

The Sanctuary Waterway Committee

Jeff Bailey

Kim Popovich

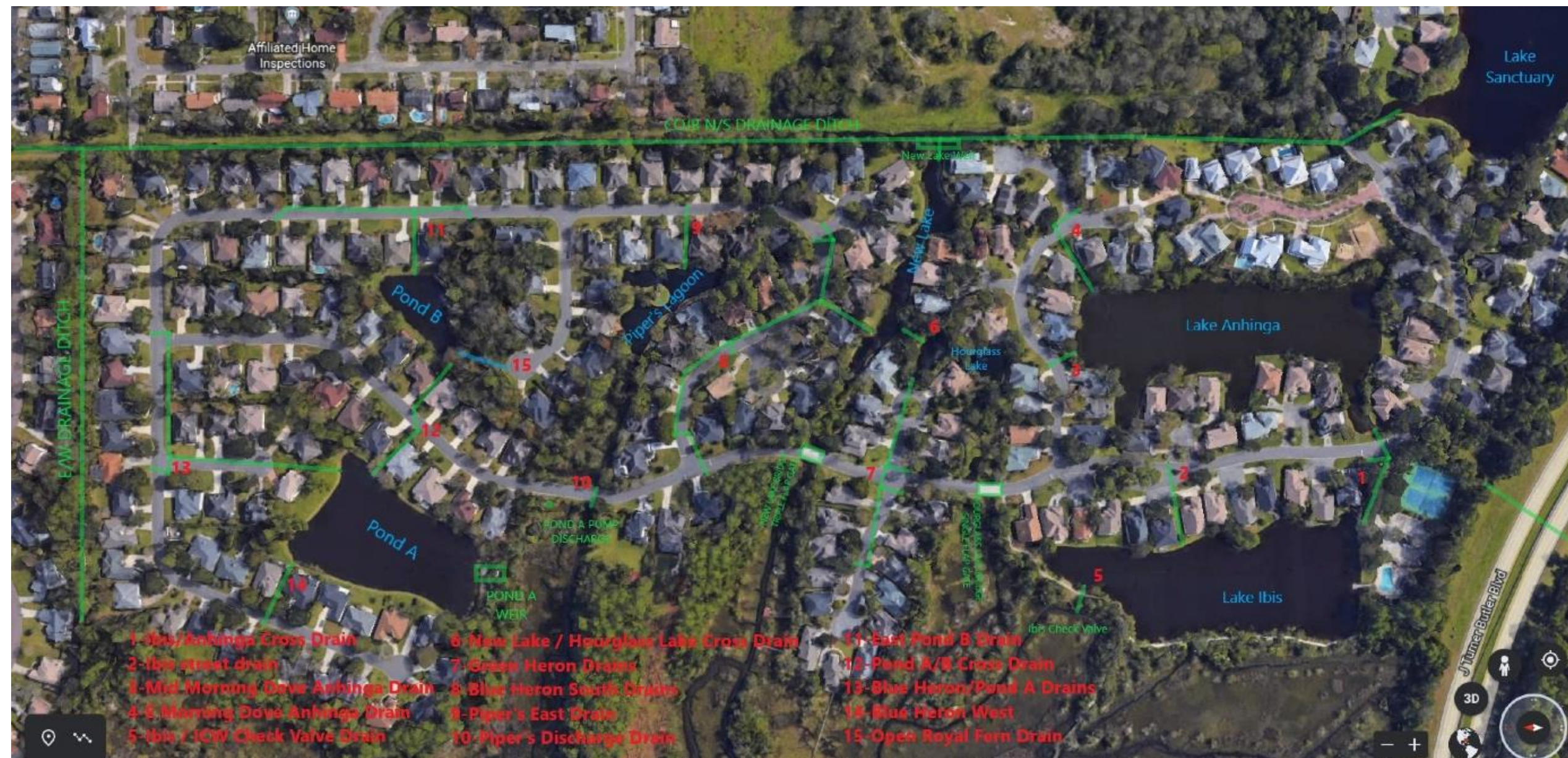
Bob Sanders

John Tesh

Wynn Watson

Dave Yow

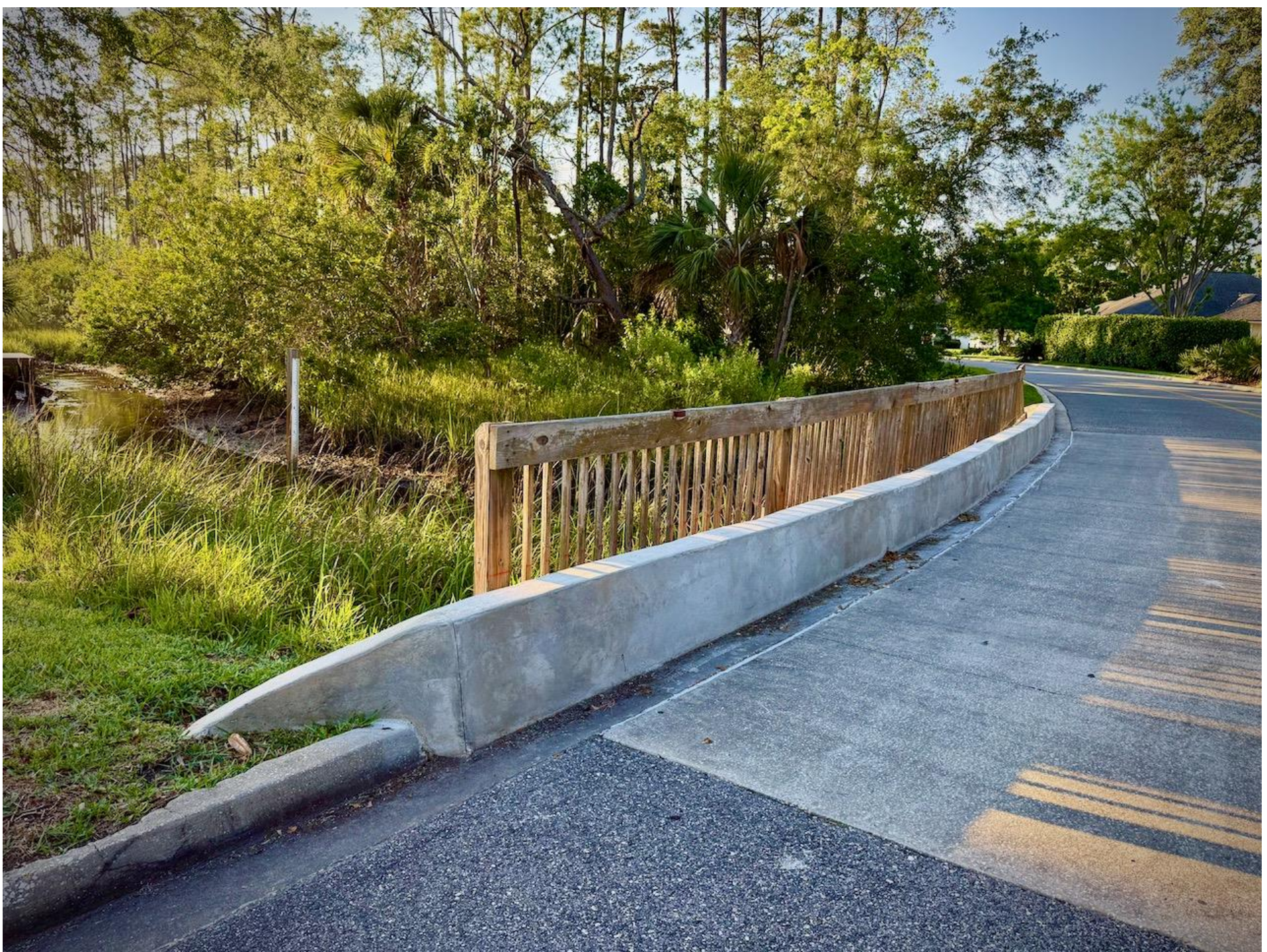
Engineering Consultant John Nevin

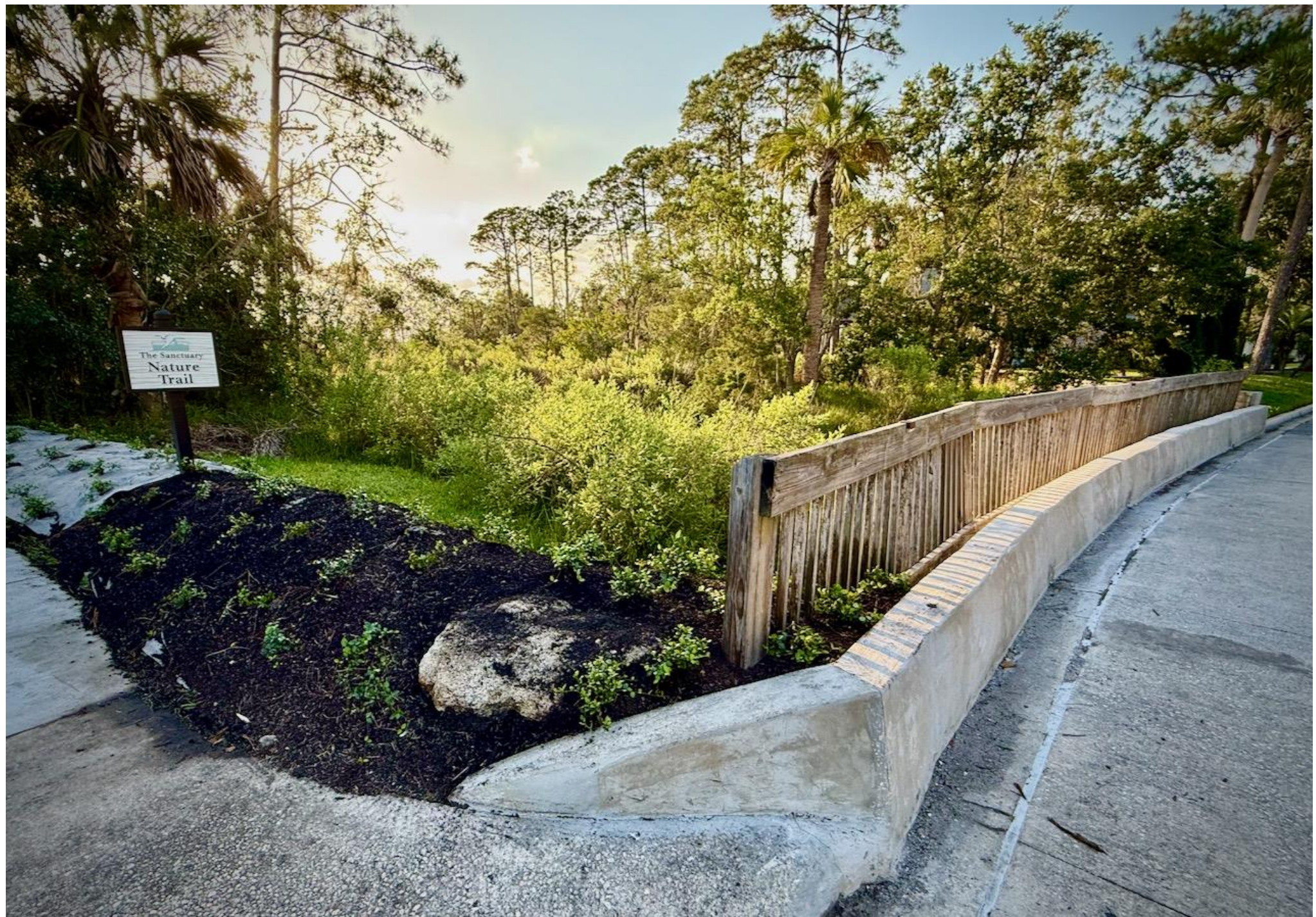




Hurricane Ian September 29, 2022







PREPARED FOR
**THE SANCTUARY
OWNERS ASSOCIATION**

JAX BEACH, FLORIDA

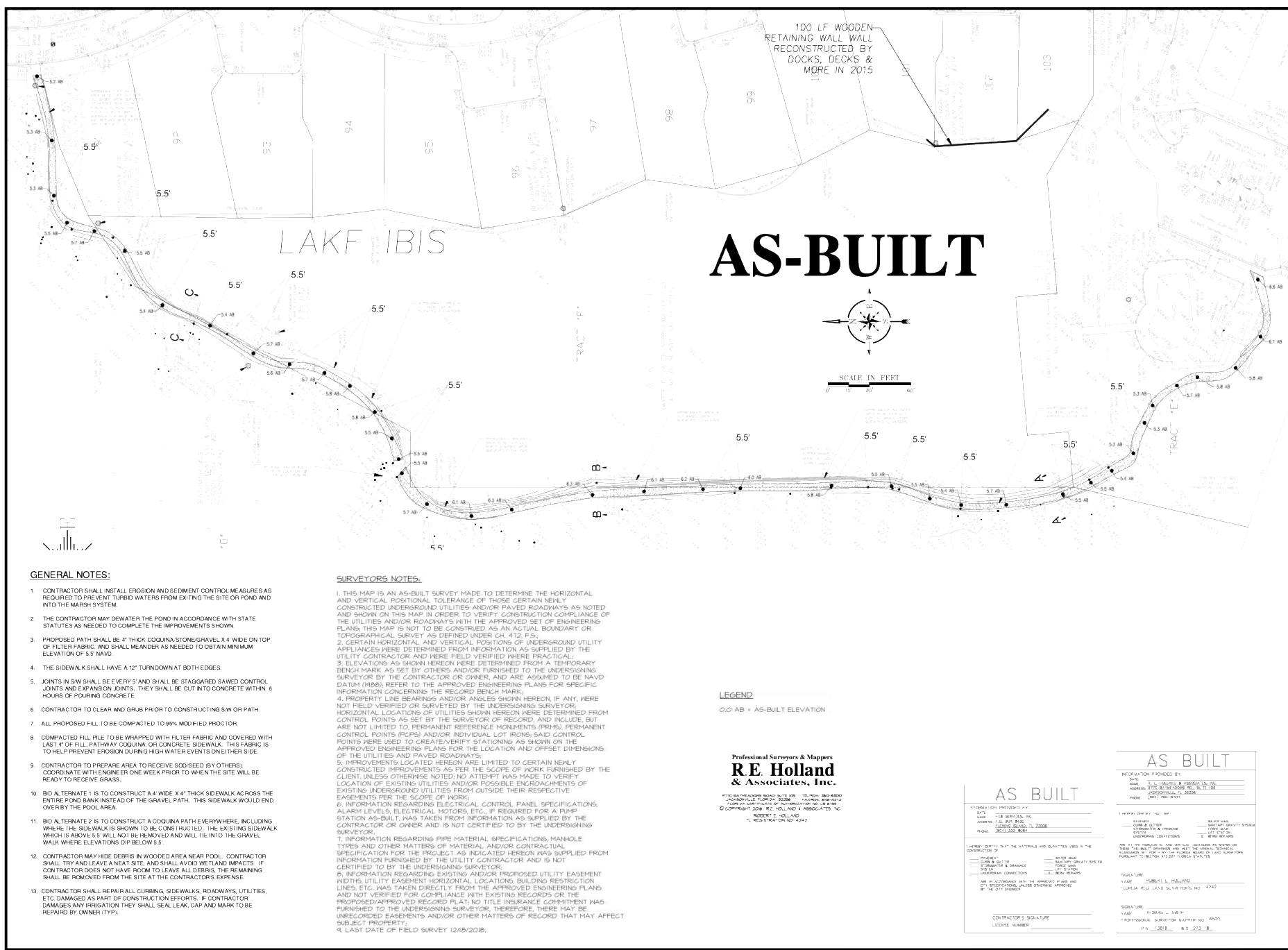
**THE SANCTUARY
LAKE IBIS
BERM REPAIRS**

SANCTUARY BLVD
JACKSONVILLE BEACH, FL

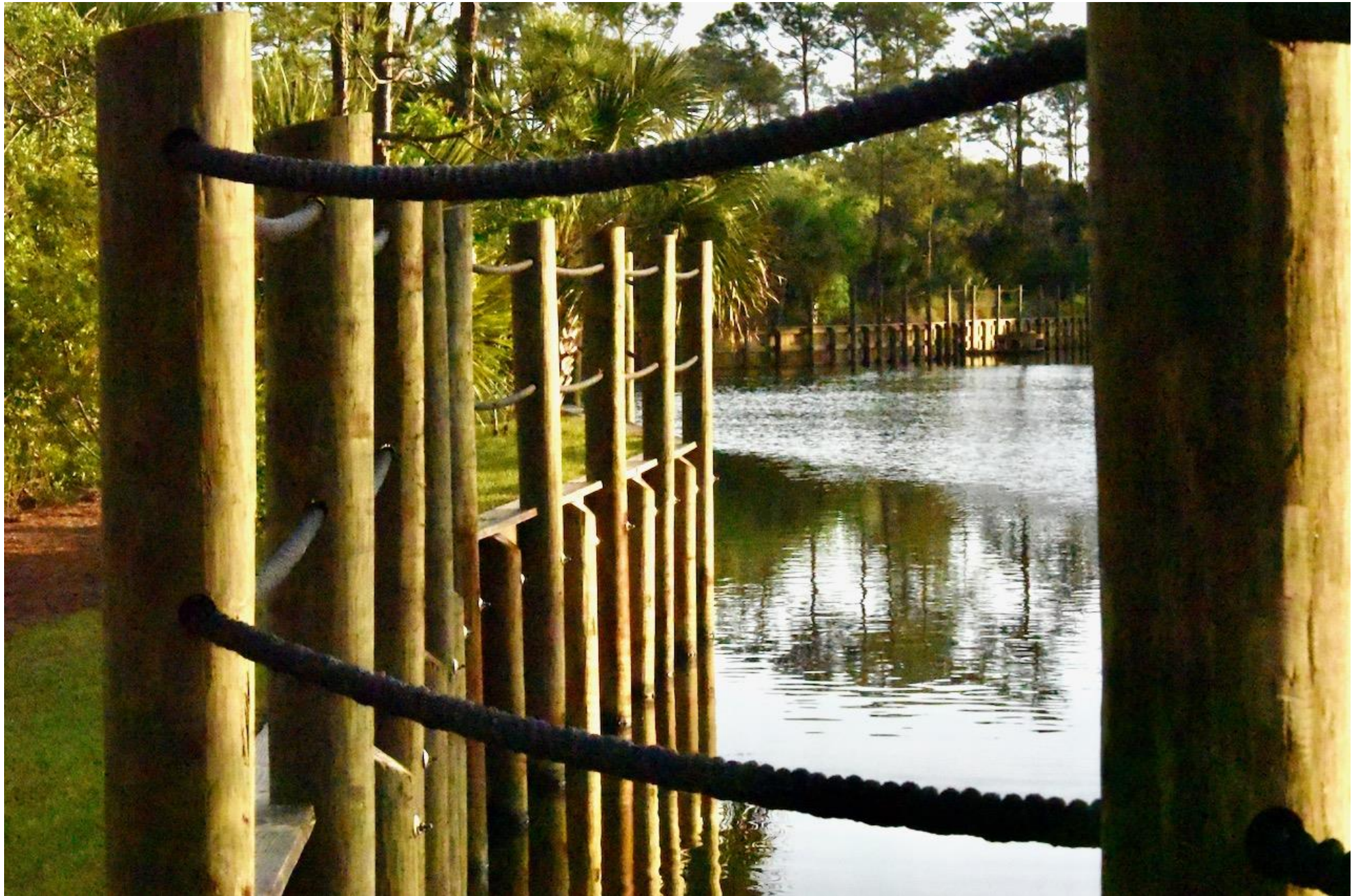
DATE: JULY, 2018
PROJECT NO.: 11263
DESIGNED BY: GOODSON NEVIN & ASSOCIATES
DRAWN BY: JEN
SCALE: 1"=30'

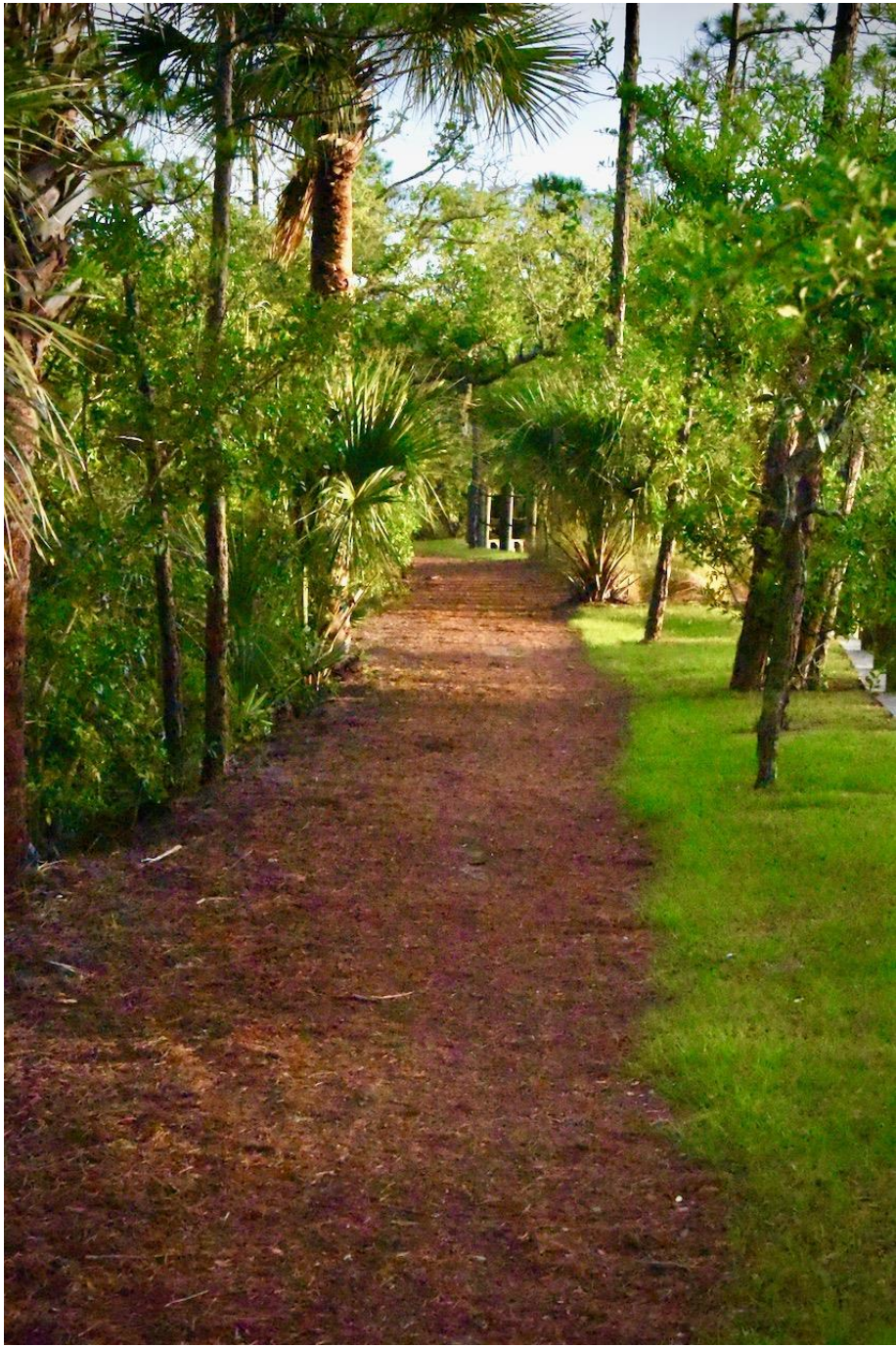
No.	Date	Revision

THIS DRAWING NOT RELEASED FOR
CONSTRUCTION UNLESS SO NOTED
ABOVE.

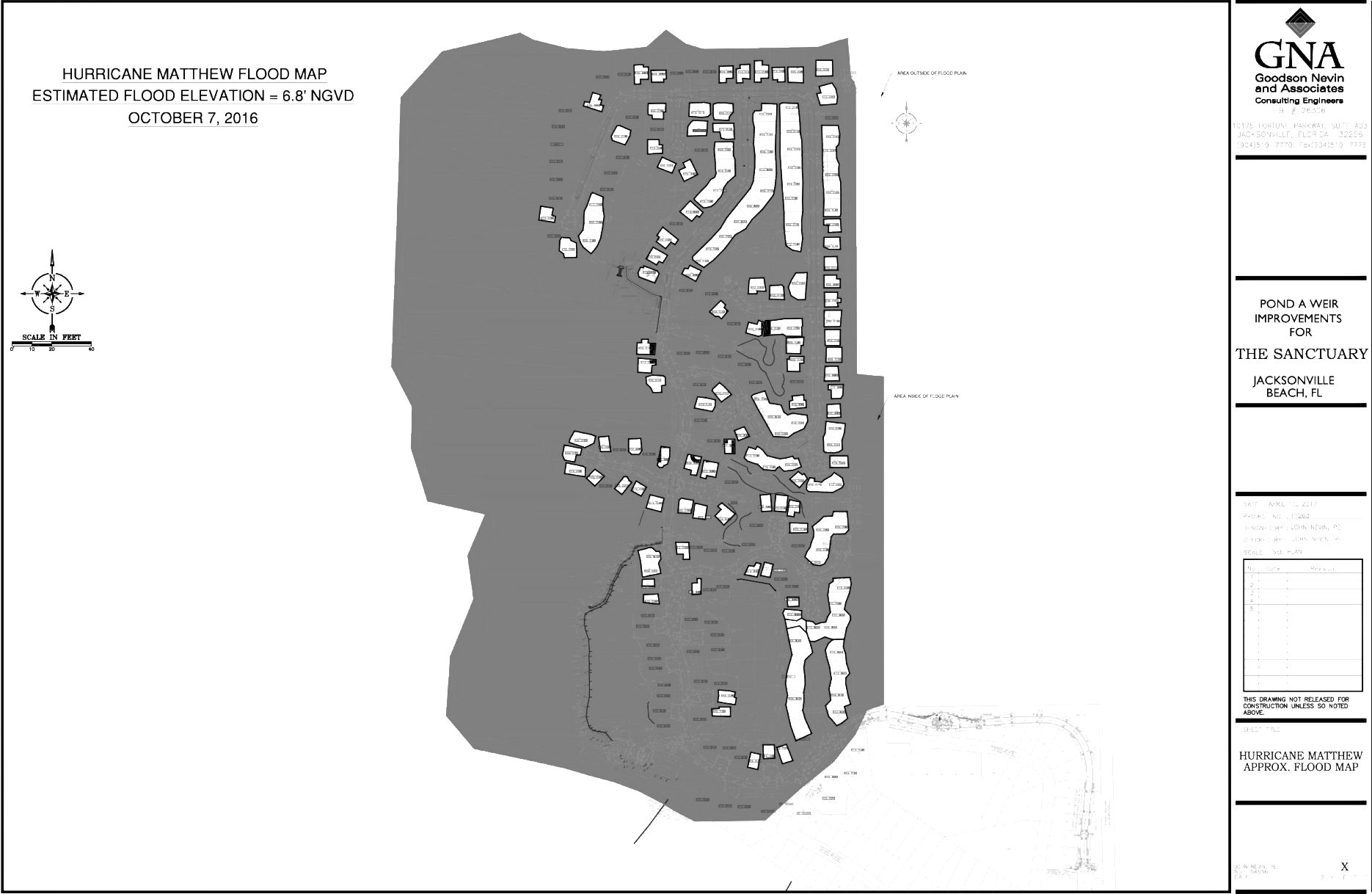








Hurricane Matthew Houses Flooded

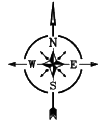


Hurricane Nicole Houses Flooded



With Proposed Improvements

2025 HURRICANE FLOOD MAP
ESTIMATED FLOOD ELEVATION = $\pm 6.4'$ NGVD
NOVEMBER, 2025



AREA INSIDE OF FLOOD PLAIN

AREA OUTSIDE OF FLOOD PLAIN

ESTIMATED POND LEVEL AT
PEAK OF HURRICANE WILL
DEPEND UPON RAINFALL AND
IF SURGE EXCEEDS FLOOD
PROTECTION ELEVATION. OUR
SURGE ELEVATION OF 6.4'
SHOULD NOT BREACH OUR
FLOOD PROTECTION UNLESS
THERE IS CATASTROPHIC
FAILURE.

AREA OUTSIDE OF FLOOD PLAIN

ESTIMATED POND LEVEL AT
PEAK OF HURRICANE WILL
DEPEND UPON RAINFALL AND
IF SURGE EXCEEDS FLOOD
PROTECTION ELEVATION.

ESTIMATED POND LEVEL AT
PEAK OF HURRICANE WILL
DEPEND UPON RAINFALL AND
SURGE ELEVATION.

AREA INSIDE OF FLOOD PLAIN

ESTIMATED POND LEVEL AT
PEAK OF HURRICANE WILL
DEPEND UPON RAINFALL AND
SURGE ELEVATION.

NOTE: FLOOD ELEVATIONS SHOWN ASSUME ALL DESIGNED IMPROVEMENTS COMPLETED

NOTE OF IMPORTANCE: NO DRIVING OF VEHICLES ALONG ROADWAYS WILL BE ALLOWED IF THERE IS
FLOODWATERS AT OR ABOVE THE CURBING IN THE ROADWAY.



Nevin Engineering Services

EB # 32950

701 MARKET STREET
SUITE 106B
ST. AUGUSTINE, FL 32095
(904)728-8722

FLOOD PREVENTION
IMPROVEMENTS
FOR
THE SANCTUARY
AT
JACKSONVILLE
BEACH, FL



DATE: MAY 11, 2022

PROJECT NO.: 19027

DESIGNED BY: JOHN NEVIN, P.E.

DRAWN BY: JOHN NEVIN, P.E.

SCALE: SEE PLAN

No.	Date	Revision

THIS DRAWING NOT RELEASED FOR
CONSTRUCTION UNLESS SO NOTED
ABOVE.

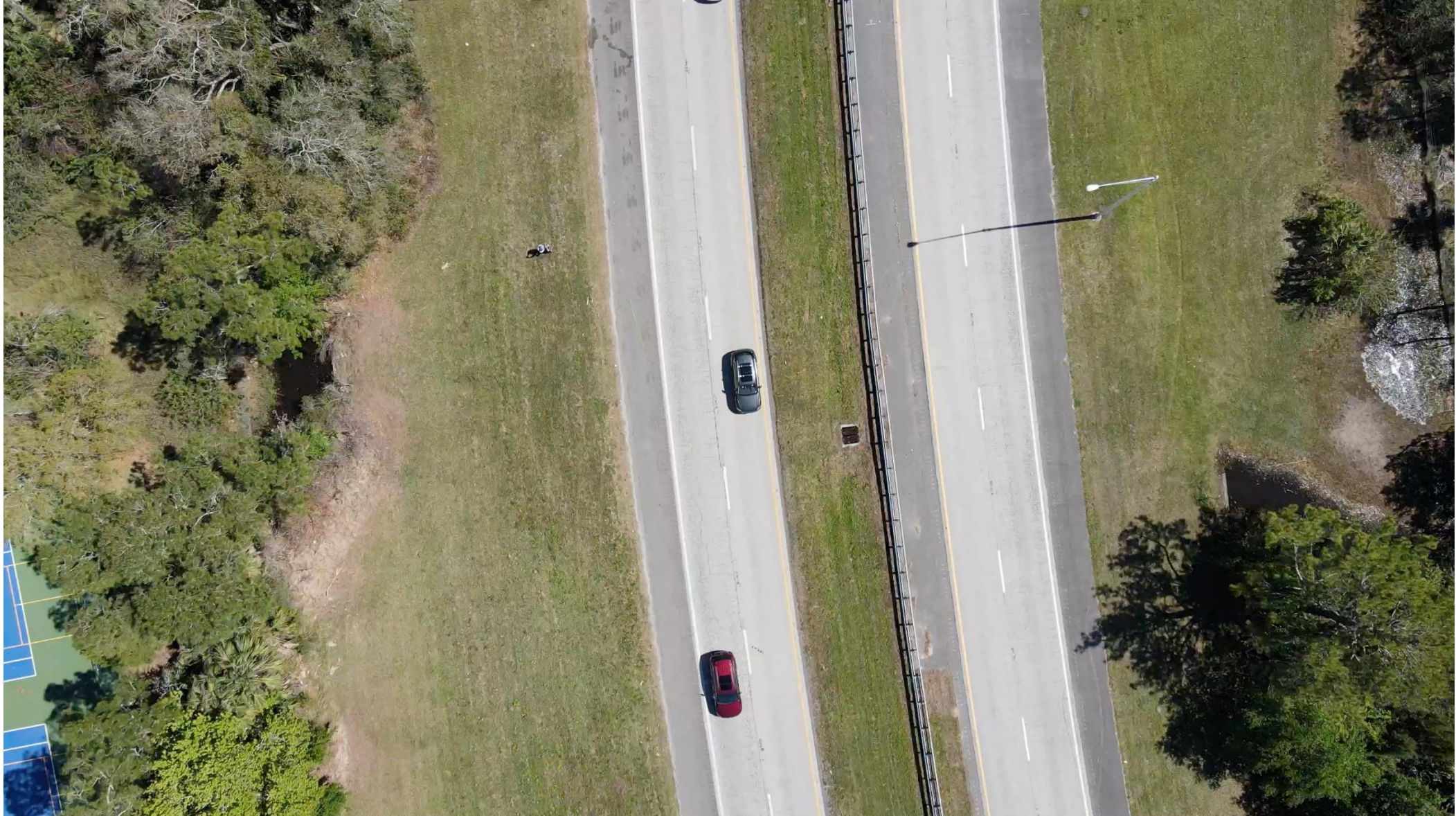
SHEET TITLE:

2025 HURRICANE
FLOOD MAP

JOHN NEVIN, P.E.
LICENSE # 54666
DATE:

3
SHEET

Water Intrusion from South Side of JTB from ICW



Proposed Improvements To Existing Berms



10175 FORTUNE PARKWAY, SUITE 403
JACKSONVILLE, FLORIDA 32256
(904)519 7770, Fax(904)519 7776

POND A WEIR
IMPROVEMENTS
FOR
THE SANCTUARY
JACKSONVILLE
BEACH, FL

DATE : APR. 11, 2017
PROJECT NO. : 11263
DESIGNED BY : JOHN NEVIN, PE
CHECKED BY : JOHN NEVIN, PE
SCALE : SEE PLAN

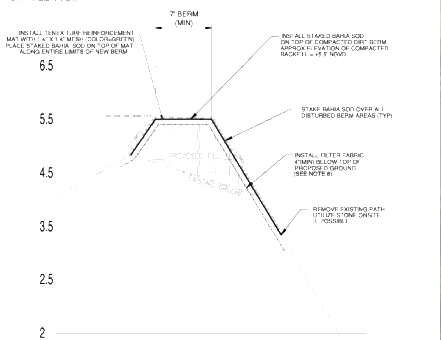
[illegible]

THIS DRAWING NOT RELEASED FOR
CONSTRUCTION UNLESS SO NOTED
ABOVE

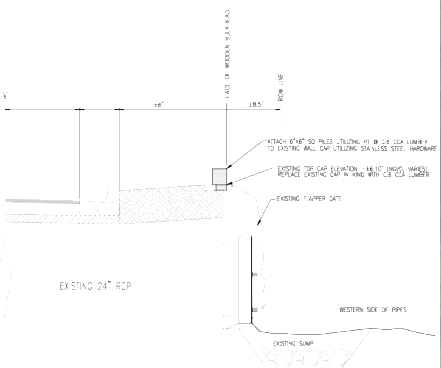
SHEET TITLE

SITE & DRAINAGE PLAN



[illegible]

SECTION A-A
SCALE: 1"=5' H, 1"=1' V



SECTION B-B
SCALE: 1"=5' H, 1"=1' V


GNA
**Goodson Nevin
and Associates**
Consulting Engineers
P.E. # 26308
3175 FORT LANE PARKWAY, SU. 403
JACKSONVILLE, FLORIDA 32265
(904) 519-7770, Fax (904) 519-7772

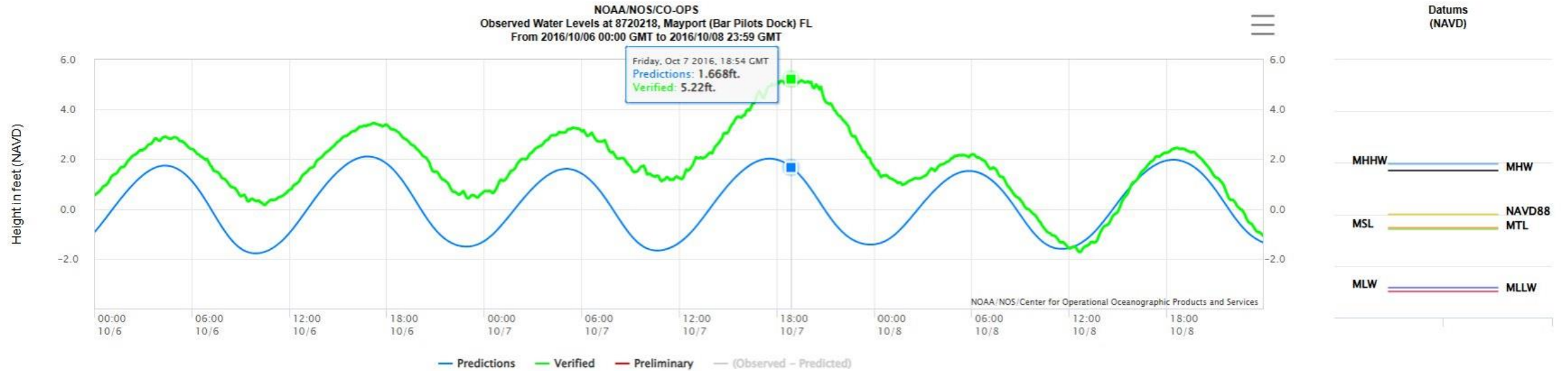
POND A WEIR
IMPROVEMENTS
FOR
THE SANCTUARY
JACKSONVILLE
BEACH, FL

[illegible]

THIS DRAWING NOT RELEASED FOR
CONSTRUCTION UNLESS SO NOTED
ABOVE.

SHEET TITLE

SITE & DRAINAGE PLAN

[Home](#) / [Products](#) / [Water Levels](#) / 8720218 Mayport (Bar Pilots Dock), FL [Favorite Stations](#)
[Station Info](#) [Tides/Water Levels](#) [Sea Level/Coastal Flooding](#) [Meteorological Obs.](#) [Phys. Oceanography](#) [PORTS®](#) [OFS](#)


Options for

8720218 Mayport (Bar Pilots ...

From:

Oct 6 2016

To:

Oct 8 2016

Units

Standard

Timezone

GMT

Datum

NAVD

Shift dates

Back 1 Day Forward 1 Day

Interval

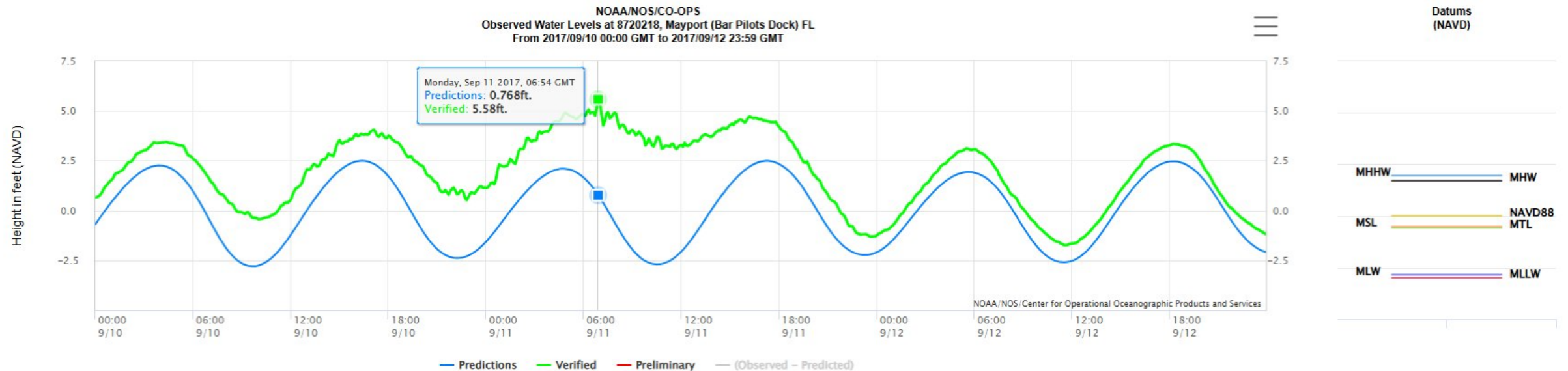
6 min 1 hr H/L Day Month

Update

Plot Data Only

[Home](#) /
 [Products](#) /
 [Water Levels](#) /
 8720218 Mayport (Bar Pilots Dock), FL
 [Favorite Stations](#)

[Station Info](#)
[Tides/Water Levels](#)
[Sea Level/Coastal Flooding](#)
[Meteorological Obs.](#)
[Phys. Oceanography](#)
[PORTS®](#)
[OFS](#)



Options for

8720218 Mayport (Bar Pilots ...

From:

Sep 10 2017

To:

Sep 12 2017

Units

Standard

Timezone

GMT

Datum

NAVD

Shift dates

Back 1 Day Forward 1 Day

Interval

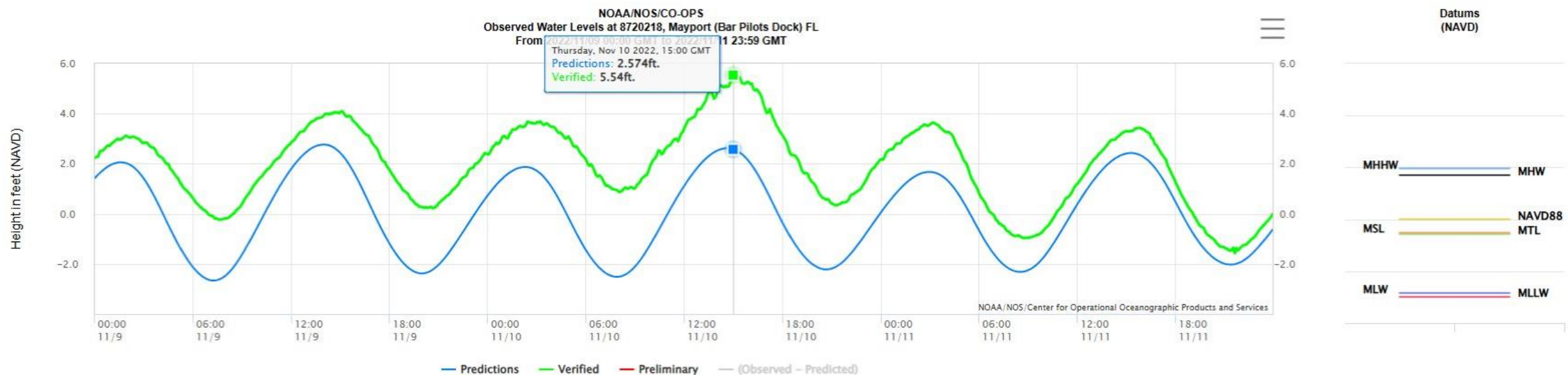
6 min 1 hr H/L Day Month

Update

Plot Data Only

[Home](#) /
 [Products](#) /
 [Water Levels](#) /
 8720218 Mayport (Bar Pilots Dock), FL
 [Favorite Stations](#)

[Station Info](#)
[Tides/Water Levels](#)
[Sea Level/Coastal Flooding](#)
[Meteorological Obs.](#)
[Phys. Oceanography](#)
[PORTS®](#)
[OFS](#)



Options for

8720218 Mayport (Bar Pilots ...

From:

Nov 9 2022

To:

Nov 11 2022

Units

Standard

Timezone

GMT

Datum

NAVD

Shift dates

Interval

Update

NOS/NOAA/CO-OPS
Top-10 Highest Water Levels
8720218, Mayport (Bar Pilots Dock) FL

Units

Standard

Datum

NAVD

[JSON Link](#)

[XML Link](#)

Date	Height (Feet above NAVD)	Event Category	Event	Source
September 11, 2017	5.58	Tropical	Hurricane Irma	Observed Peak Water Level
November 10, 2022	5.54	Tropical	Hurricane Nicole	Observed Peak Water Level
October 7, 2016	5.22	Tropical	Hurricane Matthew	Observed Peak Water Level
September 27, 2004	4.54	Tropical	Hurricane Jeanne	Observed Peak Water Level
November 7, 2021	4.48	Other	Above Normal Tides & Coastal Low Pressure	Observed Peak Water Level
September 29, 2022	4.45	Tropical	Hurricane Ian	Observed Peak Water Level
September 21, 2020	4.40	Other	Above Normal Tides & Onshore Winds	Observed Peak Water Level
September 9, 1964	4.30	Tropical	Hurricane Dora	Inferred Water Level
October 19, 1944	4.20	Tropical	1944 Cuba Florida Hurricane	Inferred Water Level
August 22, 2008	4.16	Tropical	Tropical Storm Fay	Observed Peak Water Level

Listing of the top historical water levels, along with the associated weather event (if known). Most values are based on the 6-minute peak water level observed at the tide gauge. Top historical water levels prior to 1996 are typically based on hourly observations. At times where observed water levels are unavailable, values may be taken from high water marks. For additional information or data, please visit the [Extreme Water Levels](#) website.

Hurricane Ian September 29, 2022



Hurricane Ian September 29, 2022



Hurricane Ian September 29, 2022



Aftermath of Hurricane Ian September 29, 2022

