



CULTURAL SERVICES, HISTORIC PRESERVATION, & TREE ADVISORY BOARD AGENDA

MONDAY

December 4, 2023 - 5:30 PM

COUNCIL CHAMBERS

4300 S. ATLANTIC AVENUE, PONCE INLET, FL

SUNSHINE LAW NOTICE FOR BOARD MEMBERS – Notice is hereby provided that one or more members of the Town Council or other Town Boards may attend and speak at this meeting.

A complete copy of the materials for this agenda is available at Town Hall.

- 1. CALL TO ORDER & PLEDGE OF ALLEGIANCE.**
- 2. ROLL CALL & DETERMINATION OF QUORUM.**
- 3. ADOPTION OF AGENDA.**
- 4. APPROVAL OF THE MINUTES:**
 - A. August 7, 2023
- 5. REPORT OF STAFF:**
 - A. Cultural Services update – *Jackie French, Cultural Services Manager*
 - B. Public Works update – *Fred Griffith, Public Works General Manager*
- 6. OLD BUSINESS:**
 - A. Town of Ponce Inlet 60th Anniversary Party – Mascot Survey Results
- 7. NEW BUSINESS:**
 - A. FDP 37-2023, Marine Science Center – Learning Center Expansion
Property Address: 100 Lighthouse Drive
Review of Landscape Plan and Tree Preservation Plan – Ms. Rippey
- 8. PUBLIC PARTICIPATION.**
- 9. BOARD/STAFF DISCUSSION.**
- 10. ADJOURNMENT.**

Next Meeting: Monday, January 8, 2024

If a person decides to appeal any decision made by the Cultural Services Board with respect to any matter considered at a meeting, they will need a record of the proceedings and to ensure that a verbatim record of the proceedings is made at their own expense. Persons who require accommodation to attend this hearing should contact the Ponce Inlet Town Hall at 236-2150 at least one week prior to the meeting date to request such assistance.



Meeting Date: December 4, 2023

Agenda Item: 4

Report to the Cultural Services, Historic Preservation, and Tree Advisory Board

Topic: Approval of August 7, 2023 meeting minutes

Summary:

Staff has prepared the attached set of meeting minutes for the Board's review and approval.

Suggested Motion/Action:

To APPROVE the August 7, 2023 meeting minutes:

As Presented - or - As Amended

Requested by:

Ms. Stewart, Assistant Deputy Clerk

Reviewed & Authorized by:

Ms. French, Cultural Services Manager

Approved by:

Mr. Disher, Town Manager



Town of Ponce Inlet
**CULTURAL SERVICES, HISTORIC PRESERVATION,
AND TREE ADVISORY BOARD**

REGULAR MEETING MINUTES

August 7, 2023

4
5
6
7 **1. CALL TO ORDER & PLEDGE OF ALLEGIANCE:** Pursuant to proper notice,
8 Chairperson Bell called the meeting to Order at 5:30 PM in the Council Chambers, located at 4300
9 S. Atlantic Avenue, Ponce Inlet, Florida and led the attendees in the Pledge of Allegiance.

10
11 **2. ROLL CALL & DETERMINATION OF QUORUM:** A quorum was established with
12 five members and one alternate present.

13
14 Board members present:

15 Ms. LaBarre, Seat 1
16 Ms. Keese, Seat 2
17 Mr. Shaffer, Seat 3
18 Ms. Finch, Seat 4; Vice-Chairperson
19 Ms. Bell, Seat 5 - Chairperson
20 Ms. Kessler, Alternate Seat 1 - Excused

21
22 Staff members present:

23 Mr. Disher, Town Manager
24 Ms. French, Cultural Services Manager
25 Mr. Griffith, Public Works Manager
26 Ms. Stewart, Assistant Deputy Clerk

27
28 **3. ADOPTION OF AGENDA:** Chair Bell asked if there were changes; Ms. French
29 announced she will be providing the update on the cell tower and not Chief Scales.

30
31 Ms. Finch moved to adopt the agenda as amended; seconded by Ms. LaBarre. The motion PASSED
32 by consensus, 5-0.

33
34 **4. APPROVAL OF MINUTES:**

35
36 **A. June 5, 2023** – Chair Bell asked if there were any changes; there were none.

37
38 Ms. Finch moved to approve the June 5, 2023, meeting minutes as presented; seconded by Ms.
39 LaBarre. The motion PASSED by consensus, 5-0.

40
41 **5. REPORT OF STAFF:**

42
43 **A. Cultural Services Update** – Ms. French provided an update on the invasive air
44 potato vine in Ponce Preserve; these vines were addressed July 2022. Extensive research with a
45 forester was conducted at that time, and air potato beetles were released; the beetles focus on the

46 leaves. The town had an environmental consultant assess the issue who noted that the beetles are
47 still present; they are not detrimental to the trees. The consultant suggested pairing their services
48 with a community event utilizing volunteers to help remove the vines in the winter months. There
49 is no machinery or equipment used. Staff is waiting on proposals from the consulting firm to
50 remove these vines which would be provided to the Town Council for fiscal year 2023/24. Ms.
51 Keese asked if the town is in compliance with the Ponce Preserve Master Plan; Ms. French replied
52 yes. This is a multi-year process and very labor intensive to remove the vines from the entire park.
53 Ms. Keese asked if the town could use the high schools for assistance. Ms. French stated the event
54 will be open to whoever would like to volunteer. Ms. LaBarre asked Ms. French to address the
55 issue with the Brazilian pepper; Ms. French noted that it is also an invasive species and are
56 removed immediately when found. Staff is trained to find them and remove them. Chair Bell asked
57 if a resident found a Brazilian pepper, should they contact the Public Works Department; Ms.
58 French replied yes.

59
60 **B. Cell Tower update** – Ms. French stated the town is still in negotiations and an update will
61 be provided when available.

62
63 Ms. Keese commented she has a concern regarding the leaning light pole on Peninsula Drive
64 at Pollard Park; she asked if it could be shored-up. Mr. Griffith replied that Public Works is
65 ordering a new pole that will take two to three weeks to receive.

66
67 **6. OLD BUSINESS:** None.

68
69 **7. NEW BUSINESS:**

70
71 **A. Town of Ponce Inlet 60th Anniversary Party – Discussion of Time Capsule** – Ms.
72 French announced the town will host its 60th Anniversary Party on September 16, 2023; in addition
73 to other activities, a time capsule was suggested to mark this historic event. The Ponce Inlet
74 Lighthouse staff have offered to assist with this activity by utilizing proper archival techniques to
75 collect and preserve items that would be placed inside. The Board suggested items such as photos,
76 documents representing 2023, books relevant to the town, etc. Staff researched materials and sizes
77 of time capsules to fit the items suggested. She reviewed the options which include burying the
78 capsule, displaying the capsule indoors, or displaying the items without enclosing them in a time
79 capsule. The estimated costs range from \$1,100 - \$1,500 to bury (depending on size); or \$700 -
80 \$1,700 to display (depending on size and if in a capsule or not). Although burying the capsule is
81 the traditional method, displaying the capsule or items is considered safer because it would be
82 within a climate-controlled environment. This event is on a strict budget and the cost cannot exceed
83 \$1,300. The Ponce Inlet Lighthouse staff suggested opening the time capsule at the town's 100th
84 anniversary. Staff is seeking direction from the Board on whether to have this activity for the 60th
85 Anniversary Party event, and if so, whether to display or bury the time capsule with specific
86 requests that the Board make a recommendation to the Town Council on the method and location.
87 Members discussed the options and whether to display or bury the time capsule. Chair Bell opened
88 public comment. Mr. Skip White, 4885 S. Atlantic Avenue, stated if the decision is to make the
89 time capsule mobile, to publicize it as it would attract more visitors to whatever location it is at
90 such as the museum.

91

92 Chair Bell moved to display a hybrid time capsule to be displayed throughout the town on a
93 rotating basis to be opened at staff's discretion; seconded by Ms. Finch. The Board agreed by
94 consensus; 5-0.

95
96 **B. Discussion of Mascot Naming Contest** – Ms. French stated an idea has been
97 brought forth related to the town's 60th Anniversary Party event to select a mascot for the town.
98 Residents could participate in a town-wide survey to suggest their ideas to the Cultural Services
99 Board for review. Staff would then ask the Board to narrow down the suggestions to three to five;
100 the finalists would be voted on by the event's planning committee and announced the day of the
101 event. This would be voted on at the September 11, 2023, Cultural Services Board meeting' the
102 event is September 16, 2023. Staff is seeking direction from the Board on whether to have this
103 activity for the 60th Anniversary Party event. A handout was provided of photos of the City of
104 DeBary's mascot, Clayton the Dinosaur. Gary the Gopher Tortoise has been suggested as a town
105 mascot; other suggestions are welcome. Staff is asking if there is an idea for a town mascot that
106 could be used in the future for events, promotional activities, etc. Ms. Finch commented that the
107 Marine Science Center already has a turtle as a mascot so she would not want another turtle. Chair
108 Bell stated that she was involved with the mascot process for the Marine Science Center; mascots
109 are a good idea, but a good costume can be very expensive. Mr. Disher explained how the Clayton
110 the Dinosaur became the city of DeBary's mascot and how the city utilizes him. The idea was to
111 see if this Board is interested in exploring the idea of a mascot, and if so, we can have a contest
112 between now and the 60th Anniversary Party and to announce the winner at the event. The contest
113 or survey could be placed on the C4PI website for input. The idea is to decide on a mascot and a
114 name; costumes, logos, etc. could wait until another year. The Board could have a few ideas for
115 the public to choose from. The Board members discussed ideas for mascots and how to conduct
116 the survey. Ms. French noted that staff would review submittals to ensure they are appropriate and
117 then have the Cultural Services Board narrow down the options. Chair Bell suggested providing a
118 QR code for the public to download and vote on the ideas for a mascot.

119
120 The Board agreed by consensus to provide a survey and QR code at the 60th Anniversary Party
121 event for staff to review the submittals and bring back to the Board for discussion; 5-0.

122
123 **7. PUBLIC PARTICIPATION:** Chair Bell opened public comment. Ms. Barbara Davis,
124 4871 Sailfish Drive, stated the air potato invasive vines came before the board twice last year. She
125 provided printouts of portions of the July 11, 2022 and September 12, 2022 Cultural Services
126 Board minutes where the vines were discussed. She also provided print outs of the Ponce Preserve
127 Management Plan and the Florida Exotic Pest Plant Council list. The Native Plant Chapter
128 recommended Young Bear Environmental Consulting who are experts in this. She provided photos
129 of air potato vines, muscadine grape vines, and Brazilian peppers within Ponce Preserve and their
130 locations so that they can be removed.

131
132 Chair Bell asked Ms. Davis to provide the history and background of Ponce Preserve. Ms. Davis
133 explained how Ms. Lynn Morris, Ms. Margie Rizzio, and Ms. Debbie Keese formed the PLAY
134 (Ponce Living Actively Year-round) committee years ago to find recreational space. Former
135 Senator Dorothy Hukill was on the council at the time and was instrumental in this endeavor. They
136 found 40 acres from the river to the ocean which is now Ponce Preserve. They submitted for a
137 grant and was awarded the grant of approximately \$1.2 million. Ms. Davis provided the history of
138 how that grant was used and how the money was raised through t-shirt sales to buy the property
139 and how Ponce Preserve came to be. There was an incident yesterday where she came across

140 palmetto berry harvester; she contacted the police; however, they were unable to catch the
141 harvester. There are places that sell the berries locally, one in Edgewater. It is time to put out the
142 warning signs and for people to be aware of the harvesters and report them. Chair Bell noted that
143 this is a seasonal, repetitive problem. She thanked Ms. Davis and the PLAY Committee as Ponce
144 Preserve is the greatest gift to the community and one of the most spectacular places in Volusia
145 County. Ms. Davis referred to the time capsule discussed earlier and suggested it be put on display
146 here and to duplicate it to display at the museum. Chair Bell explained the idea is to rotate the
147 location of where the capsule would be displayed. Ms. Davis explained how the humane society
148 had various graphics over the years and she has the sea dog in her possession; she would be happy
149 to donate him to the town as the town mascot.

151 **9. BOARD/STAFF DISCUSSION:** Mr. Disher thanked Ms. Davis for contacting the police
152 regarding the palmetto berry harvesting. He announce the Police Department is currently looking
153 for volunteers to keep a watch for harvesters between 4:00 am and 8:00 am and again between
154 4:30 pm and 8:00 pm; he encouraged anyone interested to contact the department for details and
155 to contact the police if they see anything as it is illegal to harvest palmetto berries.

156
157 **10. ADJOURNMENT:** The meeting was adjourned at 6:11 p.m.

158
159 Prepared and submitted by:

160

161

162 -----
163 Debbie Stewart, Assistant Deputy Clerk

164

165 Attachment(s): Ponce Preserve Management Plan, Photographs of invasive vines, Florida Exotic
166 Pest Plan Council information



Meeting Date: December 4, 2023

Agenda Item: 6

Report to the Cultural Services, Historic Preservation, and Tree Advisory Board

Topic:

A. Town of Ponce Inlet 60th Anniversary Party – Mascot Survey Results

Summary:

Staff conducted Mascot Survey at the 60th Anniversary Party for a town mascot.

Suggested Motion/Action:

Direction on whether to have a town mascot and if so, for the Board to make a recommendation to the Town Council.

Requested by:

Ms. French, Cultural Services Manager

Approved by:

Mr. Disher, Town Manager



MEMORANDUM

TOWN OF PONCE INLET, CULTURAL SERVICES DEPARTMENT

The Town of Ponce Inlet staff shall be professional, caring and fair in delivering community excellence while ensuring Ponce Inlet residents obtain the greatest value for their tax dollar.

To: Cultural Services, Historic Preservation, and Tree Advisory Board
 From: Jackie French, Cultural Services Manager
 Date: November 21, 2023
 Subject: Town of Ponce Inlet's 60th Anniversary Party – Survey Results for Town Mascot

MEETING DATE: December 4, 2023

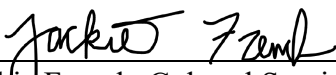
At the August 7, 2023, Cultural Services Board meeting, the Board was presented an idea to have a survey for a town mascot that would not conflict with mascots of other Ponce Inlet organizations. The Board agreed by consensus for staff to provide a survey at the 60th Anniversary Party, for staff to review the submittals, and bring the results back for Board discussion. At the Welcome Table of the event, staff provided a QR code for an online survey as well as a paper survey for ideas for a town mascot.

A total of 44 submissions were received:

- 86.4% answered “Yes” to the Town having its own Mascot (**Exhibit 1**)
- 68.2% of total survey responses were from Ponce Inlet residents (**Exhibit 2**)

Exhibit 3 provides a table of Town Mascot suggestions by count, which is further divided into Ponce Inlet residents and out-of-town responses. The leading mascot suggestion was a sea turtle, which would conflict with the Marine Science Center's mascot.

Staff is seeking direction from the Board on whether to have a town mascot, and if so, for the Board to make a recommendation to Town Council on 3 mascot suggestions from **Exhibit 3**.


 Jackie French, Cultural Services Manager

November 21, 2023
 Date

Exhibits:

1. Survey responses to the Town having its own mascot
2. Survey responses by place of residence
3. Survey responses of Town mascot suggestions
4. Total survey responses

Exhibit 1 Survey responses to the Town having its own mascot

Would you like for the Town to have its own Mascot? Note: Would not conflict with mascots of other Ponce Inlet organizations.

 Copy

44 responses

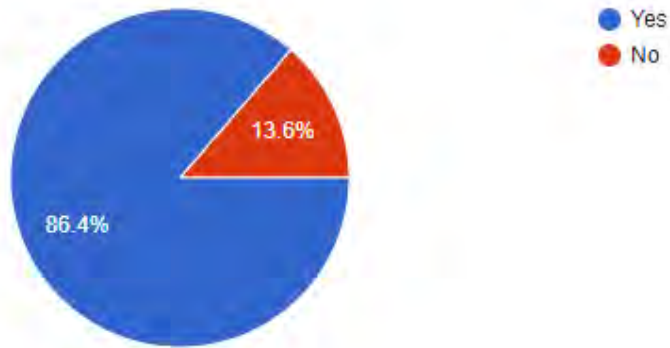


Exhibit 2 Survey responses by place of residence

What city do you live in?

 Copy

44 responses

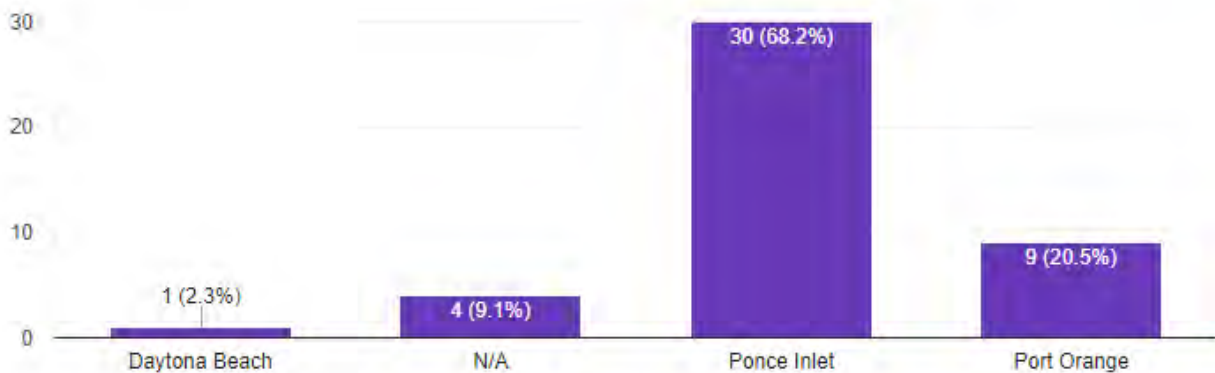


Exhibit 3
Survey responses of Town Mascot suggestions

What is your idea for a Town Mascot?	
Ponce Inlet Residents	Out-of-town Responses
Sea turtle: 8	Sea turtle: 1
Dolphin: 2	Dolphin: 2
Manatee: 2	Tortoise: 1
Tortoise: 1	Lighthouse: 1
Stingray: 1	Pelican: 1
Manta: 1	Dog: 1
Butterfly: 1	Jellyfish: 1
Lighthouse: 1	
Monkey: 1	
Sailfish: 1	
Pirate: 1	
Parrot: 1	
Ponce de Leon: 1	
Sea dog: 1	

Exhibit 4
Total survey responses

Would you like for the Town to have its own Mascot? Note: Would not conflict with mascots of other Ponce Inlet organizations.	What is your idea for a Town Mascot and/or Mascot name? ("None" is an option)	What city do you live in?
No		Ponce Inlet
Yes	Turtle or Dolphin	Ponce Inlet
Yes	Stingray/ Manta	Ponce Inlet
Yes	Sea turtle	Ponce Inlet
Yes	Sea turtle/ ocean	Ponce Inlet
Yes	Sea turtle	Ponce Inlet
No	None	Ponce Inlet
Yes	Turtle	Ponce Inlet
Yes	Butterfly	Ponce Inlet
Yes	Turtle/ Manatee	Ponce Inlet
Yes	Lighthouse	Ponce Inlet
Yes		Ponce Inlet
Yes		Ponce Inlet
Yes	Monkey/ Sailfish	Ponce Inlet
Yes		Ponce Inlet
Yes	None	Ponce Inlet
Yes	Sea Turtle/ Pirate	Ponce Inlet
Yes		Ponce Inlet
Yes	Tortoise	Ponce Inlet
Yes	Poncie the Parrot	Ponce Inlet
No	None	Ponce Inlet
Yes	Turtle. Colors for the town-seal. Not red & yellow lighthouse	Ponce Inlet
Yes	Turtle	Ponce Inlet
Yes		Ponce Inlet

Yes	Manatee	Ponce Inlet
Yes	Ponce DeLeon	Ponce Inlet
Yes	Dolphin	Ponce Inlet
Yes	"Poncy"	Ponce Inlet
Yes	Sea dog	Ponce Inlet
Yes		Ponce Inlet
Yes		Port Orange
Yes	None	N/A
No	None	Port Orange
Yes	Lighthouse costume	Port Orange
Yes	Patrick the Pelican	Daytona Beach
Yes	Turtle or Dolphin	Port Orange
Yes	Dog	Port Orange
Yes		N/A
No		N/A
Yes	Gary the Gopher Tortoise	Port Orange
Yes	Dolphin	Port Orange
Yes	Jellyfish/ "Sia"	Port Orange
Yes	"Shelly"	Port Orange
No		N/A



Meeting Date: December 4, 2023

Agenda Item: 7-A

Report to the Cultural Services, Historic Preservation, and Tree Advisory Board

Topic: FDP 37-2023, Marine Science Center – Learning Center
Expansion
Property address: 100 Lighthouse Drive
Review of Landscape Plan and Tree Preservation Plan

Summary:

Review Landscape Plan and Tree Preservation Plan.

Suggested Motion/Action:

Recommendation of approval of the proposed MSC – Learning Center
Expansion Landscape and Tree Protection Plan.

Requested by:

Ms. Rippey, Senior Planner

Approved by:

Mr. Disher, Town Manager



MEMORANDUM

TOWN OF PONCE INLET, PLANNING AND DEVELOPMENT DEPARTMENT

The Town of Ponce Inlet staff shall be professional, caring, and fair in delivering community excellence while ensuring Ponce Inlet citizens obtain the greatest value for their tax dollar.

To: Cultural Services Board
 From: Patty Rippey, Senior Planner
 Date: November 20, 2023
 Subject: FDP 37-2023 - Review of Landscape and Tree Protection Plans for Marine Science Center – Learning Center Expansion

Location: 100 Lighthouse Drive
Applicant: John Dillard, P.E., Zev Cohen and Associates, Inc.
Staff Recommendation: *Approval*, based on the findings in this memorandum

MEETING DATE: December 4, 2023

1 **Introduction**

2 The applicant, representing Volusia County, lessee, as authorized by the State of Florida, owner,
 3 requests approval of the landscape and tree protection plans for the expansion of the Marine
 4 Science Center Learning Center. Pursuant to Section 4.10.5 of the Land Use and Development
 5 Code (LUDC), landscape plans submitted in association with a final development plan application
 6 shall be referred to the Cultural Services Board for review and comment prior to review by the
 7 Planning Board and/or Town council. The landscape plan is one component of the final site
 8 development plan package that will be provided to the Planning Board and Town Council in
 9 December and January respectively. The Board is now asked to provide a recommendation to the
 10 Planning Board and Town Council on the landscape plan and tree protection plan.

11 **Property Overview**

12 The subject area is located west of S. Atlantic Avenue at 100 Lighthouse Drive (see **Attachment**
 13 **1**). The entire Marine Science Center (MSC) property as bounded by Atlantic Avenue to the east,
 14 Lighthouse Drive to the south, Peninsula Drive to the west, and the lighthouse preservation
 15 association property to the north is approximately 5.9 acres; however, only the Learning Center
 16 expansion and parking lot portion of the site will be discussed for purpose of this report.

17
 18
 19 The subject property is zoned P/I (Public/Institutional) and has a corresponding future land use
 20 map designation of *Public/Institutional* that is consistent with the zoning district. The P/I zoning

21 district permits activity of federal, state, and local governments as well as quasi-public and private
22 activities or facilities that will serve the public interest in an educational, recreational, or scientific
23 context. The property is also located in the Lighthouse Overlay District (LOD) and is subject to
24 the supplementary regulations for properties within 750 feet from the historic lighthouse.
25

26 The subject site area is currently developed with an existing learning center, turtle rehabilitation
27 sanctuary, turtle commissary, bird rehabilitation sanctuary, raptor exhibit, and natural vegetation.
28 A limited area is proposed to be cleared to accommodate the proposed Learning Center building
29 expansion.
30

31 **Review of Application**

32 The project includes the expansion of the education building (1,658 SF) and the addition of a turtle
33 quarantine deck (1,064 SF). The learning center expansion will replace an existing small classroom
34 to provide an improved indoor area for summer programs. The quarantine deck will not be open
35 to the public. The quarantine deck will provide an isolated area for sick turtles to prevent disease
36 or infection from spreading to other turtles. There will be 22 parking spaces added to the expanded
37 parking lot and a new sidewalk connecting the parking lot to an existing sidewalk. The access
38 driveway to the project area will remain in its existing location.
39

40 The landscape plan has been designed to meet the Town's tree protection and landscaping
41 requirements to the greatest extent possible, balancing the desire for lush landscaping with the
42 need for cleared space for the expanded structure and parking lot. The landscape plans were
43 initially submitted on May 23, 2023. The plans were then reviewed by the staff Development
44 Review Team (DRT) for completeness and compliance with code provisions. Revised plans were
45 submitted October 6, 2023. The October 6, 2023, plans are attached to this report for the Board's
46 review. The significant aspects are discussed below:
47

48 Tree Protection and Removal

- 49 A. The plan (see **Attachment 2**) calls for the removal of 18 Live Oak trees, 3 Bay trees and 2
50 Cedar trees, of which zero are specimen-size trees. Because trees are being preserved
51 outside of the designated protection zone, the replacement ratio is 1:1. Furthermore,
52 pursuant to LUDC 4.10.4.E, heavily wooded lots do not require tree replacements if located
53 within the building footprint and driveway. All trees proposed to be removed are located
54 either within the building footprint or the access driveway. Therefore, the number of trees
55 which must be replaced or mitigated is zero.
- 56 B. The subject property is a heavily wooded lot that has an extensive tree canopy. All existing
57 trees and vegetation outside of the project area will be preserved.

58 Landscape Planting Plan

- 59 A. Landscape requirements for nonresidential developments are a combination of:
60 1) bufferyard plantings within required setback areas;
61 2) landscape coverage based on the overall size of the property and required landscape
62 areas;
63 3) landscaping around vehicular parking areas, and
64 4) building foundation and accent plantings.

65

66 The proposed plan meets the number of trees and shrubs required for bufferyard and
67 landscape coverage through existing vegetation on the MSC property. The landscape plan
68 (see **Attachment 3**) proposes planting 64 new trees and 414 new shrubs adjacent to the
69 Learning Center structure exterior, parking lot, sidewalk, and abutting the public boat
70 trailer parking lot on S. Peninsula. All species proposed are native to this part of Florida
71 and will therefore be able to survive with minimal maintenance once established.

72

73 **Recommendation**

74 Based on the findings in this report, Staff recommends approval of the proposed MSC – Learning
75 Center Expansion landscape and tree protection plan.

76

77

78

79

80

Patty Rippey, Senior Planner

November 20, 2023
Date

81

82 Attachments:

83

1. Location map

84

2. Tree Protection & Removal Plan

85

3. Landscape Plan

ATTACHMENT 1 – LOCATION MAP



Case No.: FDP 37-2023
Applicant: Town of Ponce Inlet
Property Address/Location: 100 Lighthouse Drive

Summary of Request: To approve proposed landscape plan for the Marine Science Center – Learning Center Expansion.



LOCATION MAP

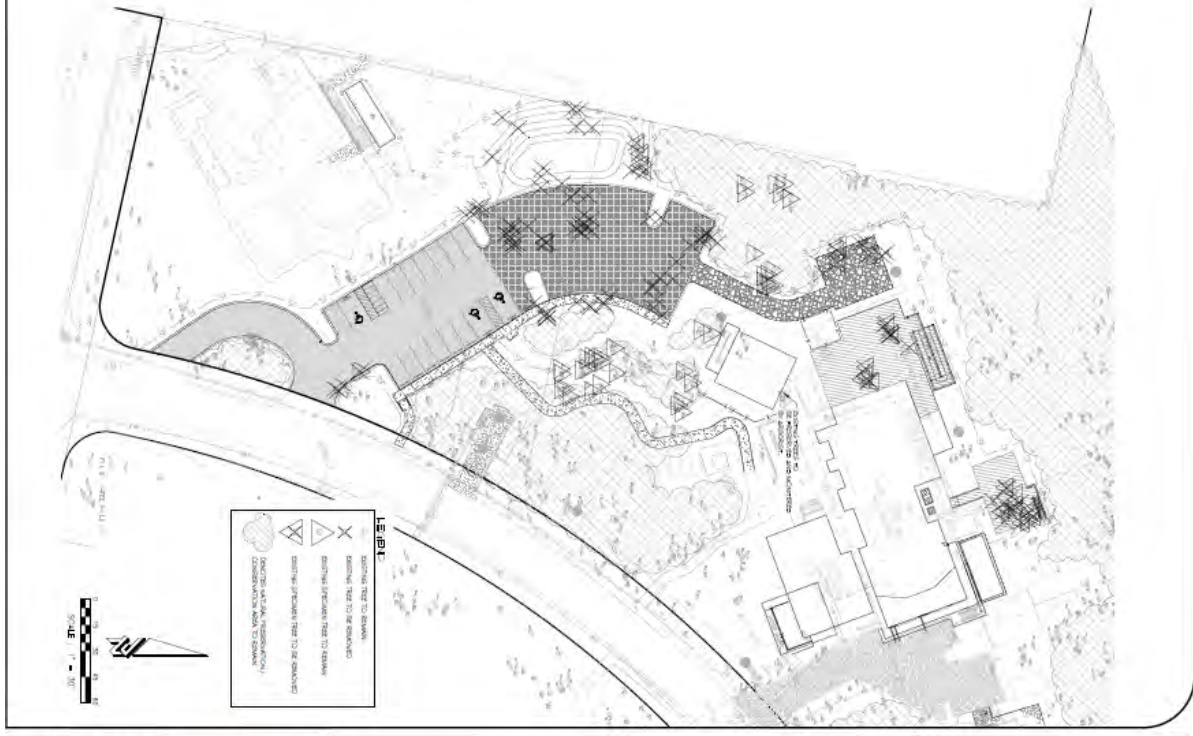
TOWN OF PONCE INLET



ATTACHMENT 2 – TREE PROTECTION PLAN

TREE REMOVED PER PLAN

ID	DATE	REVISION	BY	DESCRIPTION
1	12/28/23	1	AS	ISSUED FOR PERMITS
2	1/10/24	2	AS	REVISIONS TO TREE PROTECTION PLAN
3	1/10/24	3	AS	REVISIONS TO TREE PROTECTION PLAN
4	1/10/24	4	AS	REVISIONS TO TREE PROTECTION PLAN
5	1/10/24	5	AS	REVISIONS TO TREE PROTECTION PLAN
6	1/10/24	6	AS	REVISIONS TO TREE PROTECTION PLAN
7	1/10/24	7	AS	REVISIONS TO TREE PROTECTION PLAN
8	1/10/24	8	AS	REVISIONS TO TREE PROTECTION PLAN
9	1/10/24	9	AS	REVISIONS TO TREE PROTECTION PLAN
10	1/10/24	10	AS	REVISIONS TO TREE PROTECTION PLAN
11	1/10/24	11	AS	REVISIONS TO TREE PROTECTION PLAN
12	1/10/24	12	AS	REVISIONS TO TREE PROTECTION PLAN
13	1/10/24	13	AS	REVISIONS TO TREE PROTECTION PLAN
14	1/10/24	14	AS	REVISIONS TO TREE PROTECTION PLAN



TP1

TREE PROTECTION PLAN AND DETAILS

DATE: 12/28/23
 DRAWN BY: AS
 CHECKED BY: AS
 APPROVED BY: AS

**MARINE SCIENCE CENTER
 EDUCATION BUILDING
 ADDITIONS & ALTERATIONS**

PONCE INLET, FLORIDA
 COUNTY OF VOLUSIA

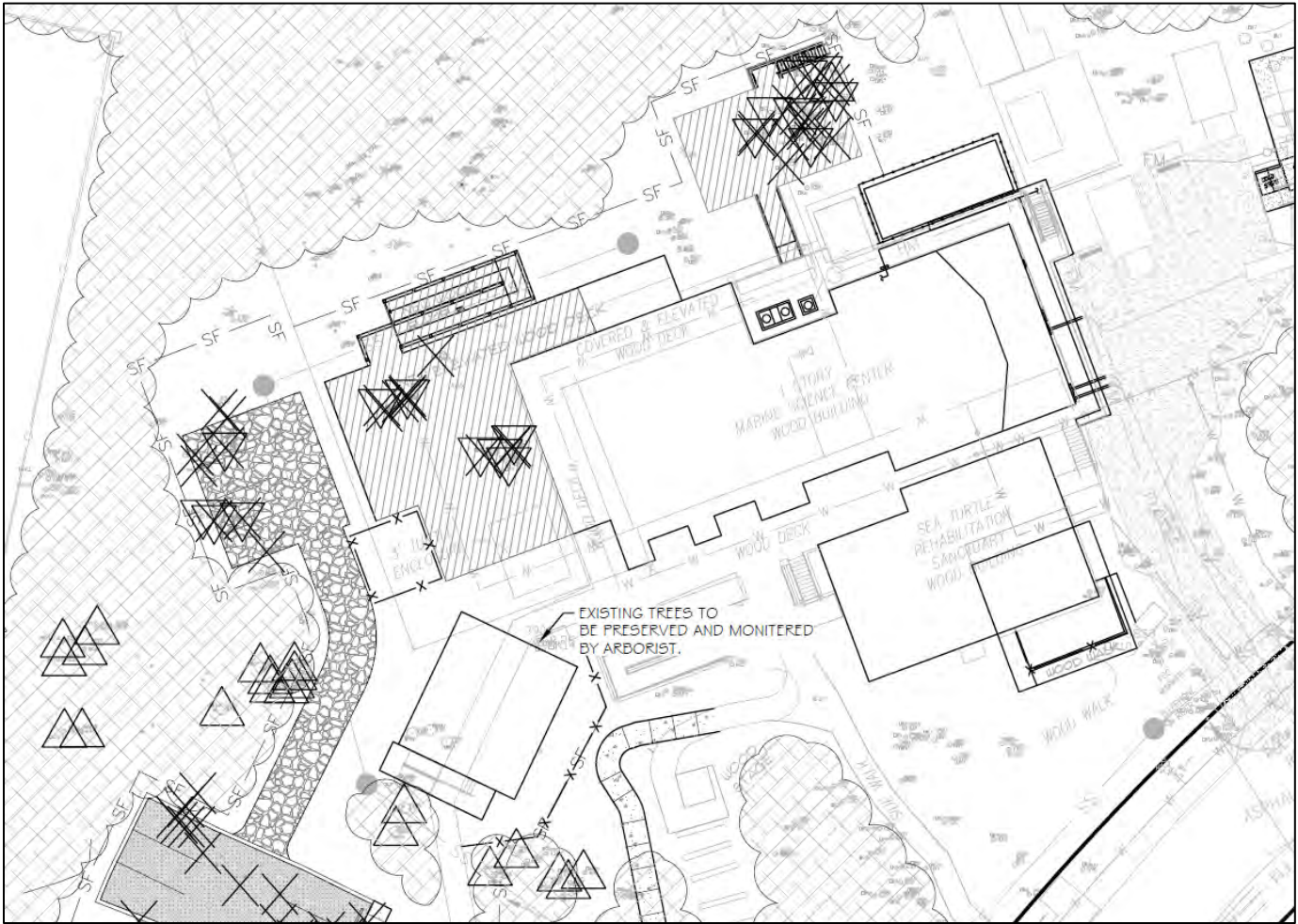
REVISIONS

NO.	DATE	DESCRIPTION
1	12/28/23	ISSUED FOR PERMITS
2	1/10/24	REVISIONS TO TREE PROTECTION PLAN
3	1/10/24	REVISIONS TO TREE PROTECTION PLAN
4	1/10/24	REVISIONS TO TREE PROTECTION PLAN
5	1/10/24	REVISIONS TO TREE PROTECTION PLAN
6	1/10/24	REVISIONS TO TREE PROTECTION PLAN
7	1/10/24	REVISIONS TO TREE PROTECTION PLAN
8	1/10/24	REVISIONS TO TREE PROTECTION PLAN
9	1/10/24	REVISIONS TO TREE PROTECTION PLAN
10	1/10/24	REVISIONS TO TREE PROTECTION PLAN
11	1/10/24	REVISIONS TO TREE PROTECTION PLAN
12	1/10/24	REVISIONS TO TREE PROTECTION PLAN
13	1/10/24	REVISIONS TO TREE PROTECTION PLAN
14	1/10/24	REVISIONS TO TREE PROTECTION PLAN

ZEV COHEN & ASSOCIATES, P.C.
 REGISTERED PROFESSIONAL ENGINEERS
 STATE OF FLORIDA
 LICENSE NO. 12089
 www.zevcohen.com

HALL & OGLE ARCHITECTS, INC.
 100 MANICILLA AVENUE
 DAYTONA BEACH, FLORIDA 32114
 www.hallandogle.com
 PHONE: 386-440-4400
 FACSIMILE: 386-440-0000

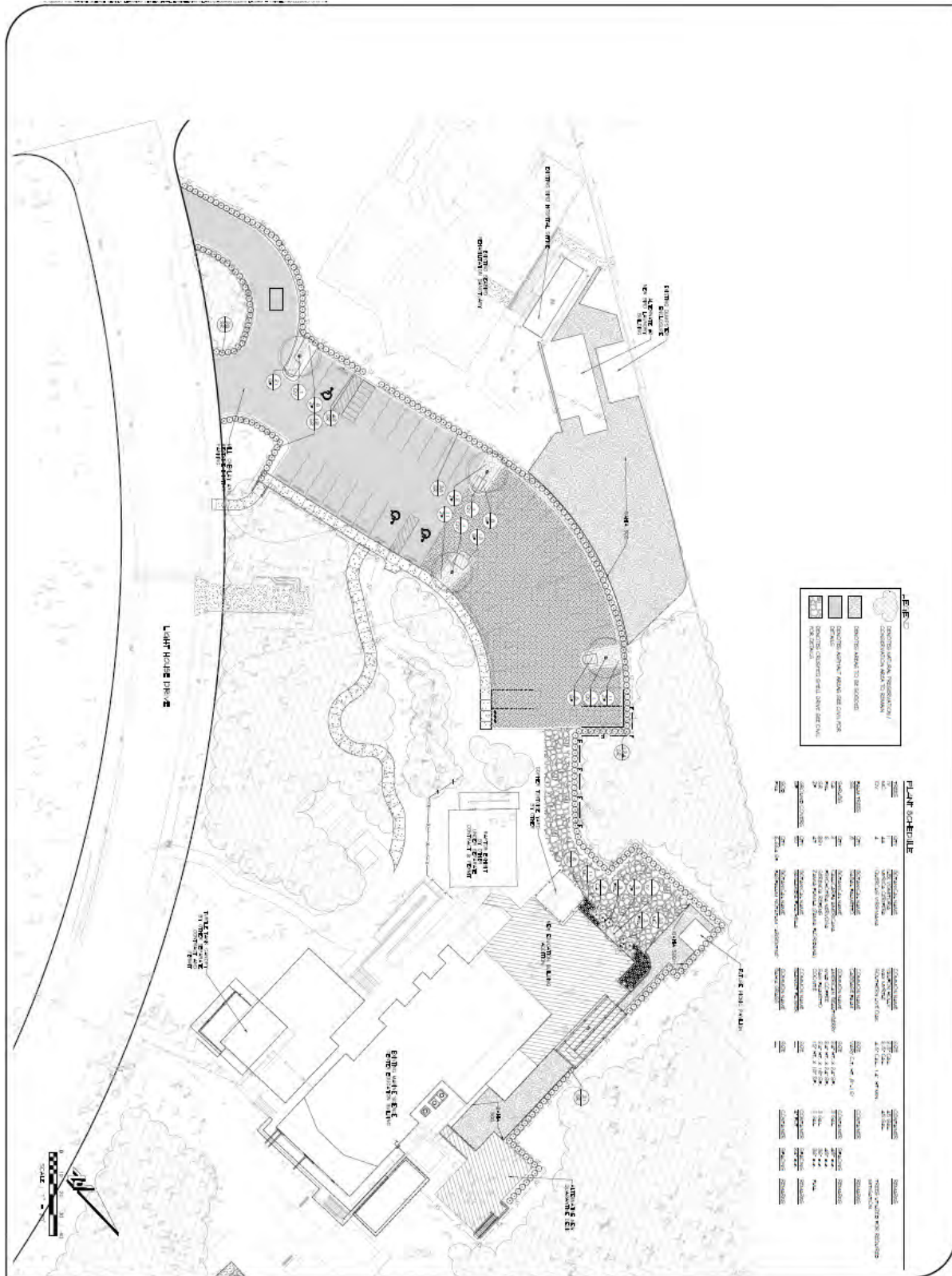
TREE PROTECTION PLAN - DETAILS



TREE PROTECTION PLAN - DETAILS



ATTACHMENT 3 - LANDSCAPE PLAN



LEGEND

- EXISTING LANDSCAPE VEGETATION
- PROPOSED LANDSCAPE VEGETATION
- PROPOSED LANDSCAPE MATERIAL
- PROPOSED LANDSCAPE DETAIL

PLAN SCHEDULE

NO.	DATE	DESCRIPTION	BY	CHKD.	DATE	DESCRIPTION	BY	CHKD.
1	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC
2	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC
3	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC
4	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC
5	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC
6	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC
7	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC
8	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC
9	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC
10	12/15/2023	ISSUE FOR PERMITS	JAC	JAC	12/15/2023	ISSUE FOR PERMITS	JAC	JAC

JAC CONSULTING, P.A.
 1500 N.W. 22ND AVENUE, SUITE 200
 MIAMI, FLORIDA 33135
 TEL: 305.555.1234
 WWW.JACCONSULTING.COM

**MARINE SCIENCE CENTER
 EDUCATION BUILDING
 ADDITIONS & ALTERATIONS**
 PONCE INLET, FLORIDA
 COUNTY OF VOLUSIA

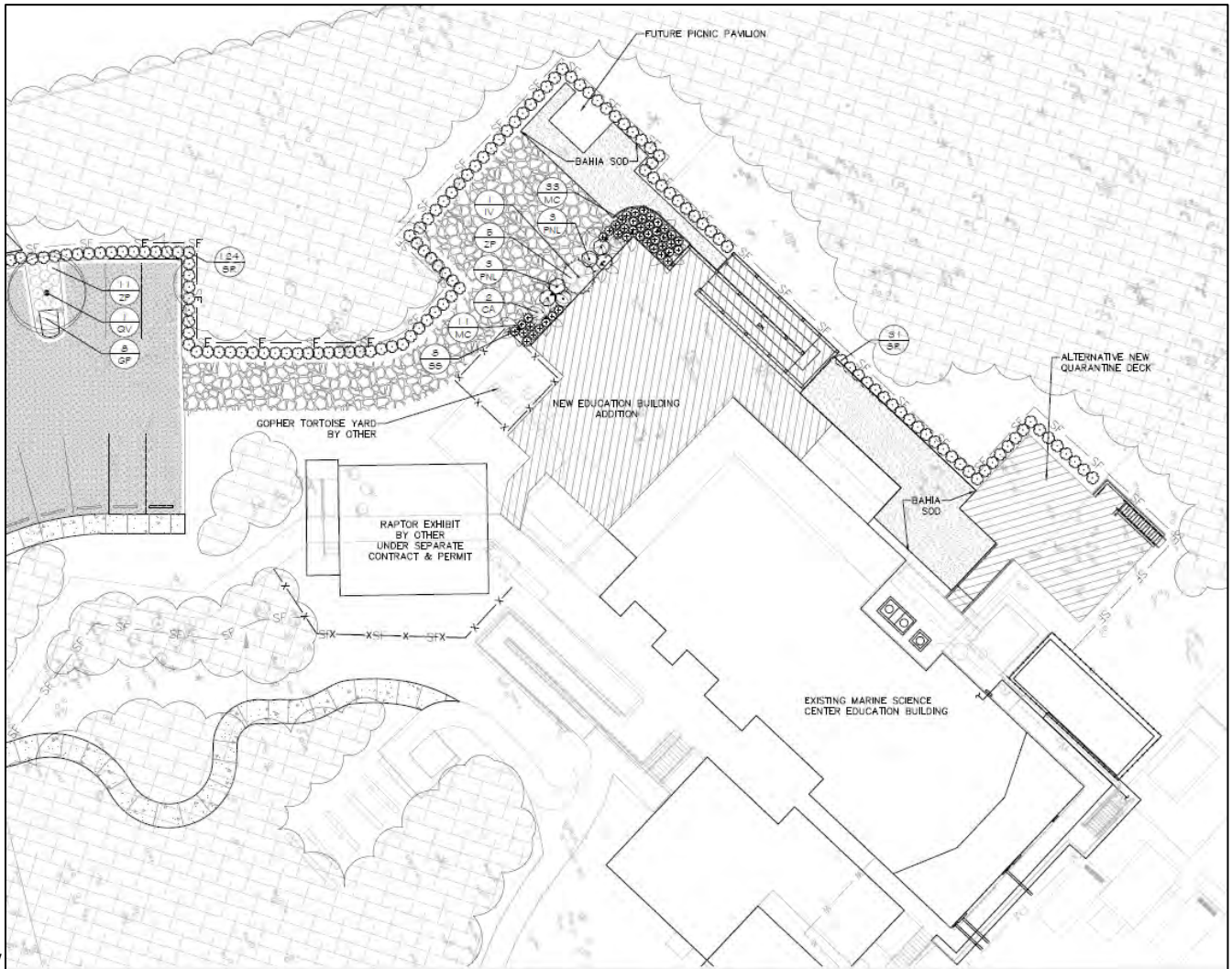
REVISIONS

NO.	DATE	DESCRIPTION
1	12/15/2023	ISSUE FOR PERMITS
2	12/15/2023	ISSUE FOR PERMITS
3	12/15/2023	ISSUE FOR PERMITS
4	12/15/2023	ISSUE FOR PERMITS
5	12/15/2023	ISSUE FOR PERMITS
6	12/15/2023	ISSUE FOR PERMITS
7	12/15/2023	ISSUE FOR PERMITS
8	12/15/2023	ISSUE FOR PERMITS
9	12/15/2023	ISSUE FOR PERMITS
10	12/15/2023	ISSUE FOR PERMITS

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 MIAMI, FLORIDA 33135
 TEL: 305.555.1234
 WWW.HALLANDOGLE.COM

LANDSCAPE PLAN - DETAIL

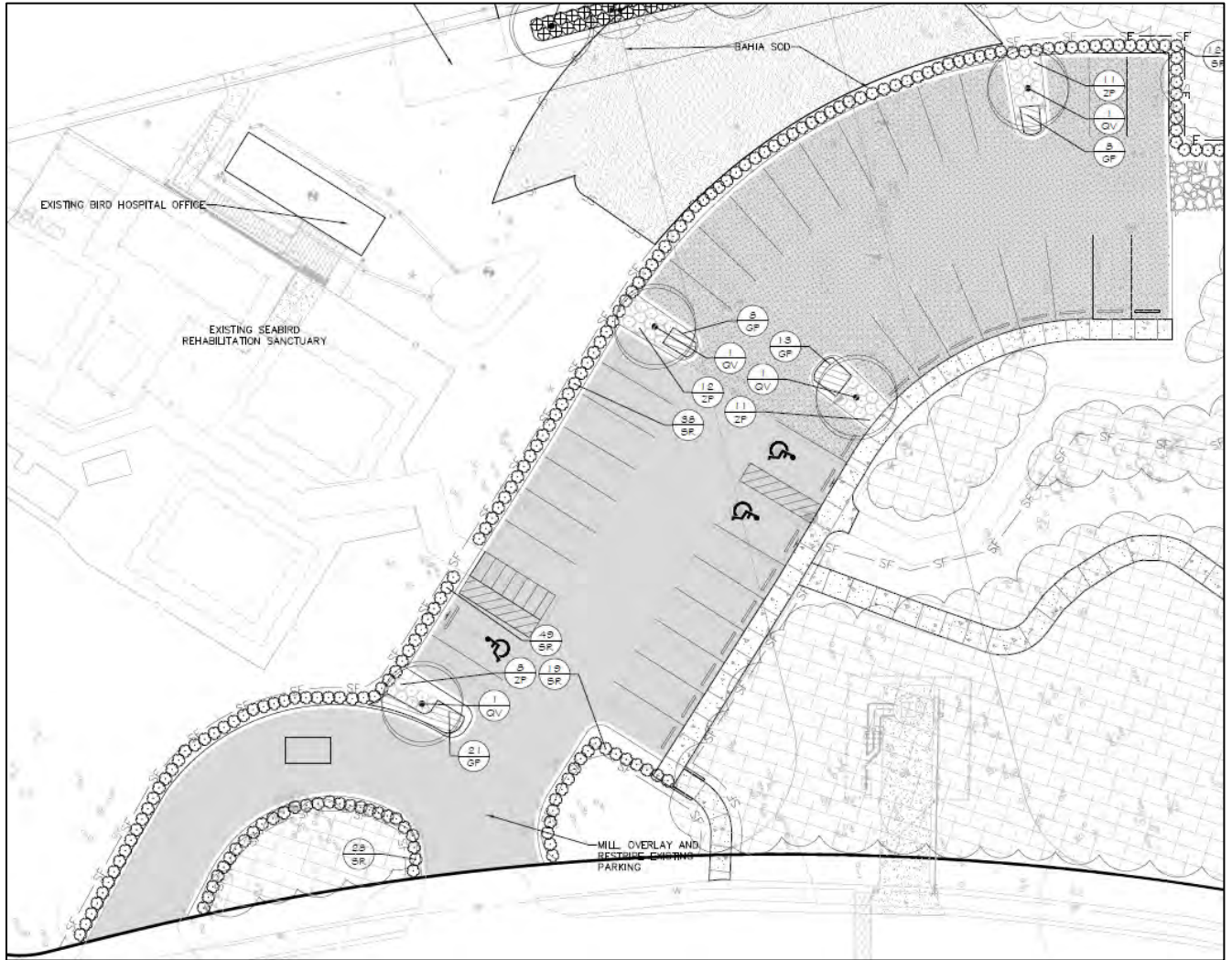


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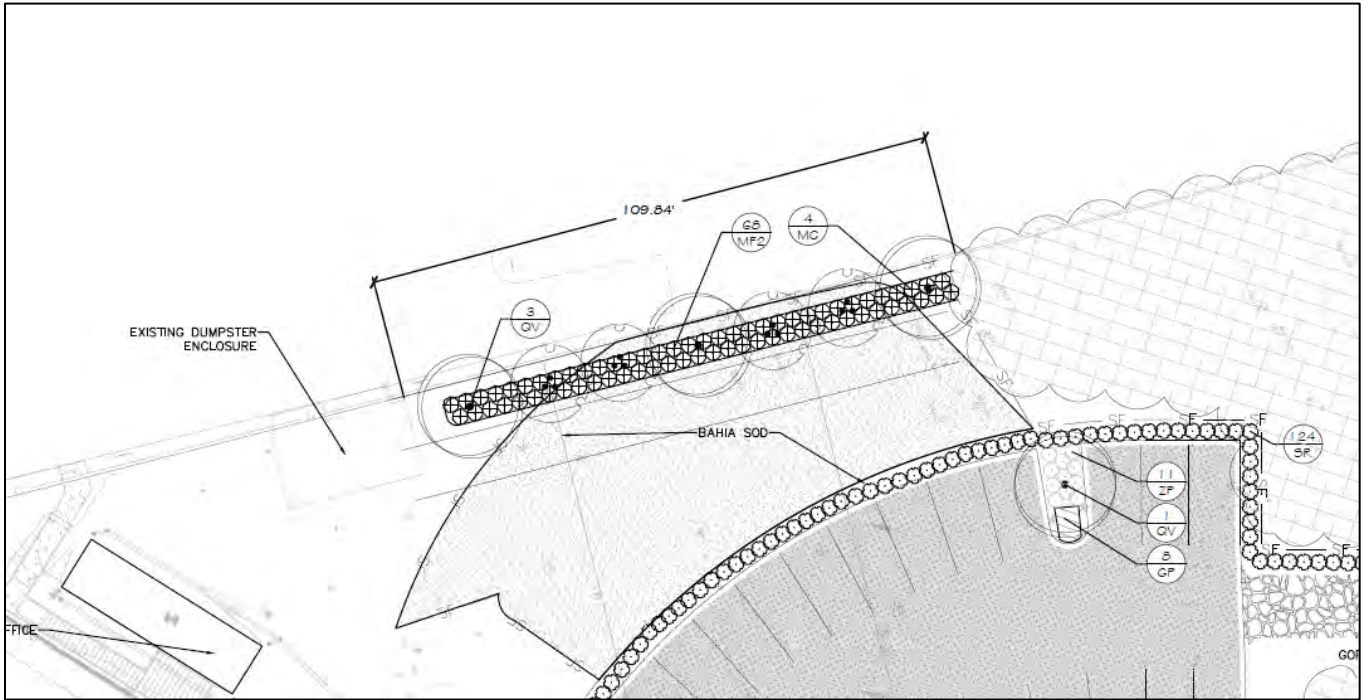
LANDSCAPE PLAN - DETAIL



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LANDSCAPE PLAN - DETAIL



PLANT SCHEDULE

<u>TREES</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	
IV	1	ILEX VOMITORIA	YAUFON HOLLY	2.5" CAL.	45 GAL.	
MC	48	MYRICA CERIFERA	WAX MYRTLE	2.5" CAL.	45 GAL.	
QV	7	QUERCUS VIRGINIANA	SOUTHERN LIVE OAK	4.5" CAL., 14' HT MIN.		
<u>PALM TREES</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	
SS	8	SABAL PALMETTO	CABBAGE PALM	VARY C.T. HT. 8'-16'		
<u>SHRUBS</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>SPACING</u>
CA	2	CALLICARPA AMERICANA	AMERICAN BEAUTYBERRY	24" HT. X 24" SP.	3 GAL.	48" o.c.
MF2	68	MYRCIANTHES FRAGRANS	SIMPSON STOPPER	24" HT. X 18" SP.	3 GAL.	36" o.c.
PNL	6	PSYCHOTRIA NERVOSA	WILD COFFEE	24" HT. X 24" SP.		48" o.c.
SR	291	SERENOA REPENS	SAW PALMETTO	24" HT. X 18" SP.	3 GAL.	36" o.c.
ZF	47	ZAMIA PUMILA (ZAMIA FLORIDANA)	COONTIE	15" HT. X 18" SP.	3 GAL.	36" o.c.
<u>GROUND COVERS</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>SPACING</u>
GP	50	GAILLARDIA PULCHELLA	BLANKET FLOWER	---	4" POT	24" o.c.
<u>SOD</u>	<u>QTY</u>	<u>BOTANICAL NAME</u>	<u>COMMON NAME</u>	<u>SIZE</u>	<u>CONTAINER</u>	<u>SPACING</u>
PNA	5,494 SF	PASPALUM NOTATUM 'ARGENTINE'	BAHIA GRASS	---		