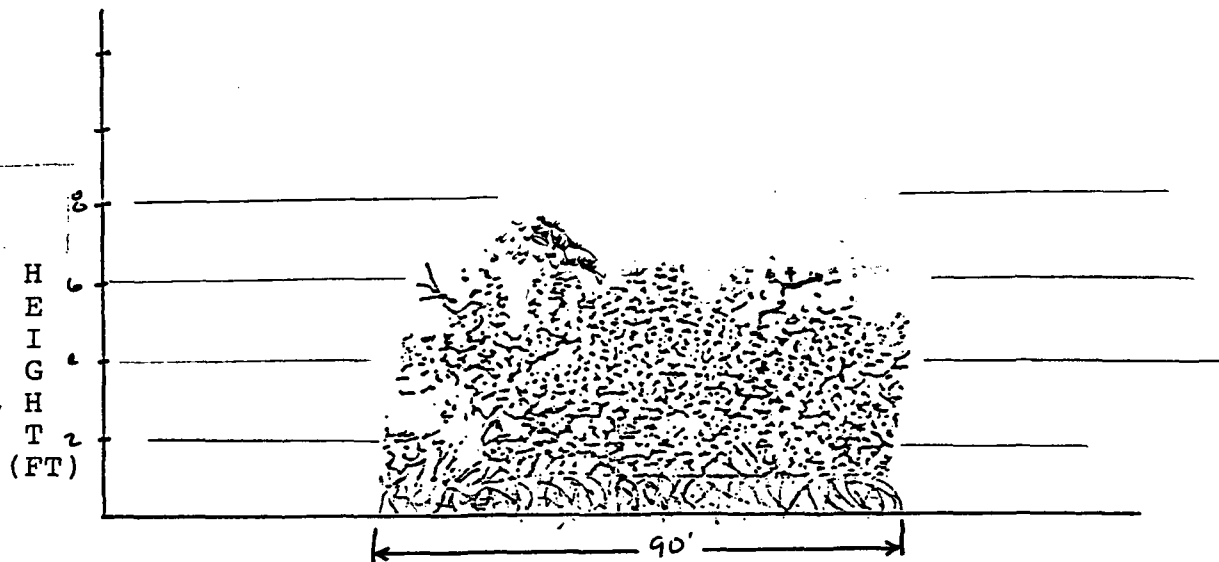


WIDTH
PROPOSED CROSS SECTION
SECTION - 12 - 13 (G) A

PERMIT 31221778 &

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APR 23 1983

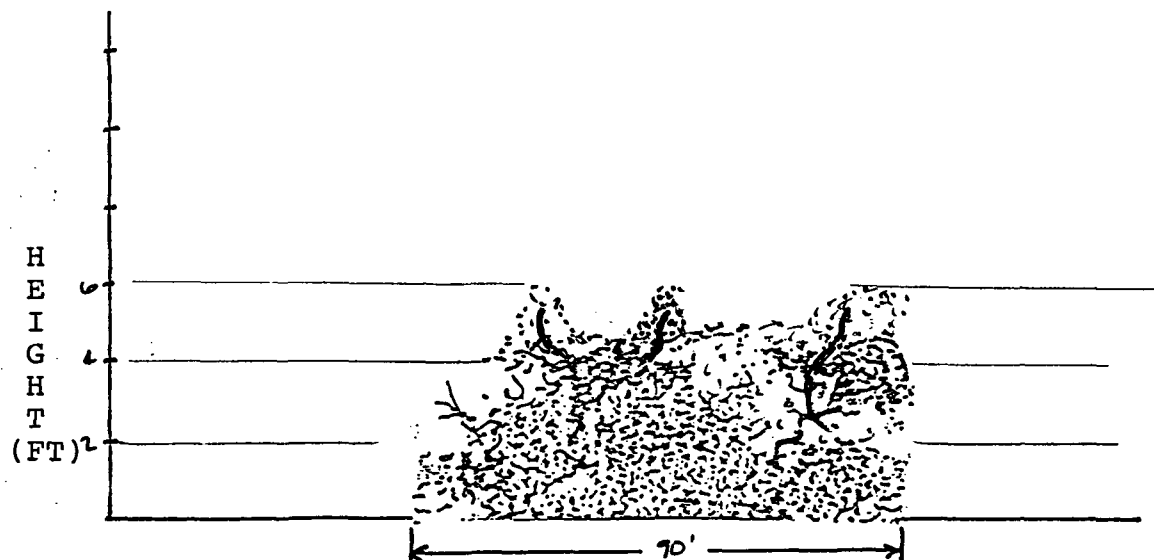
CENTRAL FLORIDA
DISTRICT WRM



WIDTH
EXISTING CROSS SECTION
SECTION - 13 - 13 (a) c

WHITE MANGROVES
50' LENGTH ; 90' WIDTH
INTERFERS WITH APPROACH (PLAY)
EXISTING HT. - 7' ± trim to 5' ±

MAINTAIN between 5'-6' HT.



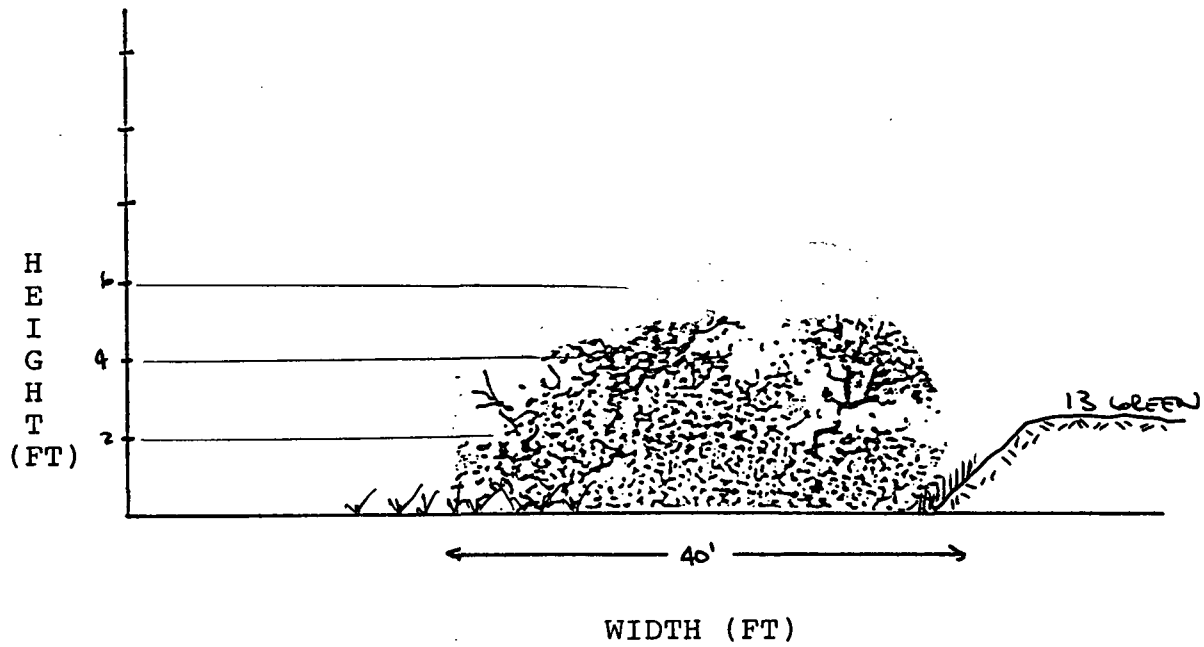
WIDTH
PROPOSED CROSS SECTION
SECTION - 13 - 13 (a) c

PERMIT 31221778

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APR 26 1993

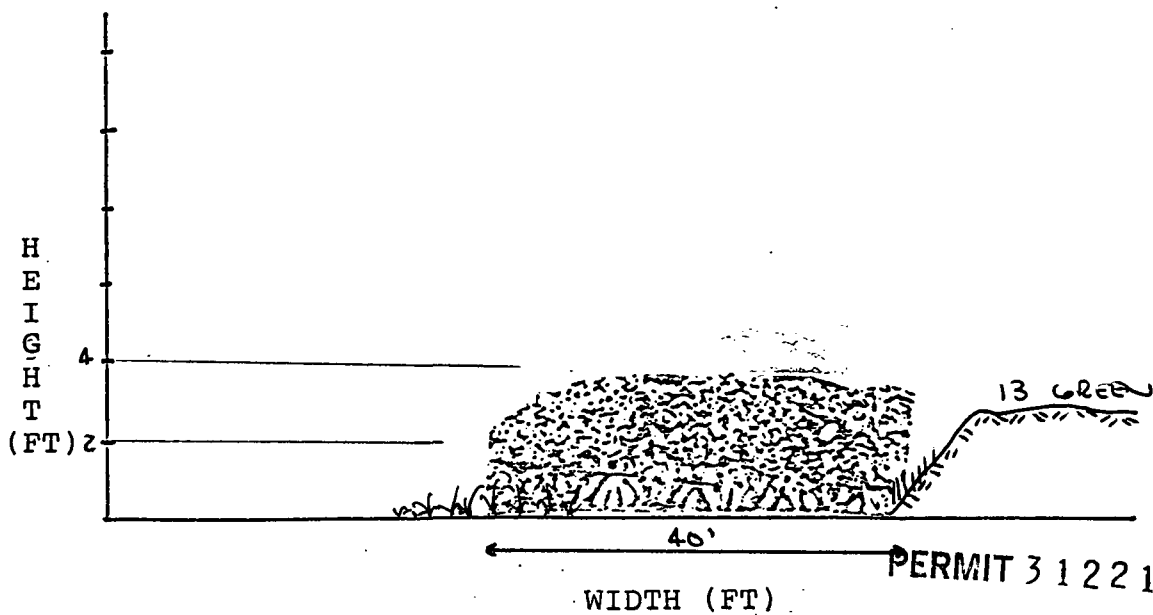
CENTRAL FLORIDA
DISTRICT WRM



EXISTING CROSS SECTION

SECTION - (15) - 13(G) E

WHITE : RED MANGROVES
 150' LENGTH : 40' WIDTH
 INTERFERES W/ APPROACH PLAY
 EXIST. HT. 2'-5' TRIM TO 4'



PROPOSED CROSS SECTION

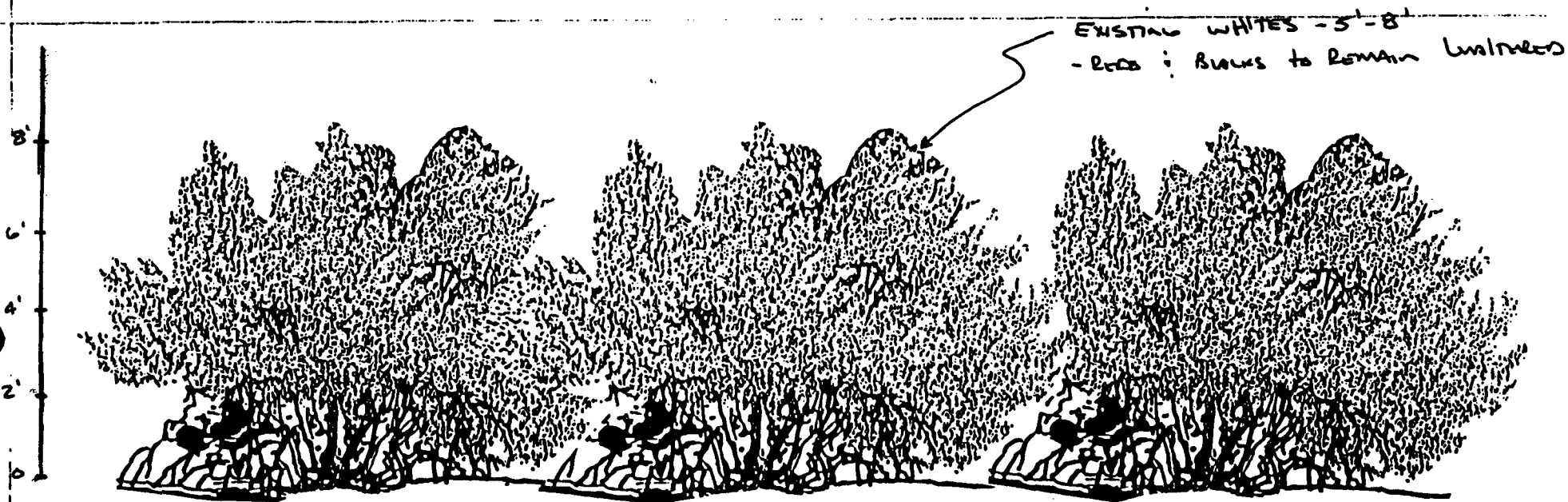
SECTION - (15) - 13(G) E

PERMIT 31221778 4

RECEIVED

APR 26 1993

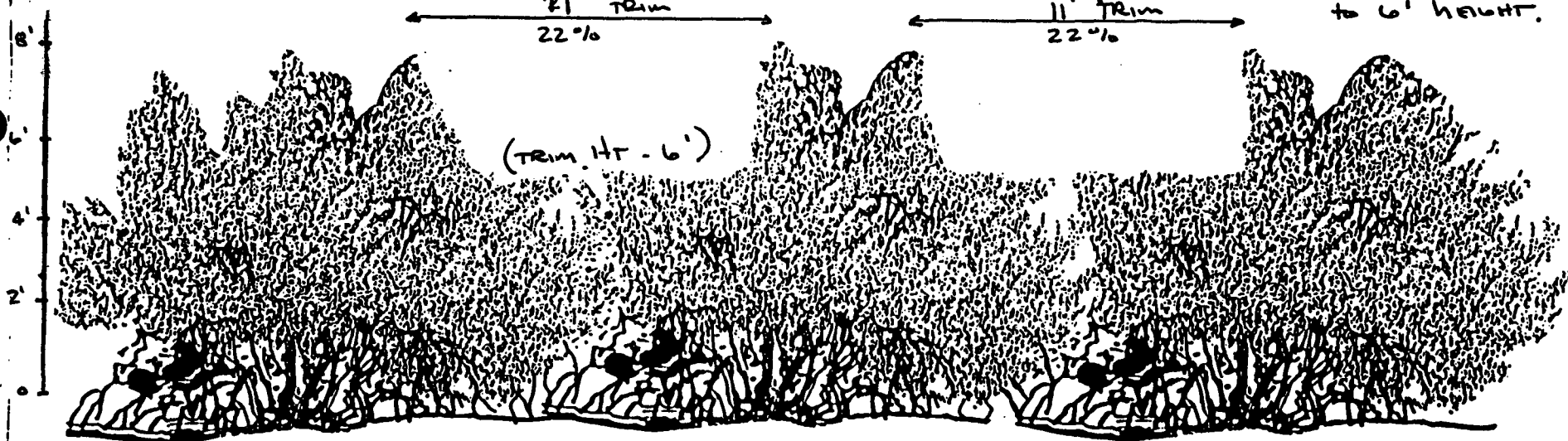
CENTRAL FLORIDA
DISTRICT WRM



typical 50' SECTION (EXISTING)
SECTION 16 WDA

21' TRIM
22% 11' TRIM
22%

MAY TRIM - 45%
to 6' HEIGHT.



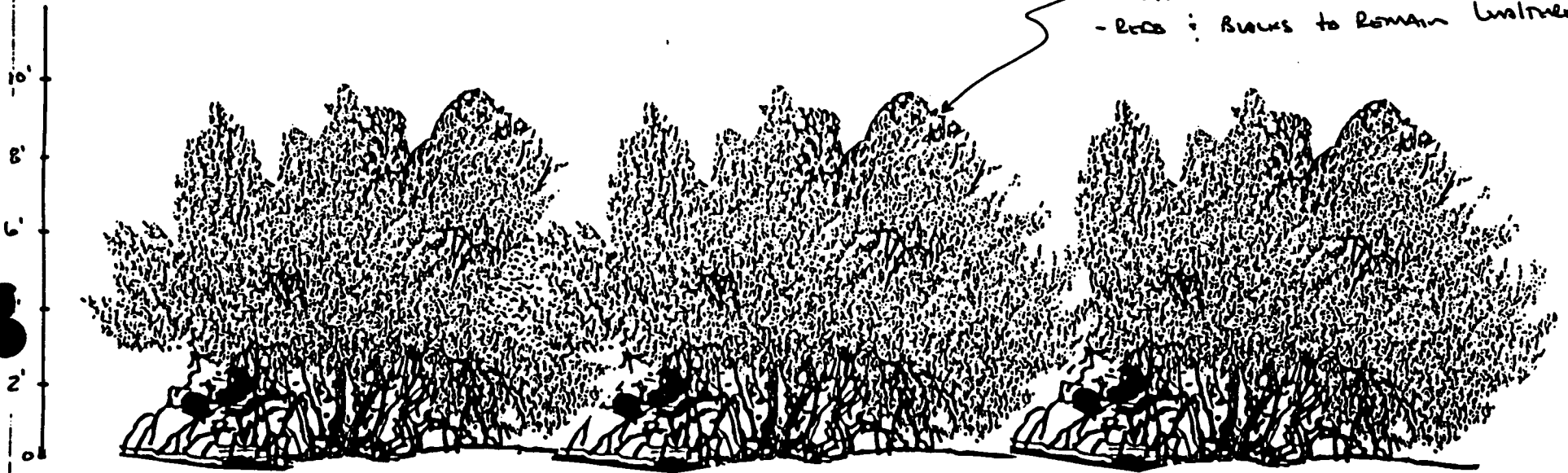
typical 50' SECTION (PROPOSED)
SECTION 16 WDA

RECEIVED

APR 26 1993

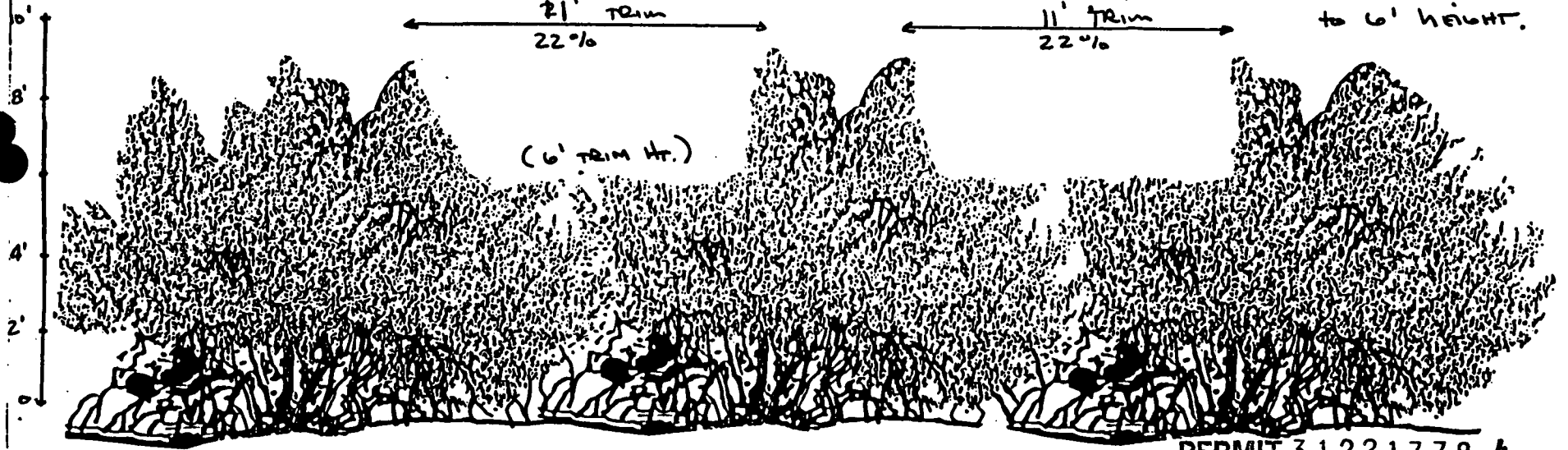
CENTRAL FLORIDA
DISTRICT WRM

EXISTING WHITES - 10' to 12'
- 2000 : Bunches to remain untrimmed



typical 50' SECTION (EXISTING)
SECTION 17 WD B

21' trim 22% 11' trim 22% MAX TRIM - 45% to 6' height.



typical 50' SECTION (PROPOSED)
SECTION 17 WD B

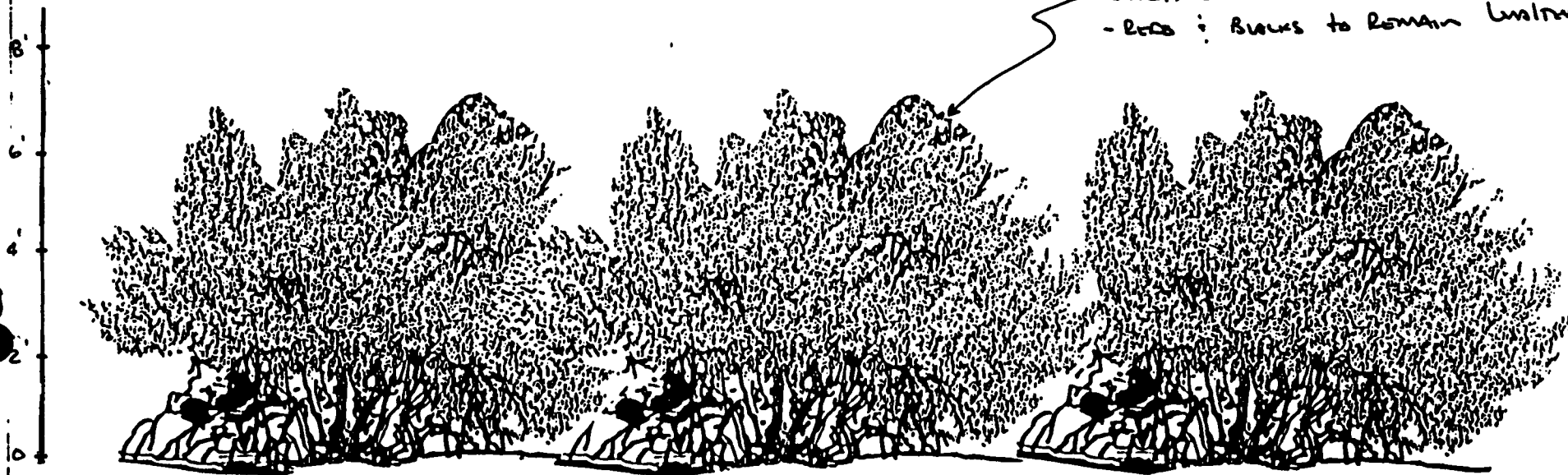
PERMIT 31221778 4

RECEIVED

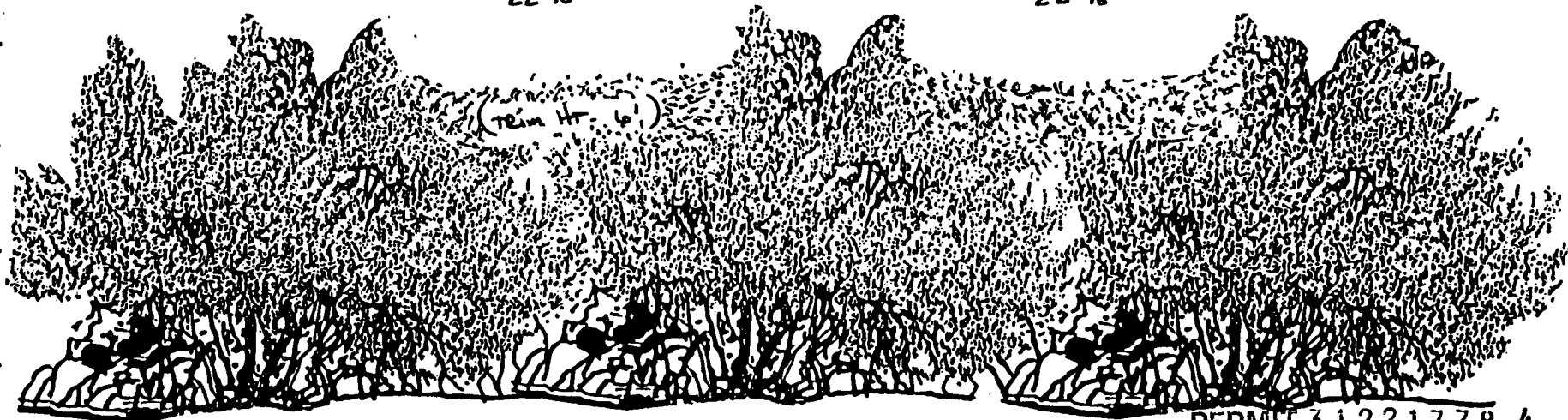
APR 26 1993

CENTRAL FLORIDA
DISTRICT WRM

EXISTING WHITES (4'-7')
- REDS : BUNKS to Remain Untrimmed



← 49' 50' SECTION (EXISTING) →
SECTION 18:19 WDC - WD D
21' trim 22% 11' trim 22% MAX TRIM - 45% to 6' height.



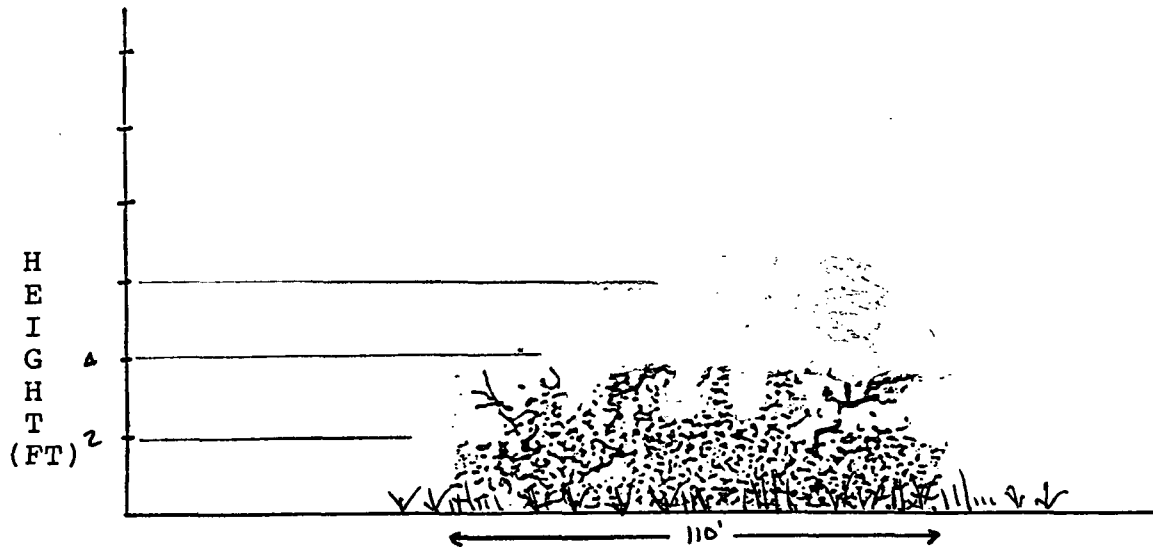
← 49' 50' SECTION (PROPOSED) →
SECTION 18:19 WDC - WD D

PERMIT 31221778 4
Sheet 30

RECEIVED

APR 26 1993

CENTRAL FLORIDA
DISTRICT WRM



WIDTH (FT)

EXISTING CROSS SECTION

SECTION - (4) - 14 H

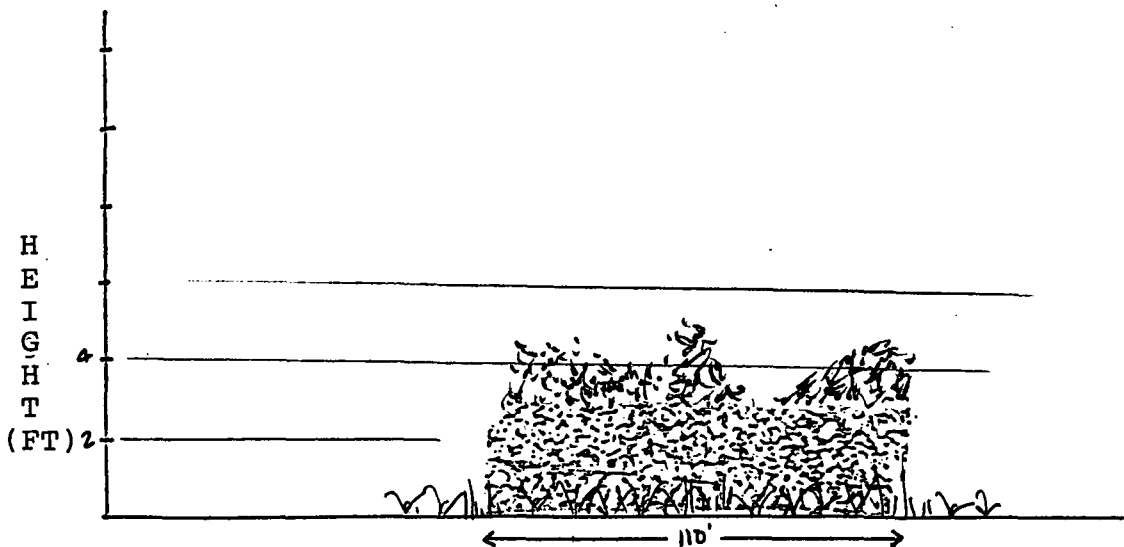
Mixed - Red, Black, White Ma.

70' length ; 110' width

INTERFERS w/ TEE SHOT / PLAY

EXIST. Ht. 2-4 ; TRIM to 4.5'

maintain between 4 to 5'



WIDTH (FT)

PERMIT 31221778 4

PROPOSED CROSS SECTION

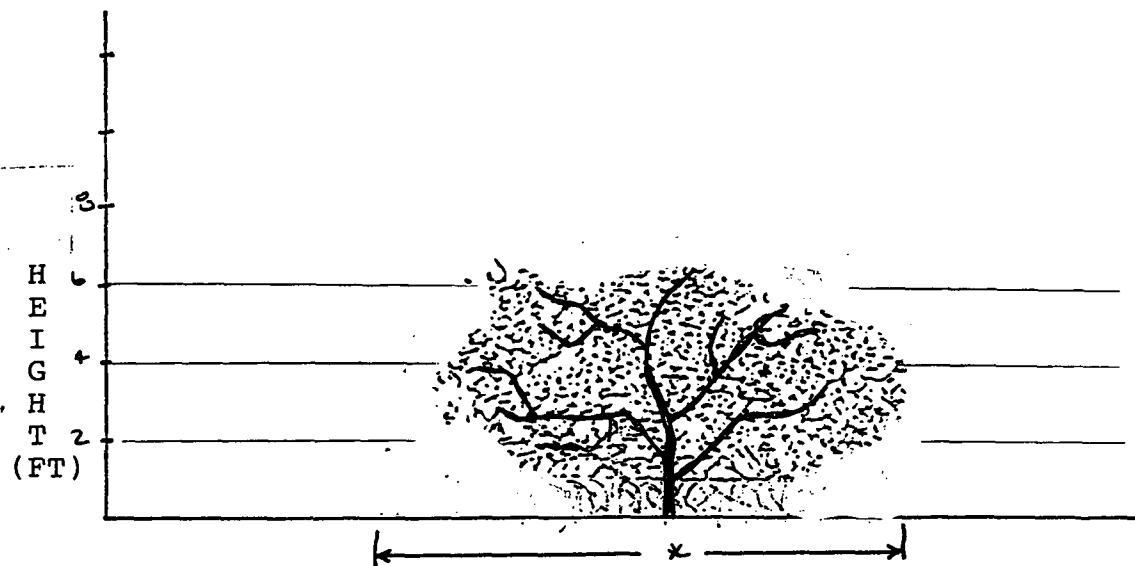
SECTION - (4) - 14 H

Sheet 31

RECEIVED

APR 23 1964

CENTRAL DISTRICT
DISTRICT 2



WIDTH
EXISTING CROSS SECTION

SECTION - (6) 14 M

* 15 INDIVIDUAL TREES NEED TO BE TRIMMED

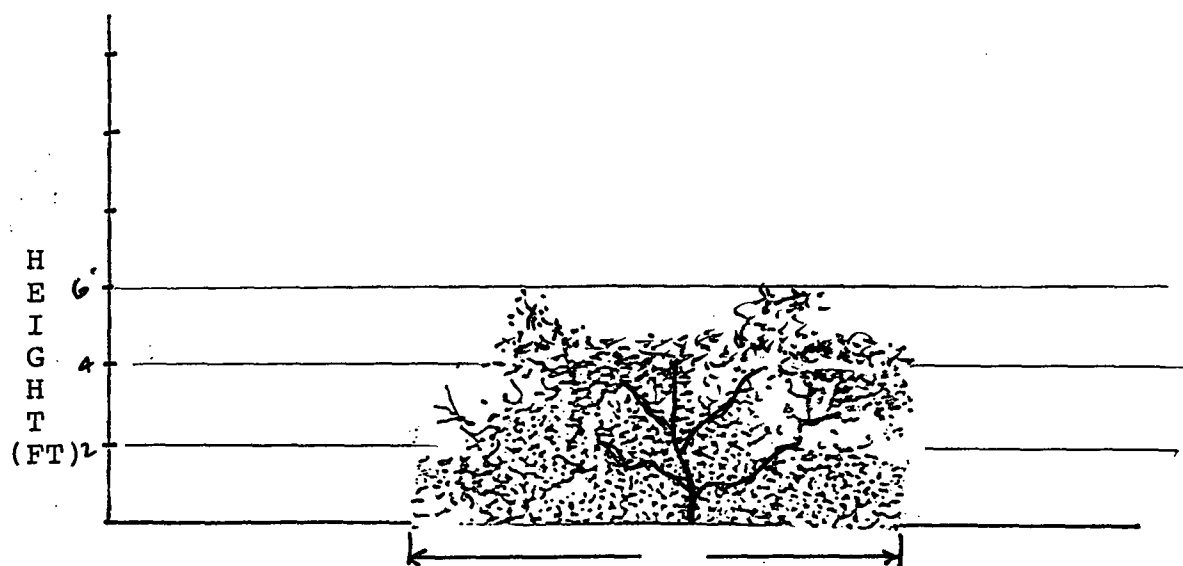
BLACK MANGROVES (15 TOTAL)

15' INDIVIDUAL MANGROVES.

INTERFERES WITH AIR

EXIST. HT. 5'-6'. TRIM TO 5'

maintain between 5'-6'



WIDTH
PROPOSED CROSS SECTION

SECTION - (6) 14-M

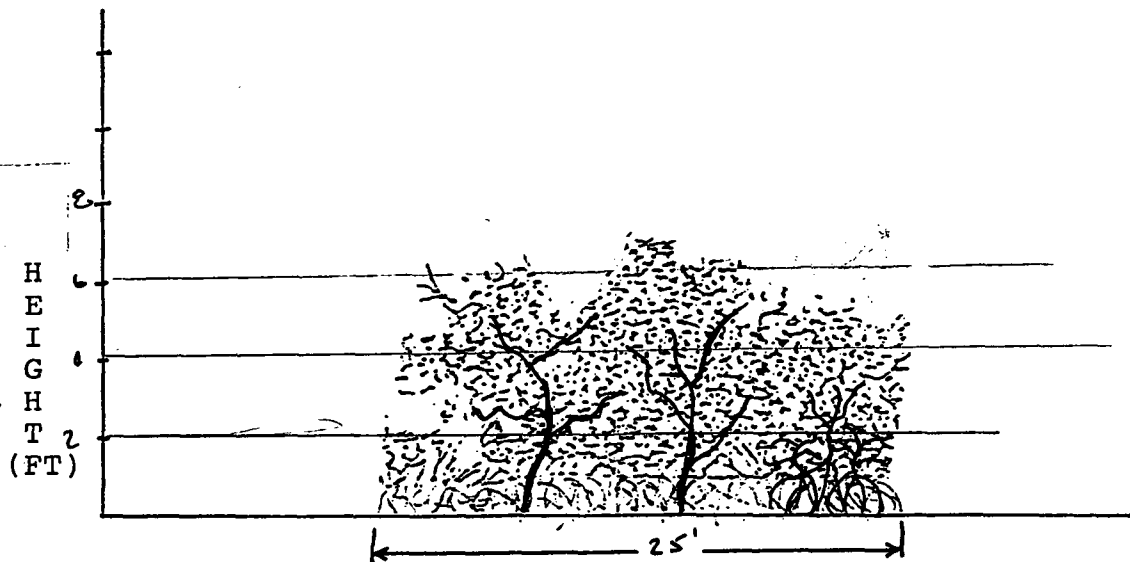
PERMIT 31221778

Sheet 32

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APR 28 1993

CENTRAL FLORIDA
DISTRICT WRM



WIDTH
EXISTING CROSS SECTION
SECTION - (12) - 14 V

WHITE : RED MANGROVES
200' LENGTH ; 25' WIDTH
INTERFERES w/ APPROACH / PLAY
EXISTING HT. 4'-7' TRIM TO 6'



WIDTH
PROPOSED CROSS SECTION
SECTION - (12) - 14 V

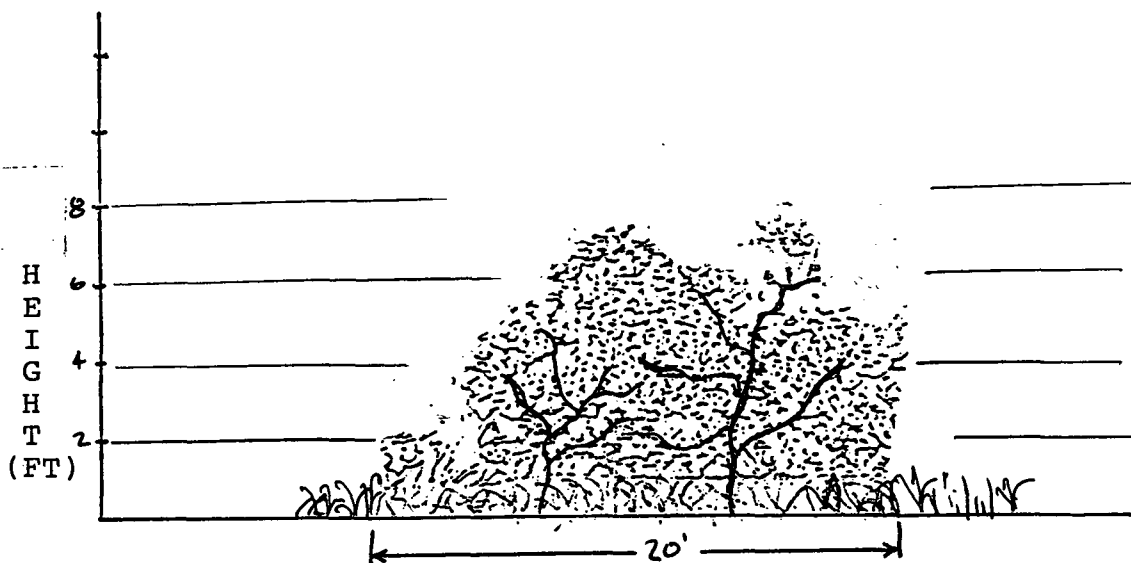
PERMIT 31221778 4

Sheet 33

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APR 26 1993

CENTRAL FLORIDA
DISTRICT WRM



WIDTH
EXISTING CROSS SECTION
SECTION - (13) - 14W

WHITE MANGROVES
170' LENGTH ; 20' WIDTH
INTERFERED w/ APPROACH / PLAY
EXIST. HT. 3'-7' TRIM TO 6'



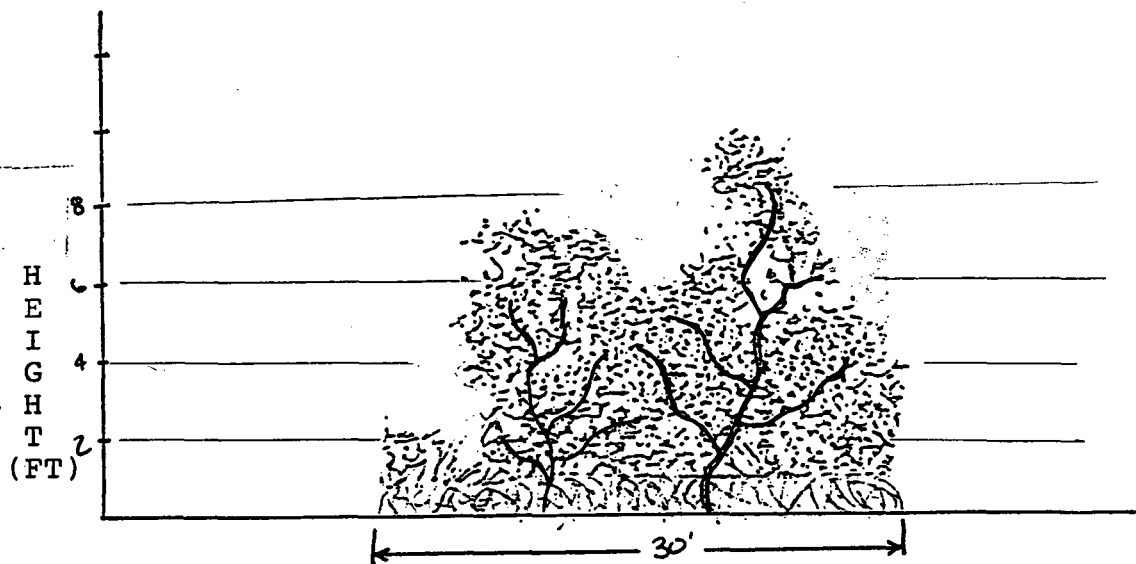
WIDTH
PROPOSED CROSS SECTION
SECTION - (13) - 14W

PERMIT 31221778

RECEIVED

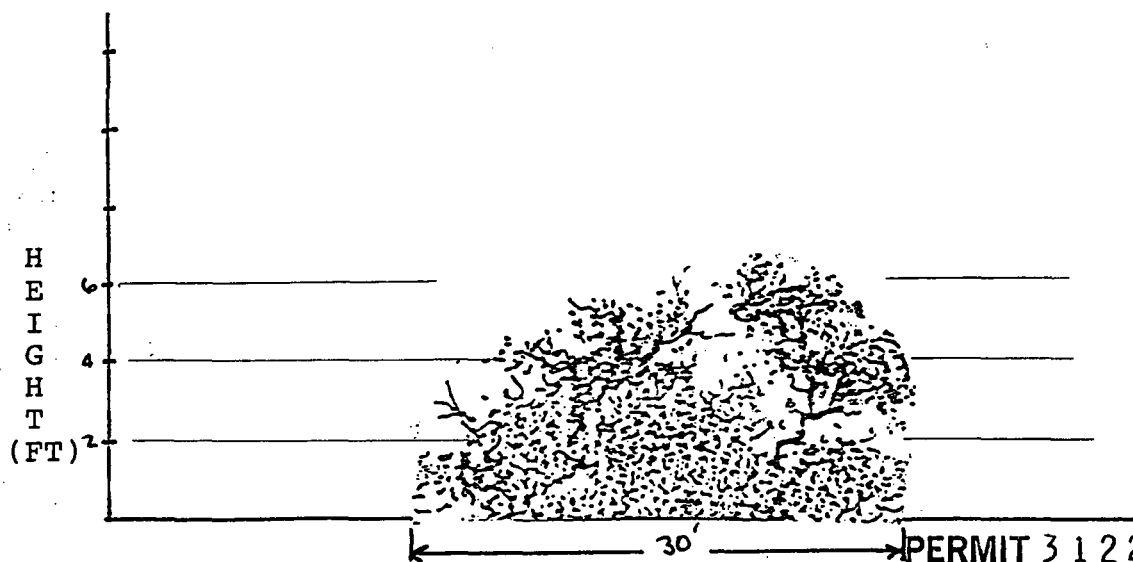
APR 26 1993

CENTRAL FLORIDA
DISTRICT WRM



WIDTH
EXISTING CROSS SECTION
SECTION - (14) 14 x

WHITE MANGROVES / RED MANGROVES
170' LENGTH : 30' WIDTH
INTERLACES WITH APPROACH / PLAY
EXIST. HT. 2'-7' TRIM TO 6'



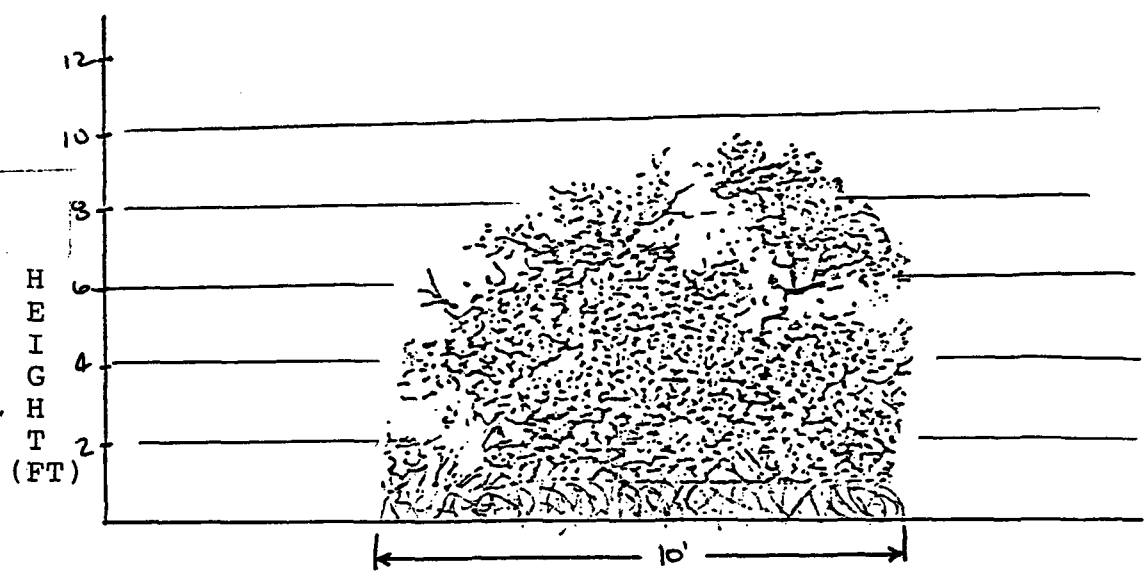
WIDTH
PROPOSED CROSS SECTION
SECTION - (14) 14 x

PERMIT 31221778

RECEIVED

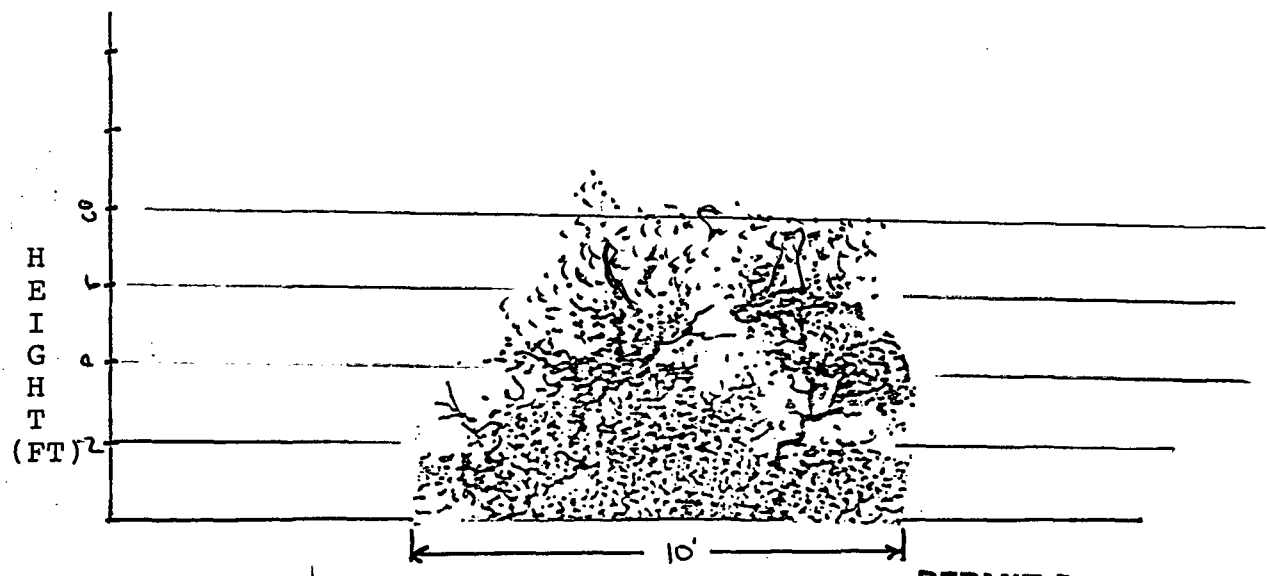
MAR 26 1993

CENTRAL FLORIDA
DISTRICT WRM



WIDTH
EXISTING CROSS SECTION
SECTION - ①-15c

WHITE MANGROVES
70' LENGTH ; 10' WIDTH
BLOCKS TEE SHOT / PLAY
EXIST HT. 6'-11' TRIM TO 8'-10'



WIDTH
PROPOSED CROSS SECTION
SECTION - ①-15c

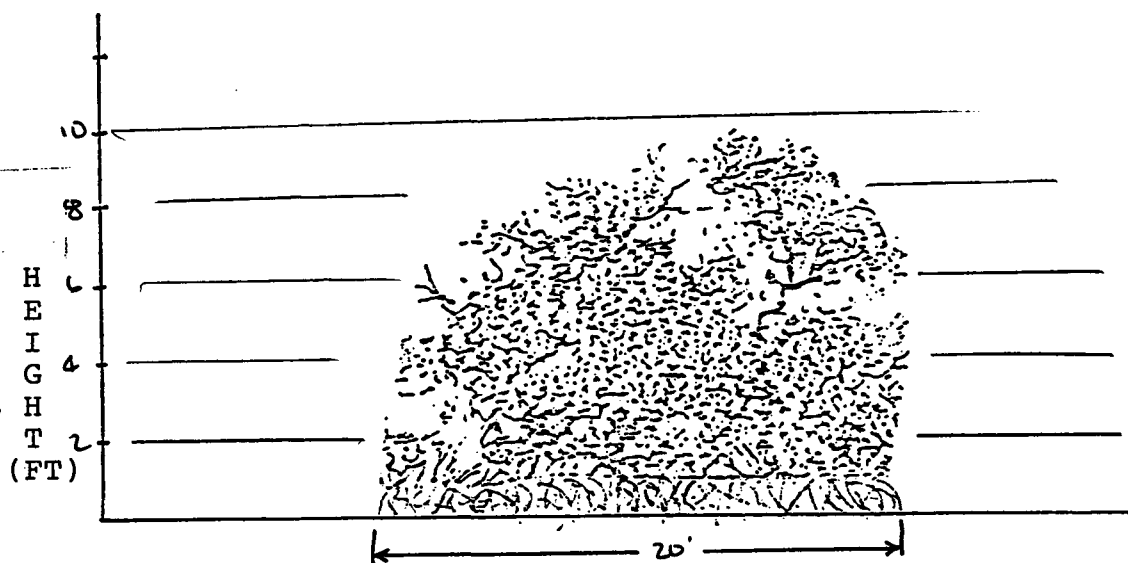
PERMIT 31221778 4

Shurt 36

RECEIVED

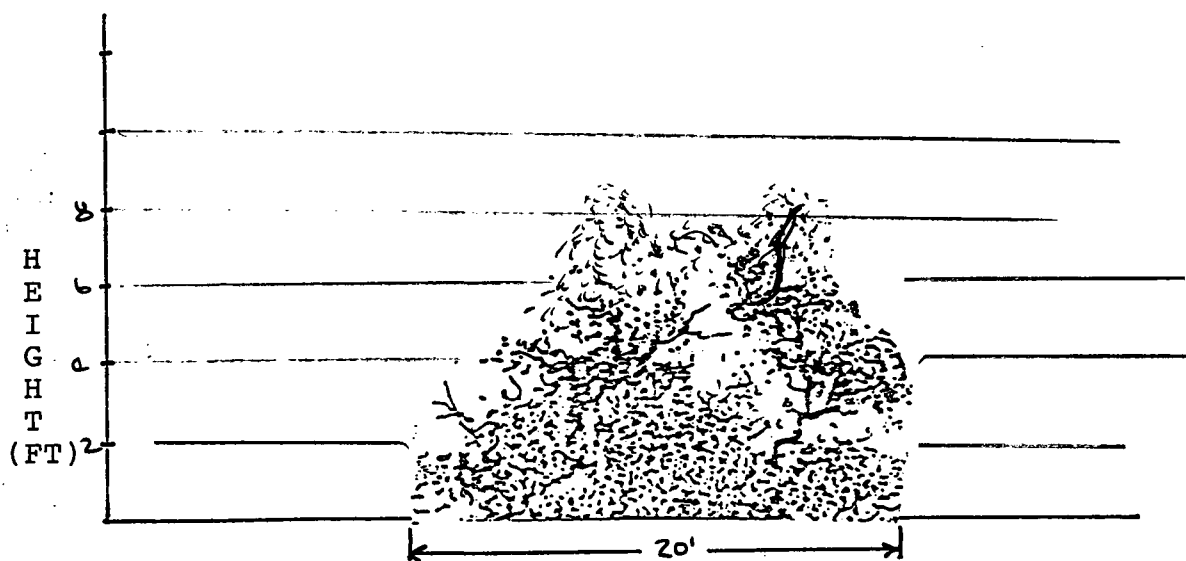
APR 21 1895

CENTRAL DISTRICT
DISTRICT CLERK



WIDTH
EXISTING CROSS SECTION
SECTION - (2) - 15 D

WHITE MANGROVES
60' LENGTH ; 20' WIDTH
BLOCKS TEE SHOT / PLAY
EXISTING HT. 10' TRIM TO 7'-9'



WIDTH
PROPOSED CROSS SECTION
SECTION - (2) - 15 D

PERMIT 31221778 4

Sheet 37

RECEIVED

APR 23 1967

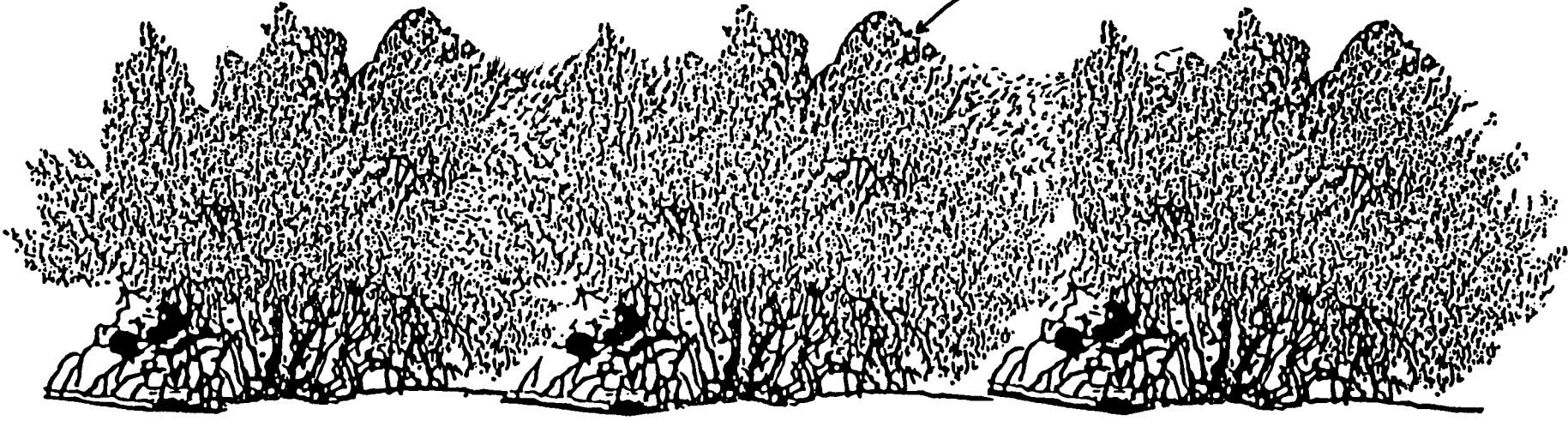
CENTRAL FLORIDA
DISTRICT 1111

10' - 12'

EXISTING WHITES

- Rows : Rows to Remain Unaltered

12
9
6
3
0



typical 50' SECTION (EXISTING)

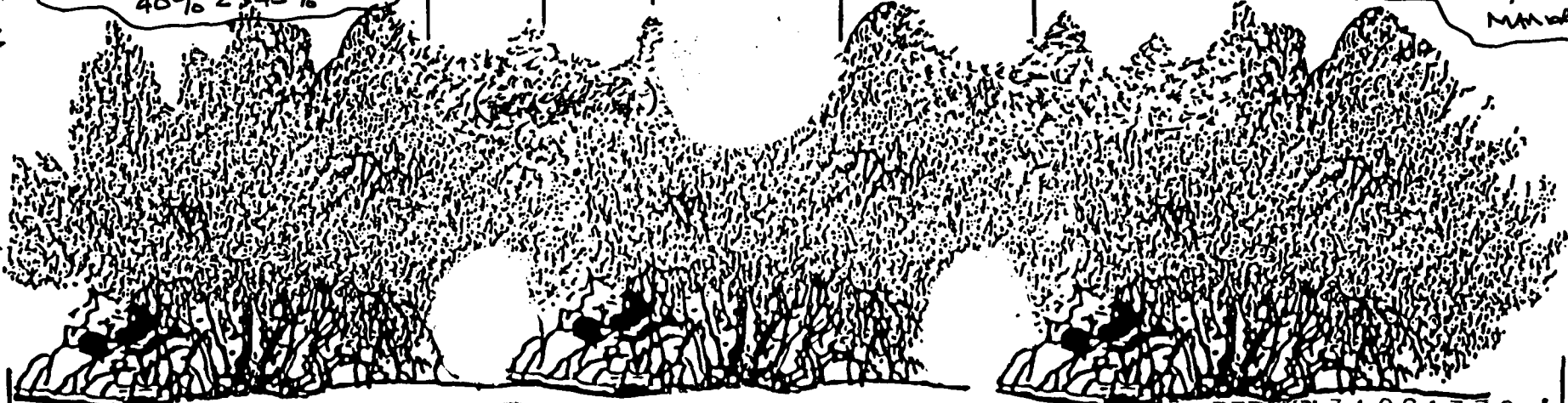
SECTION 10 SECOND ROWAY A

TOTAL PROPOSED TRIM
% = $10' + 5' + 5' = 20' = 40\%$
 $40\% < 45\%$

5' (10%) UNALTERED TRIM AREA UNALTERED 5' (10%) UNALTERED

MAX TRIM - 45%
= 22.5' TRIM / 50' of MAX TRIM

12
9
6
3
0



typical 50' SECTION (PROPOSED)

SECTION 10 SECOND ROWAY A

PERMIT 31221778 4

Sheet 38

REVISION
12/11/93

Attachment 7

FDEP Permit No. 31-268455-4



Department of Environmental Protection

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

Notification of Use of General Permit

Grand Harbor
c/o Ron Andrews
5110 Indian River Boulevard
Vero Beach, Florida 32967

Indian River County - ERP
File No.: 31-268455-4

Dear Mr. Andrews:

In response to your request, this letter is to advise you that the Department has received your notice of intent to use a general permit as provided in Rule 403.9327, Florida Statutes to trim mangroves taller than 10 feet in height and/or within a fringe wider than 75 feet to the nearest open waterway (channel, ditch, canal). This general permit authorizes trimming of mangroves pursuant to 403.9327 (1), (a), Florida Administrative Code to occur within the following areas:

- Sheet 1 - Area F;
- Sheet 2 - Areas B, E, J, K1, R;
- Sheet 3 - Areas C, E;
- Sheet 4 - Areas A, B;
- Sheet 5 - Area C;
- Sheet 6 - Area C; and
- Sheet 7 - Area B.

The project is located at Grand Harbor in Sections 13, 24, Township 32 South, Range 39 East in Indian River County. The Department does not object to your use of such general permit. Please be advised that you are required to abide by all conditions in Rule 62-4.510 through 62-4.540, Florida Administrative Code, the general requirements for general permits; and Rule 403.9327, Florida Statutes.

A copy of your application also has been sent to the Army Corps of Engineers (USACOE) for review since a permit may be required by the Corps. Failure to obtain such authorization prior to construction could subject you to enforcement action by that agency.



Department of Environmental Protection

Copy

Lawton Chiles
Governor

Copy 15 used

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

Notification of Exemption

October 27, 1995

Grand Harbor
c/o Ron Andrews
5110 Indian River Boulevard
Vero Beach, Florida 32967

Indian River County - ERP
File No.: 31-268455-4

Dear Mr. Andrews:

This is to acknowledge receipt of your application, File No. 31-268455-4, to trim mangroves under 10 feet in height to a minimum of 6 feet in height within the riparian mangrove fringe (RMF) pursuant to 403.9326 (1), (a), 1., 2., Florida Administrative Code in the following areas:

- Sheet 1 - Areas A, B, C, H, and I;
- Sheet 2 - Areas C, F, K, M, O, P;
- Sheet 3 - Areas A, B, J, H;
- Sheet 5 - Areas D, E, F;
- Sheet 6 - Areas A, B, D, F; and
- Sheet 7 - Area A.

The project is located at Grand Harbor in Section 13, 24, Township 32 South, Range 39 East in Indian River County. Based upon the forms, drawings, and documents submitted on October 17, 1995, the above mentioned portions of the proposed project appears to qualify as an activity which is exempt from the need for a Department Wetland Resource permit under Rule 403.9326, Florida Statutes. A copy of the applicable language for this exemption is attached. This determination is based solely on the information provided the Department and the statutes and rules in effect when the application was submitted.

Please see the copy of the exemption attached to this letter, and note that all specific conditions in the rule must be complied with to qualify for this exemption.

This determination may not be valid if changes occur to the statutes and rules. In addition, any substantial modifications in your plans should be submitted to the Department for review, as changes may result in a permit being required. The determination that your activity qualifies for an exemption does not relieve you from the need to comply with all applicable water quality standards during the construction and operation of the facility.

A copy of your application also has been sent to the Army Corps of Engineers (USACOE) for review since a separate permit also may be required by the Corps. Failure to obtain this authorization prior to construction could subject you to enforcement action by that agency.

Pursuant to pages 2 and 3, Item 4 of the long term conservation easement the Department, as Grantee in this conservation easement, hereby gives you written consent to perform the mangrove trimming activities solely within those areas (mentioned above) which are located in the Grand Harbor conservation easement.

If you have any questions, please contact Tamy Weingarden Dabu at 407/894-7555. When referring to this project, please use the file number listed above.

Sincerely,

George Gionis

George Gionis
Environmental Program Administrator
Submerged Lands and Environmental
Resource Permitting

Date: 10-27-95

twj
GG/twd/bm

Attachments

cc: FDEP - Janet Llewellyn (with attachments) -
Corps of Engineers
Indian River County Environmental
FDEP - Melbourne

MISS FERRELL 567-1496
Vero Beach
Jacksonville

TALKED TO *LOCALS* *DEBOTS*
& *CARRY*
LINDA FERRELL
CORPS

BOTH VERBALLY
OKAYED

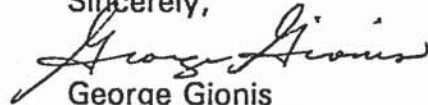
LINDA'S ONLY CONGEN WAS
EQUIPMENT-WESE - NO HUY EQUIP
SWAMP BUCK OCCASIONALLY.

File No. 31-268455-4
Page Two

Pursuant to pages 2 and 3, Item 4 of the long term conservation easement the Department, as Grantee in this conservation easement, hereby gives you written consent to perform the mangrove trimming activities solely within those areas (mentioned above) which are located in the Grand Harbor Conservation easement.

Please contact Tamy Weingarden Dabu at the letterhead address or at 407/894-7555 if you have any questions.

Sincerely,



George Gionis
Environmental Program Administrator
Submerged Lands and Environmental
Resources Program

Date: 10-27-95

^{ttid}
GG/twd/bm

cc: FDEP - Janet Llewellyn (with attachments) -
Corps of Engineers
Indian River County
FDEP - Melbourne



Lawton Chiles
Governor

Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL
P 128 890 107

Grand Harbor
c/o Ron Andrews
2121 Grand Harbor Boulevard
Vero Beach, FL 32967

Indian River County - WRP
Grand Harbor

Dear Mr. Andrews:

Enclosed is Permit Number 31-221778-4 to alter live mangroves, issued pursuant to Section 403.918 and/or Chapter 373, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information; (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

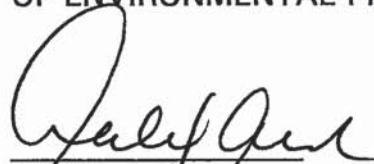
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



A. Alexander
District Director
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803

7/23/83
Date

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to
§120.52(11), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.


Clerk Date 7/23/93


AA/GG/BB/twh

Copies furnished to:

Corps of Engineers (199241743)
Indian River County Property Appraiser
DEP Melbourne Office

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT ISSUANCE and all copies were
mailed before the close of business on 7/23/93 to the listed
persons, by Debra Stuffer



Lawton Chiles
Governor

Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

Permittee:
Grand Harbor
c/o Ron Andrews
2121 Grand Harbor Boulevard
Vero Beach, FL 32967

I. D. Number:
Permit/Certification
Number: 31-221778-4
Date of Issue: 7/23/93
Expiration Date: 7/23/98
County: Indian River
Latitude/Longitude:
27°41'00"/80°23'00"
Section/Township/Range:
14,23,24/ 32S / 39E
Permittee: Grand Harbor

This permit is issued under the provisions of Chapter(s) 403 and/or Chapter 373, Florida Statutes, and Title 17 Florida Administrative Code Rule. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To alter live mangroves which interfere with the use of the golf course at Grand Harbor. Trimming will be performed as necessary and at various heights dependent upon location around the golf course. The project is located in Sections 14, 23, and 24, Township 32 South, Range 39 East in Indian River County.

LOCATION: State Road 60, east to U.S. 1; U.S. 1 south to the Grand Harbor entrance on the east side of U.S. 1 at the golf course, in Sections 14, 23, 24, Township 32 South, Range 39 East in Indian River County.

Permittee: Grand Harbor
Permit Number: 31-221778-4

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 402.727, or 403.859 through 403.861 and/or Chapter 373, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5) and/or Chapter 373, F.S., the issuance of this permit does not convey any vested rights of public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of this total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, on property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by the Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of the permit;

Permittee: Grand Harbor
Permit No. 05-221778-4

- (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- (c) Sample or monitor any substances or parameters at any location reasonable necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any conditions or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) a description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73 and/or Chapter 373, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rule of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 17-302.500, shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes certification of compliance with State Water Quality Standards (Section 401, PL-92-500).

14. The permittee shall comply with the following:

- a. upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

Permittee:
Grand Harbor

I.D. Number:
Permit/Certification
Number: 31-221778-4
Date of Issue: 7/23/93
Expiration Date: 7/23/98

SPECIFIC CONDITIONS:

1. Prior to construction of work authorized by this permit, the permittee shall provide written notification of the date of commencement of construction to the Central District Office of the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.
2. Turbidity must be controlled to prevent violations of water quality pursuant to Rule 17-302.510(5)(r), Florida Administrative Code. turbidity shall not exceed 29 Nephelometric Turbidity Units above natural background conditions.
3. Within 30 days of completion of work authorized by this permit, the permittee shall provide written notification of the date of completion of construction to the Central District Office of the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.
4. This permit only authorizes mangrove alteration in the areas described in the "Summary of Trimming" and in the Legend areas described in the "Summary of Trimming" and in the Legend sheets of the attached permit information in order to maintain the use of the golf course.
5. The Woodduck areas (A,B,C, and D) (and Sections 16, 17, 18 and 19 on Sheet 1) authorize only white mangrove (Laguncularia racemosa) alteration as outlined in the "Summary of Trimming" description. All existing red and black mangroves (Rhizophora mangle, Avicennia germinans) and the areas beyond the limits of the white mangrove alteration areas shall remain unaltered and natural.
6. The Second Rotary A area (Section 10 on Sheet 3) authorizes mangrove alteration in an area 160 feet long by 10 feet wide as described in the "Summary of Trimming".
7. No mangrove alteration/trimming is authorized within 3 feet of any root system, including prop roots.
8. All debris, including exotics removal (i.e., Brazilian pepper trees) shall be disposed of in uplands and not into wetlands or waters of the state. Inadvertent mangrove leaves and debris that falls into the wetland is allowed.
9. The mangroves shall be altered with a sharp machete, chain saw or similar tool which will not harm the adjacent mangroves or the mangrove being altered.
10. A maximum of 2 feet of side branch trimming is authorized to maintain golf cart bridges free of the mangroves.
11. The issuance of this permit does not guarantee that future modifications, or permits will be granted.
12. Should any trimming occur outside of the permitted areas, then enforcement will result which may include penalties and additional mangrove planting or wetland creation.

Permittee:
Grand Harbor

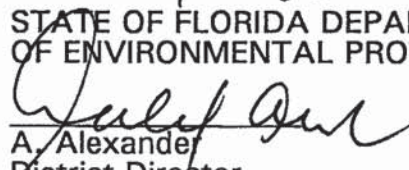
I.D. Number:
Permit/Certification
Number: 31-221778-4
Date of Issue: 7/23/93
Expiration Date: 7/23/98

SPECIFIC CONDITIONS:

13. The project shall comply with applicable state water quality standards, including:
 - A. 17-302.500 - minimum criteria for all surface waters at all places and at all times,
 - B. 17-302.510 - Surface waters: general criteria, and
 - C. 17-302.560 - Class III Waters - Recreation - Propagation and maintenance of a healthy, well-balanced population of Fish and Wildlife.
 - D. 17-302.510(5)(r) - Turbidity shall not exceed 29 Nephelometric Turbidity Units above natural background.
14. The waters of the state wetland lines shown on the attached plans are only binding upon the Department and the District in those specific locations where dredging or filling activity is authorized by this permit. Those portions of the wetland line which extend beyond the scope of work authorized by this permit are for reference only and shall not be relied upon for future compliance with Section 403.913 and/or Chapter 373, F.S., or any other provision of law.
15. The permittee is hereby advised that Florida law states: "No person shall commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Division of State Lands under Chapter 253, until such person has received from the Board of Trustees of the Internal Improvement Trust Fund the required lease, license, easement, or other form of consent authorizing the proposed use." Pursuant to Florida Administrative Code Rule 16Q-14, if such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to \$10,000 per offense.
16. If historical or archaeological artifacts, such as Indian canoes, are discovered at any time within the project site the permittee shall immediately notify the district office and the Bureau of Historic Preservation, Division of Historical Resources, R.A. Gray Building, 550 S. Bronough Street, Tallahassee, Florida 32399-0250.

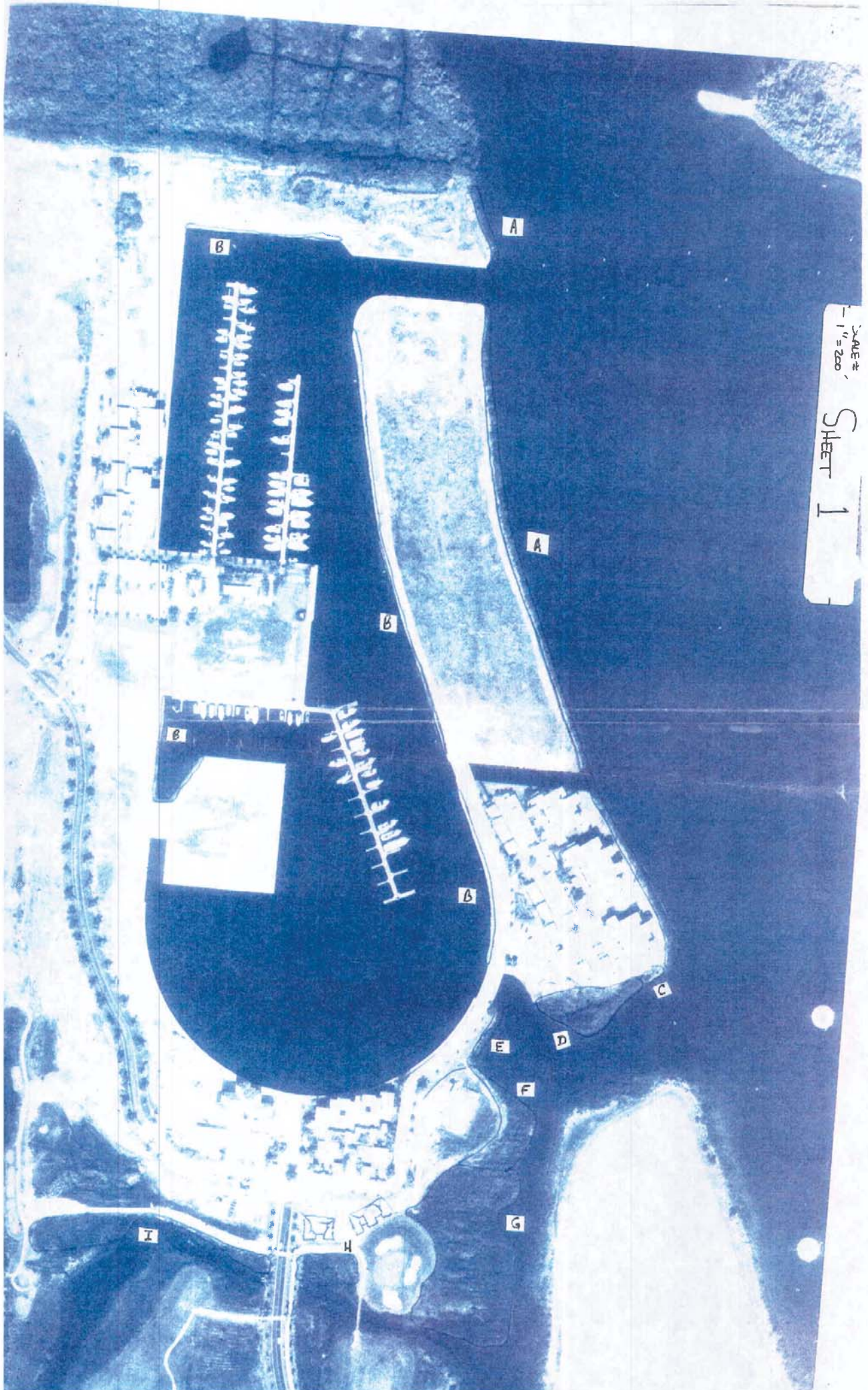
ISSUED 7/23/93

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


A. Alexander
District Director
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803-3767

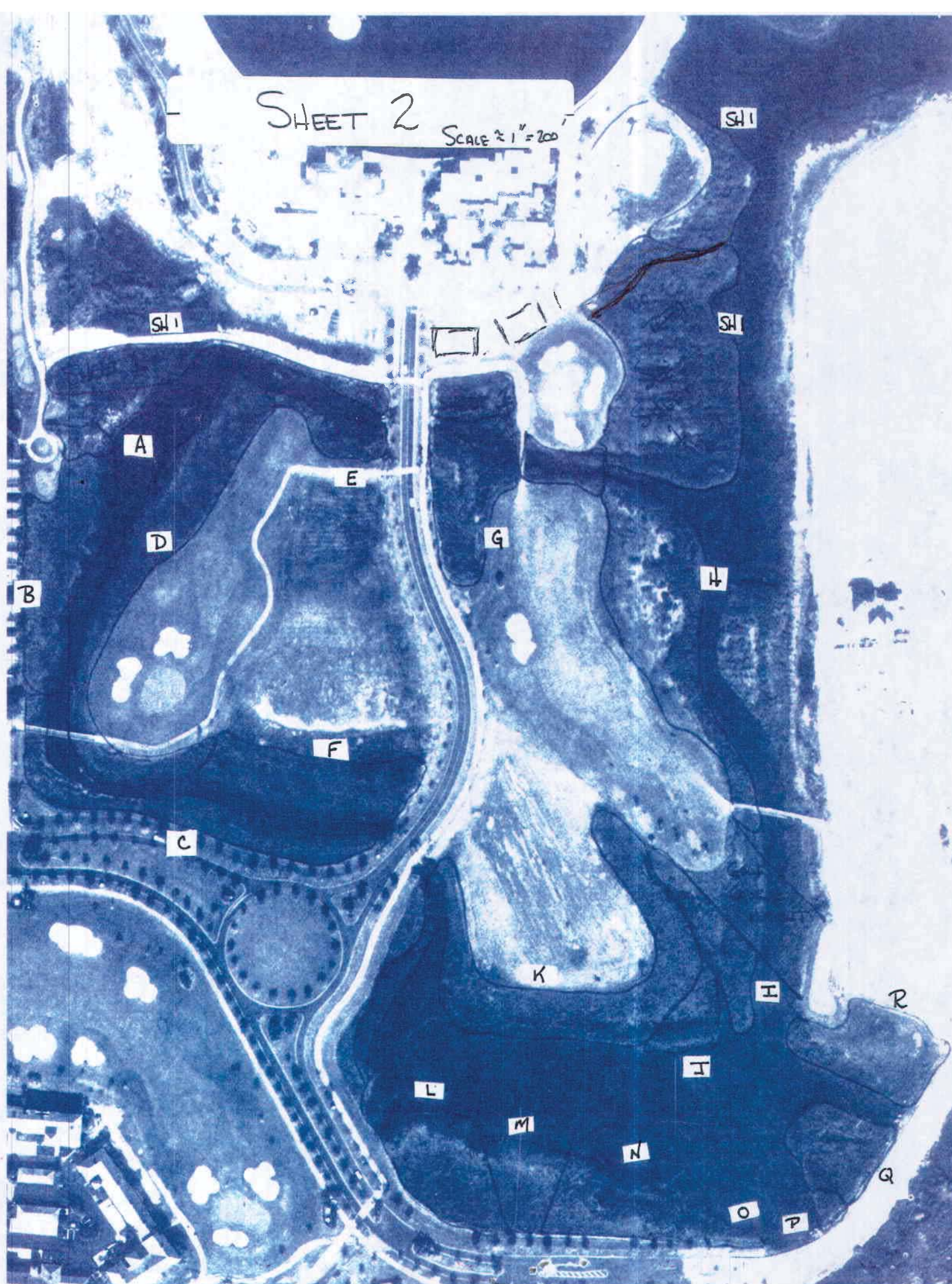
Scale
1" = 200'

SHEET 1



SHEET 2

SCALE $\approx 1" = 200'$



B

SHEET 3

SCALE 1" = 200'

A

C

F

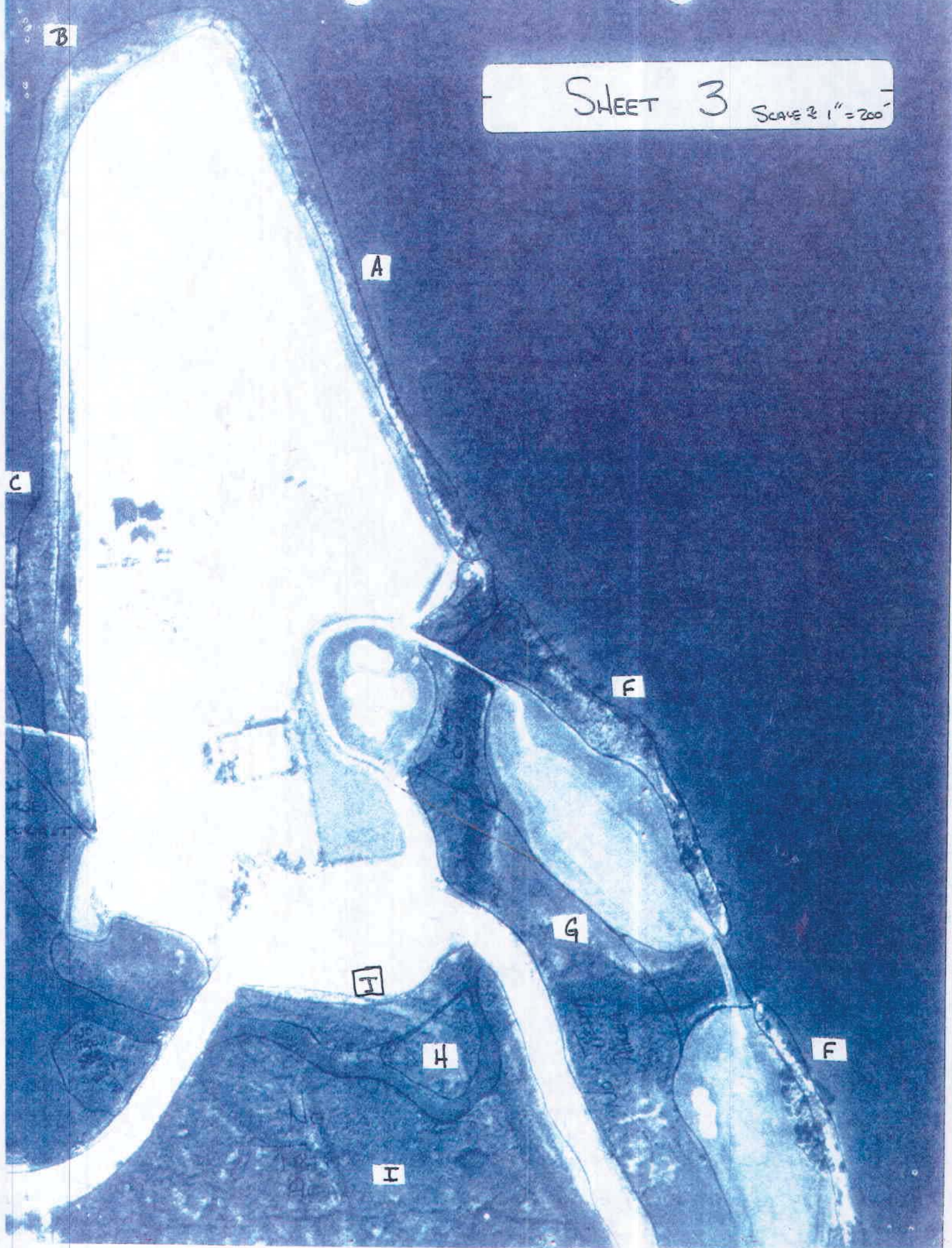
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I

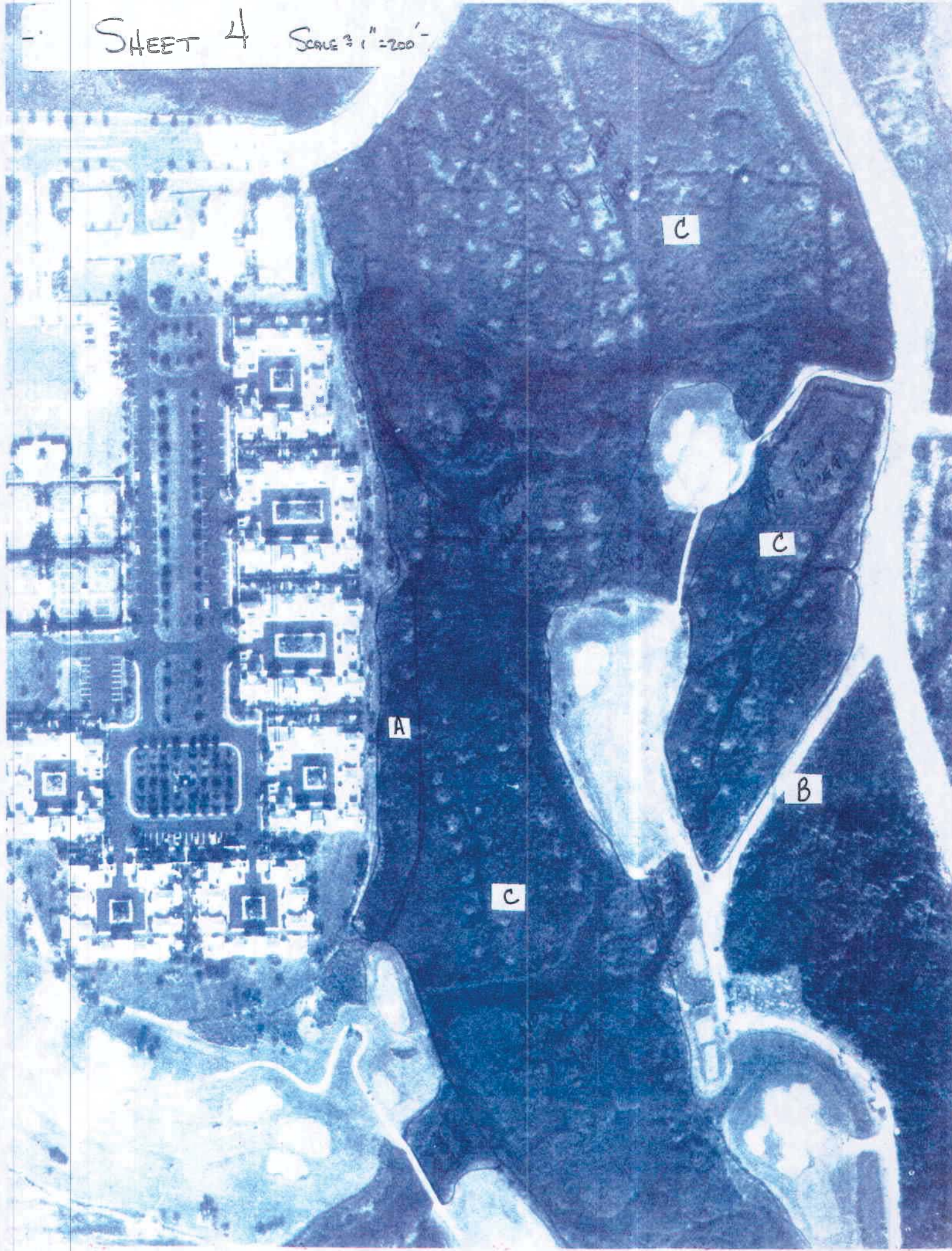
H

F

I



SHEET 4 SCALE 3/4" = 200'



SHEET 5

SCALE $\frac{1}{2}$ " = 200'

A

B

A

C

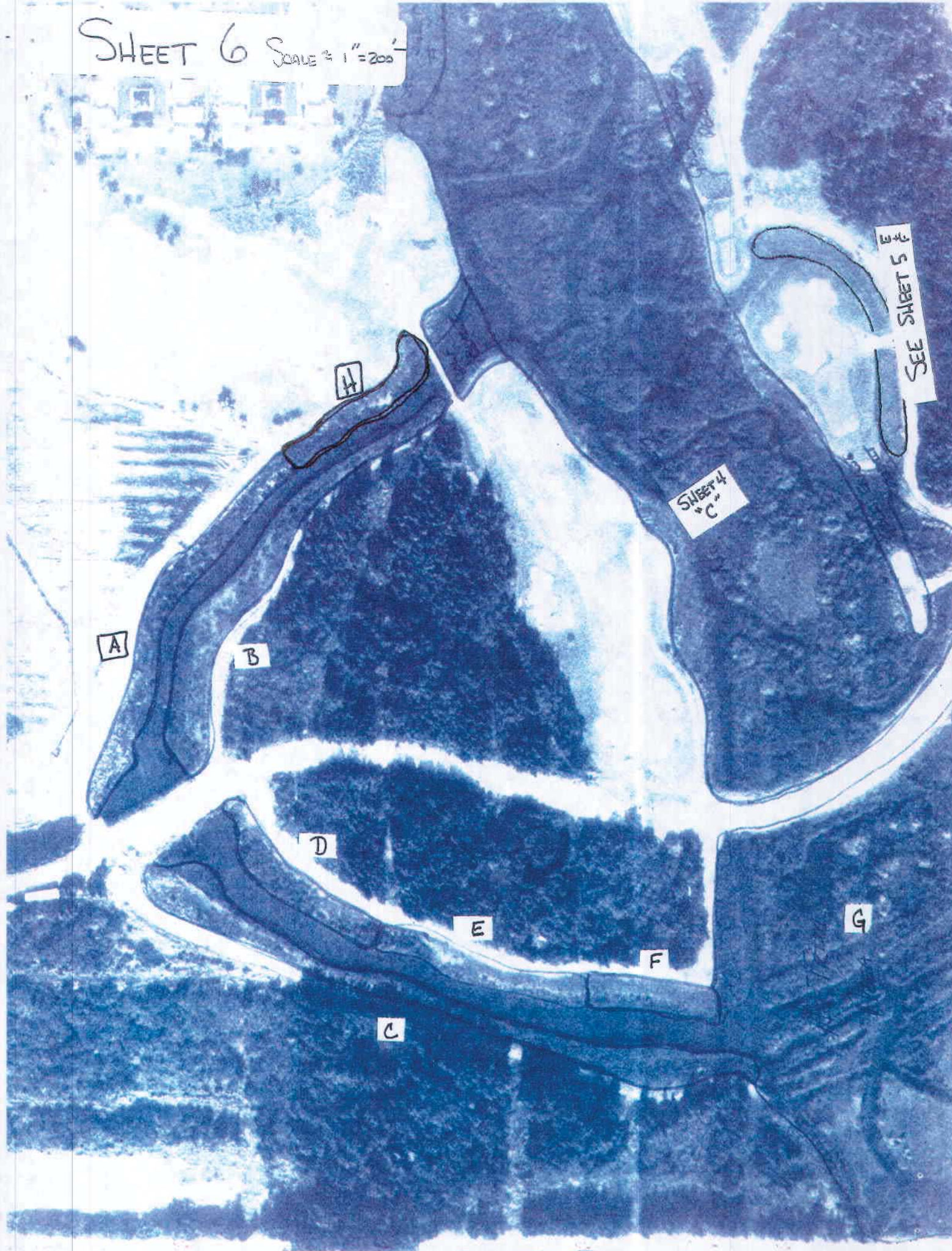
314

D

E

F

SHEET 6 SCALE 1"=200'



SHEET 7 SCALE $\approx 1'' = 200'$

A

B

C

No. 254
A-10

Sheet 1

Area	Description	Category	Plan
A	Mixed RMF < 10 ft	Exempt , outside conservation agreement	Maintain ht of 6-8'
B	Rock Revetment, most on east side of Marina, with very sporadic mangrove volunteers - current ht less than 4 ft	RMF < 10 ft	Maintain at 6 ft, plant seedlings at key locations
C	Mixed RMF < 10 ft	RMF < 10 ft	Maintain ht of 6-8'
	Mixed Mangroves	No Trim	No Alteration
E	Mixed Mangroves	No Trim	No Alteration
F	Harbor Links ; Mixed RMF @ 6-14 ft, most under 10 feet. Less than 85 feet deep.	EMF	Initial trim to 6 feet except for select Blacks at outer edges, these to be allowed to achieve tree form
G	Mixed Mangroves	No Trim	No Alteration
H	East of Harbor Loop road RMF ≤ 10 ft , mostly whites	RMF ≤ 10 ft	Trim to 6 feet, maintain at 6-8 feet.
I	West of Harbor Loop Road , RMF ≤ 10 ft , mostly whites - 5 % @13 ft.	RMF ≤ 10 ft	Trim to 6 feet, maintain at 6-8 feet.

14 H

for James Hewell
attach to 2-14302-4

Sheet 2

Area	Description	Category	Plan
A	Sporadic Whites $\leq$ 10 ft	No Trim	No Alteration
B	East of St. David's ; Very Sporadic Whites $\leq$ 10 ft; low mangrove density due to freshwater mixing area. 75-150 ft wide.	EMF	Trim to 6 ft, allow a few full Blacks to develop.
C	Very Sporadic Whites $\leq$ 10 ft; low mangrove density due to freshwater mixing area	RMF $\leq$ 10 ft	Trim to 6 ft, allow a few full Blacks to develop
D	Sporadic Whites $\leq$ 10 ft; low mangrove density due to freshwater mixing area	No Trim	No Alteration
E	Whites $\leq$ 10 ft; low mangrove density due to freshwater mixing area. 2 segments of 14-16 feet. They have limbs and leaves to the 3 foot mark. North of Pod D.	RMF > 10 ft	We will trim to 6 feet and maintain at 6-8 ft. As they are so full at the bottom , this should not create undue stress.
F	South of Pod D. Very Sporadic Whites $\leq$ 10 ft; low mangrove density due to freshwater mixing area	RMF $\leq$ 10 ft	Trim to 6 ft as they develop.
G,H,I L,N,Q	Mixed Mangroves from 1-20 ft	No Trim	No Alteration
J	Large White Mangrove stand with heights approaching 20 feet - Sporadic Blacks	EMF > 10 ft	50% Trim to 6 ft
K	Pod E; mixed mangroves $\leq$ 10 ft	RMF $\leq$ 10 ft	Trim to 6 ft.
K1	Second rotary, starting at yield sign. White Mangroves > 10 ft, with limbs and leaves to 3-4 ft	RMF > 10 ft	Trim to 6 ft, this should be able to be done in one step due to fullness of the foliage to the base
M,O,P	White Mangroves $\leq$ 10 ft. M is across from club entrance. O & P open view corners at Bridge.	RMF $\leq$ 10 ft	Trim to 6 ft., Providing a window to the salt lake and opening up another window to the salt lake
R	Pod O White Mangroves $\leq$ 10 ft. 140 ft deep, the upper 100 ft are sporadic, thicker at shoreline.	EMF	Trim to 6 ft, to provide view for home at lot 1 St. Andrews.

Sheet 3

Area	Description	Category	Plan
A	Mixed RMF	Exempt , outside conservation agreement	Maintain ht between 6 & 8 ft
B	Mixed RMF, 95+ % $\leq$ 10 ft North east corner some at 12-14 ft, all have foliage to 2 ft.	RMF $\leq$ 10 ft	Initial trim to 6 ft. , maintain between 6 & 8 ft. allow occasional Blacks to form canopy.
C & E	Mixed mangroves < 10 ft	EMF	Maintain ht between 6 & 8 ft
D	Mixed mangroves < 10 ft	No trim	No Alteration
F	Indian River Shoreline RMF	No trim	No Alteration
G	Mixed Mangroves	No trim	No Alteration
J, H	Pod F , Mangrove Fringe varies in width from 75' to a maximum of 200'. 80% under 10 ft, rem. under 12'. A few big blacks.	RMF $\leq$ 10 ft (going with the majority)	Trim majority to 6 ft, but allow big blacks to stay
I	Mostly White Mangrove forest with select blacks, some quite large with deadwood.	No Trim	No alteration

Sheet 4

Area	Description	Category	Plan
A	Woodduck ; Mostly White Mangroves, Heights to 30 feet in one section. Most in the 10 -16 ft range. 1200 ft in length, 75 ft or less .	RMF > 10	Those trees that have limbs down to 5 & 6 feet we feel the best procedure is to take them down to 6 ft in one cut. Past experience on this property would bear this out. The tall section - We don't know, We think the best procedure would be to try a full trim on about a 200 sq. ft area and evaluate the affect this has on these trees prior to trimming the tallest section. We believe they will branch out nicely at a foot or two below the cut. We are concerned that successive trims at staged hts. would only result in constantly trimming off the new growth. Frankly these trees grew to their present height in just 3-5 years, were not to worried about their hardiness.
B	Pod S North area ; Sporadic Mangrove $\leq$ 10 ft	EMF	Trim and maintain to a height of 6 ft. Width varies from 45 - 160 ft. to reach channel.
C	Same as "I" on sheet 3, The main marsh body of the old impoundment. Total length as much as 2600 feet - width as wide as 800 feet	No trim except for small marked sections in golf course permit	No alteration except as is clearly marked on this sheet.

Sheet 5

Area	Description	Category	Plan
A	Continuation of "F" on sheet #3, Riverine Riparian Mangrove Fringe. Within Conservation agreement, no relief needed or desired.	No Trim	No alteration
B	Continuation of "G" on sheet #3, Mixed Mangrove Marsh. Within Conservation agreement, no relief needed or desired.	No Trim	No alteration
C	North of Pod T, RMF > 10 ft., mostly whites, some reds recruiting at water side.	RMF > 10	All have limbs and leaves to 2 and 3 ft mark. Initial trim at 6 ft. will be no problem. maintain at 6-8 ft.
D ₁	Continuation of "A" on sheet 3, mixed mangroves mostly white and black with heavy exotic influence. Most under 10 feet.	Exempt, not within the conservation agreement.	We first will remove the exotics. Then, We will shape any large blacks as they recover from being shaded and pushed by the Schinus and the Casuarina. The existing white mangrove will be trimmed to 6 ft. Over time some pockets will be allowed to achieve a natural growth habit.
E,F	Pod S West side ; Distichlis marsh with very little mangrove intrusion. 1-4 feet and very sporadic.	RMF < 10	Trim if needed to maintain ht. at 6 feet.

Sheet 6

Area	Description	Category	Plan
A	Area west of Pod "O", St. Anne's village; Mostly white mangroves with 95% $\leq$ 10ft. Freshwater mix area.	RMF $\leq$ 10ft	Trim to 6 ft initially , maintain between 6 and 8 ft.
B	Area east of Pod "Q" ; Mostly white mangroves with 95% $\leq$ 10ft. Same channel as above. Freshwater mix area.	RMF $\leq$ 10 ft.	Trim to 6 ft initially , maintain between 6 and 8 ft.
C	Southside of dirt road. Southside of channel. RMF ranging from 10 -14 ft. They have limbs and leaves to below 3 feet.	RMF > 10 ft.	These trees will have no problem with an initial trim of 6ft. Maintain at 6 to 8 ft.
D	Southside of dirt road, northside of channel. gradient marsh. Scattered young mangroves becoming denser and larger at waterface. A few blacks at 15 ft. Mostly whites < 10 ft.	RMF $\leq$ 10 ft	Trim to 6 ft initially , maintain between 6 and 8 ft. Allow select black mangroves to achieve real canopy.
E	Southside of dirt road, northside of channel. gradient marsh. Scattered young mangroves becoming denser and larger at waterface. A few blacks at 15 ft. Mostly whites < 10 ft.	No trim	No alteration is requested for this area. This is one area that we are playing a little by ear, perhaps at a later date we would need to shift this somewhat.
F	Southside of dirt road, northside of channel. gradient marsh. Scattered young mangroves becoming denser and larger at waterface. White mangroves < 10 ft.	RMF $\leq$ 10 ft	Trim to 6 ft initially , maintain between 6 and 8 ft.
G	Rehabilitation and creation marsh south of dirt road. Mixed mangroves, virtually all sizes.	No Trim	No alteration
H	Area adjacent to "A" on this sheet. White mangroves get larger on this north end to 14 feet. Adjacent to golf course, out of play.	No Trim	No alteration

Sheet 7

Area	Description	Category	Plan
A	Continuation of area D on sheet 5 Indian River Shoreline, outside conservation agreement. Approximately 40 feet wide.	Exempt	We first will remove the exotics. Then , We will shape any large blacks as they recover from being shaded and pushed by the Schinus and the Casuarina. The existing white mangrove will be trimmed to 6 ft. Over time some pockets will be allowed to achieve a natural growth habit.
B	South end of Pod T; large invasion of Brazilian Pepper and Australian pine intruding on black mangroves primarily greater than 10 feet.	RMF > 10 ft	Remove exotics. Trim back 20 - 60 ft as indicated on sheet with a minimum ht of 6 ft. but some mature specimens allowed to develop. No trim outside of line. Basically were just trying to keep this border from becoming claustrophobic.
C	Four Square Marsh , The only true preservation area in the original permit.	No Trim	No alteration

Attachment 8

UMAN Trimming Calculation Provided by FDEP

Uniform Mitigation Assessment Method Summary

Site Project Name	Application Number	Date
rand arbor		February 14 2 18

Impact Summary

Assessment Area		Impact Type	Location and Landscape Support		ater Environment		Community Structure		Impact Delta	Acres	Functional Loss
			Current	Impact	Current	Impact	Current	Impact			
1	Trimming west of golf course	Direct Impact	5	4	7	7	7	5	0.10	3.86	0.386
2	Trimming by condo unit	Direct Impact	5	5	7	7	7	5	0.07	0.26	0.017
3	Trimming lagoon fringe	Direct Impact	5	5	7	7	5	6	-0.03	1.59	-0.053
4	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-
T TAL										5.71	.35

Mitigation Summary

Assessment Area		Mitigation Type	Location and Landscape Support		ater Environment		Community Structure		Mitigation Delta	Time Lag	isk	PAF	F	Acres	Functional ain
			o Mit	Mit	o Mit	Mit	o Mit	Mit							
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T TAL															.

T TALS					
Impacts	Acres	Mitigation - Upland	Acres	Mitigation - etland	Acres
				Creation	0.00
		Restoration	0.00	Restoration	0.00
Direct Impacts	5.71	Enhancement	0.00	Enhancement	0.00
Secondary Impacts	0.00	Preservation	0.00	Preservation	0.00
Total Impacts	5.71	Total Upland Mitigation	.	Total etland Mitigation	.

Total Functional Loss	.35
Total Functional ain	.
Mitigation Deficit	- .35

Attachment 9

UMAN Staged Alteration Calculation Provided by FDEP

Uniform Mitigation Assessment Method Summary

Site Project Name	Application Number	Date
rand arbor		February 14 2 18

Impact Summary

Assessment Area		Impact Type	Location and Landscape Support		ater Environment		Community Structure		Impact Delta	Acres	Functional Loss
			Current	Impact	Current	Impact	Current	Impact			
1	Alteration west of golf course	Direct Impact	5	3	7	4	7	4	0.27	3.86	1.029
2	Alteration by condo unit	Direct Impact	5	4	7	4	7	6	0.17	0.26	0.043
3	Alteration lagoon fringe	Direct Impact	5	5	7	4	5	4	0.13	1.59	0.212
4	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-
T TAL										5.71	1.284

Mitigation Summary

Assessment Area		Mitigation Type	Location and Landscape Support		ater Environment		Community Structure		Mitigation Delta	Time Lag	isk	PAF	F	Acres	Functional ain
			o Mit	Mit	o Mit	Mit	o Mit	Mit							
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
T TAL															.

T TALS					
Impacts	Acres	Mitigation - Upland	Acres	Mitigation - etland	Acres
		Creation		Creation	0.00
		Restoration	0.00	Restoration	0.00
Direct Impacts	5.71	Enhancement	0.00	Enhancement	0.00
Secondary Impacts	0.00	Preservation	0.00	Preservation	0.00
Total Impacts	5.71	Total Upland Mitigation	.	Total etland Mitigation	.

Total Functional Loss	1.284
Total Functional ain	.
Mitigation Deficit	-1.284

Attachment 10

UMAN Non-Staged Alteration Calculation Provided by FDEP

Uniform Mitigation Assessment Method Summary

Site/Project Name:	Application Number:	Date:
Grand Harbor		March 14, 2018

Impact Summary

Assessment Area	Impact Type	Location and Landscape Support		Water Environment		Community Structure		Impact Delta	Acres	Functional Loss
		Current	w/Impact	Current	w/Impact	Current	w/Impact			
1 Alteration west of golf course	Direct Impact	5	3	7	2	7	2	0.40	3.86	1.544
2 Alteration by condo unit	Direct Impact	5	4	7	2	7	2	0.37	0.26	0.095
3 Alteration lagoon fringe	Direct Impact	5	5	7	2	5	2	0.27	1.59	0.424
4 -	-	-	-	-	-	-	-	-	-	-
5 -	-	-	-	-	-	-	-	-	-	-
6 -	-	-	-	-	-	-	-	-	-	-
TOTAL									5.71	2.063

Mitigation Summary

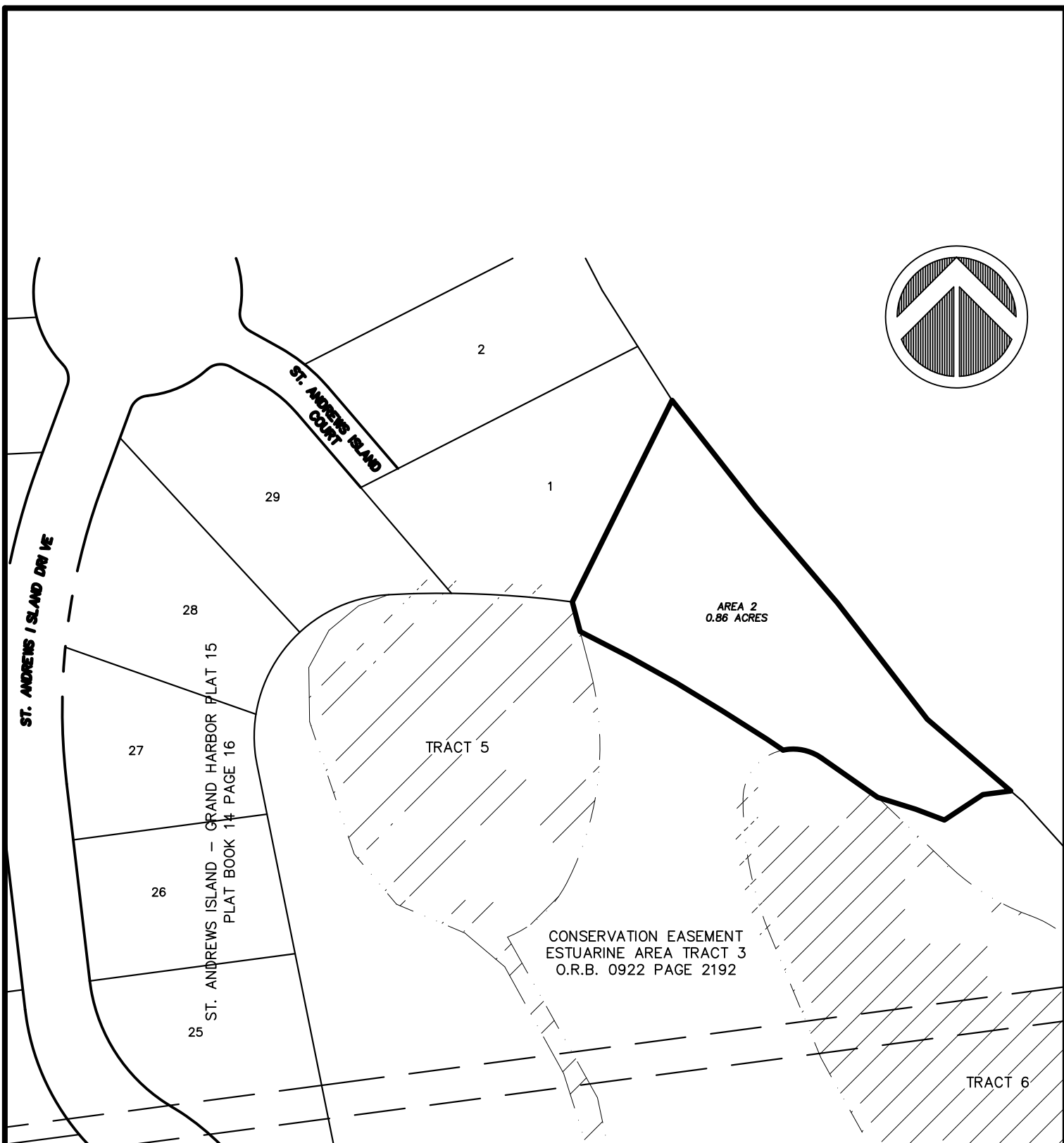
Assessment Area	Mitigation Type	Location and Landscape Support		Water Environment		Community Structure		Mitigation Delta	Time Lag	Risk	PAF	RFG	Acres	Functional Gain
		w/o Mit	w/Mit	w/o Mit	w/Mit	w/o Mit	w/Mit							
1 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL													0.00	0.000

TOTALS					
Impacts	Acres	Mitigation - Upland	Acres	Mitigation - Wetland	Acres
		Restoration	0.00	Creation	0.00
Direct Impacts	5.71	Enhancement	0.00	Restoration	0.00
Secondary Impacts	0.00	Preservation	0.00	Enhancement	0.00
Total Impacts	5.71	Total Upland Mitigation	0.00	Total Wetland Mitigation	0.00

Total Functional Loss	2.063
Total Functional Gain	0.000
Mitigation Deficit	-2.063

Attachment 11a

Proposed Sketch



LEGAL DESCRIPTION & SKETCH
 "This is NOT a Boundary Survey"

Drawn by:
DMT

Checked by
DMT

File name
7508

Date
1/30/19

Scale
1"=100'

Drawing Name
7508



Masteller, Moler & Taylor, Inc.

PROFESSIONAL SURVEYORS AND MAPPERS

LAND SURVEYING BUSINESS #4644

1655 27th Street, Suite 2 Vero Beach, Florida 32960

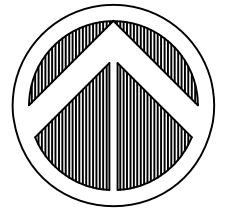
Phone: (772) 564-8050 Fax: (772) 794-0647

NOT VALID WITHOUT THE SIGNATURE AND
 THE ORIGINAL RAISED SEAL OF A FLORIDA
 LICENSED SURVEYOR AND MAPPER.

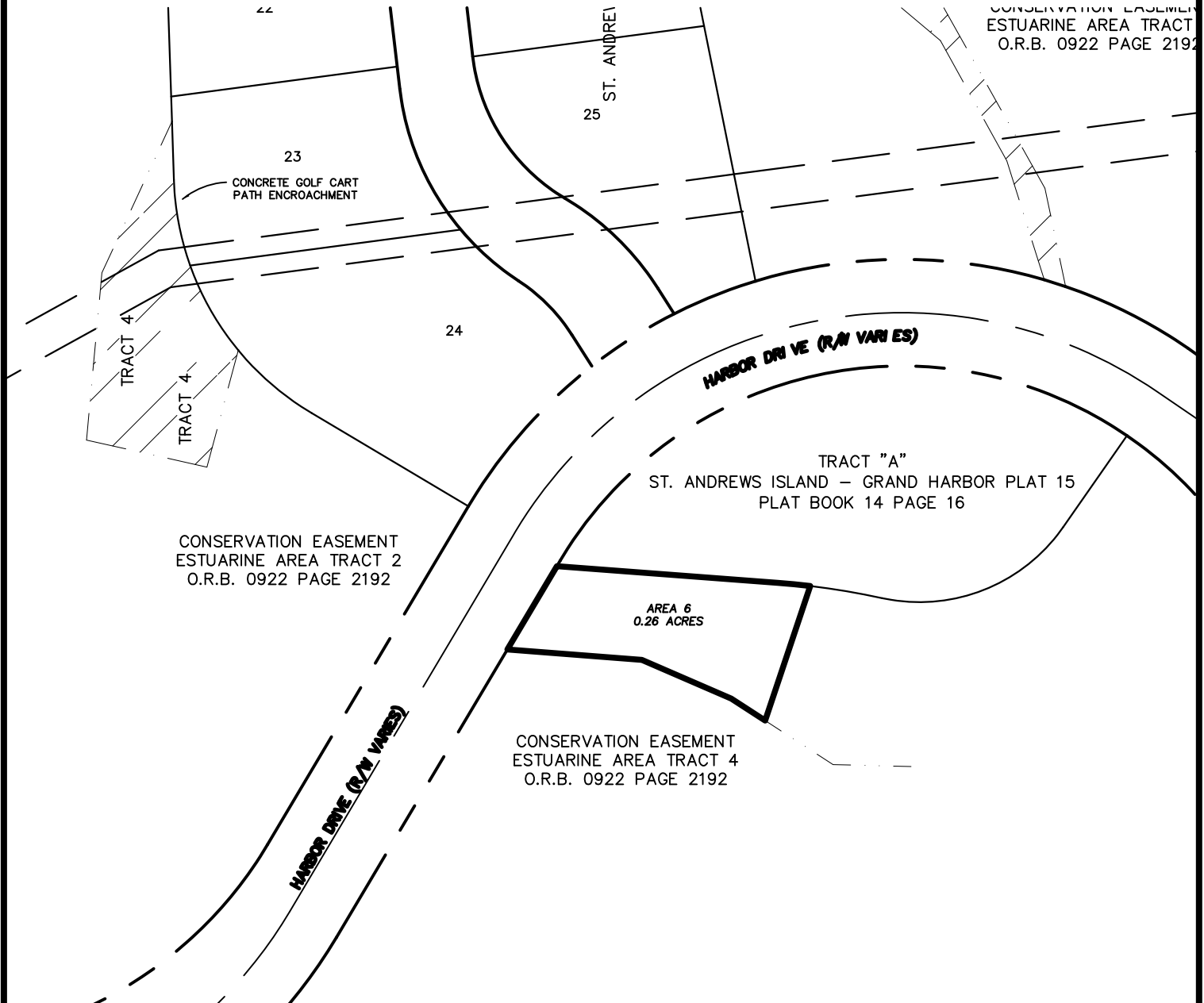
DAVID TAYLOR P.L.S. 5243

Attachment 11b

Proposed Sketch



CONSERVATION EASEMENT
ESTUARINE AREA TRACT
O.R.B. 0922 PAGE 2192



LEGAL DESCRIPTION & SKETCH
"This is NOT a Boundary Survey"

Drawn by:
DMT

Checked by
DMT

File name
7508

Date
1/30/19

Scale
1"=200'

Drawing Name
7508



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Phone: (772) 564-8050 Fax: (772) 794-0647

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DAVID TAYLOR P.L.S. 5243