



ADDENDUM NO. 1

Issue Date: October 10, 2023

Project Name: Sector 3 Hurricanes Ian and Nicole Dune Renourishment Project (IRC-2315)

ITB Number: 2024004

ITB Opening Date: **October 18, 2023**

This addendum is being released to answer questions received to date and provide the pre-bid sign in sheet.

The information and documents contained in this addendum are hereby incorporated in the invitation to bid. **This addendum must be acknowledged where indicated on the Bid form, or the bid may be declared non-responsive.**

Questions and Answers

1.	Are you able to provide an estimate/budget for this project? The Engineer's estimate is \$16,479,613.
2.	Could you please release the original, unscanned version of the plans in PDF format? See attached.
3.	Is turbidity monitoring required? No turbidity monitoring is required as placement will be above MHW, and no in-water work is permitted by Bid Documents.
4.	Is vibration monitoring required? The Sector 3 project has been constructed successfully multiple times over the past ten years without this requirement. If the contractor elects to utilize vibration monitoring, costs should be included within the unit price for placement of sand.
5.	Are inspections of structures, homes & condos along the beach required? Other than the Pre-/Post-Construction condition video and/or photography of access areas listed in 11.8 It is up to the discretion of the Contractor for documentation of project site conditions. The Contractor should take sufficient documentation to protect himself from potential claims.
6.	Is sand sampling of the completed beach (2 samples at each R-monument) required to be done by

Addendum 1

	the contractor? Or engineer?
	The Engineer of Record will collect the 2 samples of the completed beach.
7.	Would the County consider changing the pay unit from surveyed cubic yard, to tons (by weight ticket and certified scale)? This would take a lot of the risk off the contractor and result in a much lower bid price.
	No changes will be made to payment methods within the Bid Documents.
8.	Is the county going to charge fees for working weekends?
	Should approval to work on weekends be sought by the Contractor and approved by the County, the County will waive the after-hours/weekend inspections fees based upon the project schedule as long as the Contractor maintains proper resources on site.
9.	Will the County close the parks identified within the Contract Documents?
	Yes, the County will coordinate and be responsible for closing the Parks to the public. The Contractor is responsible for any security after closure.
10.	Can parks be closed down concurrently?
	Yes, the County has allowed concurrent park closure with historic projects. The Contractor shall give advance notice and anticipated schedule for all closures.
11.	How will impacts/damages to the access areas be addressed?
	There is a line item for site restoration within the bid documents.
12.	Is the basis for payment survey?
	Yes. Please refer to Bid Documents.
13.	How will sea turtle monitoring be handled?
	The Engineer of Record has obtained a sea turtle monitor permitted by FWC to clear the project area during nesting season and as required by permit. The Contractor must wait for the all-clear prior to accessing the beach.
14.	Will the County and Engineer accept drone surveys?
	No, the survey requirements are detailed in the Bid Documents.
15.	How should fill be graded around dune walkovers?
	There will be a walkthrough with the County, Engineer, and Contractor to decide how to place sand around walkovers. Typically, sand is placed under walkovers within the project area.
16.	Do the MOT plans need to be signed and sealed by a PE?
	Yes.
17.	Are any additional permits needed or coordination with the FDOT?
	It is the Contractor's responsibility to obtain permits outside the environment permits detailed in the Bid Documents.

Addendum 1

18.	Can the County provide an estimated volume breakdown by R-Monument.
	See attached Volumes by R-Monument information.
19.	Please provide a copy of the Sign in Sheet for the Pre-Bid Meeting.
	Attached

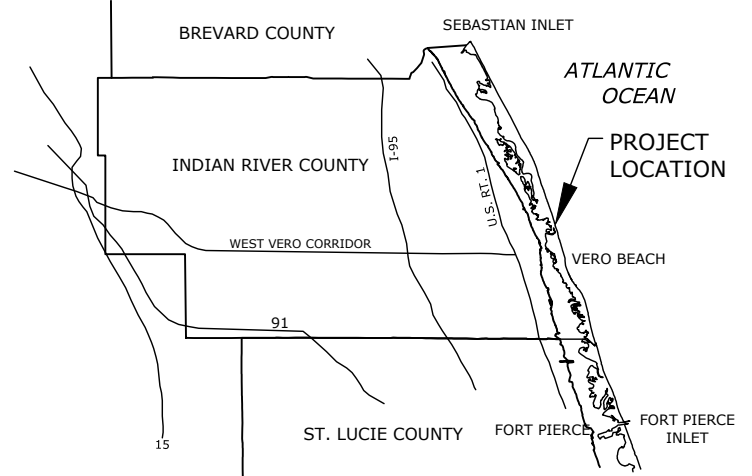
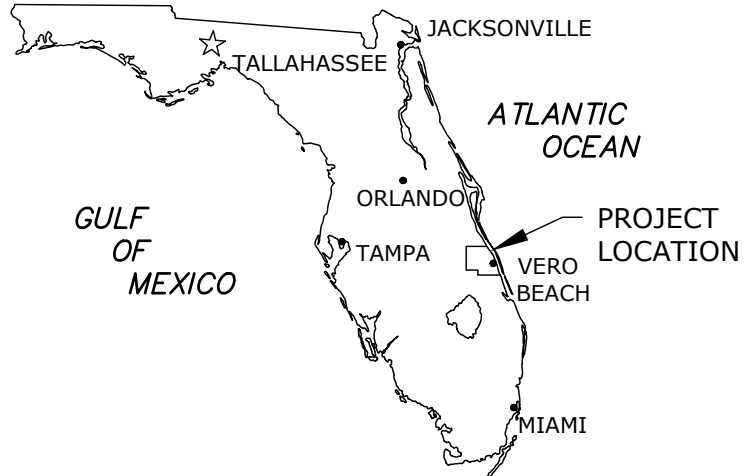
Attachments

Original, unscanned plans

Project Volumes by R-Monument

Pre-Bid meeting sign in sheet

SECTOR 3 HURRICANES IAN AND NICOLE REPAIR PROJECT (IRC PROJECT NO. 2315) INDIAN RIVER COUNTY, FLORIDA



SHEET INDEX	
1	COVER SHEET
2-4	CONTROL DATA SHEETS
5	PROJECT OVERVIEW - APPROVED UPLAND SAND SOURCES
6-29	PLAN VIEWS
30-38	CROSS SECTIONS
39	TYPICAL SECTIONS
40	DUNE PLANTING DETAILS

PLAN VIEW LEGEND:

- R-15 FDEP MONUMENT AND ID
- JUNE 2023 MEAN HIGH WATER LINE
- PROJECT BASELINE
- FILL PLACEMENT
- 2009 EROSION CONTROL LINE
- CONSTRUCTION ACCESS
- DUNE PLANTING
- 2016 LANDWARD EDGE OF HARDBOTTOM (DIVER DELINEATED)
- 2019 DIVER DELINEATED HARDBOTTOM

NOTE: PLANS SHOULD BE PLOTTED IN COLOR.

CERTIFICATION:
I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH
THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

NICOLE S. SHARP, P.E. NO. 74708

DATE

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
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REVISIONS	No.	Date	Description

Designed by:	NS	Checked by:	NS
Drawn by:	JA	Reviewed by:	JA
Date:	08/18/23	Submitted by:	NS
Proj. No.:	AS NOTED	Comm. No.:	631033527

Reference Files:

SECTOR 3
HURRICANES IAN AND NICOLE REPAIR PROJECT
CONSTRUCTION PLANS
INDIAN RIVER COUNTY, FLORIDA
COVER SHEET

DRAWING NO.

CS-1

SHEET 1 OF 40

P:\Indian River\2023 - Sector 3 Design and Permitting\CA01\631033527\4. CS.dwg - Aug 24, 2023 @ 12:46 pm - James Austin

FDEP R-MONUMENTS

STATION	RANGE	NORTHING	EASTING	ELEVATION	AZIMUTH	STAMPING
R-20	0	1264644	842898.8	8.52	70°	R-20 IND. R. 72
R-21	0	1263722	843254.5	8.04	70°	R-21 IND. R. 72
R-22	0	1262824	843751.7	8.14	70°	R-22 IND. R. 72
R-22	0	1262779	843652.7	12.53	70°	R-22 IND. R. -110 1986
R-23	0	1261888	844158.1	8.45	70°	R23 IR 97
R-24	0	1260976	844565.8	11.75	70°	R24 IR 97
R-25	0	1259968	845052.9	10.15	70°	R-25 IND. R. 72
R-26	0	1259089	845441.6	8.9	70°	R-26 IND. R. RESET-00-1986
R-27	0	1258429	845818	10	70°	R-27 IND. R. 72
R-28	0	1257512	846320.9	12.73	70°	R-28 IND. R. 72
R-29	0	1256682	846807.7	13.84	70°	R-29 IND. R. 72
R-30	0	1255774	847271.1	16.99	70°	R-30 IND. R. 72
R-31	0	1254930	847677.8	18.02	70°	T-31 IND. R. 1978
R-32	0	1254060	848087	14.16	70°	R-32 IND. R. 72
R-33	0	1253164	848497.9	16.47	70°	R-33 IND. R. 72
R-34	0	1252279	848868.8	13.87	70°	R-34 IND. R. 72
R-35	0	1251317	849305.3	15.16	70°	R-35 IND. R. 72
R-36	0	1250523	849634.5	12.96	70°	T-36 IND. R. 1978
R-37	0	1249637	850067.1	11.89	70°	R-37 IND. R. 72
R-38	0	1248753	850470.1	14.92	70°	T-38 IND. R. 1978
R-39	0	1247858	850813.7	13.12	70°	R-39 IND. R. RESET-00-1986
R-40	0	1246965	851288.1	---	70°	R40 IR 97
R-41	0	1245993	851770	15.85	70°	R-41 IND. R. 72
R-42	0	1245137	852279.9	17.65	70°	R-42 IND. R. 72
R-43	0	1243939	852926.6	15.66	70°	R-43 IND. R. 1986
R-44	0	1243353	853257.5	13.04	70°	R44 IR 97
R-45	0	1242409	853652.5	13.22	70°	T-45 IND. R. 1978
R-46	0	1241568	854053.3	13.95	70°	T-46 IND. R. 1978
R-47	0	1240694	854515.6	---	70°	R47 IR 97
R-48	0	1239743	854750.4	15.53	70°	R48 IR 97
R-49	0	1238891	855298.9	12.85	70°	R-49 IND. R. 72
R-50	0	1237923	855660.9	13.13	70°	R-50 IND. R. 72
R-51	0	1236972	856032.2	16.28	70°	R-51 IND. R. 72
R-51	0	1236979	856050.8	15.12	70°	R-51 O/S RNG. 20 2001
R-52	0	1236045	856362.9	13.86	70°	R-52 IND. R. 72
R-53	0	1235049	856624.4	15.78	70°	R-53 IND. R. +96 1986
R-54	0	1234074	856897.5	14	70°	R-54 IND. R. 72
R-55	0	1233118	857087.9	15.01	70°	R-55 IND. R. 72

BENCHMARK CONTROL POINTS
SECOND ORDER CONTROL (A-MONUMENTS)

FDEP MONUMENT ID	NORTHING	EASTING	ELEVATION (FT, NAVD88)	STAMPING
A-09	1260281.76	844426.04	6.93	88-78-A09
A-10	1255223.74	847007.70	8.2	88-78-A10
A-11	1251561.73	848670.12	7.94	88-78-A11
A-12	1248469.92	850063.84	5.53	88-78-A12
A-15	1238793.85	854935.12	9.84	88-78-A15
A-16	1234676.88	856148.19	8.85	88-78-A16

WATER LEVEL TABLE

TIDAL DATUM	ELEVATION (FT, NAVD88)
MEAN HIGH WATER (MHW)	+0.60
MEAN LOW WATER (MLW)	-2.82

NOTES:

- COORDINATES ARE IN FEET BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
- ELEVATIONS ARE IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- R-MONUMENT AND WATER LEVEL DATA FOR REFERENCE ONLY. ALL CONTROL SHALL BE SET BY SECOND ORDER A-MONUMENTS.
- TIDAL DATUMS AT INDIAN RIVER COUNTY, ATLANTIC OCEAN WERE OBTAINED FROM THE LAND BOUNDARY INFORMATION SYSTEM (LABINS), BASED ON EPOCH 1983-2001, TIDE INTERPOLATION POINT #101033, QUAD MAP NAME SEBASTIAN.

CERTIFICATION:

I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

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No.	Date	Description

Reference Files:

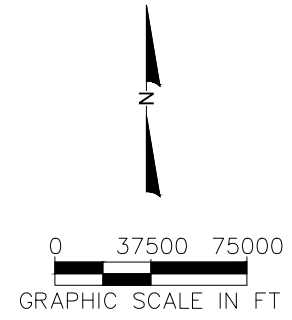
Designed by: NS
Drawn by: JA
Date: 08/18/23
Plot Scale: AS NOTED

Checked by: NS
Reviewed by: JA
Submitted by: NS
Comm. No.: 631033527

AS NOTED

DRAWING NO.
CD-3

SHEET 4 OF 40



- UPLAND SAND SOURCES**
1. VULCAN – DIAMOND MINE
205 STORY ROAD
LAKE WALES, FL 33898
 2. VULCAN – WITHERSPOON MINE
7425 W. STATE ROAD 78
MOORE HAVEN, FL 33471
 3. VULCAN – SANDLAND MINE
2200 BURNS AVENUE
LAKE WALES, FL 33898
 4. STEWART – CAPRON TRAILS MINE
13575 INDRILO ROAD
FORT PIERCE, FL 34945
 5. JAHNA – INDEPENDENT NORTH MINE
8455 COUNTY ROAD 474
CLERMONT, FL 34714
 6. JAHNA – GREEN BAY MINE
4949 SAND MINE ROAD
DAVENPORT, FL 33897

NOTES:

1. AERIAL PHOTOGRAPHY: JANUARY 2023

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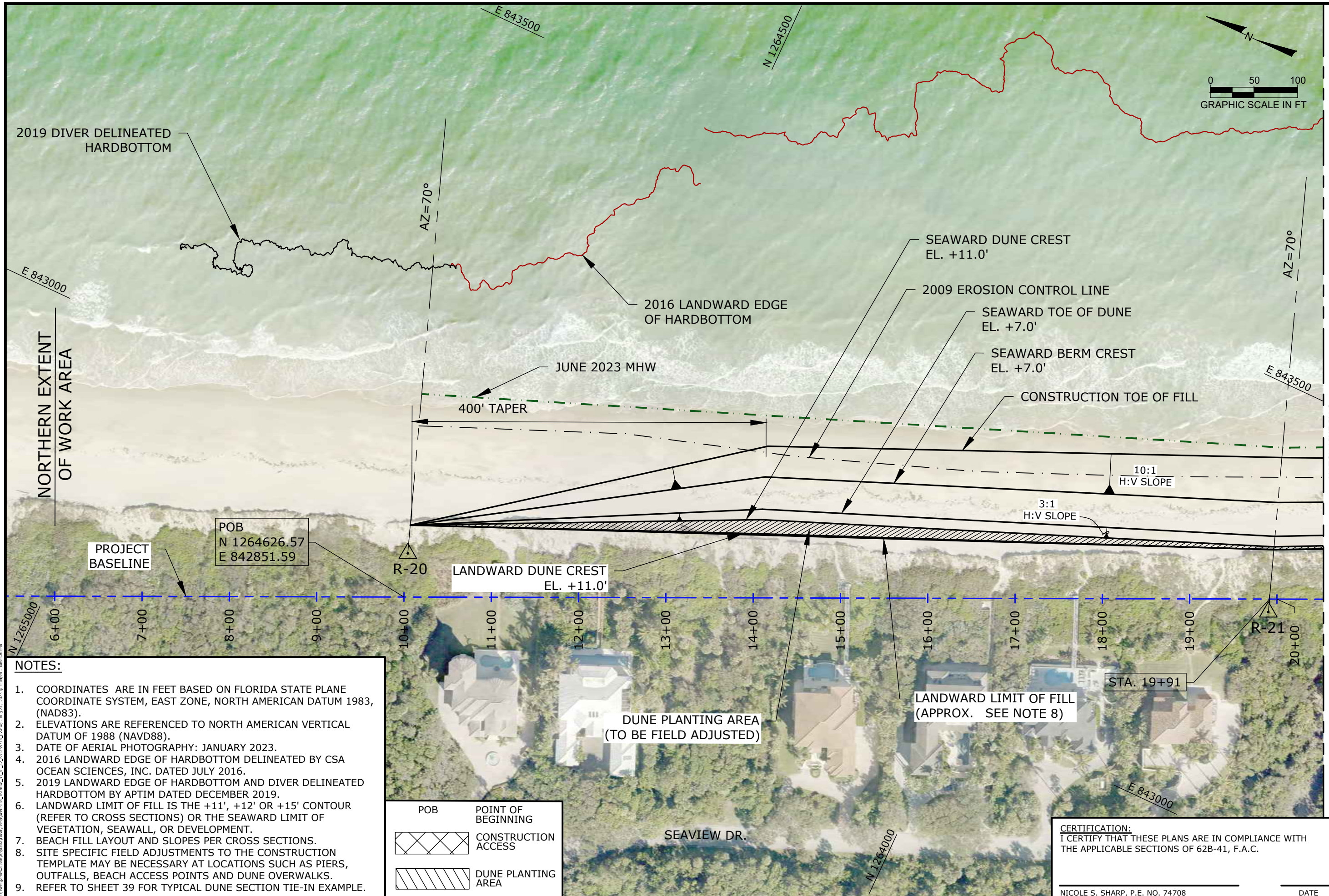
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SECTOR 3
HURRICANES IAN AND NICOLE REPAIR PROJECT
CONSTRUCTION PLANS
INDIAN RIVER COUNTY, FLORIDA
PROJECT OVERVIEW
APPROVED UPLAND SAND SOURCES

DRAWING NO.
OV-1

SHEET 5 OF 40



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POB	POINT OF BEGINNING
	CONSTRUCTION ACCESS
	DUNE PLANTING AREA

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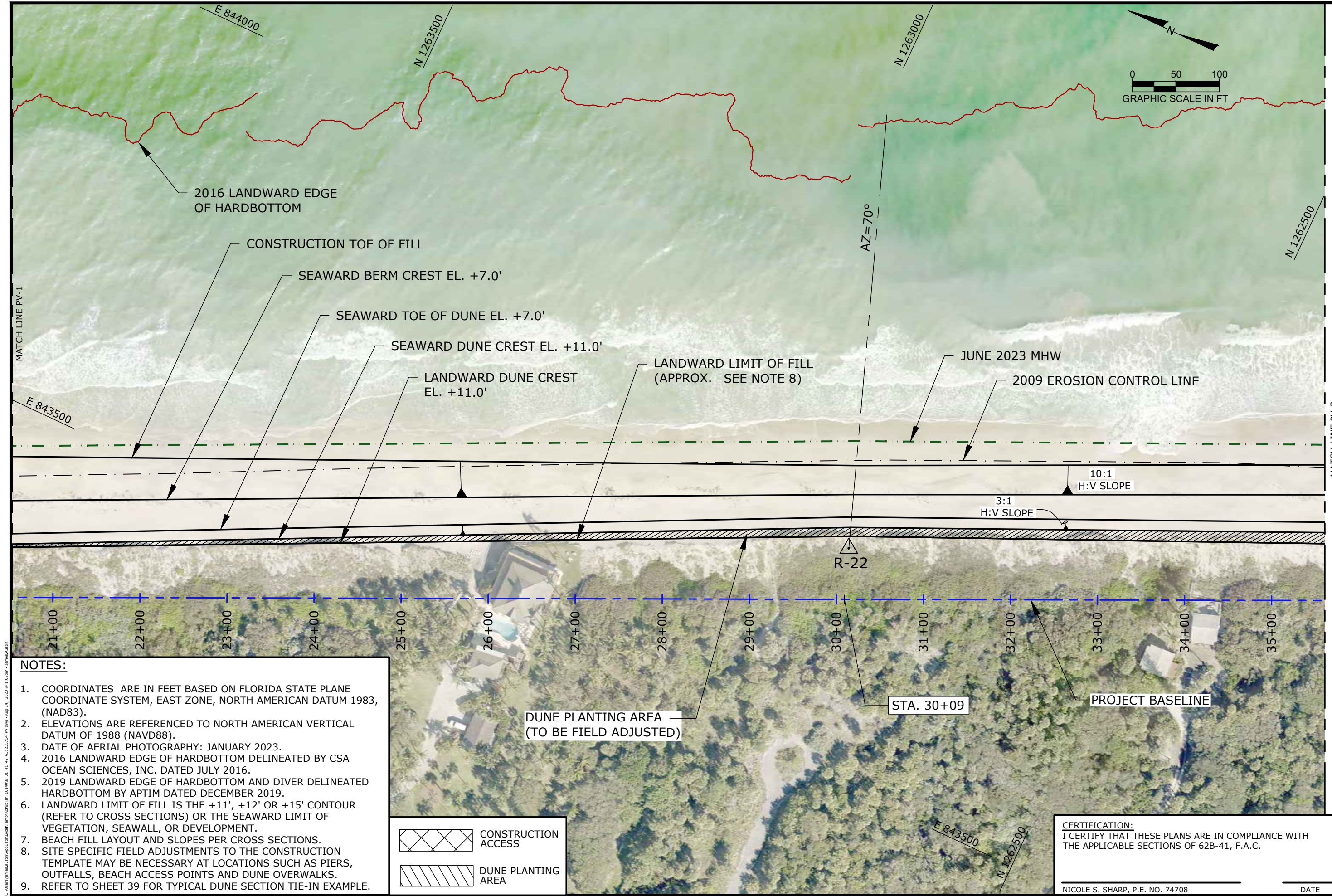
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JA	JA	
NS	NS	
AS NOTED	AS NOTED	

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SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-1**
 SHEET 6 OF 40



2016 LANDWARD EDGE OF HARDBOTTOM

CONSTRUCTION TOE OF FILL

SEAWARD BERM CREST EL. +7.0'

SEAWARD TOE OF DUNE EL. +7.0'

SEAWARD DUNE CREST EL. +11.0'

LANDWARD DUNE CREST EL. +11.0'

LANDWARD LIMIT OF FILL (APPROX. SEE NOTE 8)

JUNE 2023 MHW

2009 EROSION CONTROL LINE

10:1 H:V SLOPE

3:1 H:V SLOPE

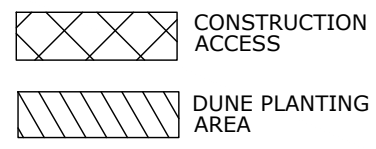
R-22

STA. 30+09

PROJECT BASELINE

DUNE PLANTING AREA (TO BE FIELD ADJUSTED)

- NOTES:**
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 - BEACH FILL LAYOUT AND SLOPES PER CROSS SECTIONS.
 - SITE SPECIFIC FIELD ADJUSTMENTS TO THE CONSTRUCTION TEMPLATE MAY BE NECESSARY AT LOCATIONS SUCH AS PIERS, OUTFALLS, BEACH ACCESS POINTS AND DUNE OVERWALKS.
 - REFER TO SHEET 39 FOR TYPICAL DUNE SECTION TIE-IN EXAMPLE.



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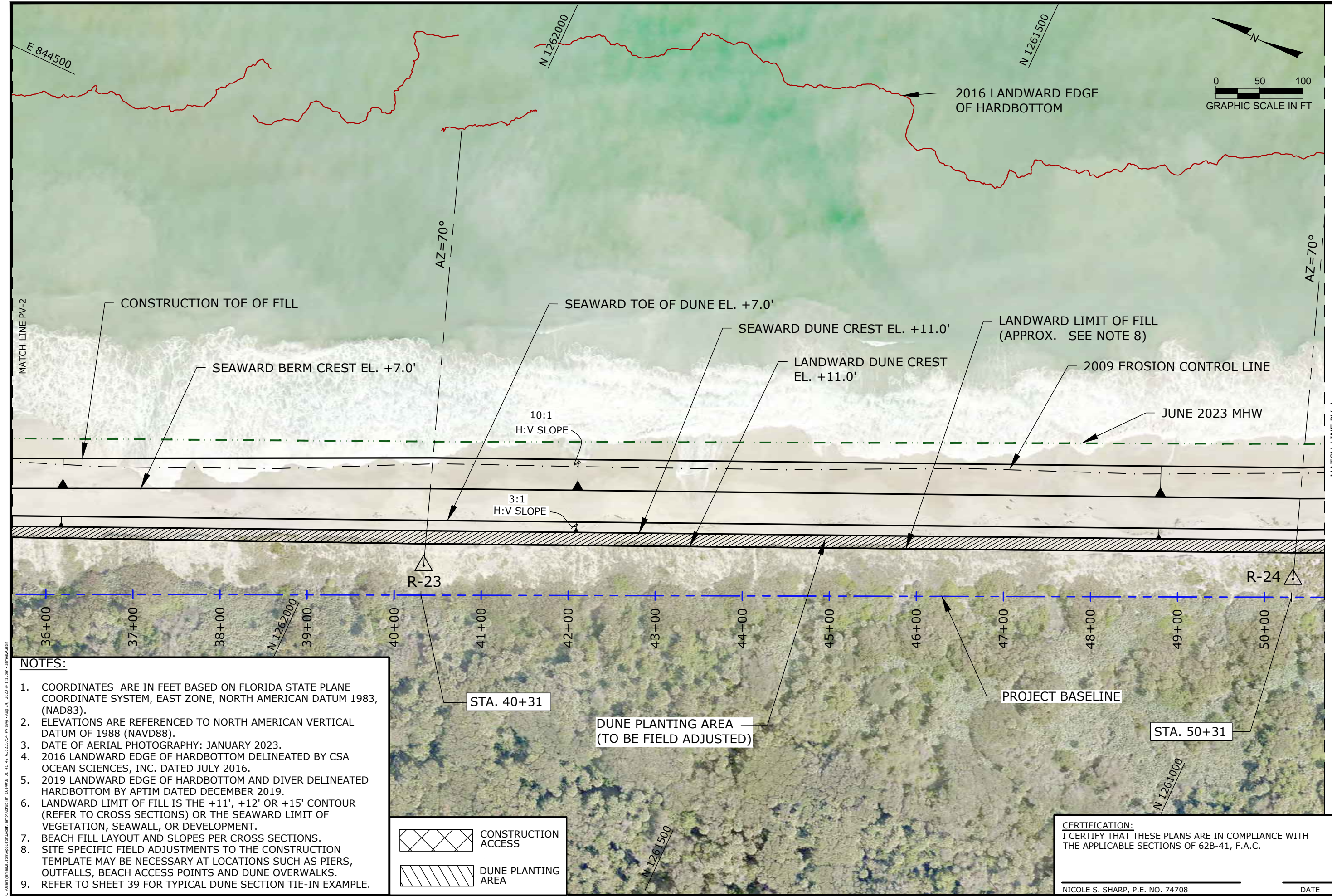
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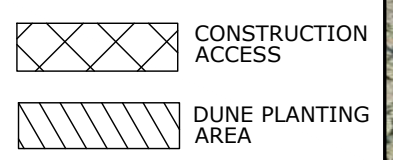
SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO.
PV-2

SHEET 7 OF 40



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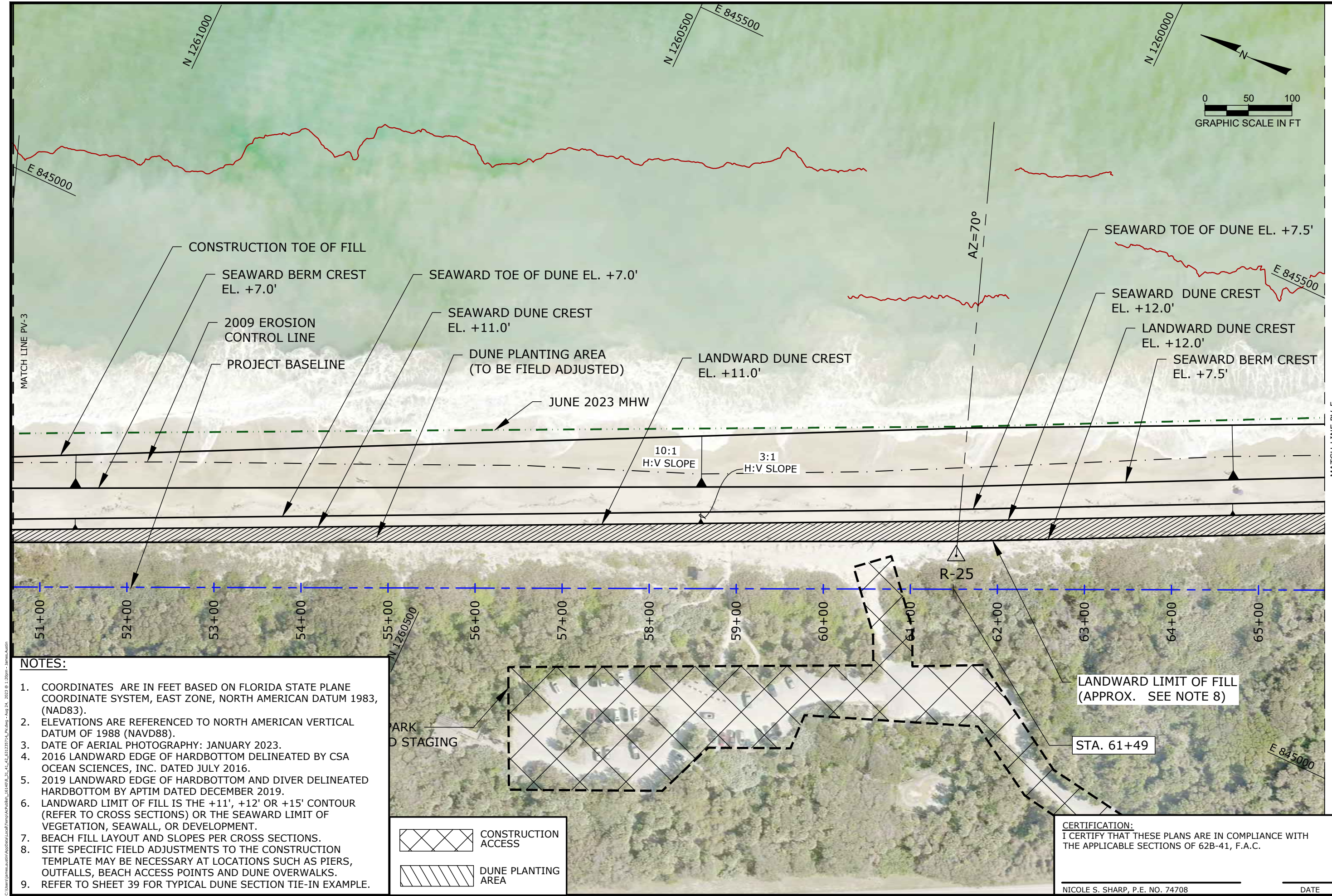
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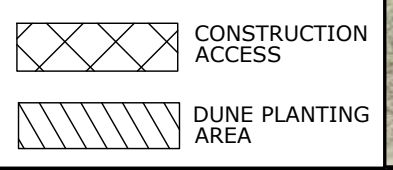
SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-3**

SHEET 8 OF 40



- NOTES:**
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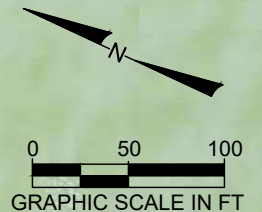
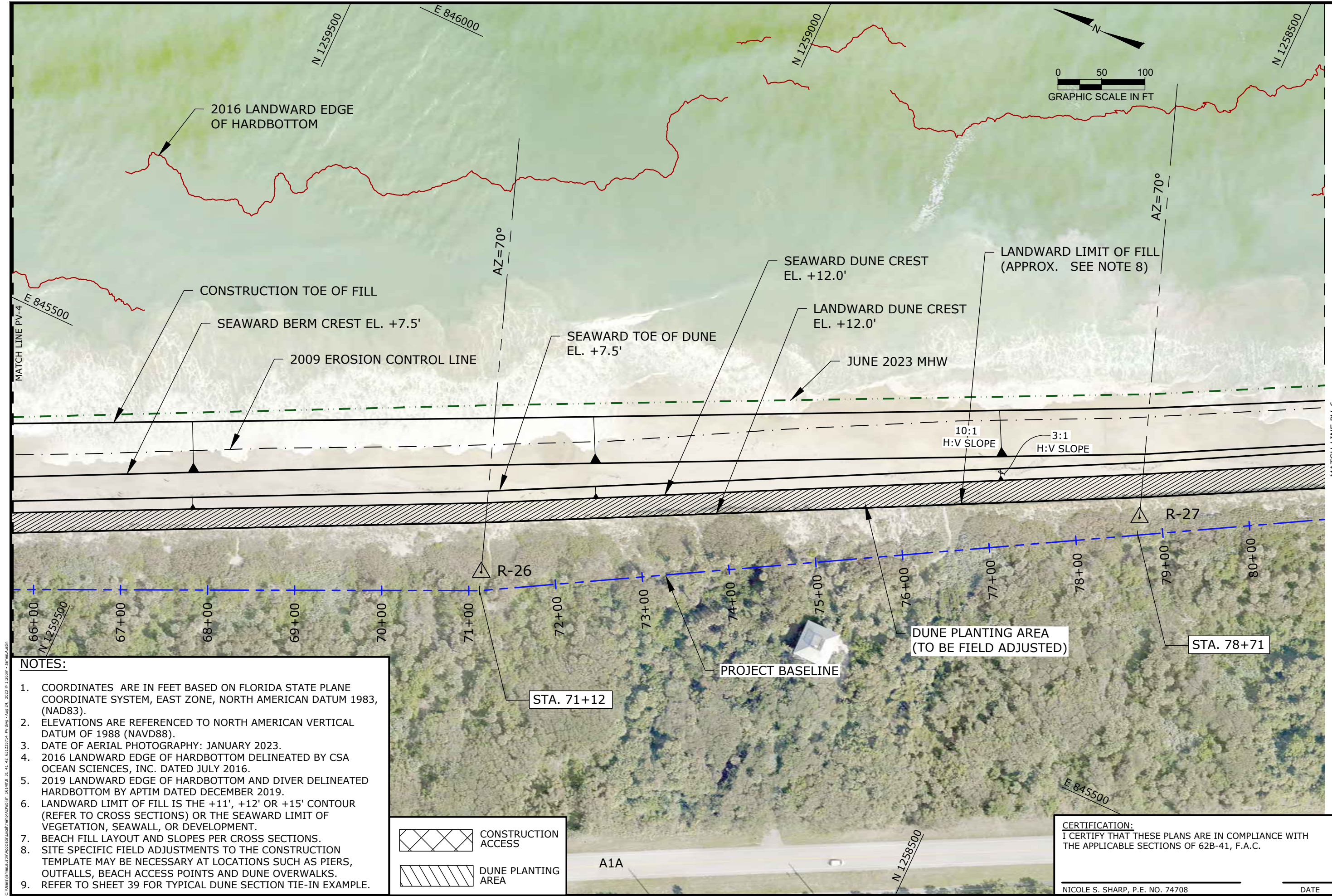
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	Drawn by:	Reviewed by:
	JA	JA
	Date:	Submitted by:
	08/18/23	NS
	Plot Scale:	Comm. No.:
	AS NOTED	631033527

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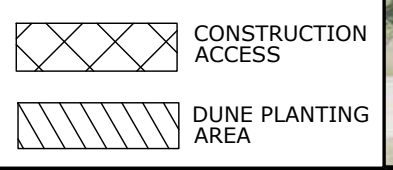
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 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO.
PV-4

SHEET 9 OF 40



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 - REFER TO SHEET 39 FOR TYPICAL DUNE SECTION TIE-IN EXAMPLE.



CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

 NICOLE S. SHARP, P.E. NO. 74708

 DATE

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
 6401 CONGRESS AVENUE, SUITE 140
 BOCA RATON, FLORIDA 33487
 PH. (561) 391-8102
 FAX (561) 391-9116
 C.O.A. FL. #9317
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REVISIONS	No.	Date	Description

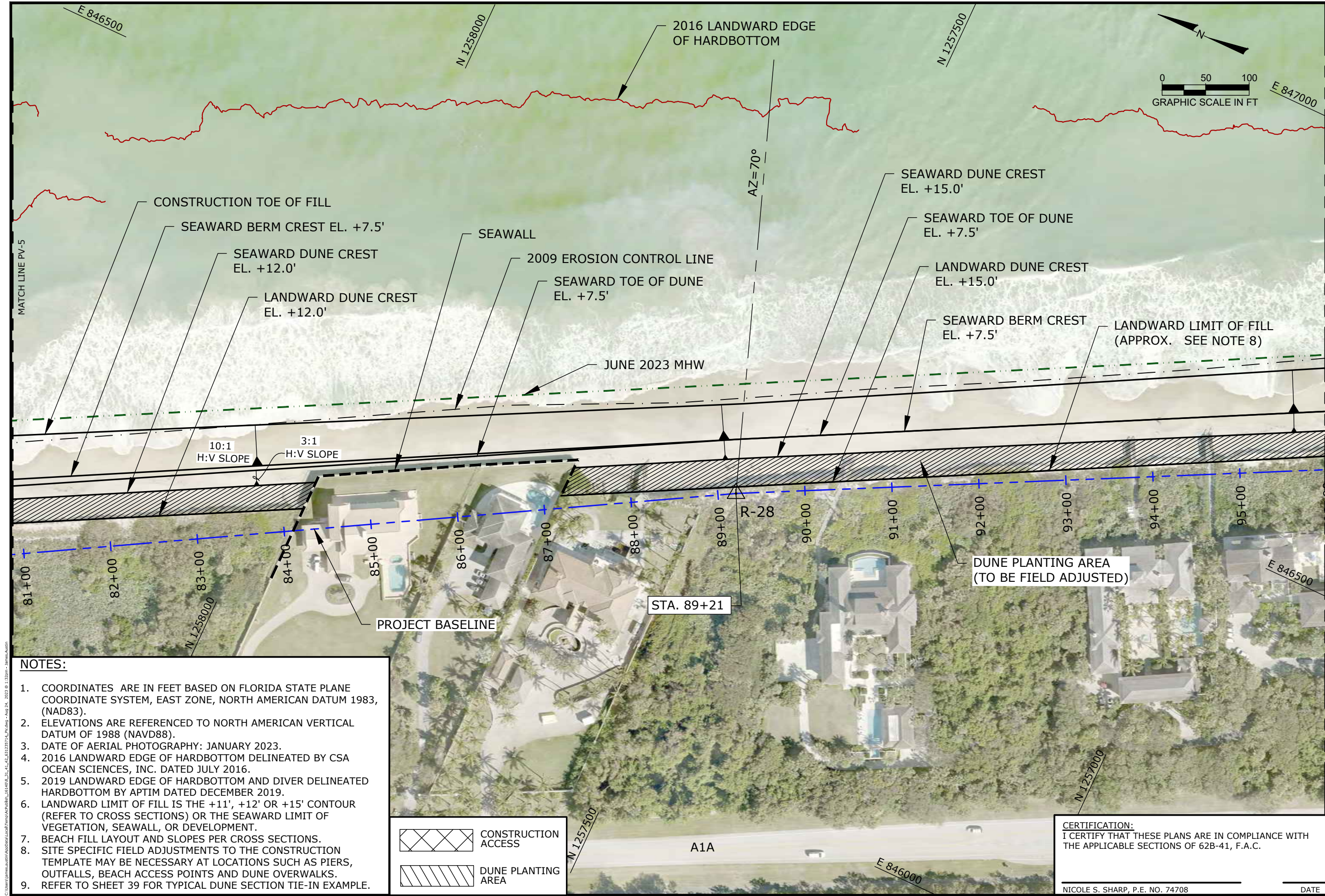
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Date:	08/18/23	Submitted by:	NS
Plot Scale:	AS NOTED	Comm. No.:	631033527

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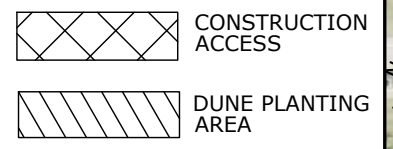
SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO.
PV-5

SHEET 10 OF 40



- NOTES:**
- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD83).
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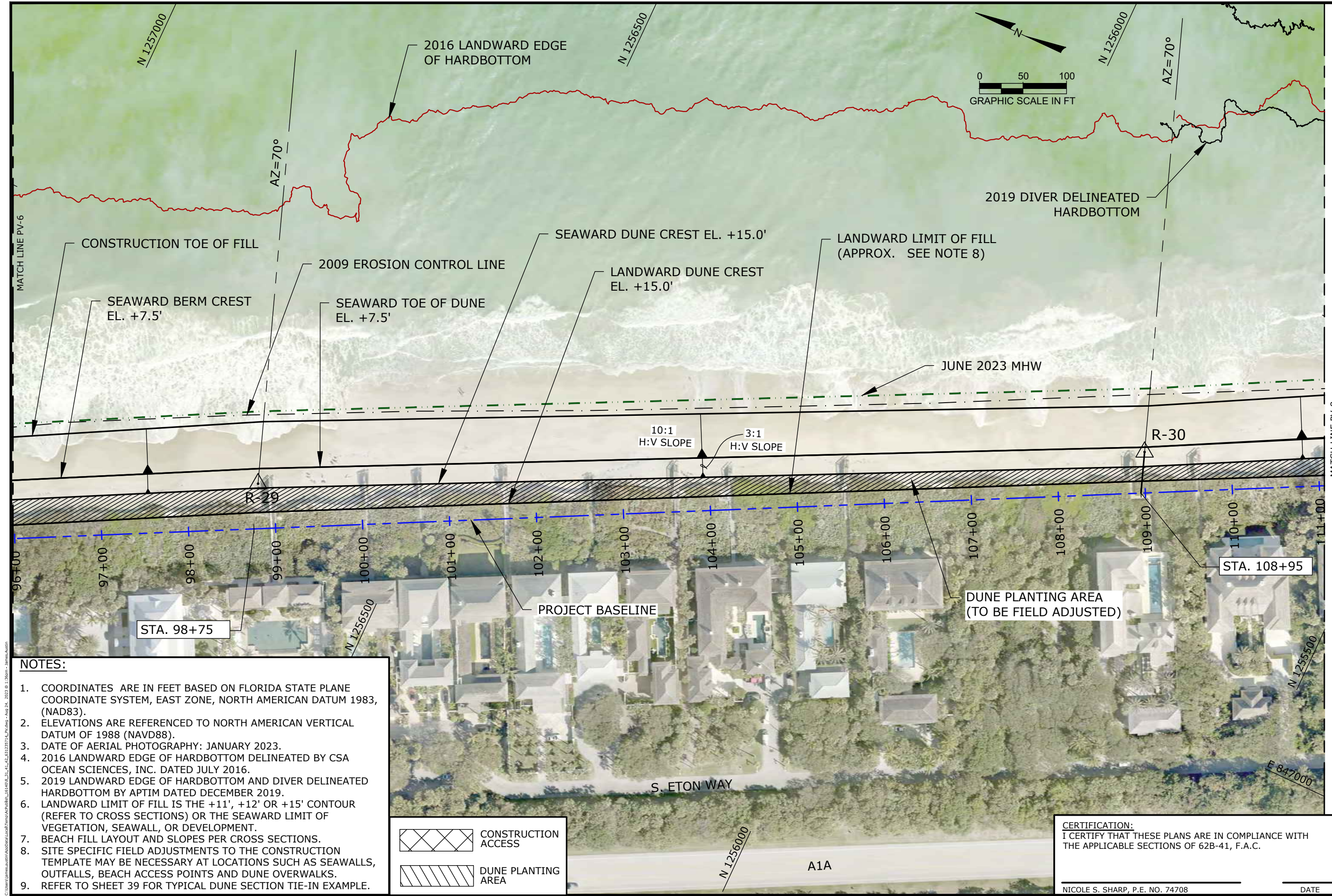
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 Date: 08/18/23
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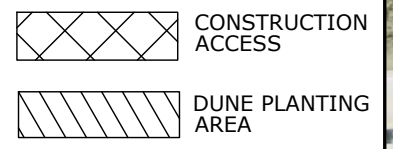
SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO.
PV-6

SHEET 11 OF 40



- NOTES:**
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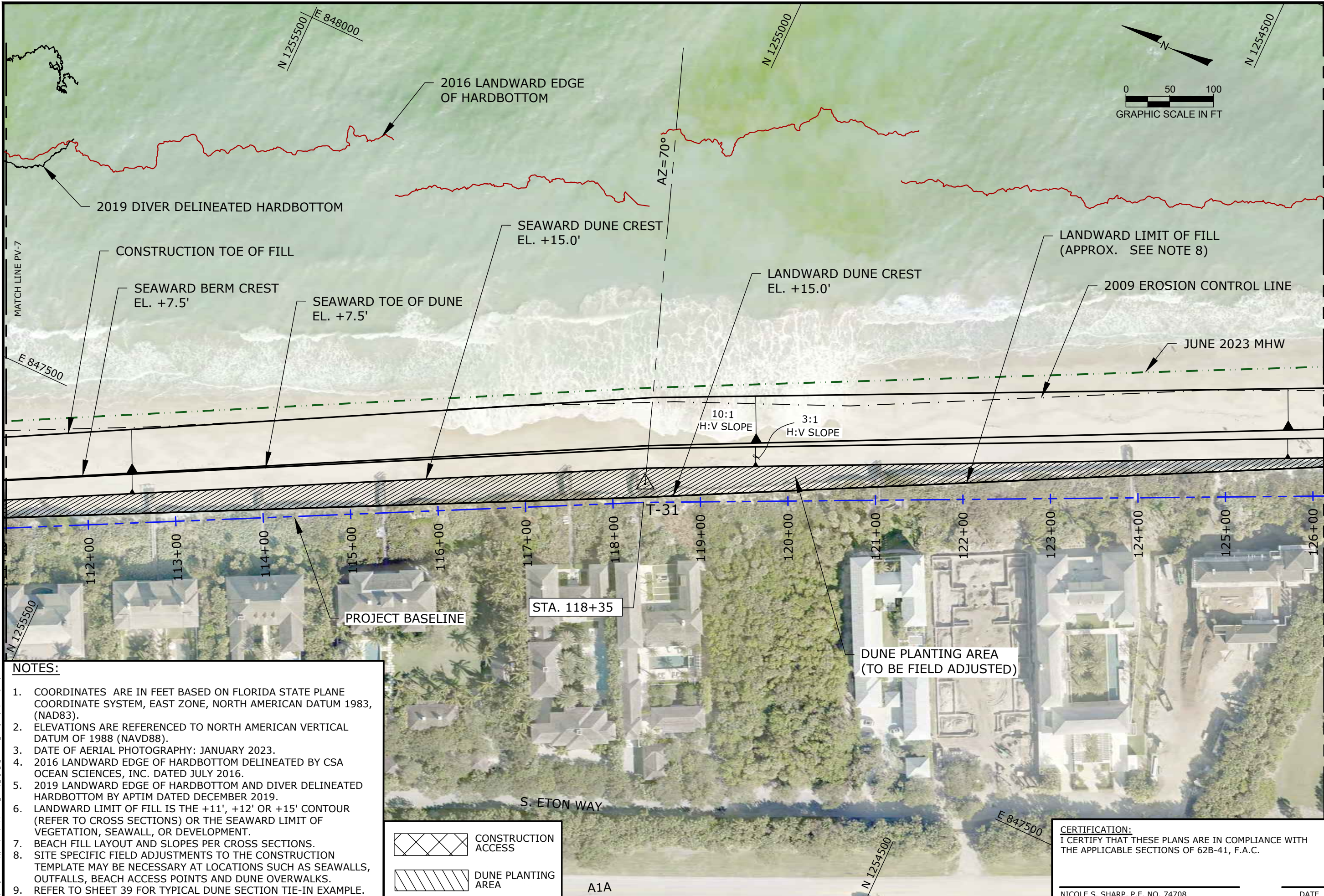
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NICOLE S. SHARP, P.E. NO. 74708 _____ DATE _____

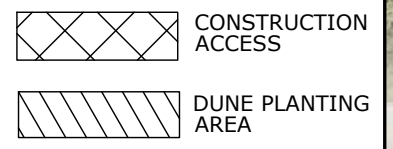
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 BOCA RATON, FLORIDA 33487
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Reference Files:	Designed by:	Checked by:	REVISIONS
SECTOR 3	NS	NS	
HURRICANES IAN AND NICOLE REPAIR PROJECT	JA	JA	
CONSTRUCTION PLANS	NS	NS	
INDIAN RIVER COUNTY, FLORIDA	Date: 08/18/23	Comm. No.: 631033527	
PLAN VIEW	Plot Scale: AS NOTED		

DRAWING NO. **PV-7**
 SHEET 12 OF 40



- NOTES:**
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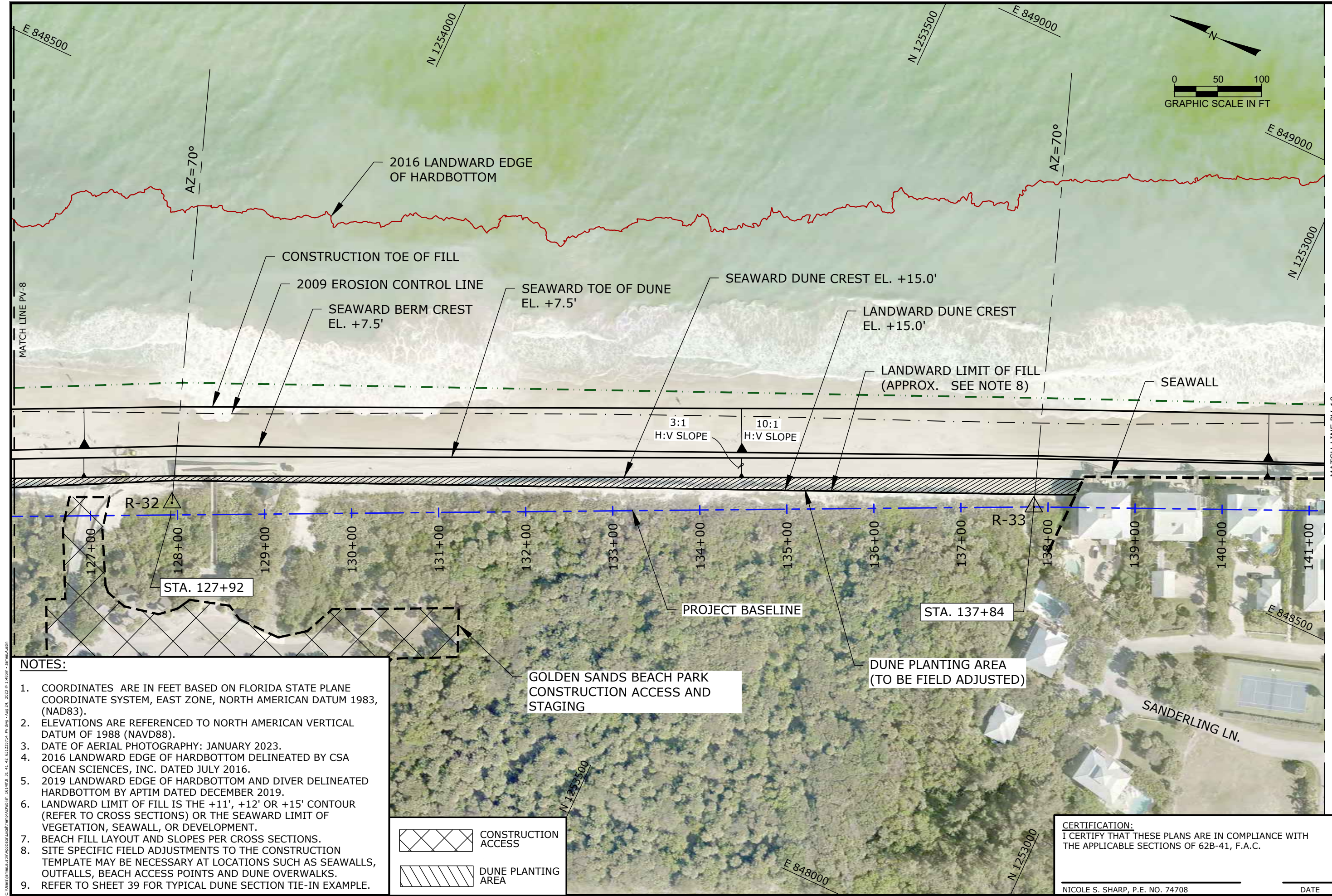
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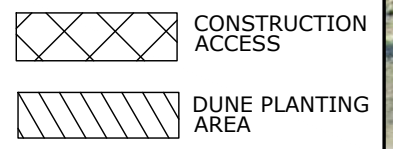
SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO.
PV-8

SHEET 13 OF 40



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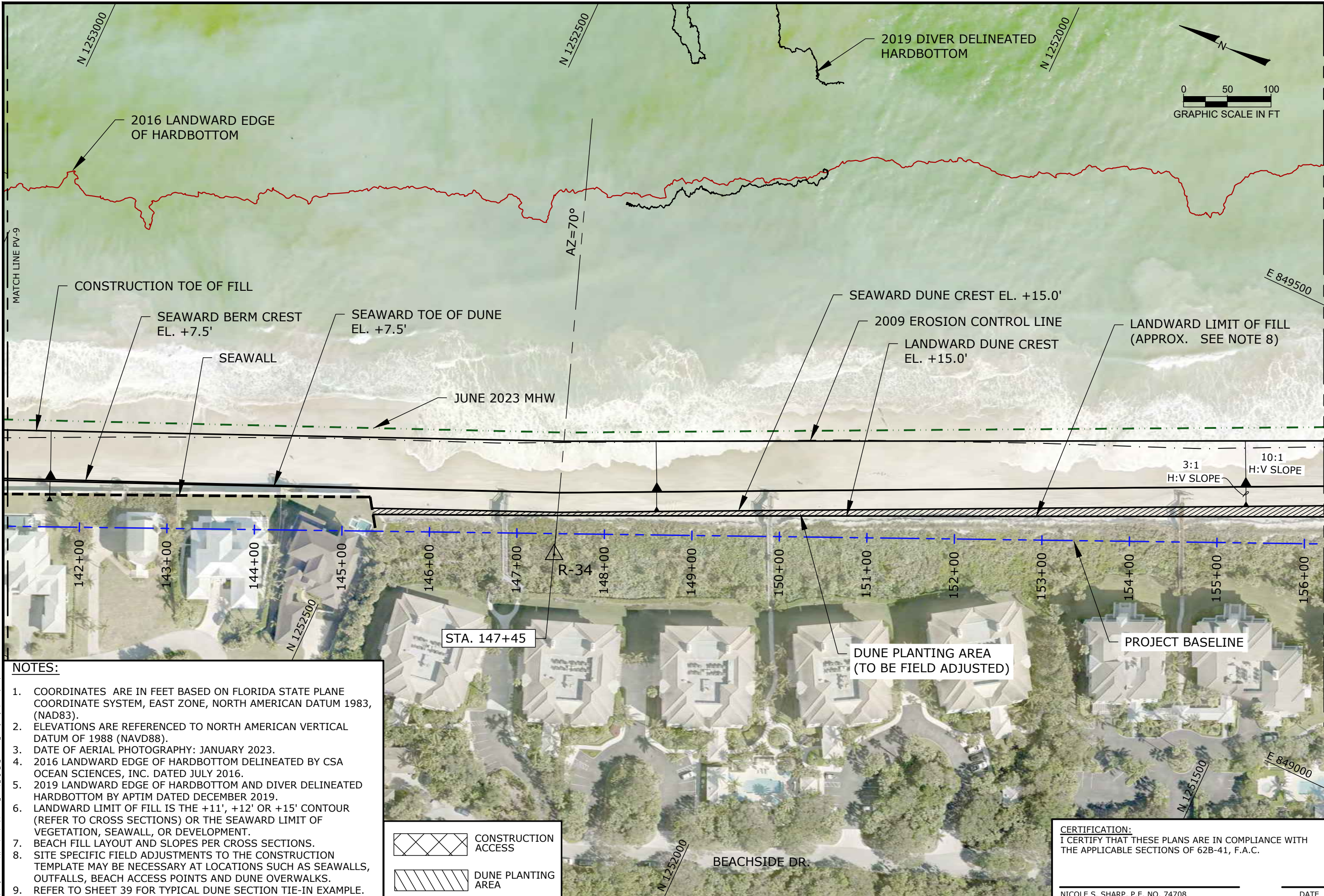
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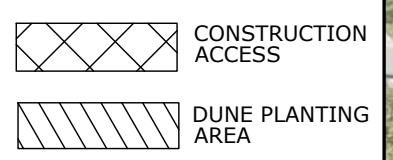
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SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-9**
 SHEET 14 OF 40



- NOTES:**
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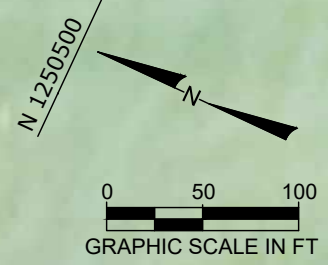
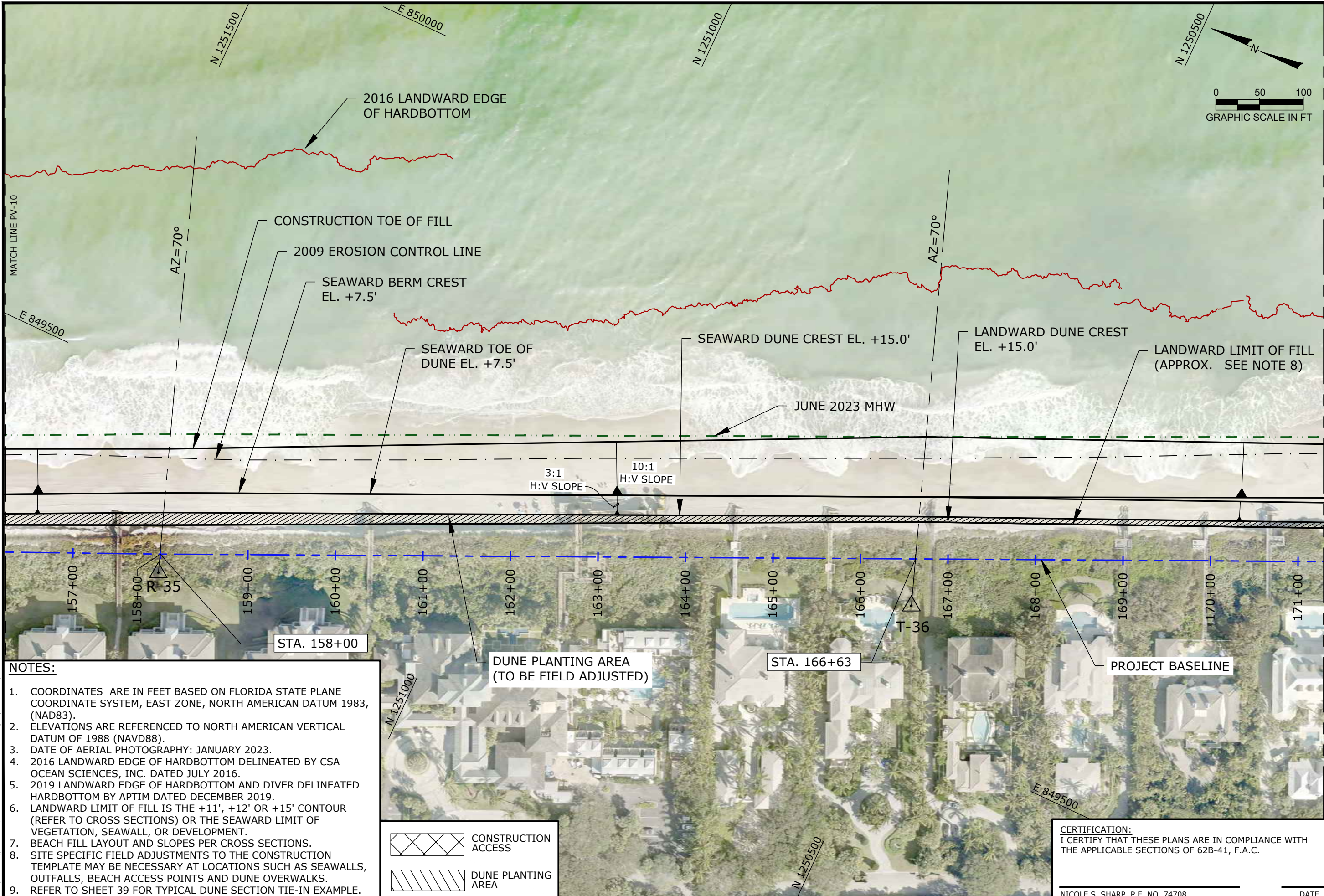
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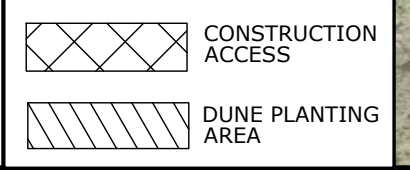
SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-10**

SHEET 15 OF 40



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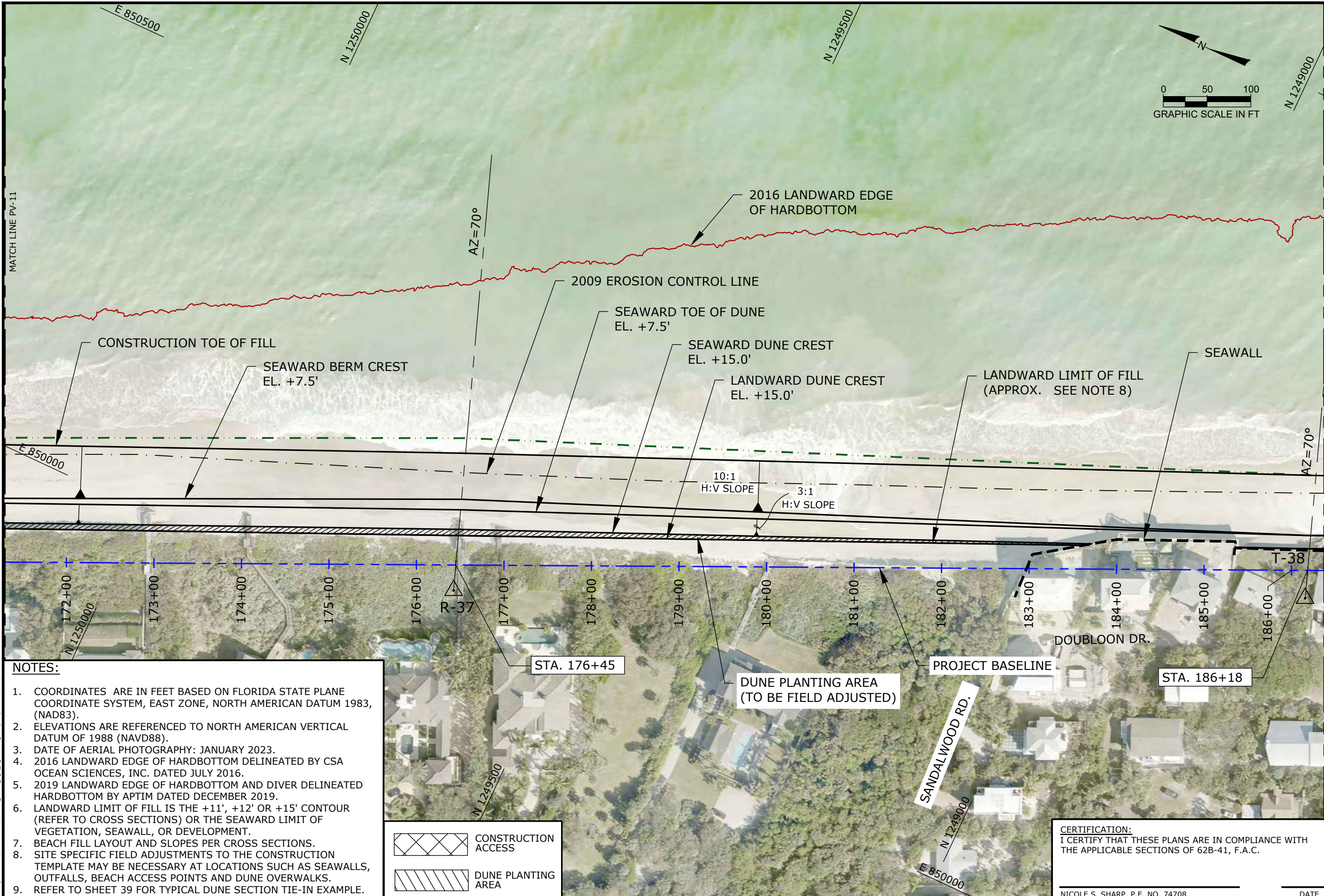
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SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

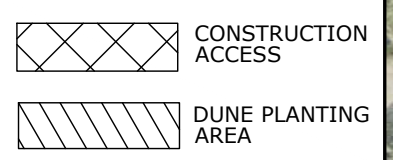
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DRAWING NO. **PV-11**

NICOLE S. SHARP, P.E. NO. 74708 _____ DATE _____ SHEET 16 OF 40



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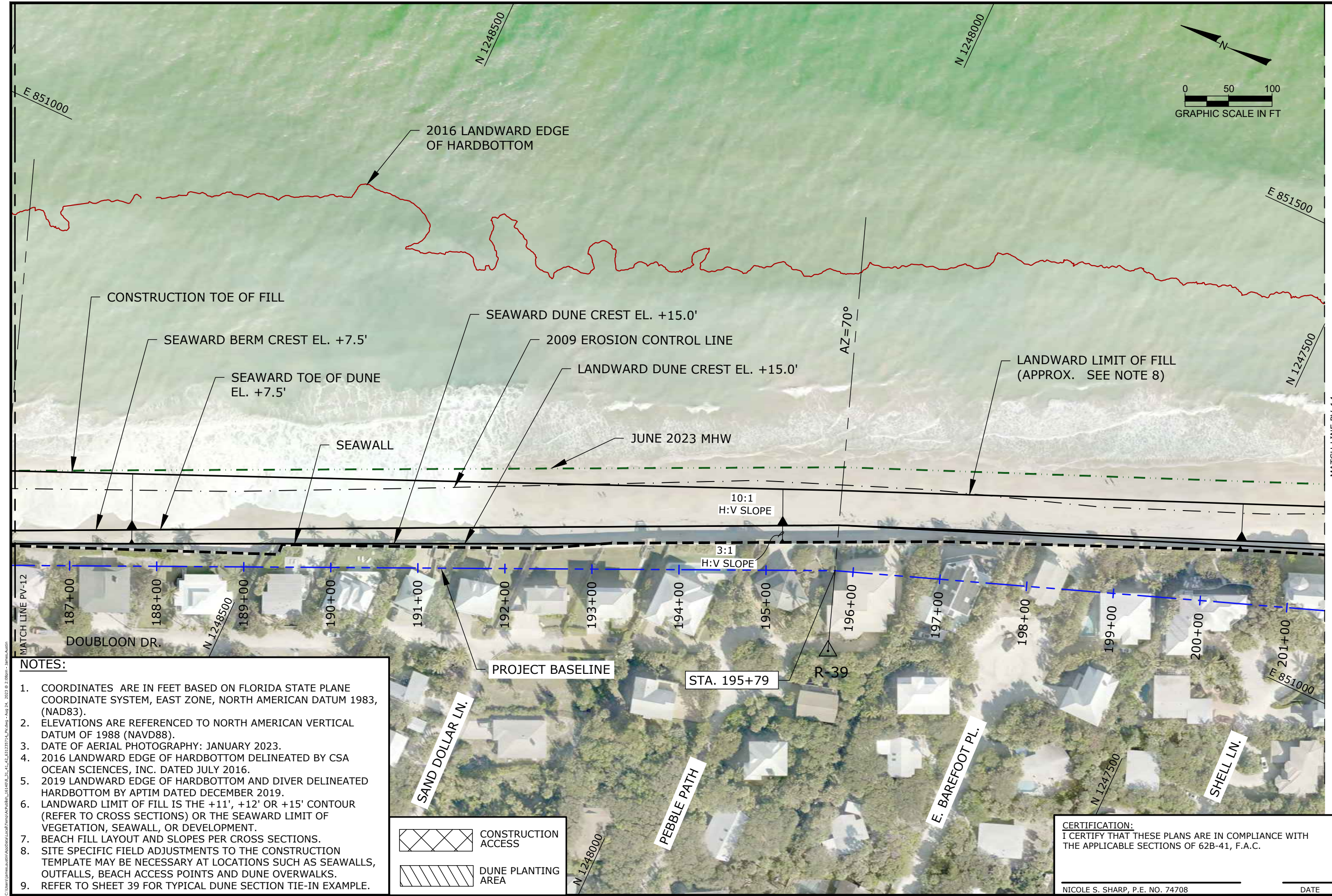
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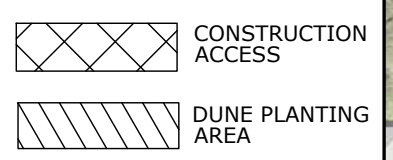
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SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-12**
 SHEET 17 OF 40



- NOTES:**
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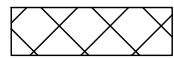
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 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
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DRAWING NO.
PV-13

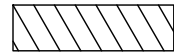
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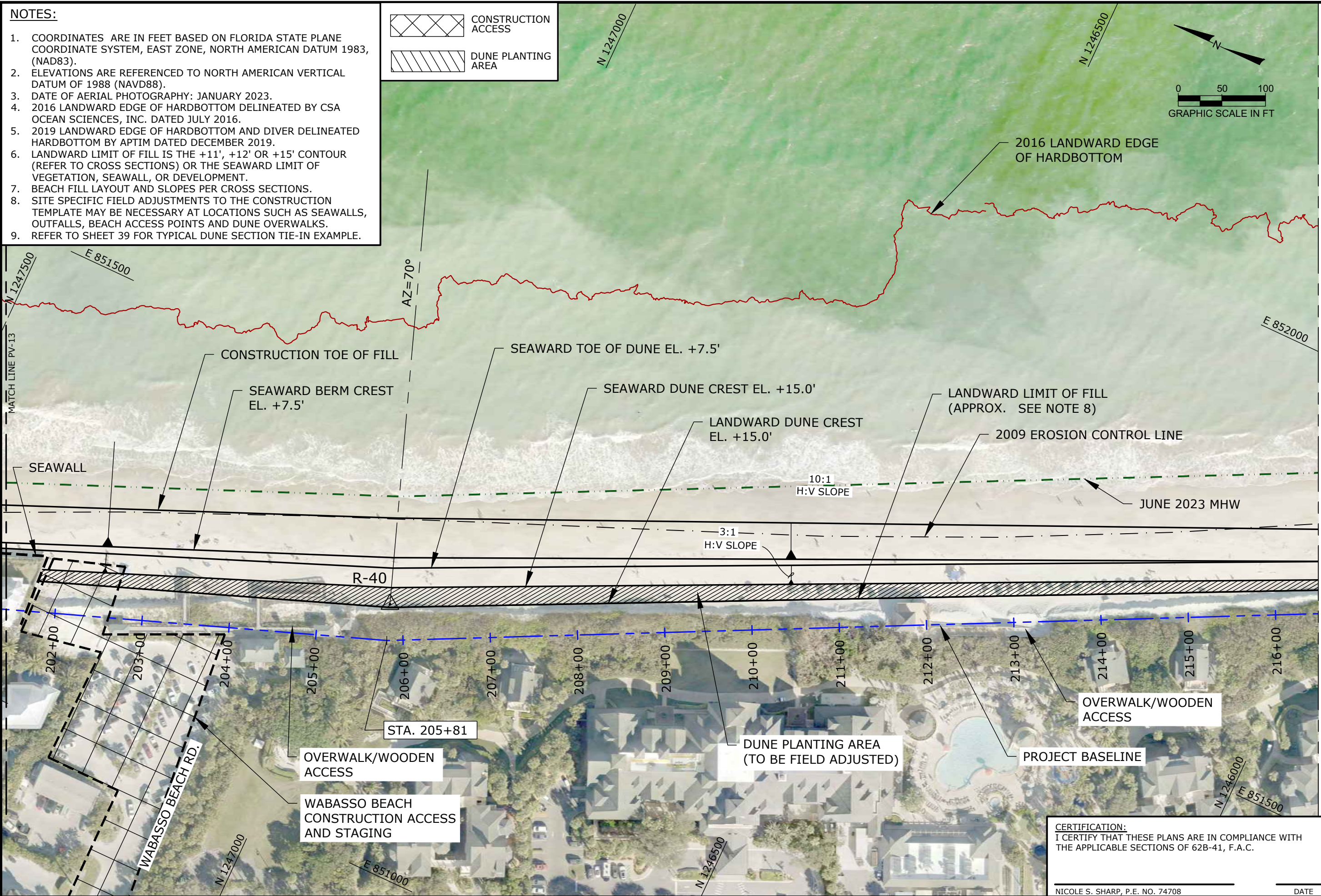
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CONSTRUCTION ACCESS



DUNE PLANTING AREA



APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC

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 FAX: (861) 391-9116
 C.O.A. FL. #9317

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 BOCA RATON, FLORIDA 33487
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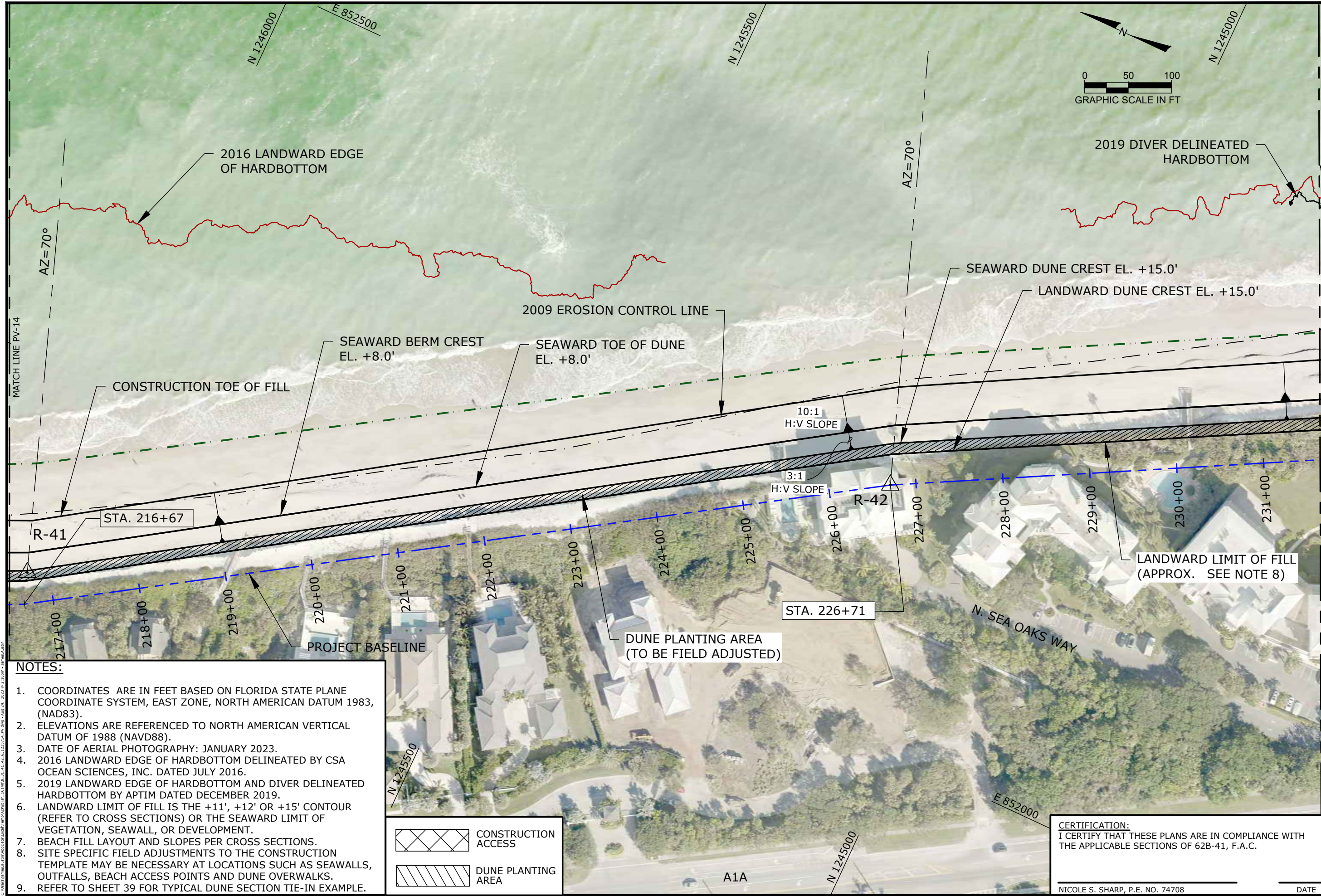
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SECTOR 3
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 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

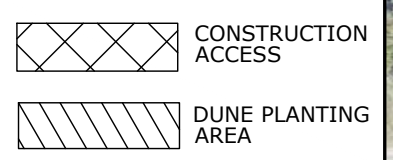
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PV-14
 SHEET 19 OF 40

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 - SITE SPECIFIC FIELD ADJUSTMENTS TO THE CONSTRUCTION TEMPLATE MAY BE NECESSARY AT LOCATIONS SUCH AS SEAWALLS, OUTFALLS, BEACH ACCESS POINTS AND DUNE OVERWALKS.
 - REFER TO SHEET 39 FOR TYPICAL DUNE SECTION TIE-IN EXAMPLE.



CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

 NICOLE S. SHARP, P.E. NO. 74708

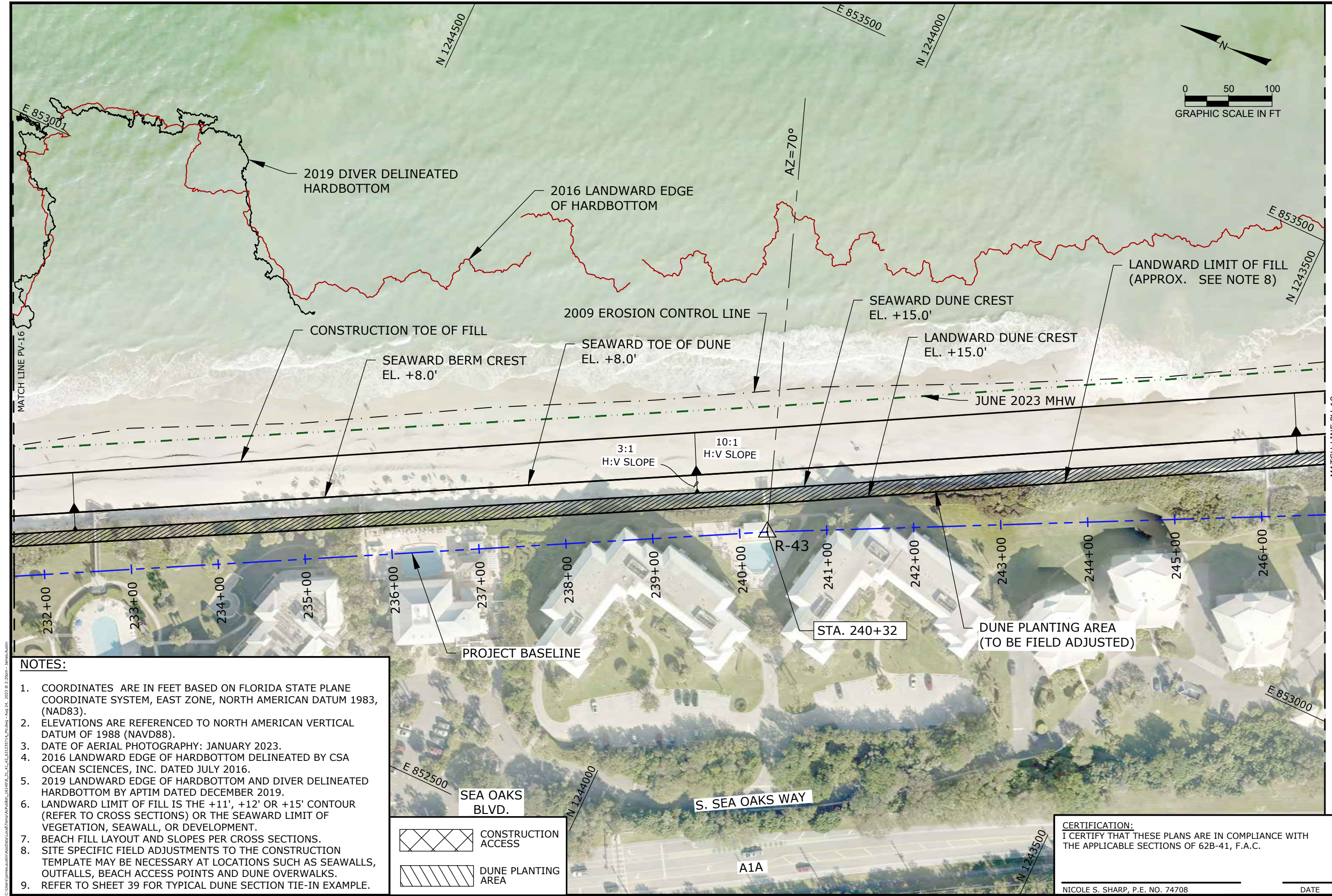
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APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
 6401 CONGRESS AVENUE, SUITE 140
 BOCA RATON, FLORIDA 33487
 PH. (561) 391-8102
 FAX (561) 391-9116
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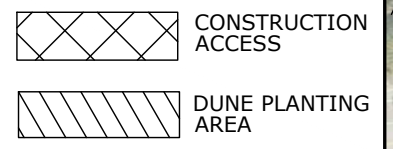
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	JA	JA	
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	AS NOTED	AS NOTED	

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-15**
 SHEET 20 OF 40



- NOTES:**
- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD83).
 - ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - DATE OF AERIAL PHOTOGRAPHY: JANUARY 2023.
 - 2016 LANDWARD EDGE OF HARDBOTTOM DELINEATED BY CSA OCEAN SCIENCES, INC. DATED JULY 2016.
 - 2019 LANDWARD EDGE OF HARDBOTTOM AND DIVER DELINEATED HARDBOTTOM BY APTIM DATED DECEMBER 2019.
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 NICOLE S. SHARP, P.E. NO. 74708

 DATE

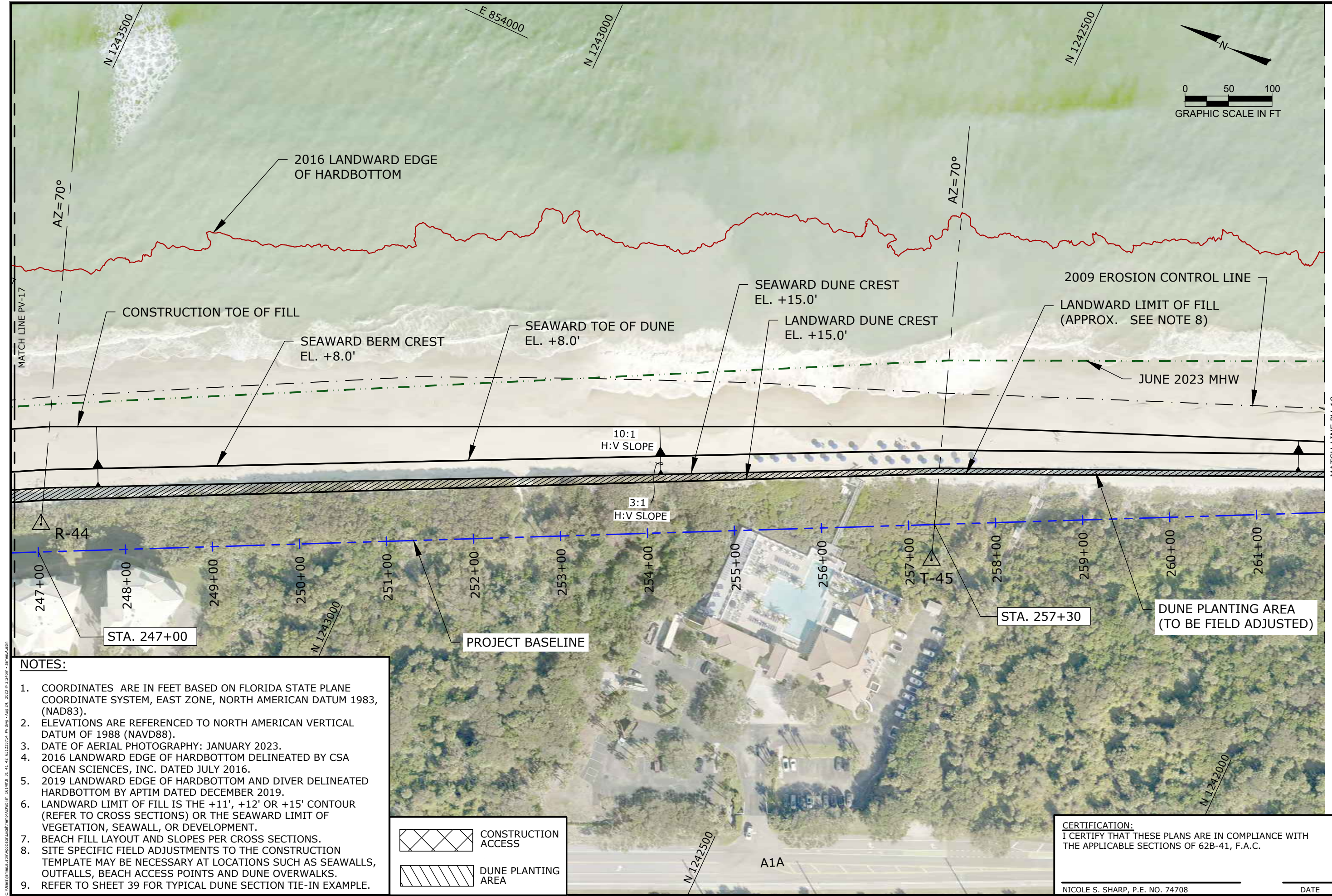
APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
 6401 CONGRESS AVENUE, SUITE 140
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Reference Files:	Designed by:	Checked by:	REVISIONS
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	JA	JA	
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	AS NOTED	AS NOTED	

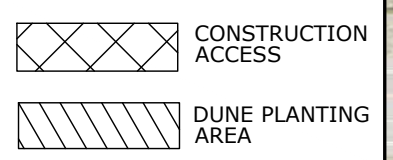
Drawn by: JA
 Date: 08/18/23
 Plot Scale: AS NOTED
 Submitted by: NS
 Comm. No.: 631033527
 No. Date Description

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-16**
 SHEET 21 OF 40



- NOTES:**
- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD83).
 - ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - DATE OF AERIAL PHOTOGRAPHY: JANUARY 2023.
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 - REFER TO SHEET 39 FOR TYPICAL DUNE SECTION TIE-IN EXAMPLE.



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 NICOLE S. SHARP, P.E. NO. 74708

 DATE

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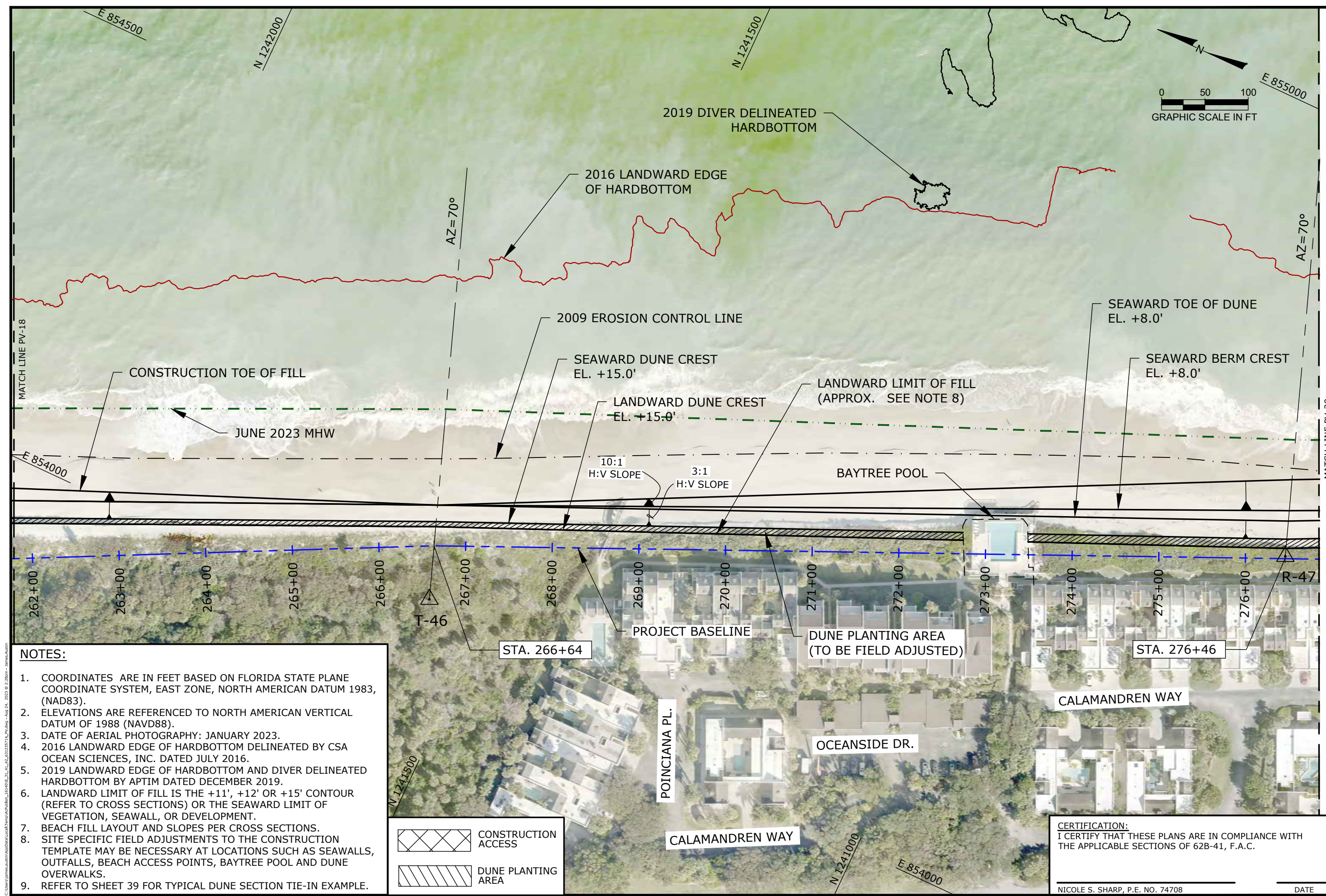
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	JA	JA	
	Date: 08/18/23	Submitted by: NS	
	Plot Scale: AS NOTED	Comm. No.: 631033527	

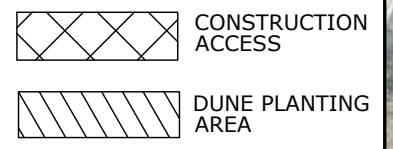
SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-17**

SHEET 22 OF 40



- NOTES:**
- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD83).
 - ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - DATE OF AERIAL PHOTOGRAPHY: JANUARY 2023.
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 - BEACH FILL LAYOUT AND SLOPES PER CROSS SECTIONS.
 - SITE SPECIFIC FIELD ADJUSTMENTS TO THE CONSTRUCTION TEMPLATE MAY BE NECESSARY AT LOCATIONS SUCH AS SEAWALLS, OUTFALLS, BEACH ACCESS POINTS, BAYTREE POOL AND DUNE OVERWALKS.
 - REFER TO SHEET 39 FOR TYPICAL DUNE SECTION TIE-IN EXAMPLE.



CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

NICOLE S. SHARP, P.E. NO. 74708 _____ DATE _____

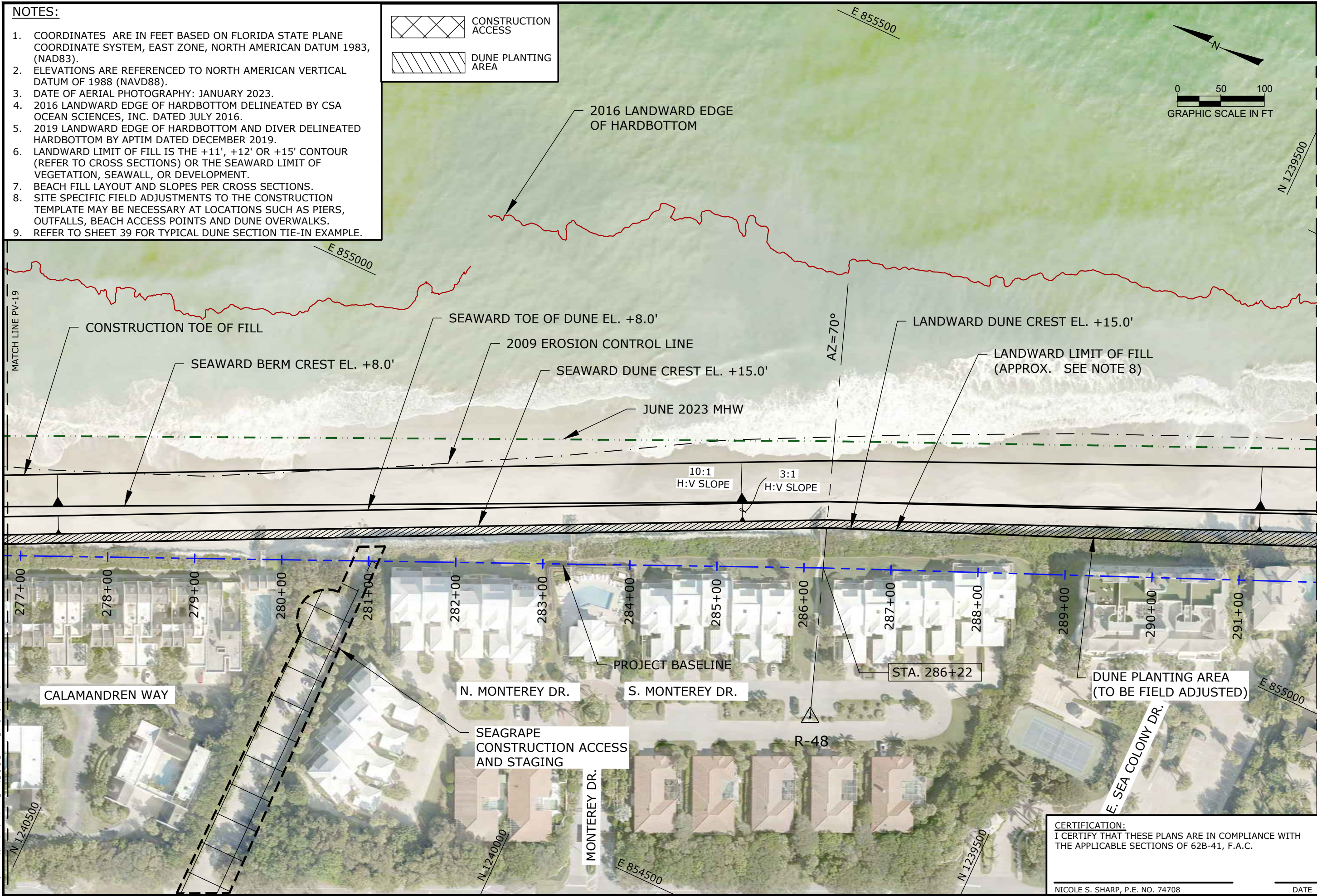
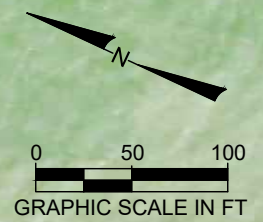
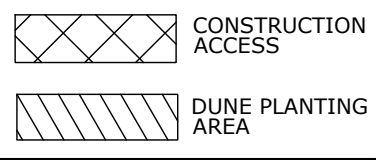
APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
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Reference Files:	Designed by:	Checked by:	Revisions:
SECTOR 3 HURRICANES IAN AND NICOLE REPAIR PROJECT CONSTRUCTION PLANS INDIAN RIVER COUNTY, FLORIDA PLAN VIEW	NS	NS	
	Drawn by: JA	Reviewed by: JA	
	Date: 08/18/23	Submitted by: NS	
	Plot Scale: AS NOTED	Comm. No.: 631033527	

DRAWING NO. **PV-18**
 SHEET 23 OF 40

NOTES:

- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD83).
- ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
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- REFER TO SHEET 39 FOR TYPICAL DUNE SECTION TIE-IN EXAMPLE.



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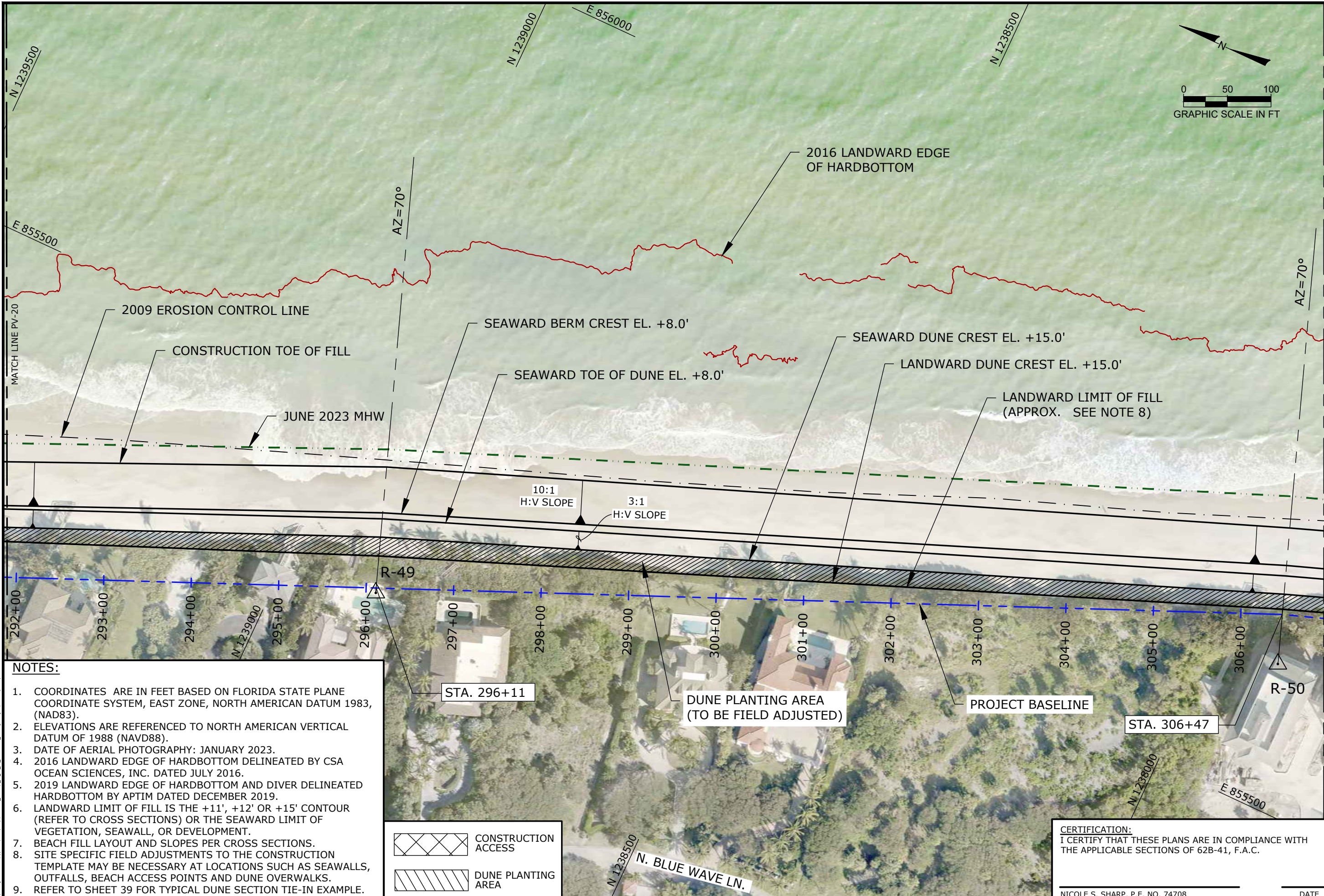
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REVISIONS	No.	Date	Description

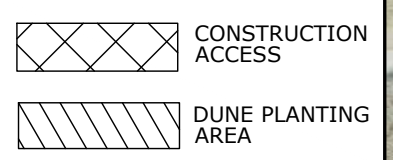
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Checked by:	NS
Drawn by:	JA
Date:	08/18/23
Submitted by:	NS
Plot Scale:	AS NOTED
Comm. No.:	631033527

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

CERTIFICATION:
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- NOTES:**
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 NICOLE S. SHARP, P.E. NO. 74708

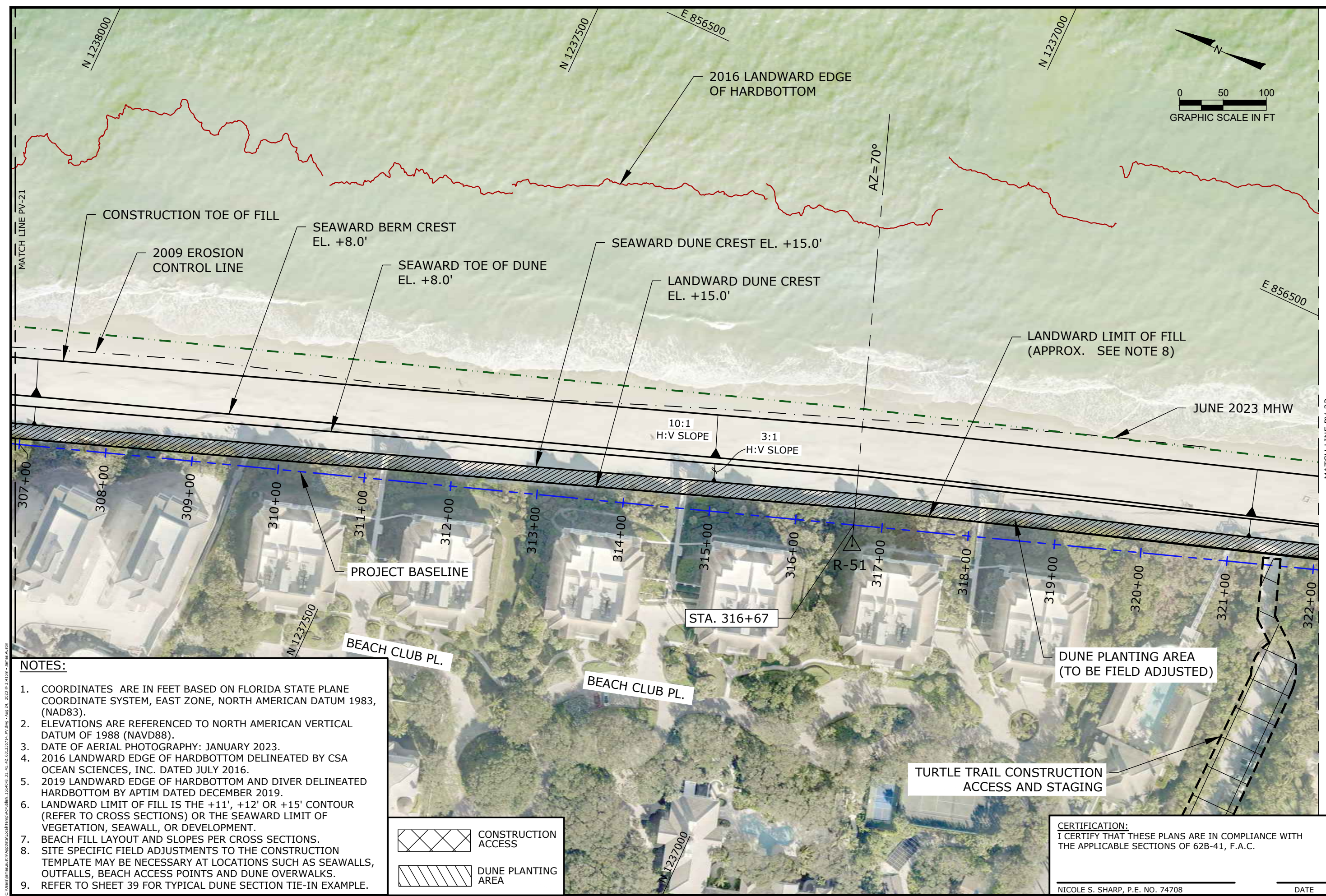
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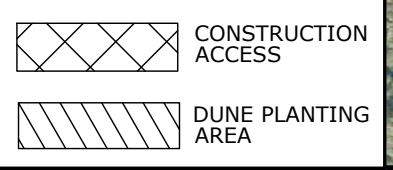
Reference Files:	Designed by:	Checked by:	REVISIONS
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	JA	JA	
	Date: 08/18/23	Submitted by: NS	
	Plot Scale: AS NOTED	Comm. No.: 631033527	

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-20**
 SHEET 25 OF 40



- NOTES:**
- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD83).
 - ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
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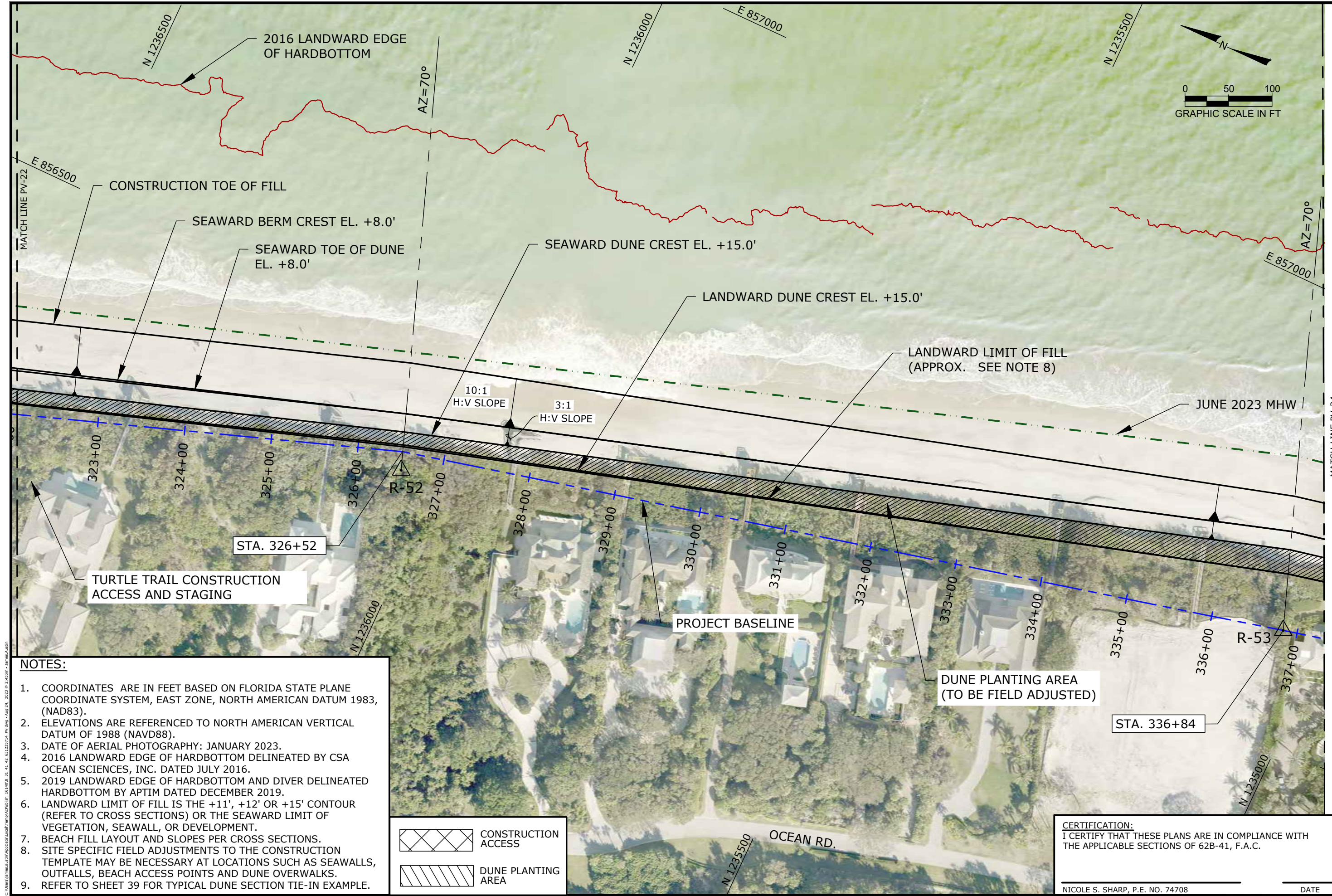
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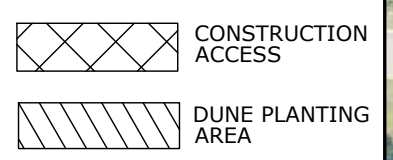
Reference Files:	Designed by:	Checked by:	REVISIONS
	NS	NS	
	JA	JA	
	Date: 08/18/23	Submitted by: NS	
	Plot Scale: AS NOTED	Comm. No.: 631033527	

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-21**
 SHEET 26 OF 40



- NOTES:**
- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD83).
 - ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - DATE OF AERIAL PHOTOGRAPHY: JANUARY 2023.
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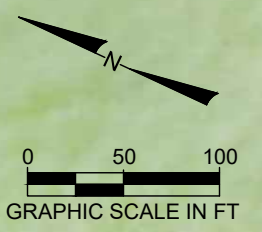
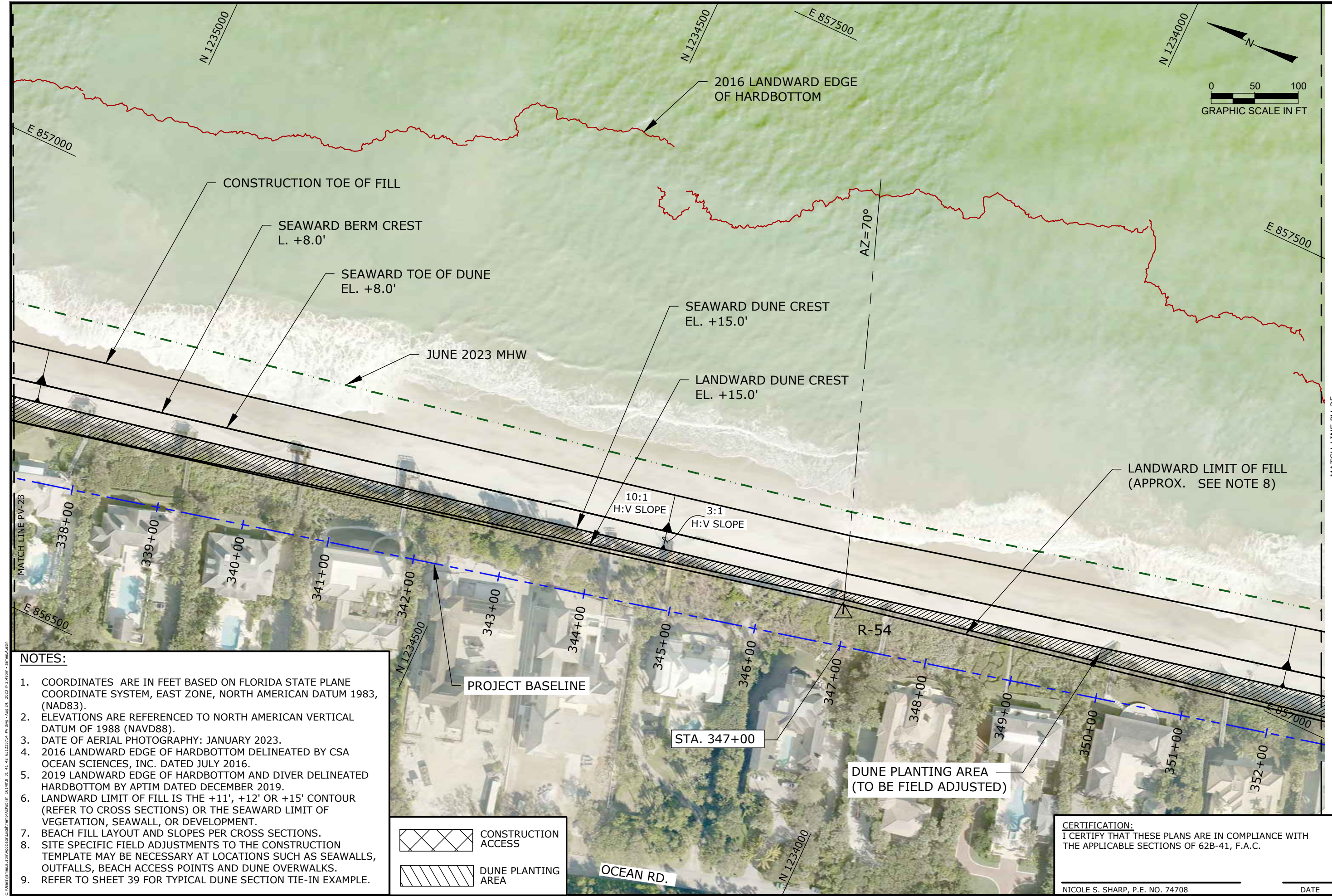
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Reference Files:	Designed by:	Checked by:	REVISIONS
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	Plot Scale: AS NOTED	Comm. No.: 631033527	

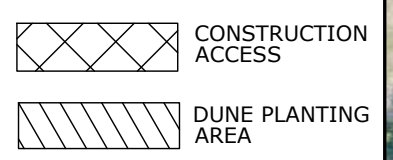
SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-22**

SHEET 27 OF 40



- NOTES:**
- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD83).
 - ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - DATE OF AERIAL PHOTOGRAPHY: JANUARY 2023.
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No.	Date	Description

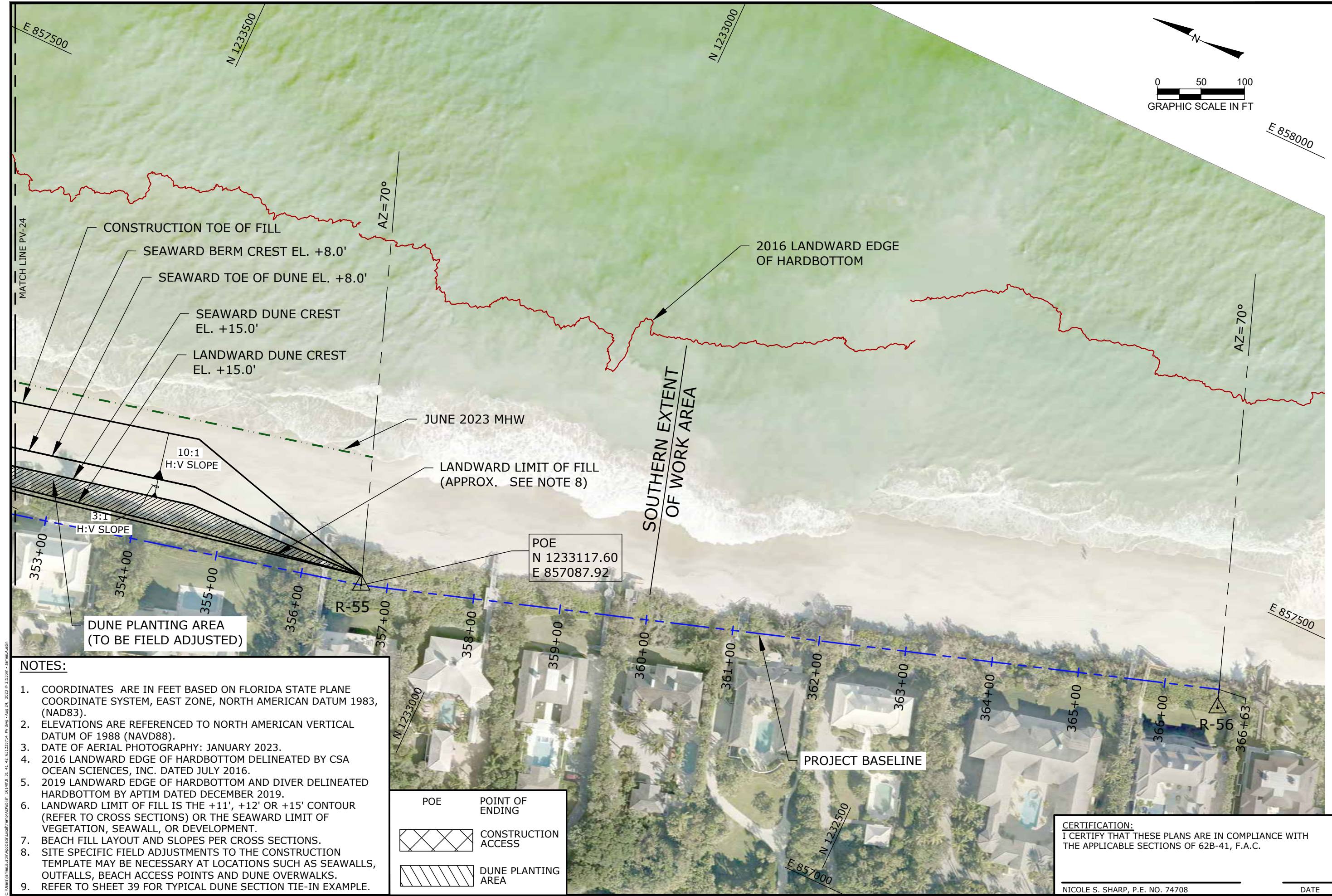
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Date:	Submitted by:
Plot Scale:	Comm. No.:
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SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO.
PV-23

SHEET 28 OF 40



- NOTES:**
- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983, (NAD83).
 - ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
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 - REFER TO SHEET 39 FOR TYPICAL DUNE SECTION TIE-IN EXAMPLE.

POE	POINT OF ENDING
	CONSTRUCTION ACCESS
	DUNE PLANTING AREA

CERTIFICATION:
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 NICOLE S. SHARP, P.E. NO. 74708

 DATE

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
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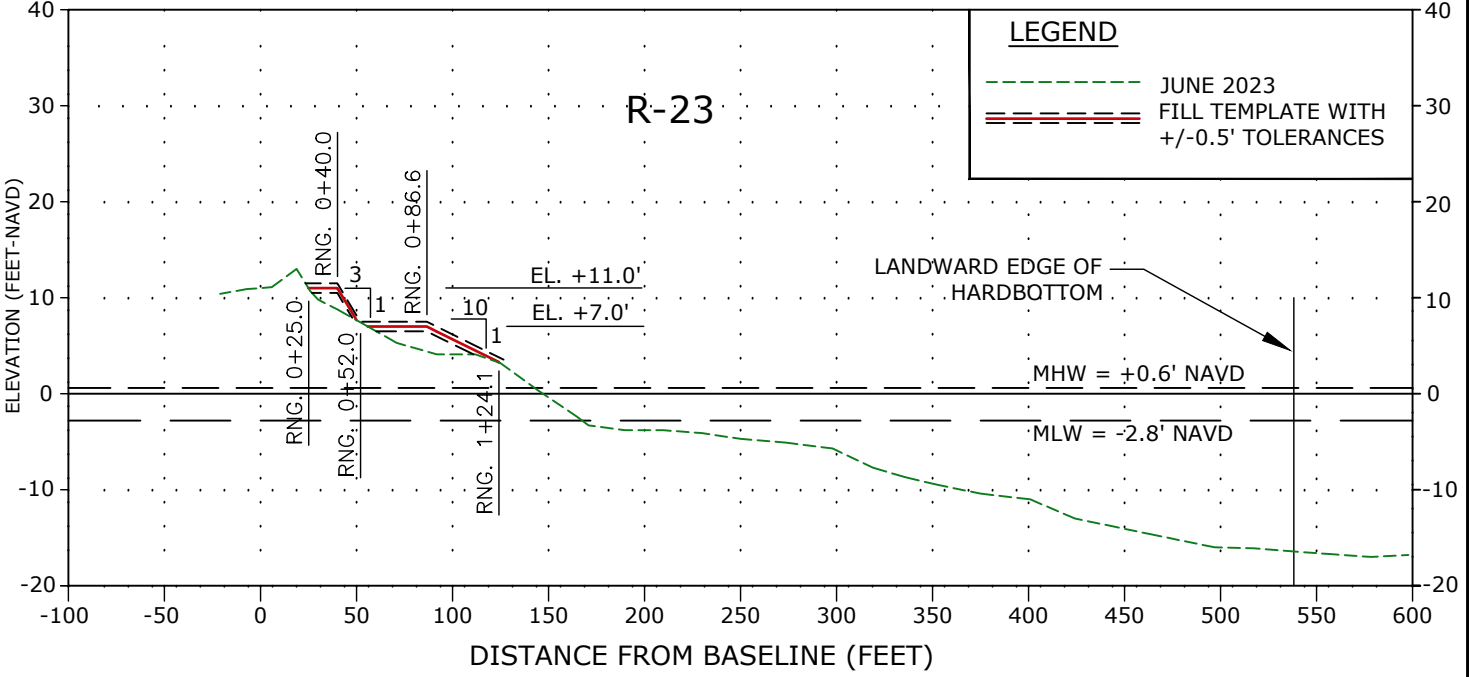
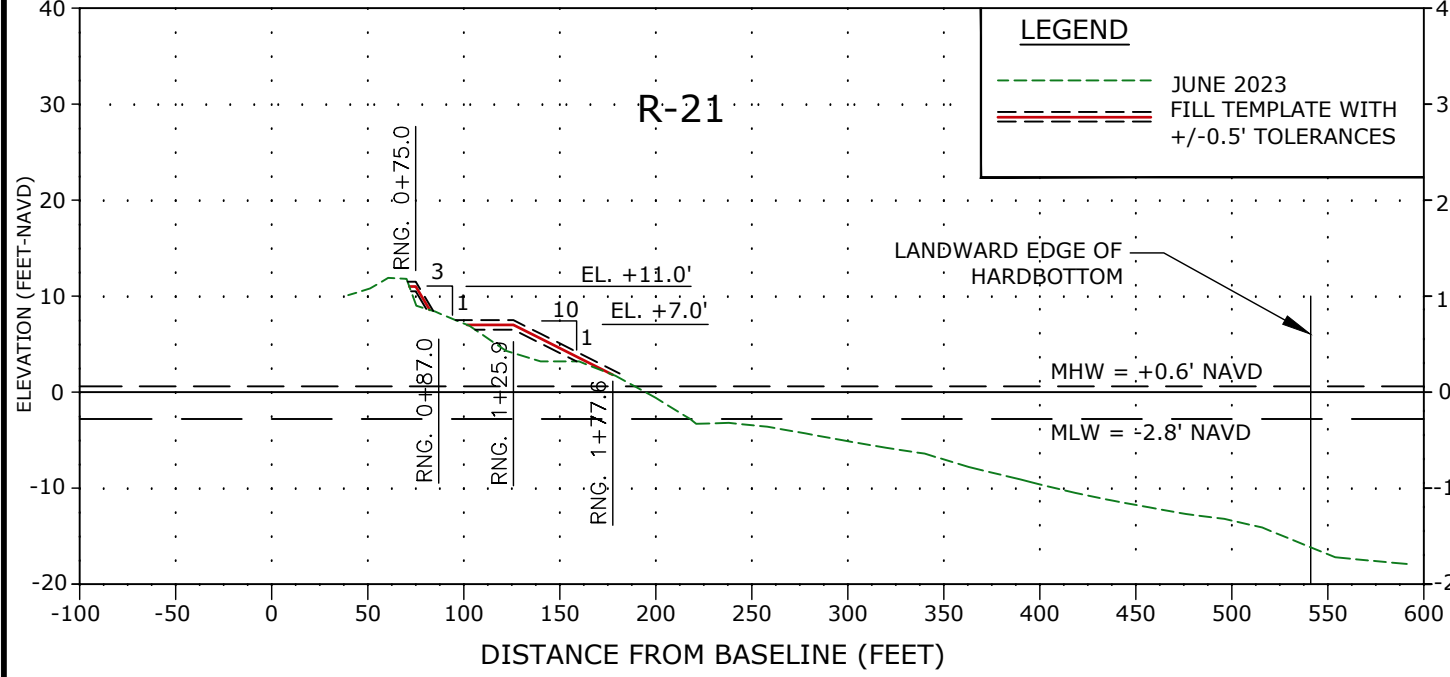
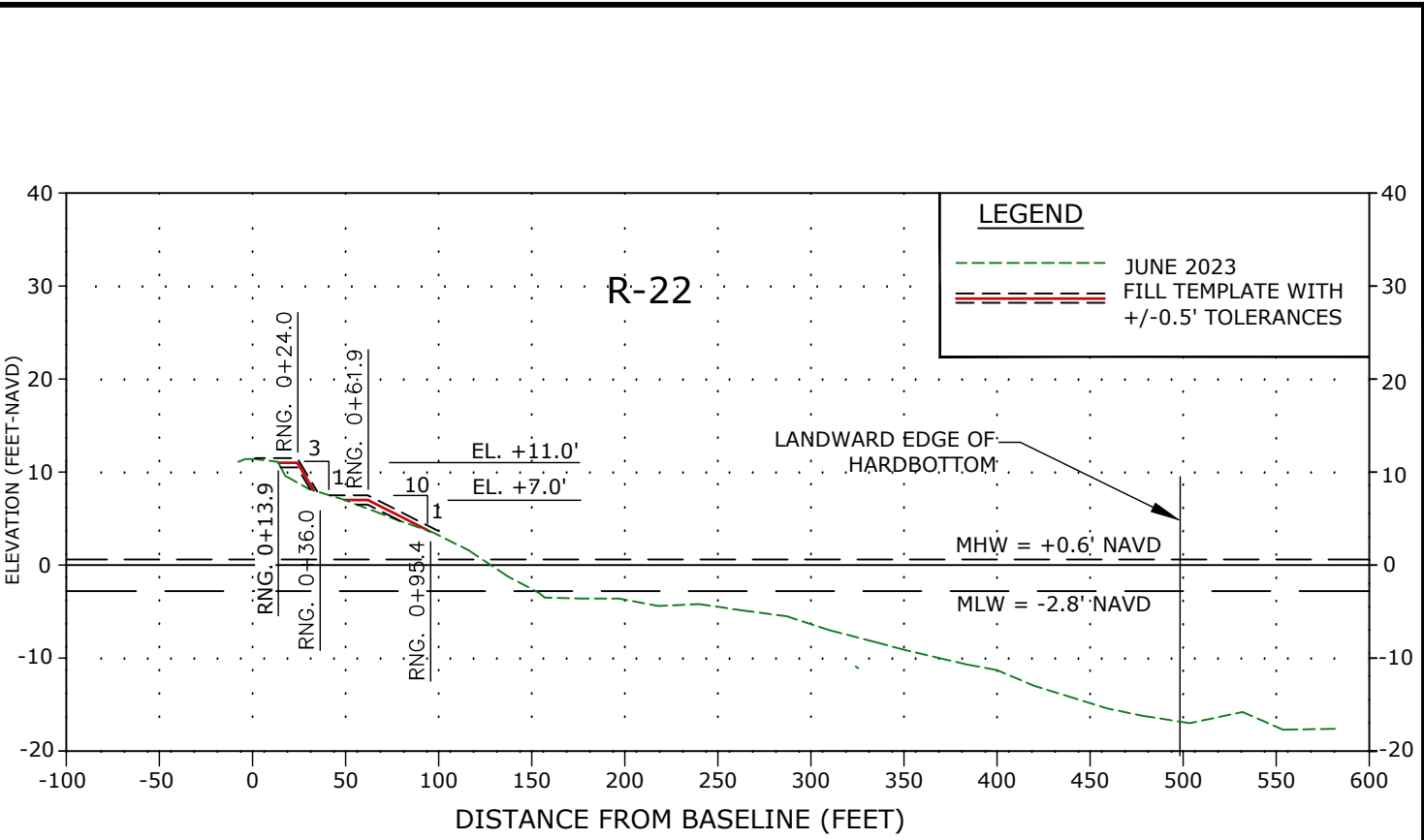
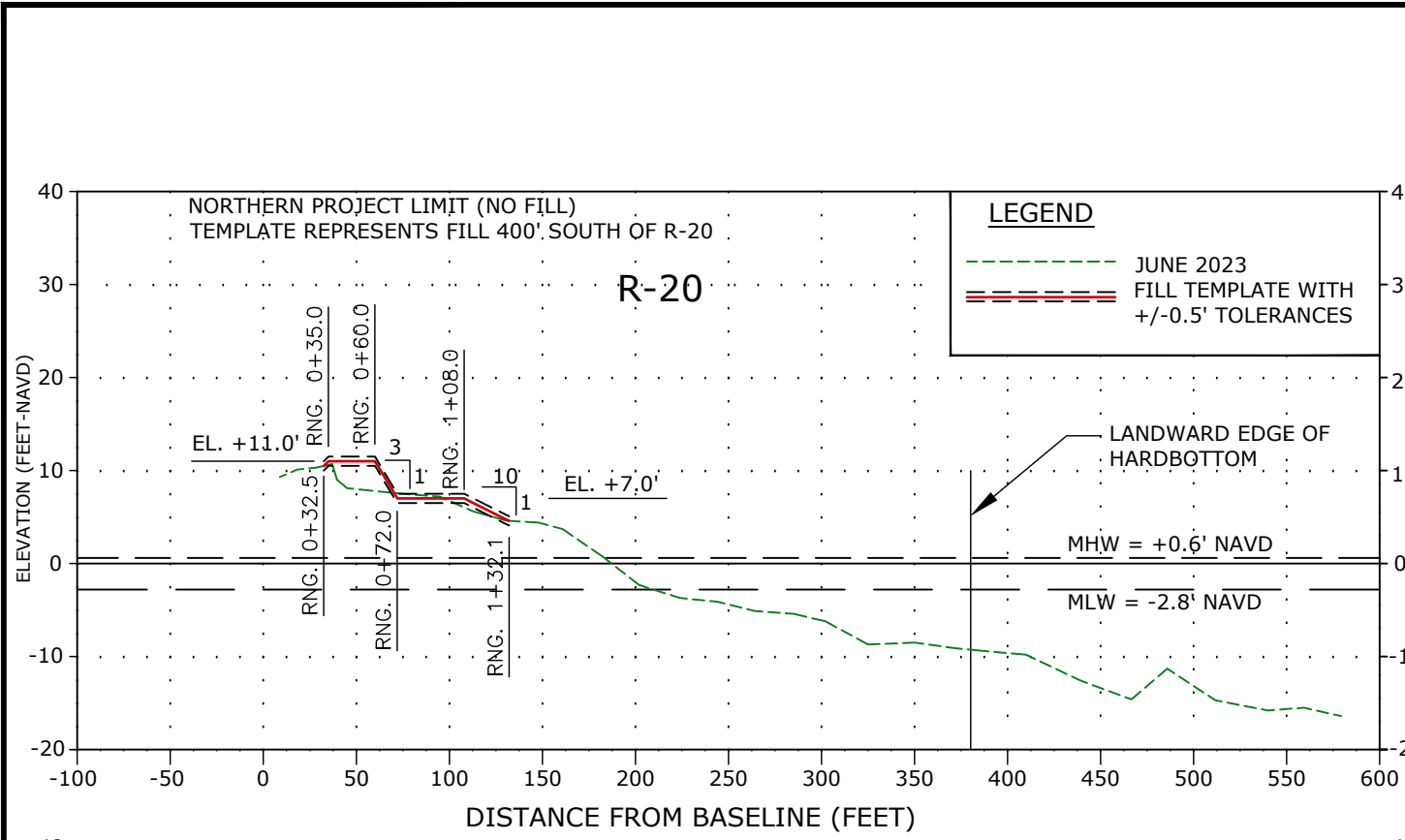
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	NS	NS	
	JA	JA	
	Date: 08/18/23	Submitted by: NS	
	Plot Scale: AS NOTED	Comm. No.: 631033527	

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 PLAN VIEW

DRAWING NO. **PV-24**

SHEET 29 OF 40



- NOTES:**
- ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - 2016 LANDWARD EDGE OF HARDBOTTOM DELINEATED BY CSA OCEAN SCIENCES, INC. DATED JULY 2016.
 - 2019 LANDWARD EDGE OF HARDBOTTOM (DIVER VERIFIED AND SIDESCAN SONAR) DELINEATED BY APTIM DATED DECEMBER 2019.
 - LANDWARD EDGE OF HARDBOTTOM REPRESENTS EITHER THE 2016 DIVER DELINEATED, 2019 DIVER DELINEATED, OR 2019 SIDESCAN SONAR DELINEATED EDGE OF HARDBOTTOM, WHICHEVER IS MORE LANDWARD.
 - BEACH PROFILE SURVEYS COLLECTED BY MORGAN AND EKLUND, INC. JUNE 2023.
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 - REFER TO SHEET 39 FOR TYPICAL DUNE SECTION TIE-IN EXAMPLE.

CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

NICOLE S. SHARP, P.E. NO. 74708 DATE

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
 6401 CONGRESS AVENUE, SUITE 140
 BOCA RATON, FLORIDA 33487
 PH. (561) 391-8102
 FAX (561) 391-9116
 C.O.A. FL. #9317
 www.APTIM.com

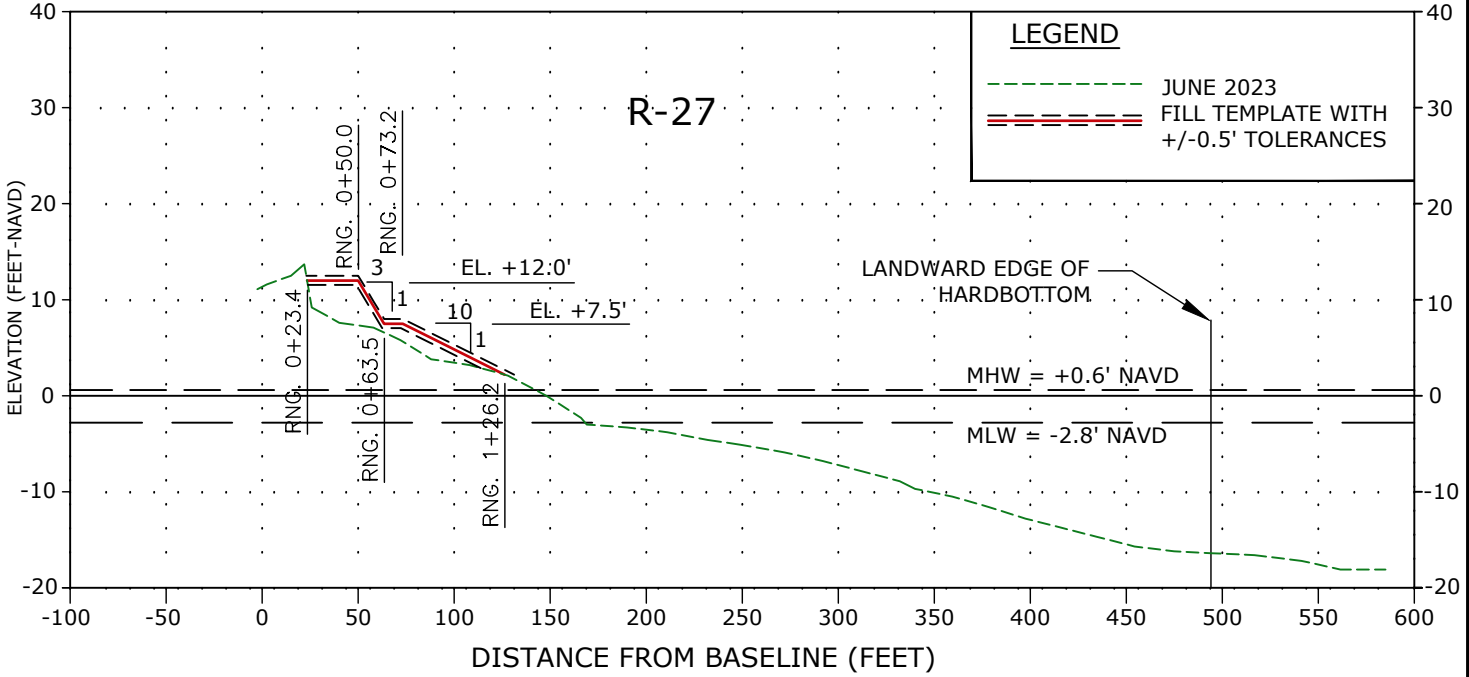
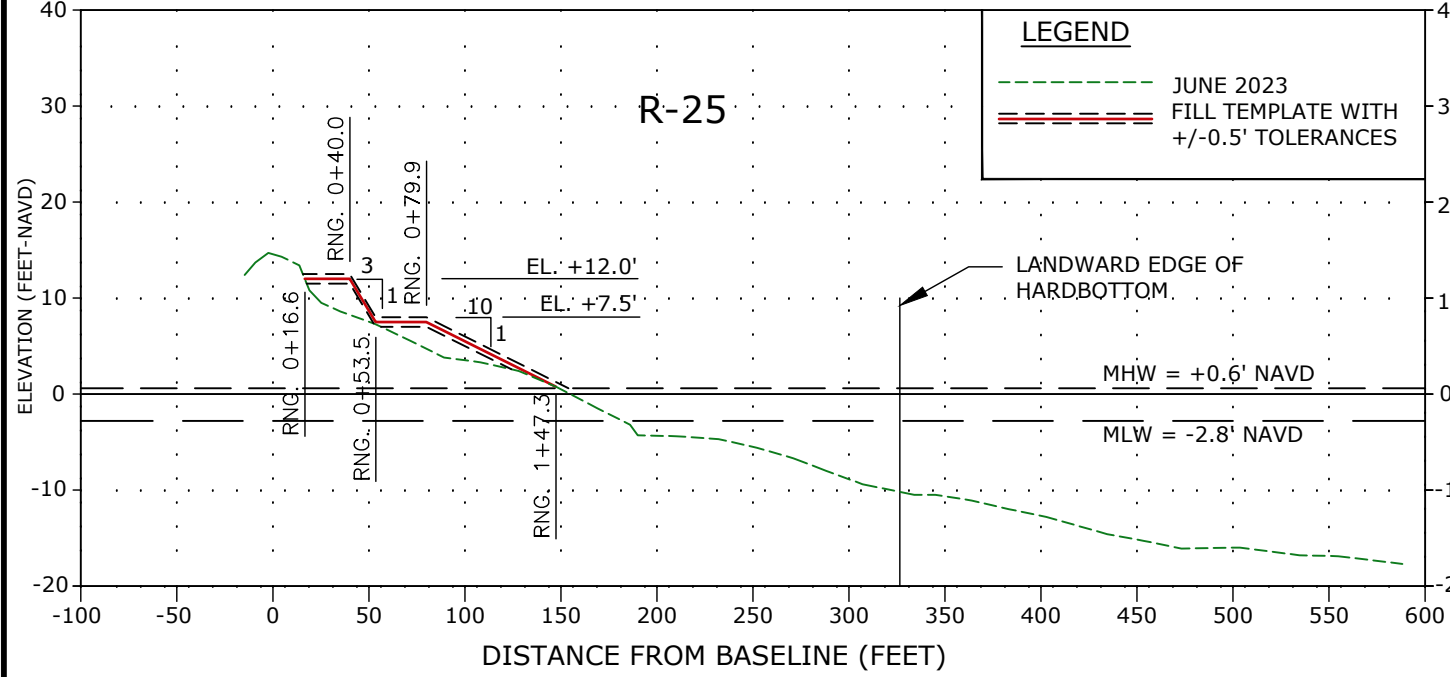
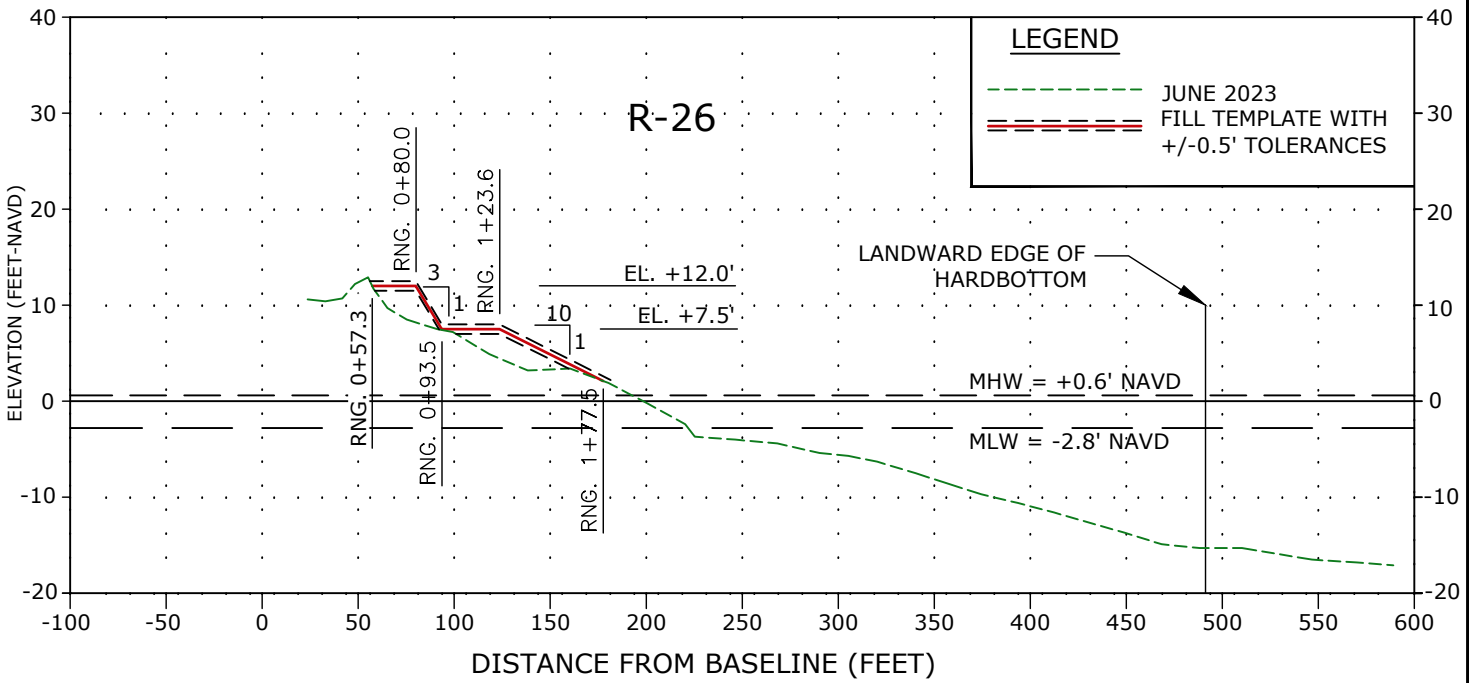
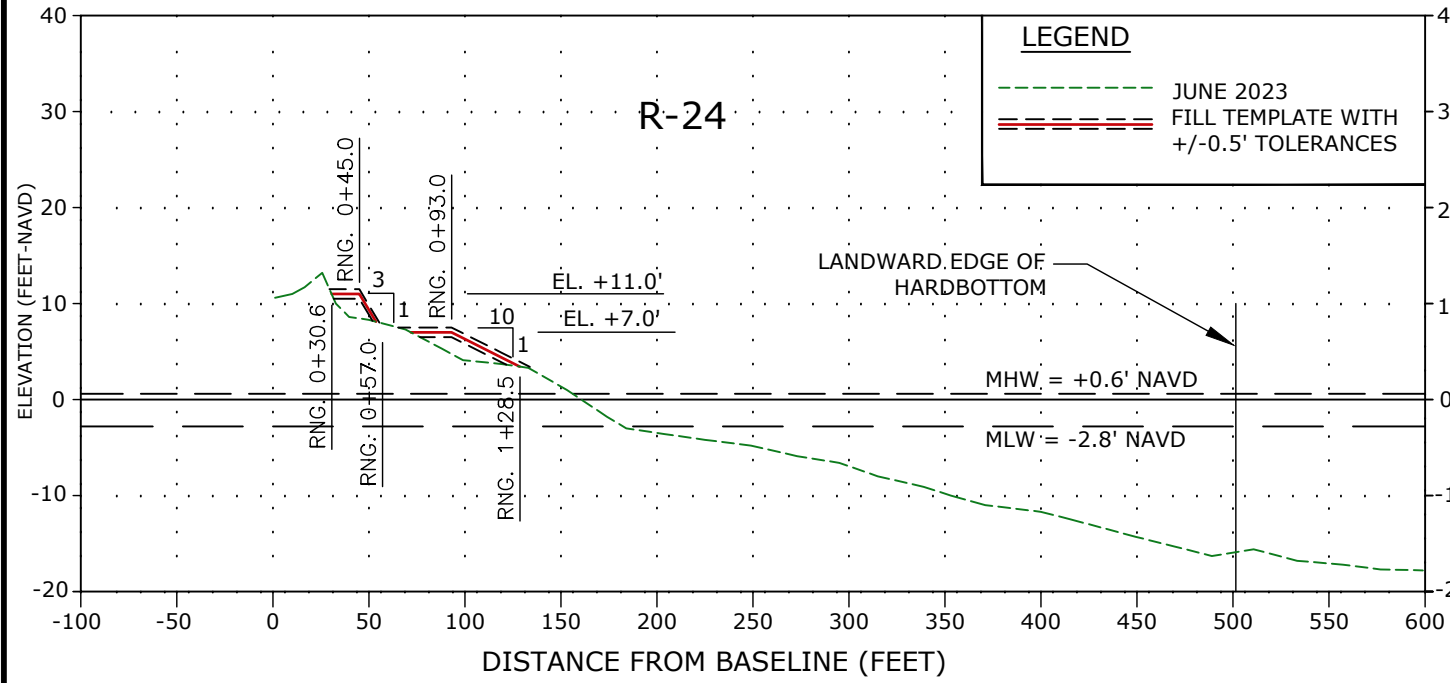
REVISIONS	No.	Date	Description

Designed by:	NS	Checked by:	NS
Drawn by:	JA	Reviewed by:	JA
Date:	08/18/23	Submitted by:	NS
Plot Scale:	AS NOTED	Comm. No.:	631033527

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 CROSS SECTIONS

DRAWING NO.
XS-1
 SHEET 30 OF 40

P:\Indian River\2023 - Sector 3_Design and Permitting_CAD\3D_031323\74708_031323.dwg - Aug 24, 2023 @ 2:53pm - James Austin



NOTES:

- ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
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NICOLE S. SHARP, P.E. NO. 74708

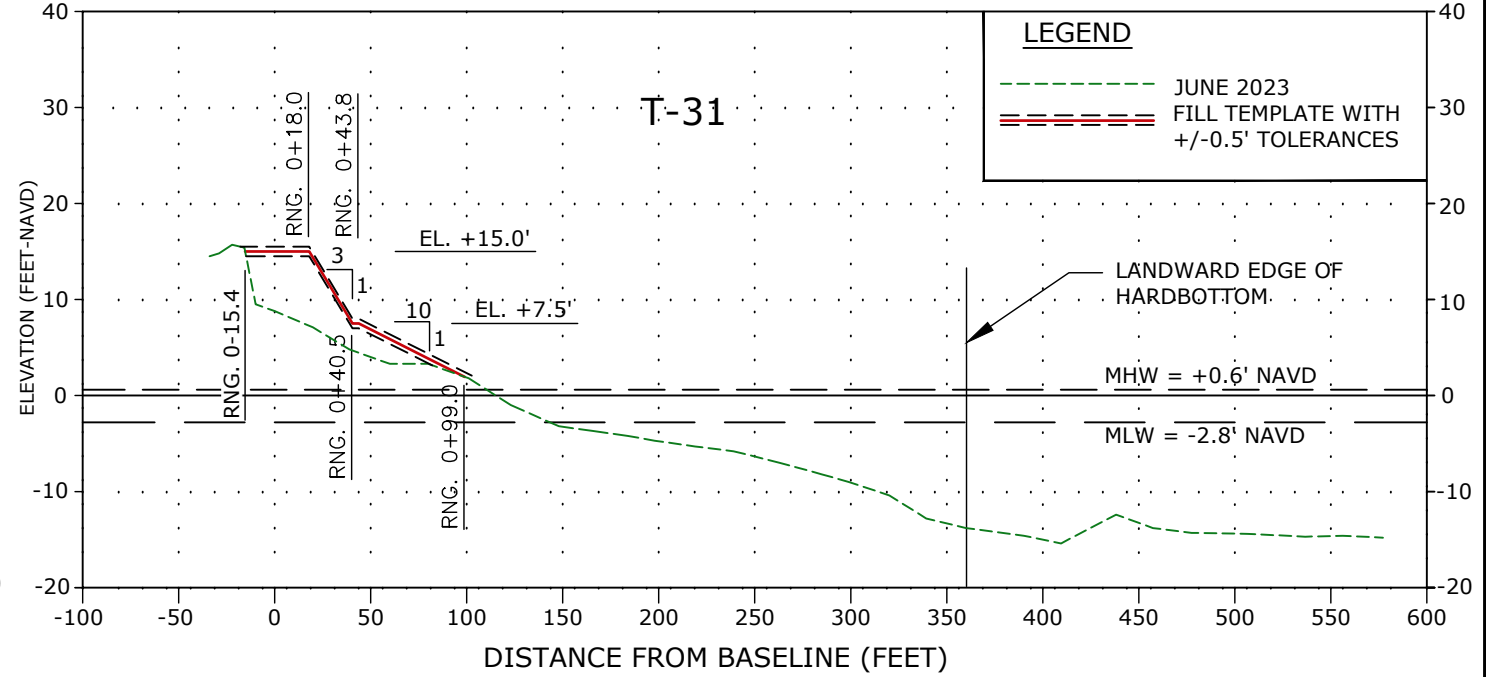
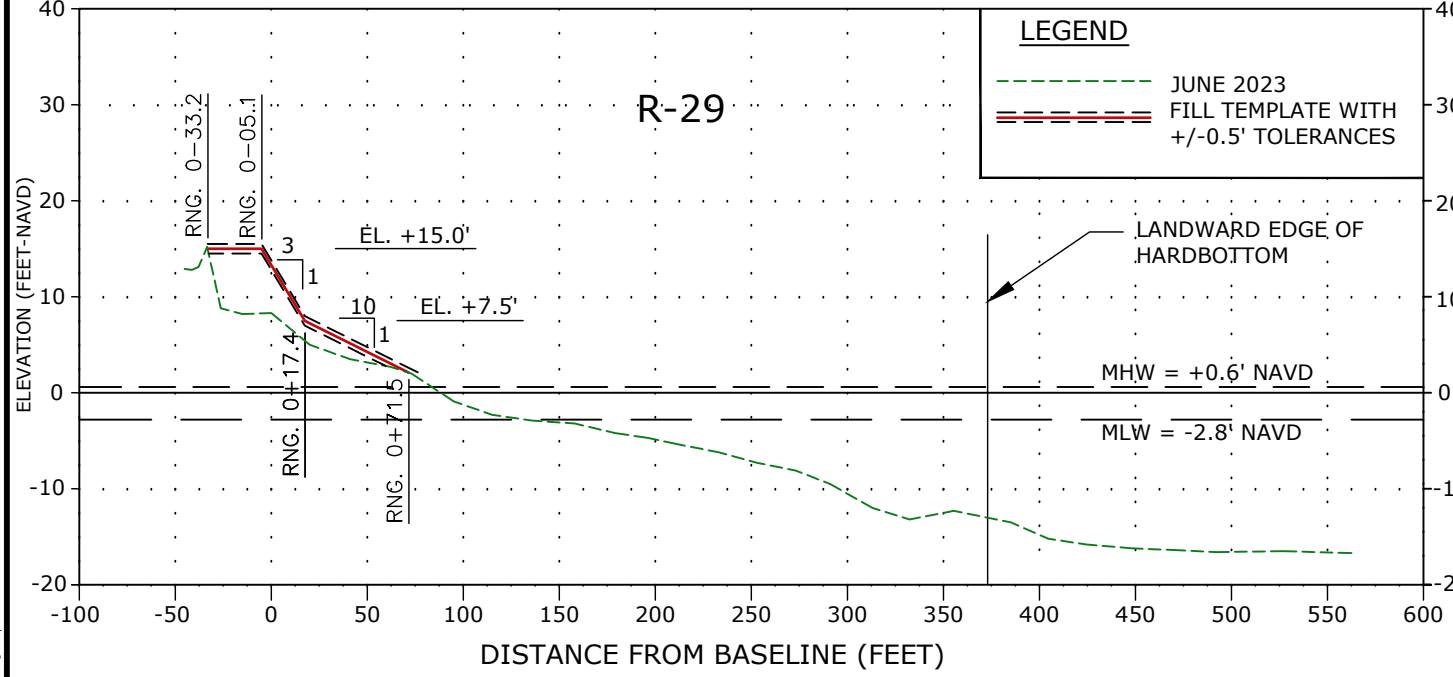
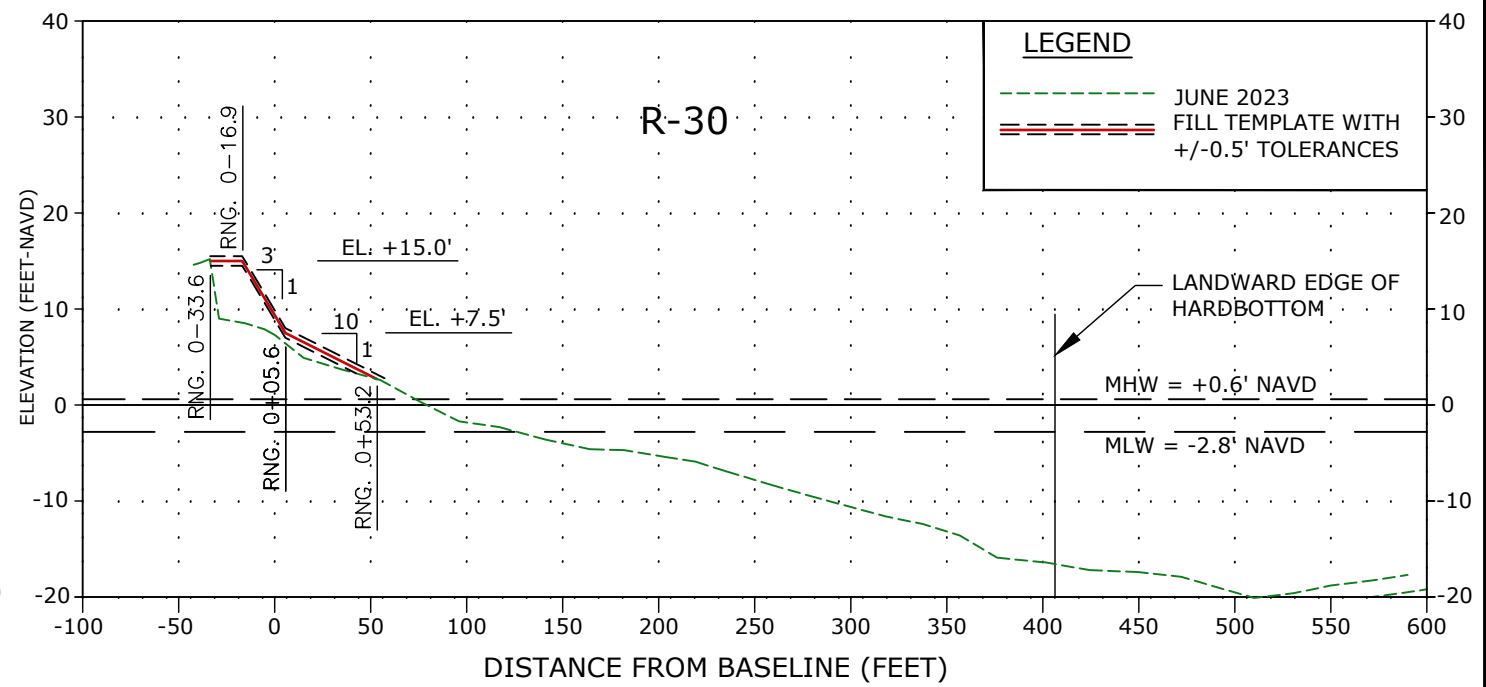
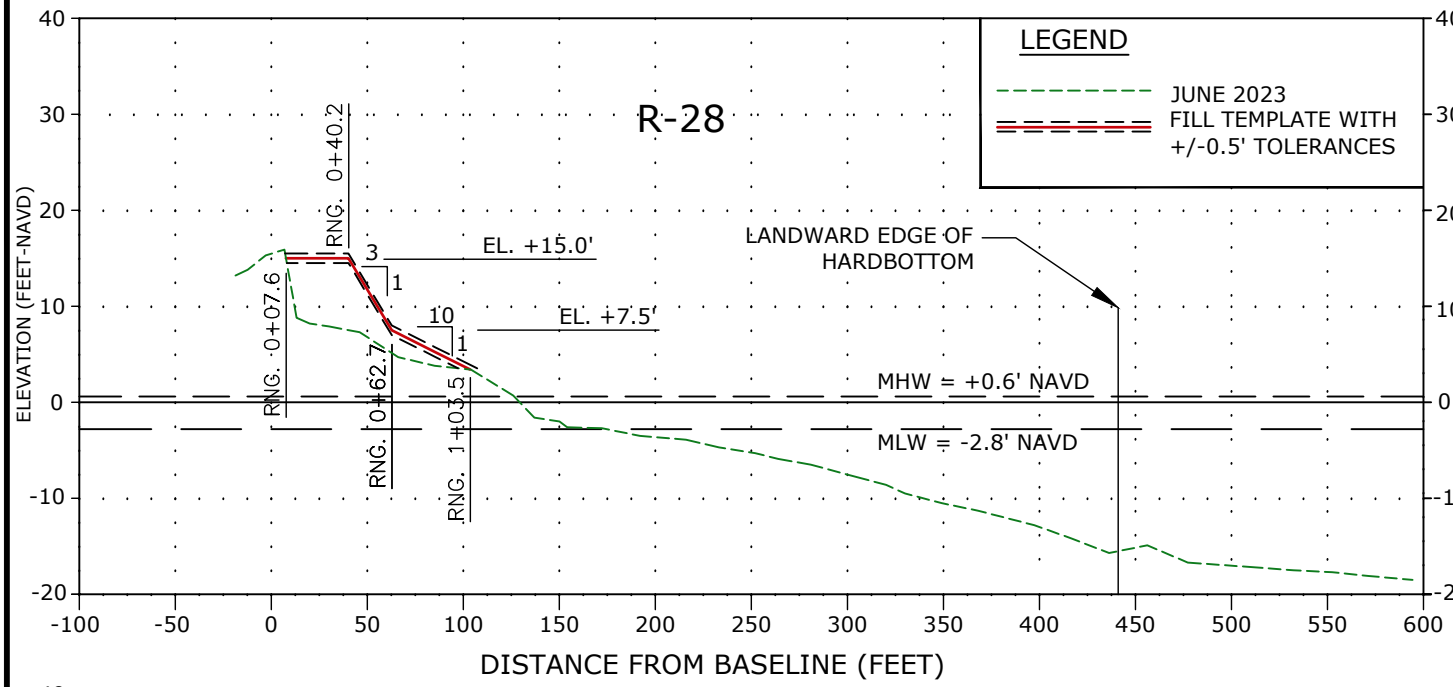
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REVISIONS	No.	Date	Description

SECTOR 3
HURRICANES IAN AND NICOLE REPAIR PROJECT
CONSTRUCTION PLANS
INDIAN RIVER COUNTY, FLORIDA
CROSS SECTIONS

DRAWING NO.
XS-2
SHEET 31 OF 40

P:\Indian River\2023 - Sector 3 - Design and Permitting\00032_00031235714C_05.dwg - Aug 24, 2023 @ 2:53pm - James Austin



- NOTES:**
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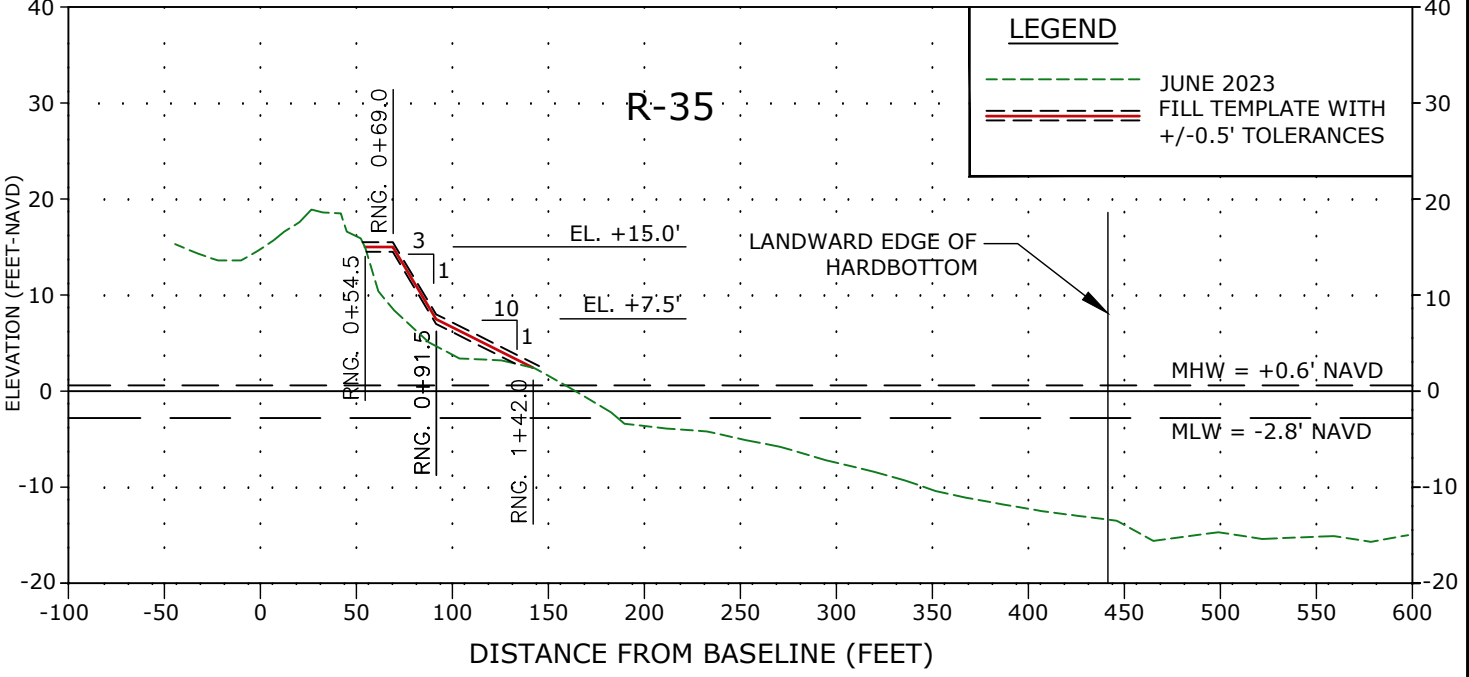
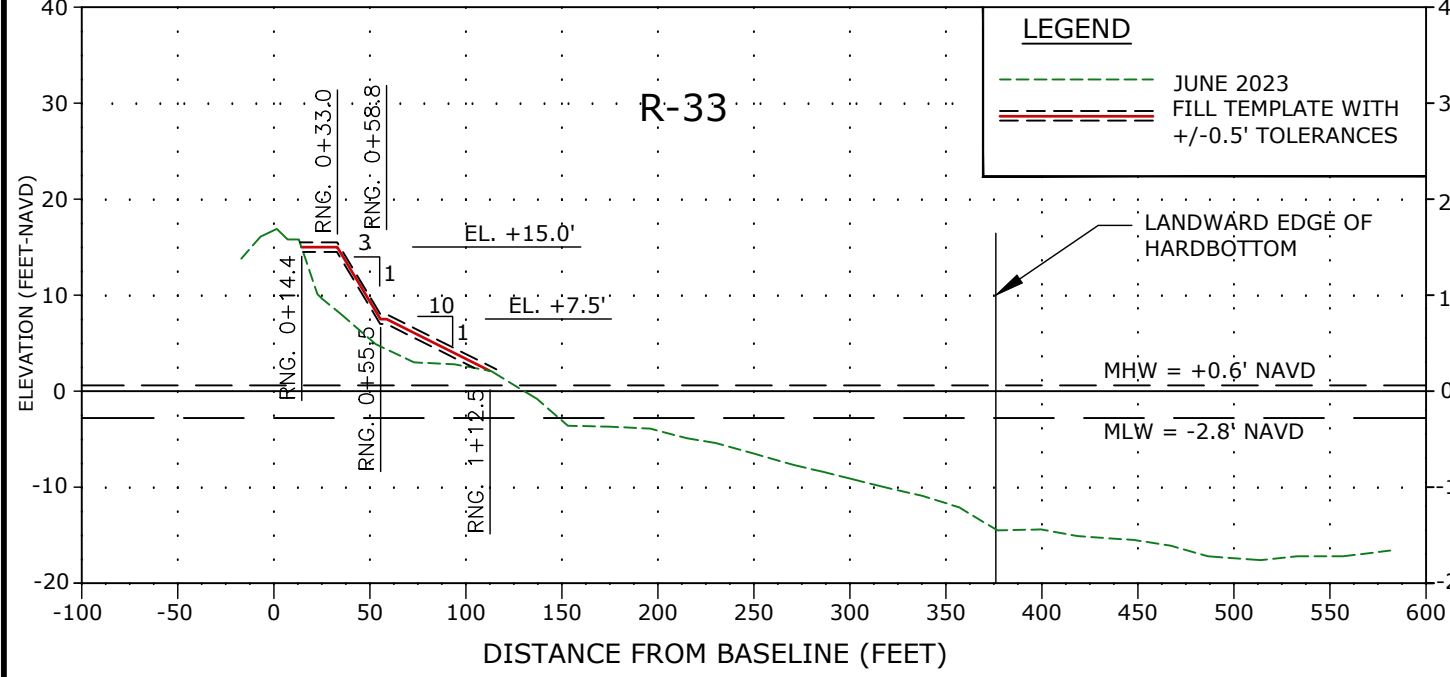
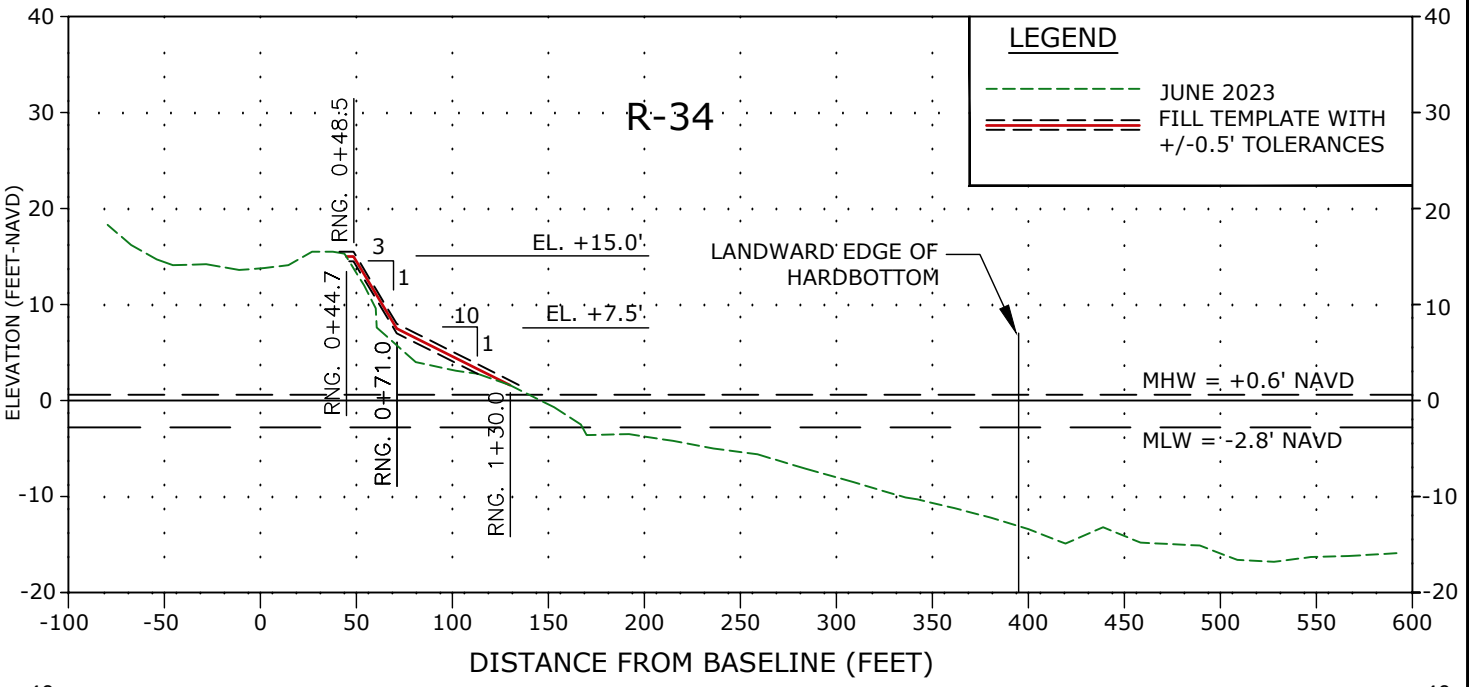
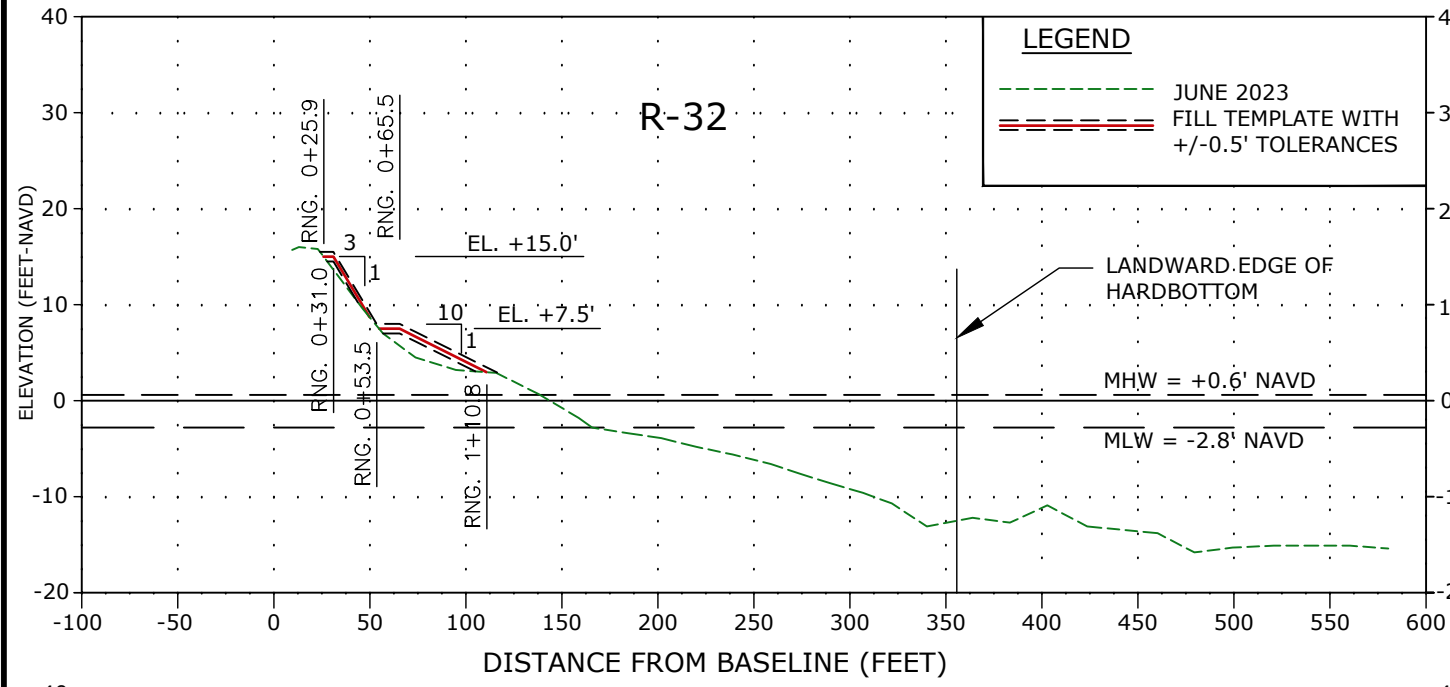
REVISIONS	No.	Date	Description

Designed by:	NS	Checked by:	NS
Drawn by:	JA	Reviewed by:	JA
Date:	08/18/23	Submitted by:	NS
Proj. No.:	631033527	Comm. No.:	AS NOTED

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 CROSS SECTIONS

DRAWING NO.
XS-3
 SHEET 32 OF 40

P:\Indian River\2023 - Sector 3 - Design and Permitting\LOD32_6013123714C_05.dwg - Aug 24, 2023 @ 2:53pm - James Austin



NOTES:

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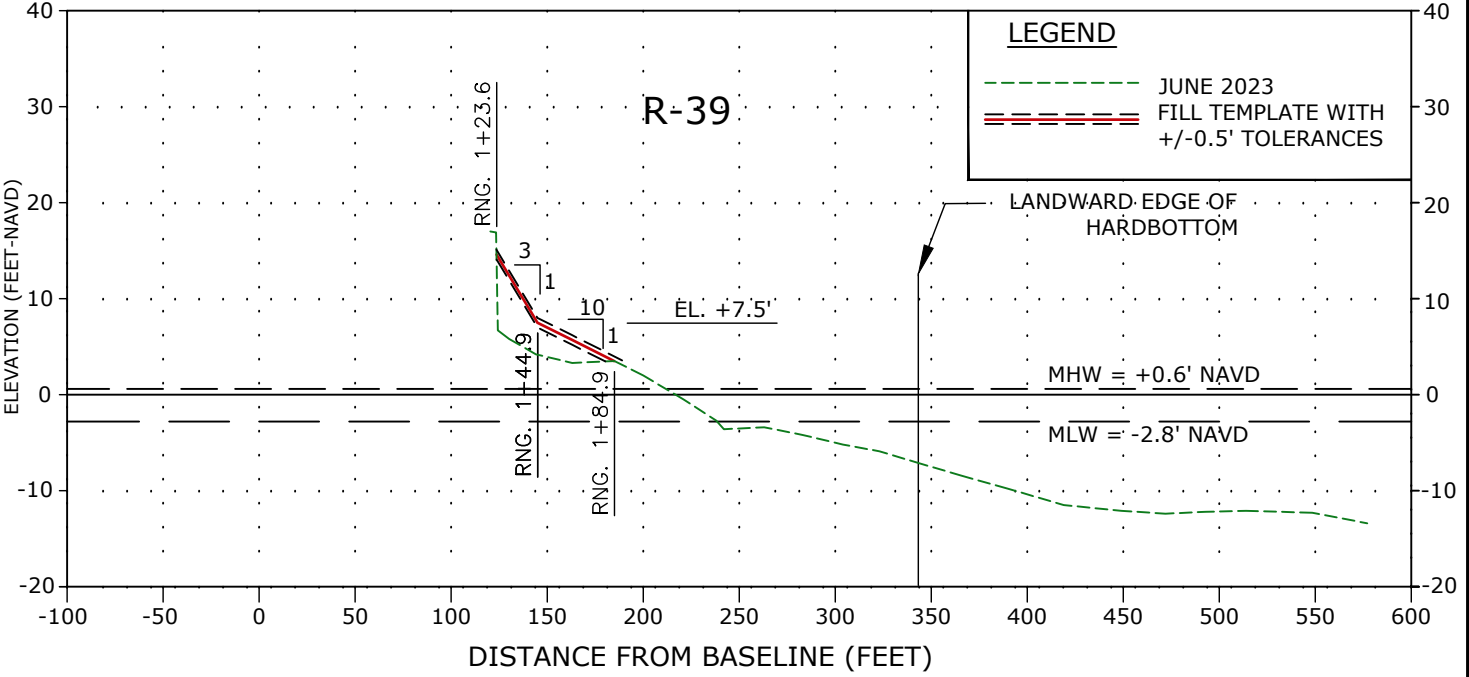
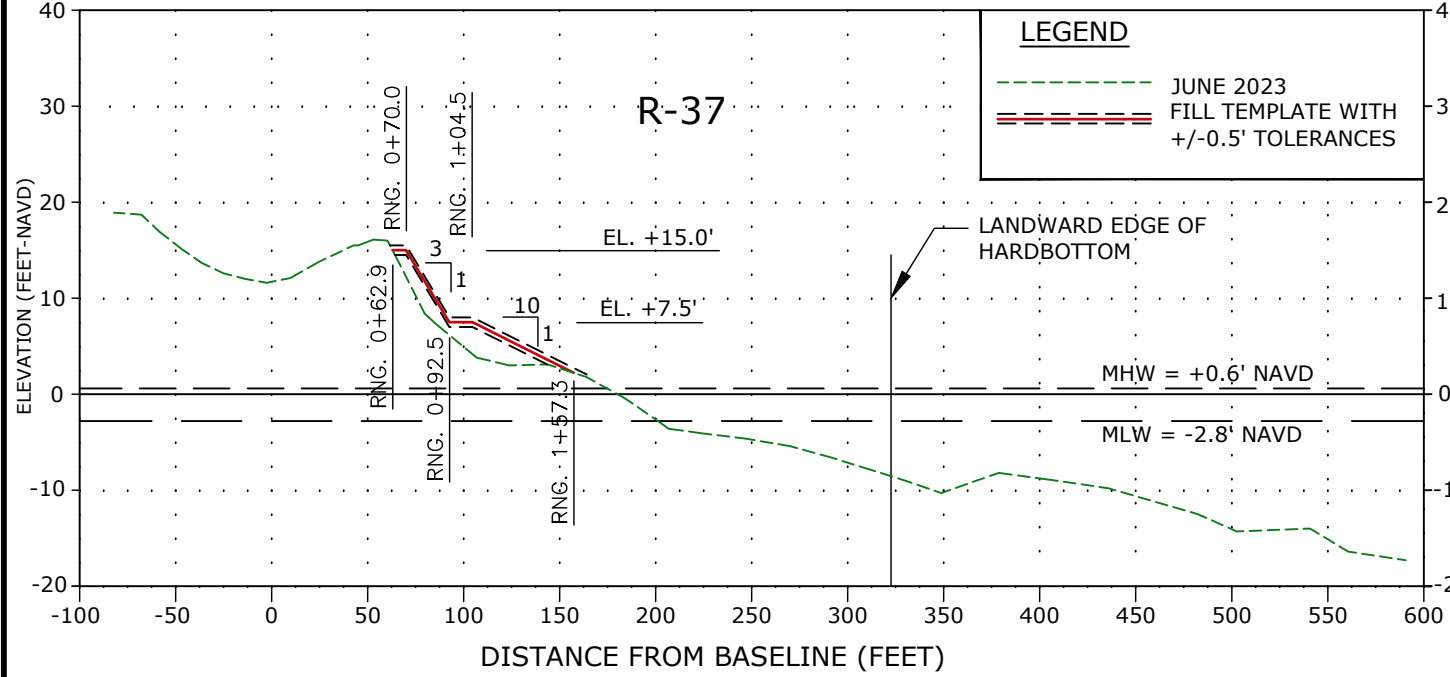
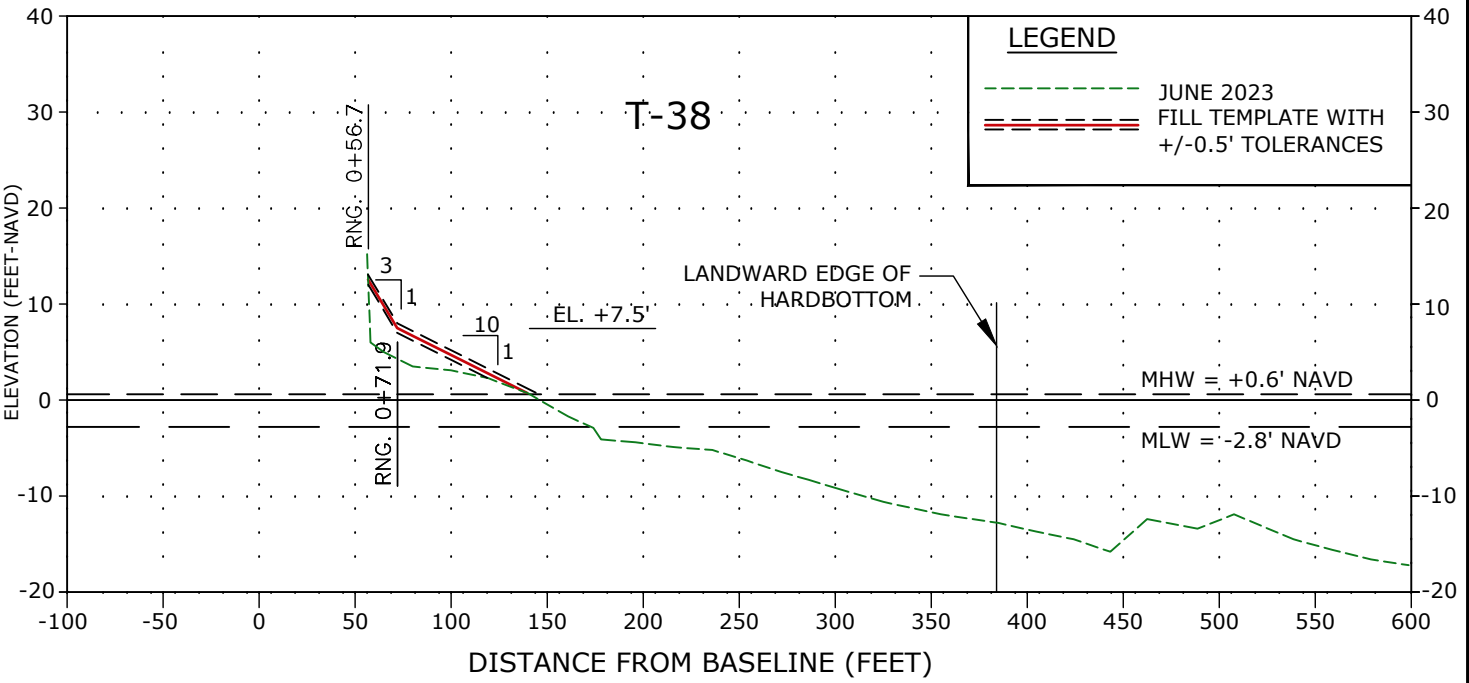
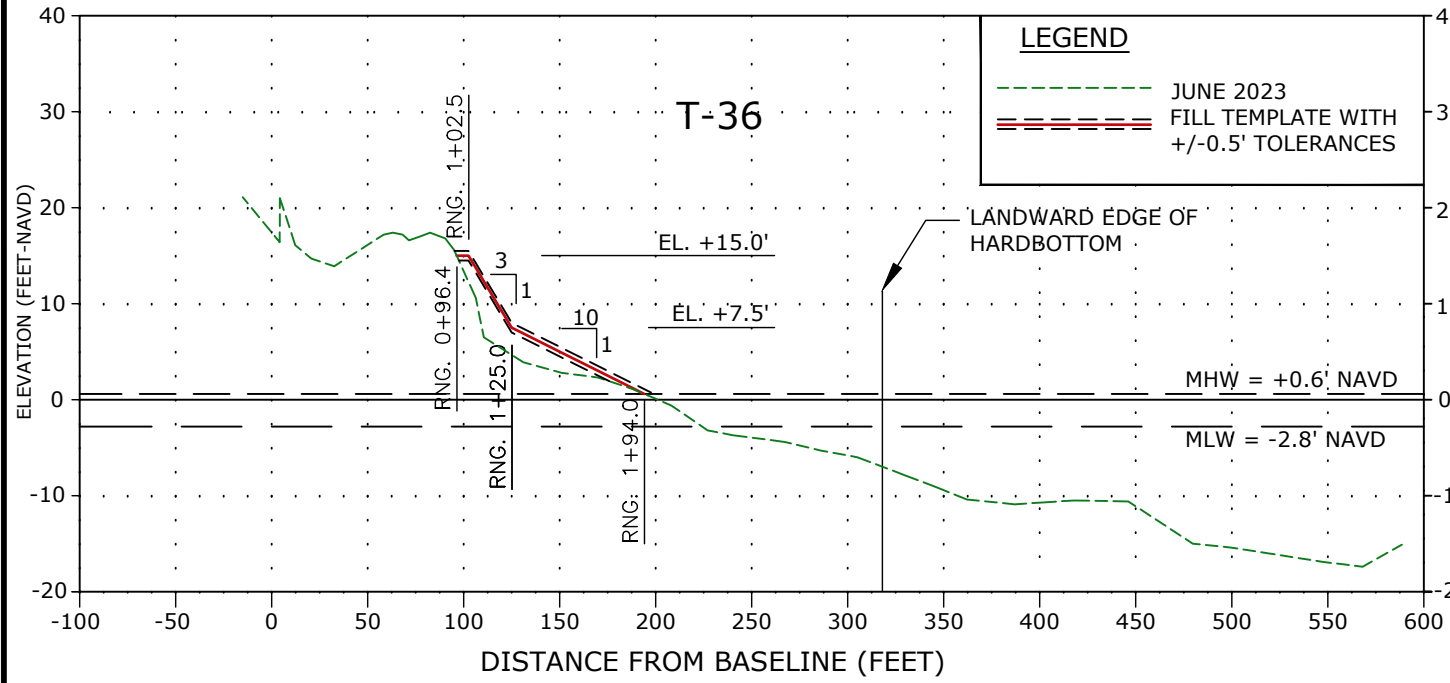
REVISIONS	No.	Date	Description

Checked by:	NS
Reviewed by:	JA
Drawn by:	JA
Date:	08/18/23
Submitted by:	NS
Comm. No.:	631033527
Plot Scale:	AS NOTED

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 CROSS SECTIONS

DRAWING NO.
XS-4
 SHEET 33 OF 40

P:\Indian River\2023 - Sector 3 - Design and Permitting\0032_0033\35714C_05.dwg - Aug 24, 2023 @ 2:53pm - James Austin



NOTES:

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NICOLE S. SHARP, P.E. NO. 74708

DATE

REVISIONS	No.	Date	Description

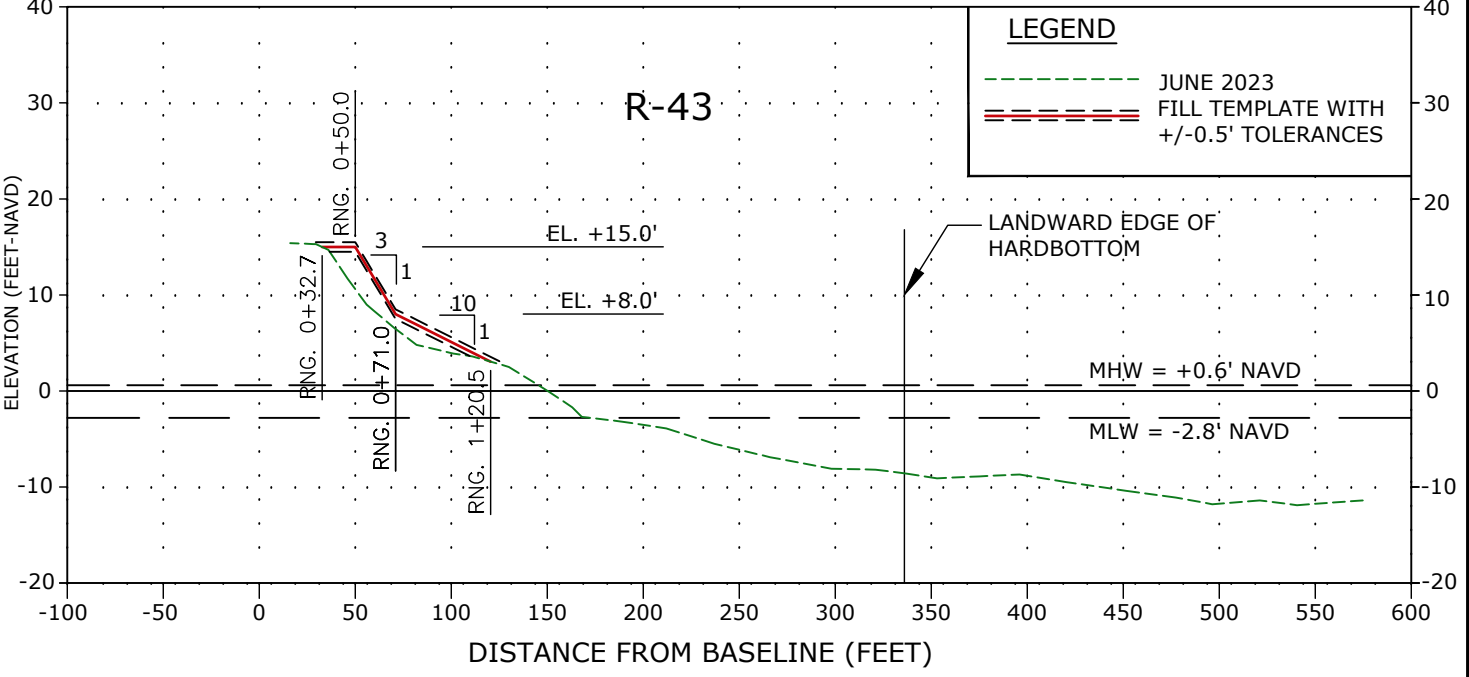
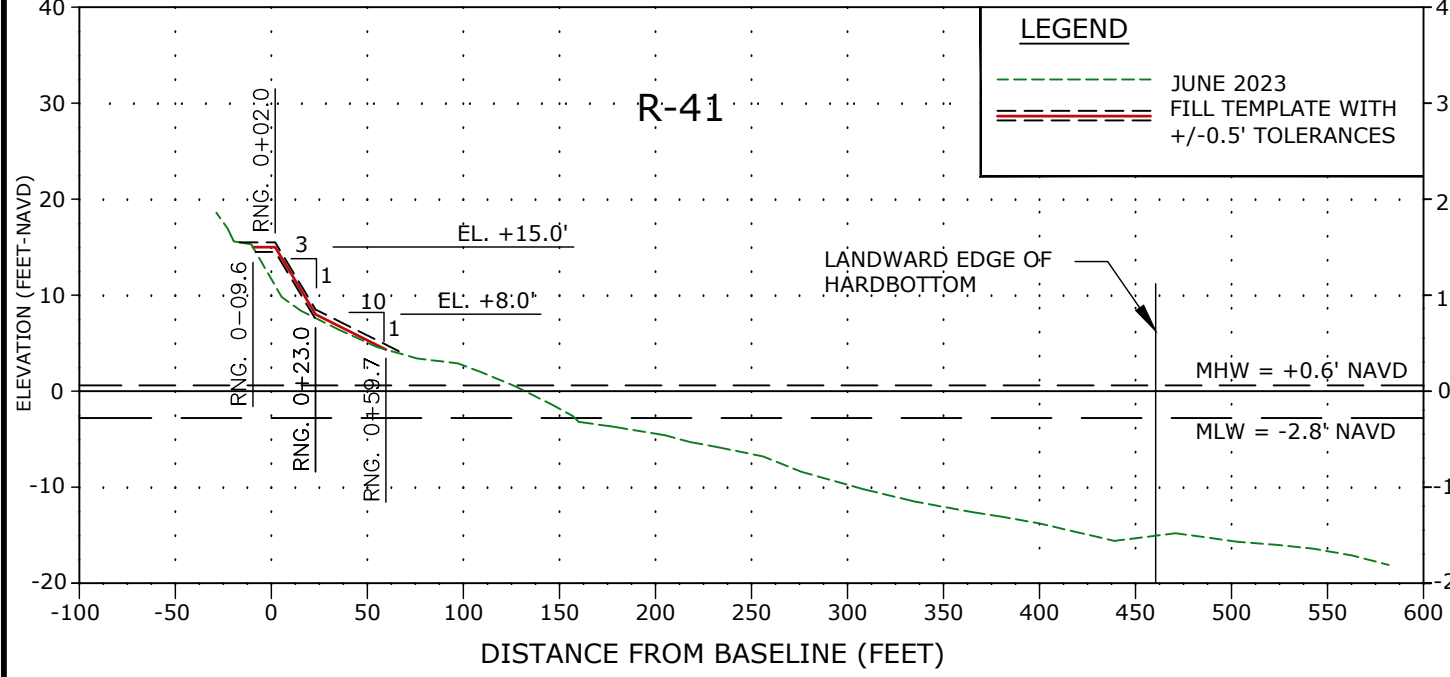
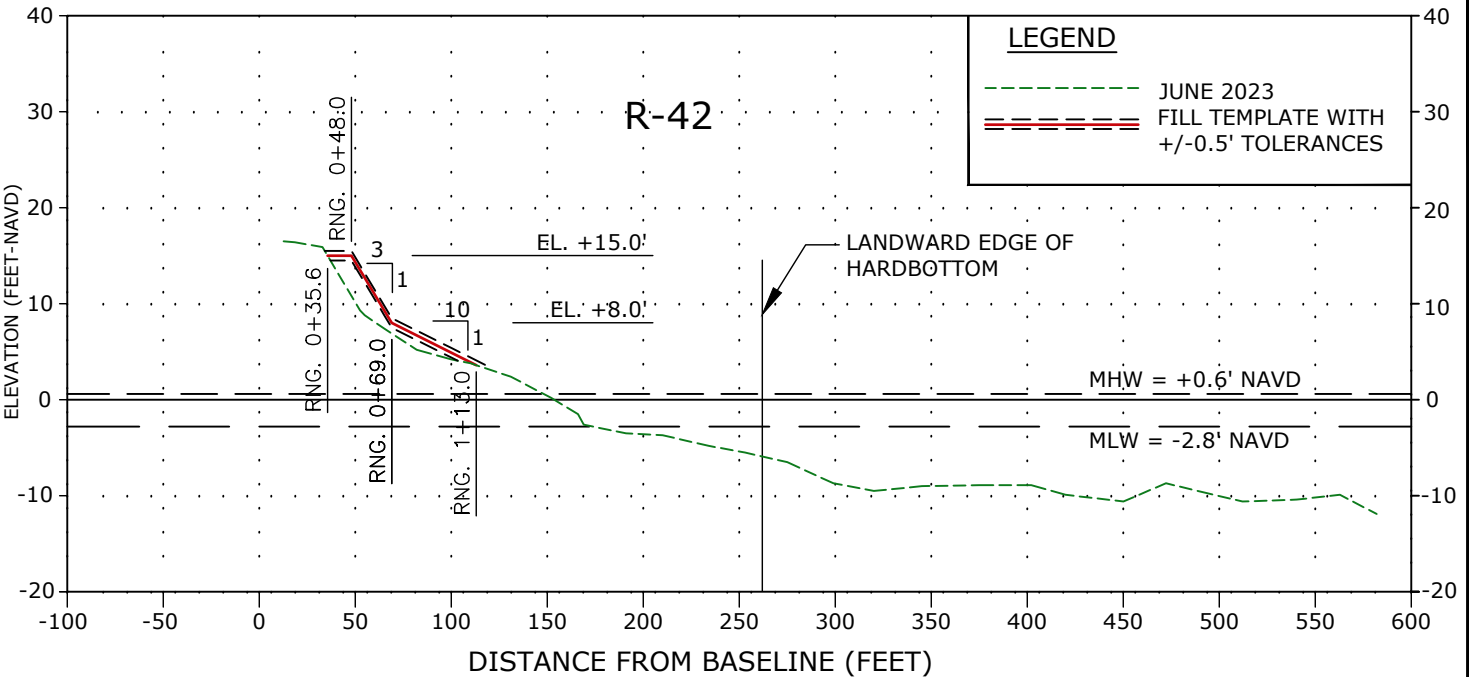
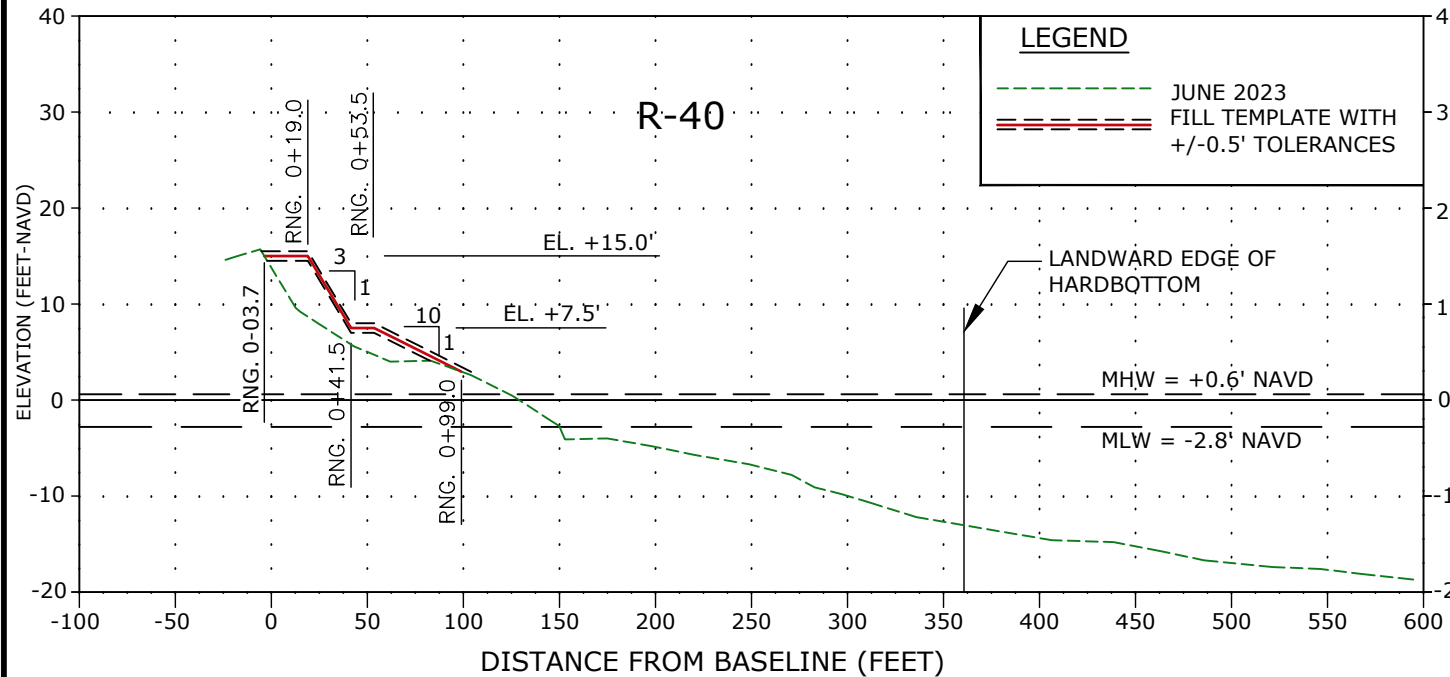
Designed by:	NS	Checked by:	NS
Drawn by:	JA	Reviewed by:	JA
Date:	08/18/23	Submitted by:	NS
Proj. Scale:	AS NOTED	Comm. No.:	63103327

SECTOR 3
HURRICANES IAN AND NICOLE REPAIR PROJECT
CONSTRUCTION PLANS
INDIAN RIVER COUNTY, FLORIDA
CROSS SECTIONS

DRAWING NO.

XS-5

P:\Indian River\2023 - Sector 3 - Design and Permitting\0032_0033\123714C_05.dwg - Aug 24, 2023 @ 2:53pm - James Austin



- NOTES:**
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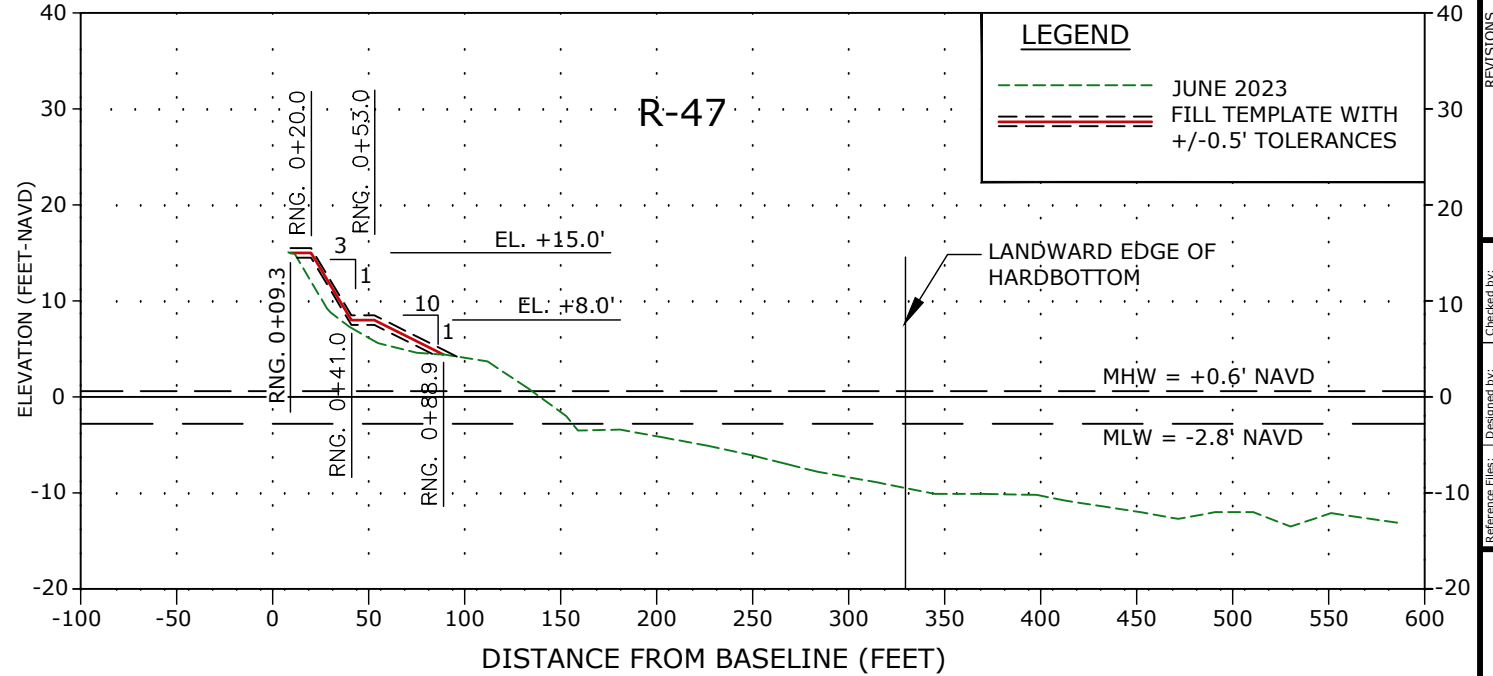
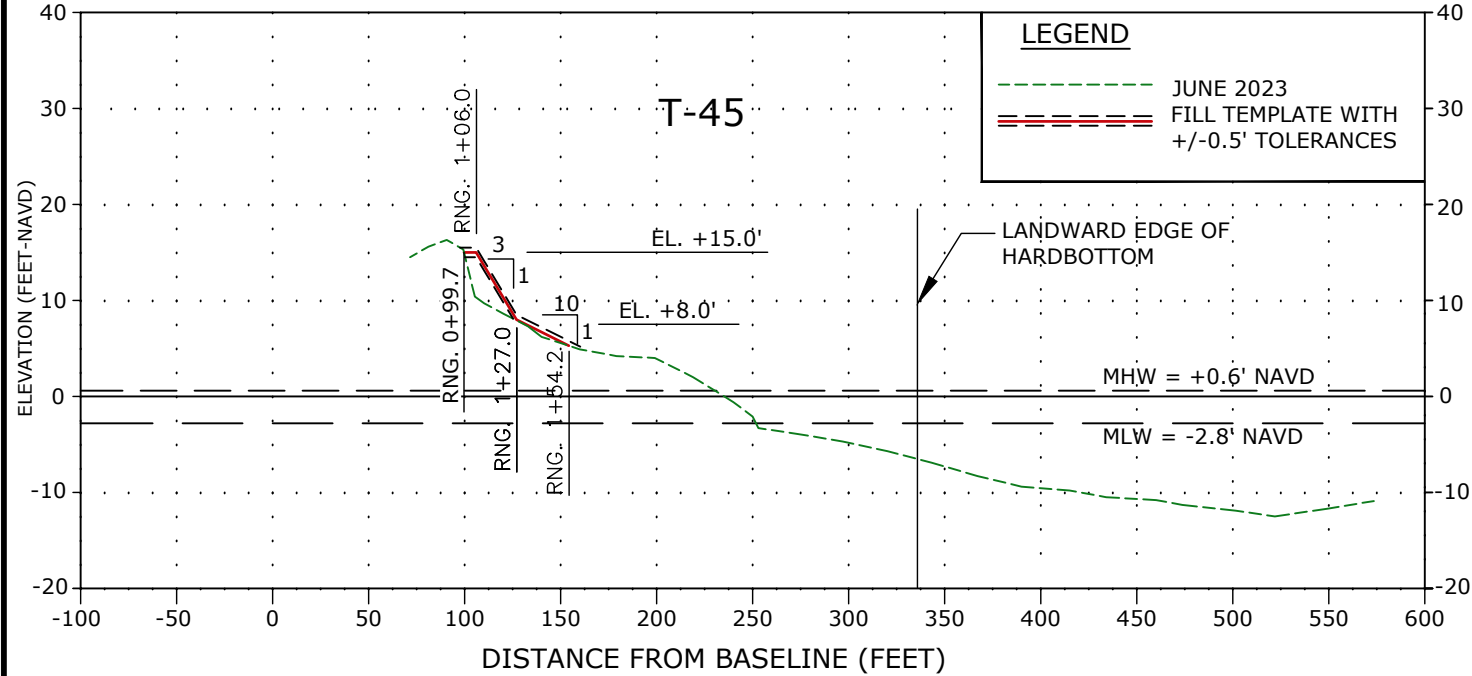
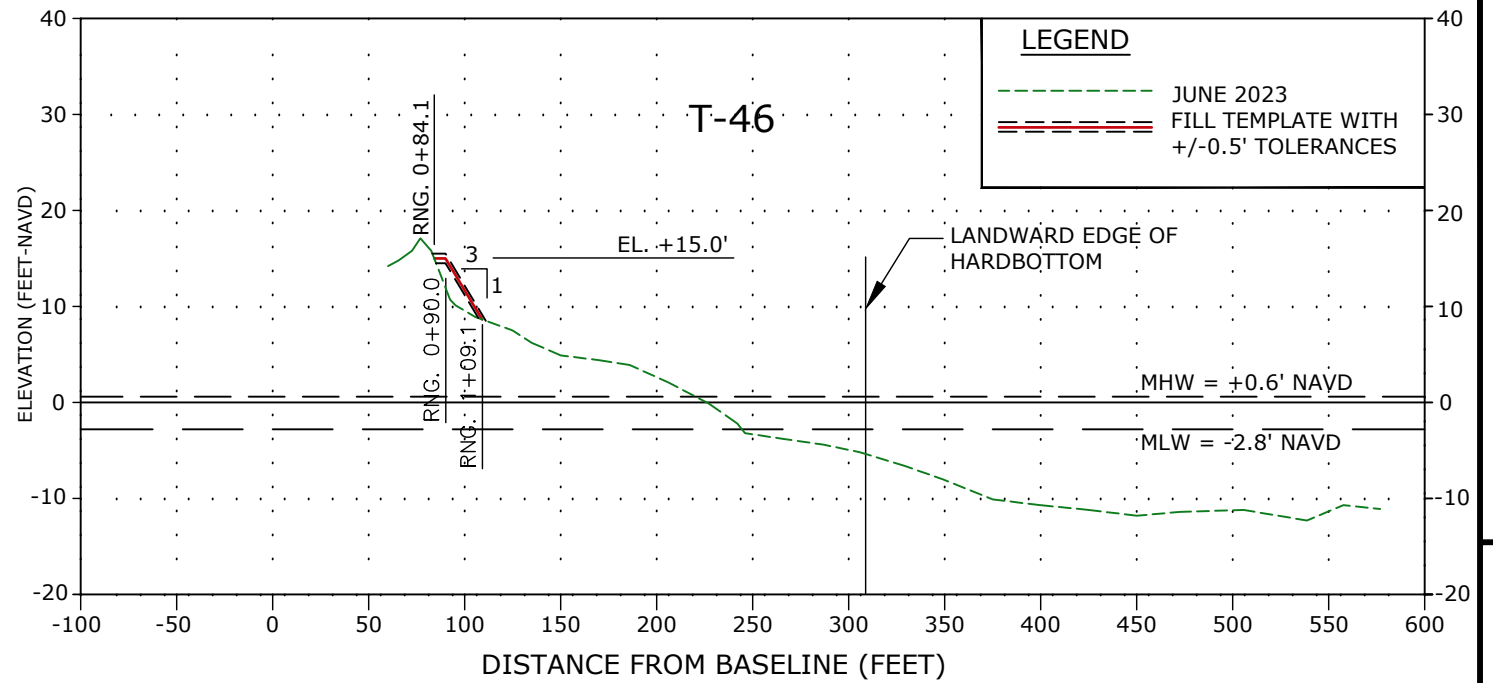
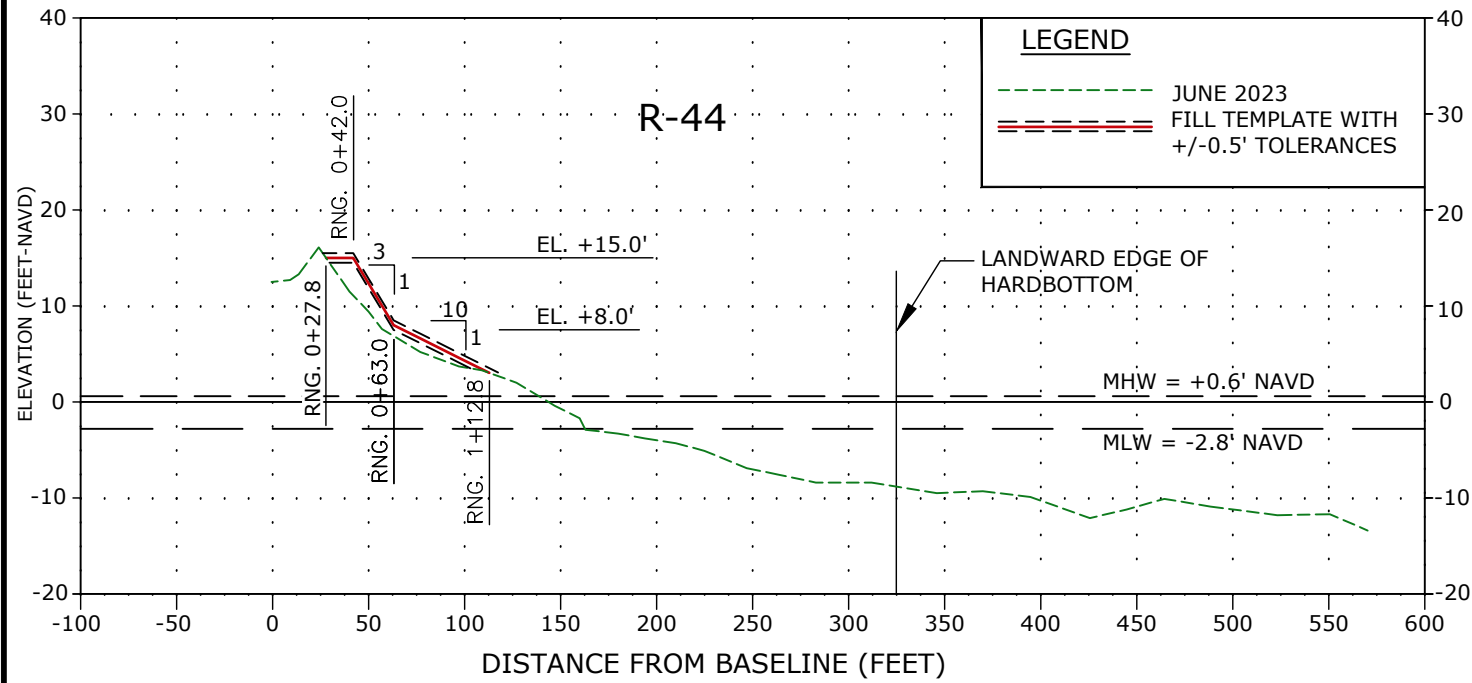
REVISIONS	No.	Date	Description

Designed by:	NS	Checked by:	NS
Drawn by:	JA	Reviewed by:	JA
Date:	08/18/23	Submitted by:	NS
Plot Scale:	AS NOTED	Comm. No.:	631033527

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 CROSS SECTIONS

DRAWING NO.
XS-6
 SHEET 35 OF 40

P:\Indian River\2023 - Sector 3 - Design and Permitting\INDIAN_RIVER\INDIAN_RIVER_CROSS_SECTIONS - Aug 24, 2023 @ 2:53pm - James Austin



NOTES:

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DATE

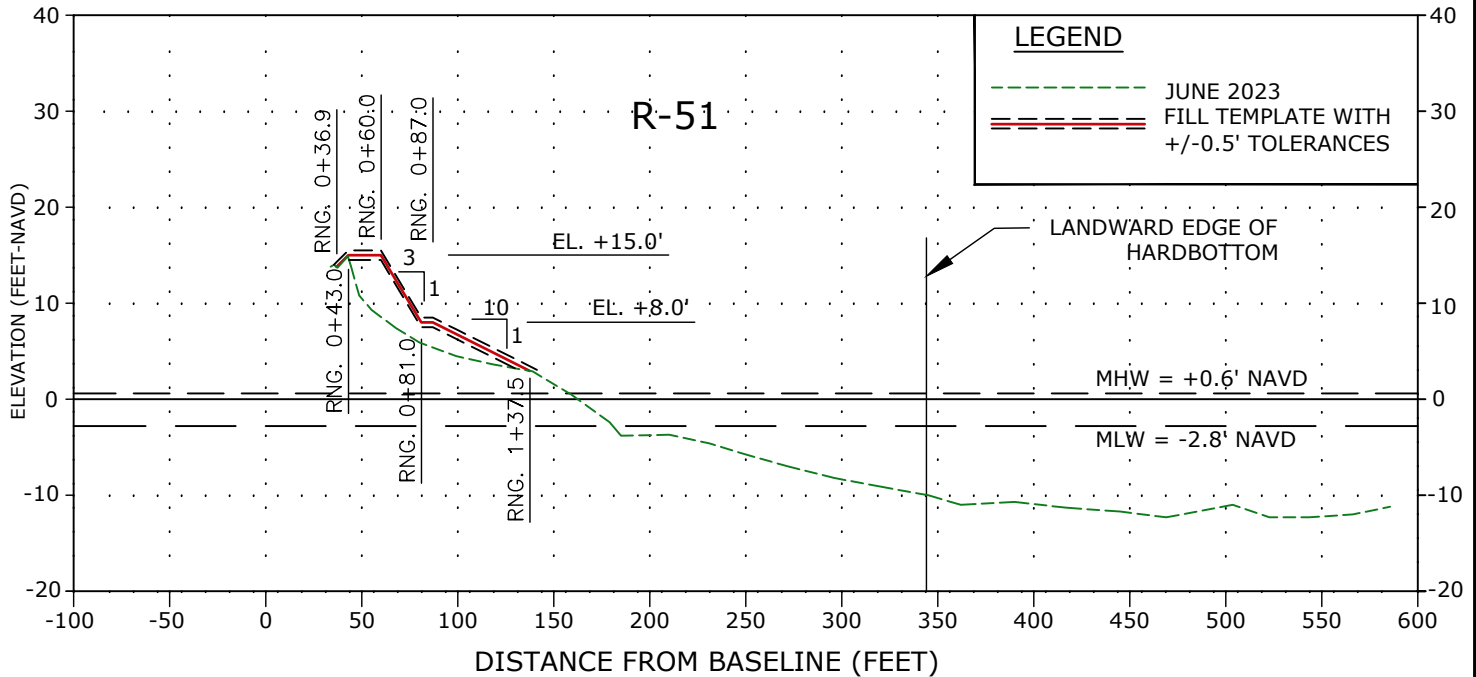
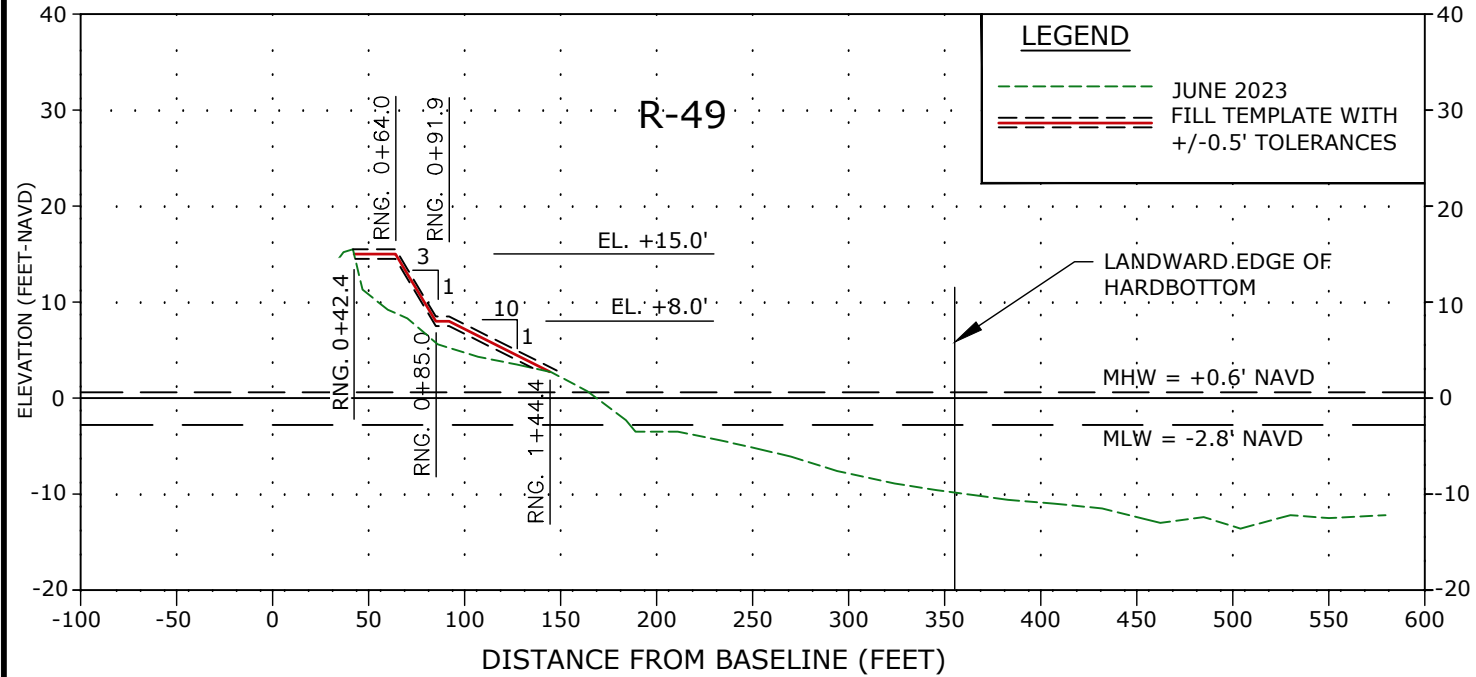
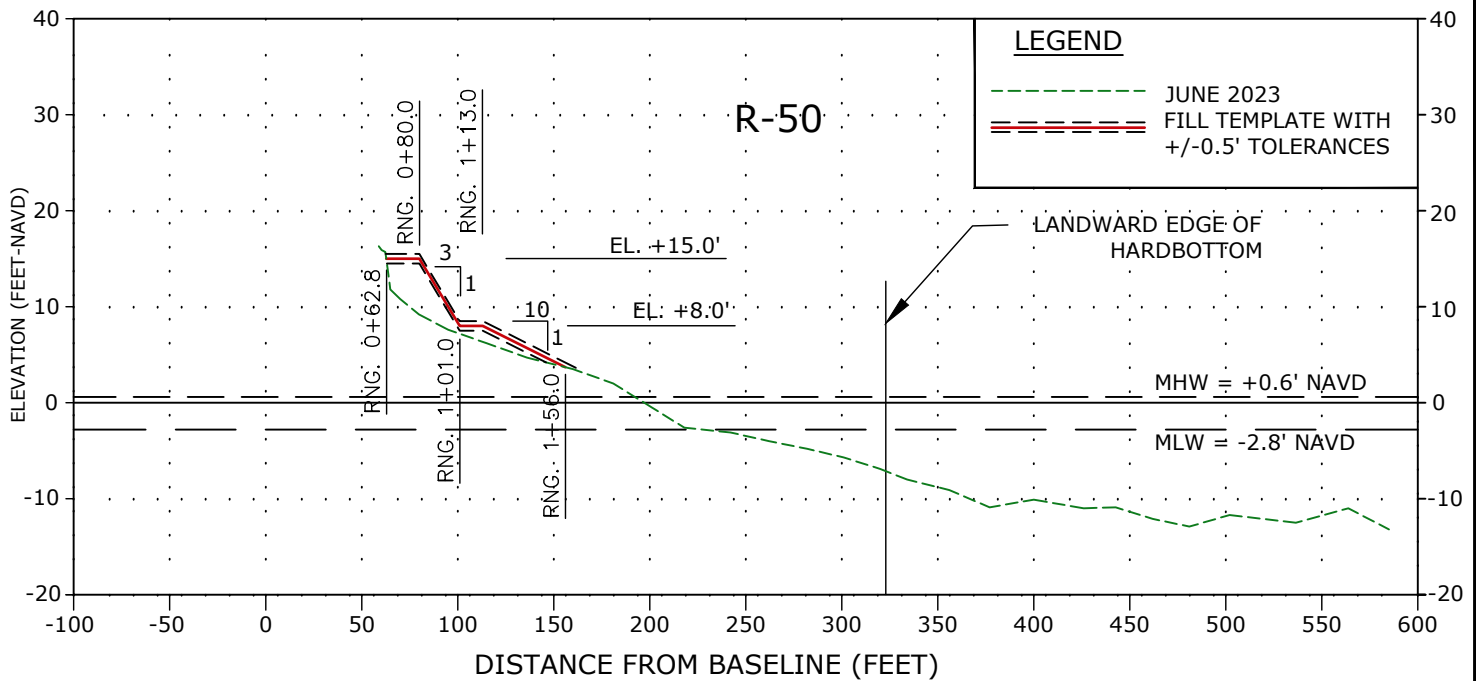
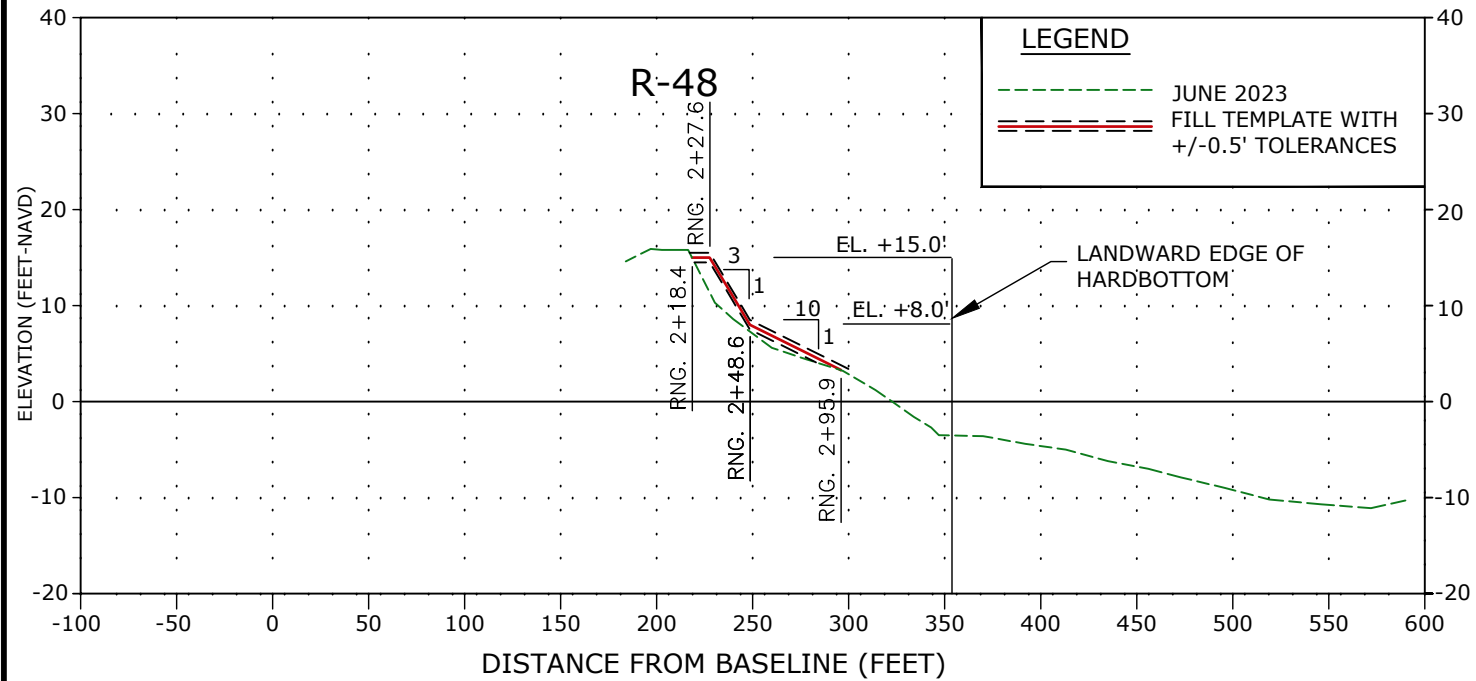
REVISIONS	No.	Date	Description

Designed by:	NS
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Drawn by:	JA
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Comm. No.:	631033527
AS NOTED	

SECTOR 3
HURRICANES IAN AND NICOLE REPAIR PROJECT
CONSTRUCTION PLANS
INDIAN RIVER COUNTY, FLORIDA
CROSS SECTIONS

DRAWING NO.

XS-7



NOTES:

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REVISIONS	No.	Date	Description

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Drawn by:	JA	Reviewed by:	JA
Date:	08/18/23	Submitted by:	NS
Proj. Scale:	AS NOTED	Comm. No.:	631033527

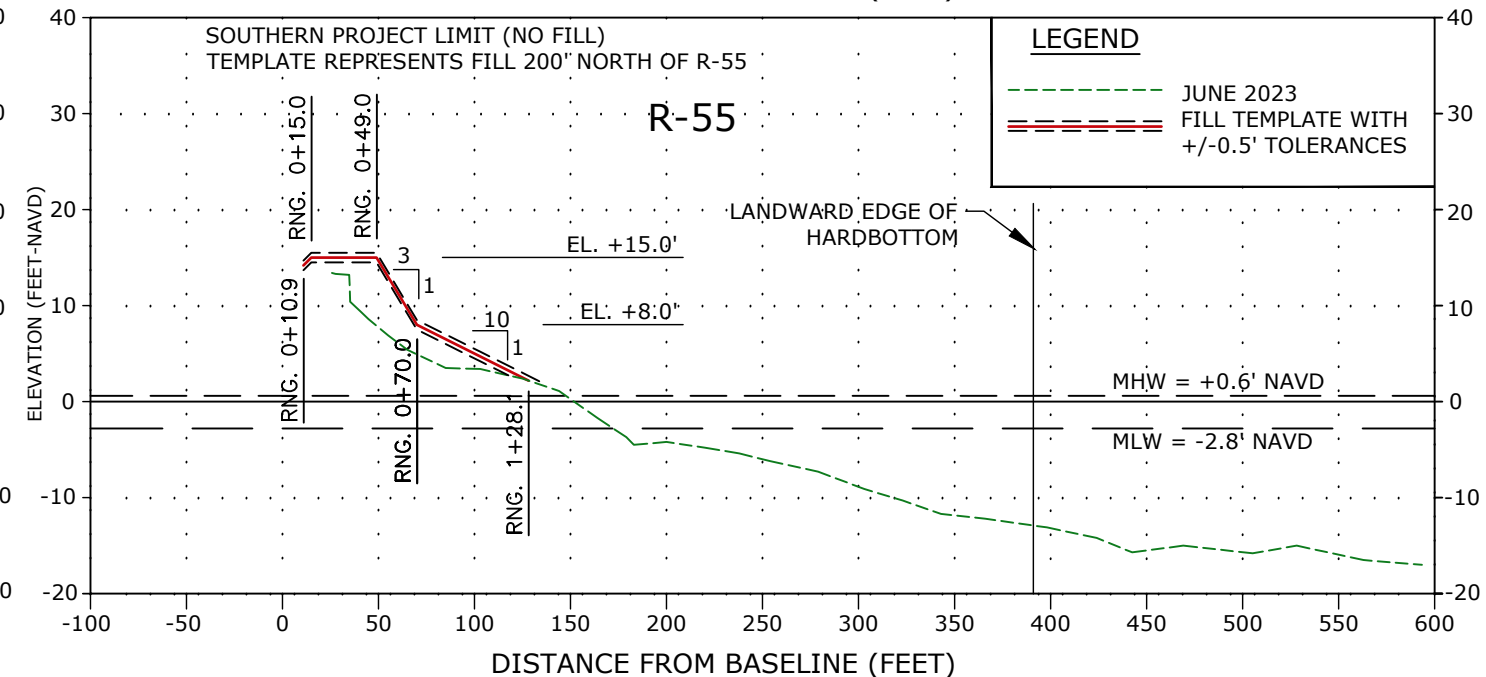
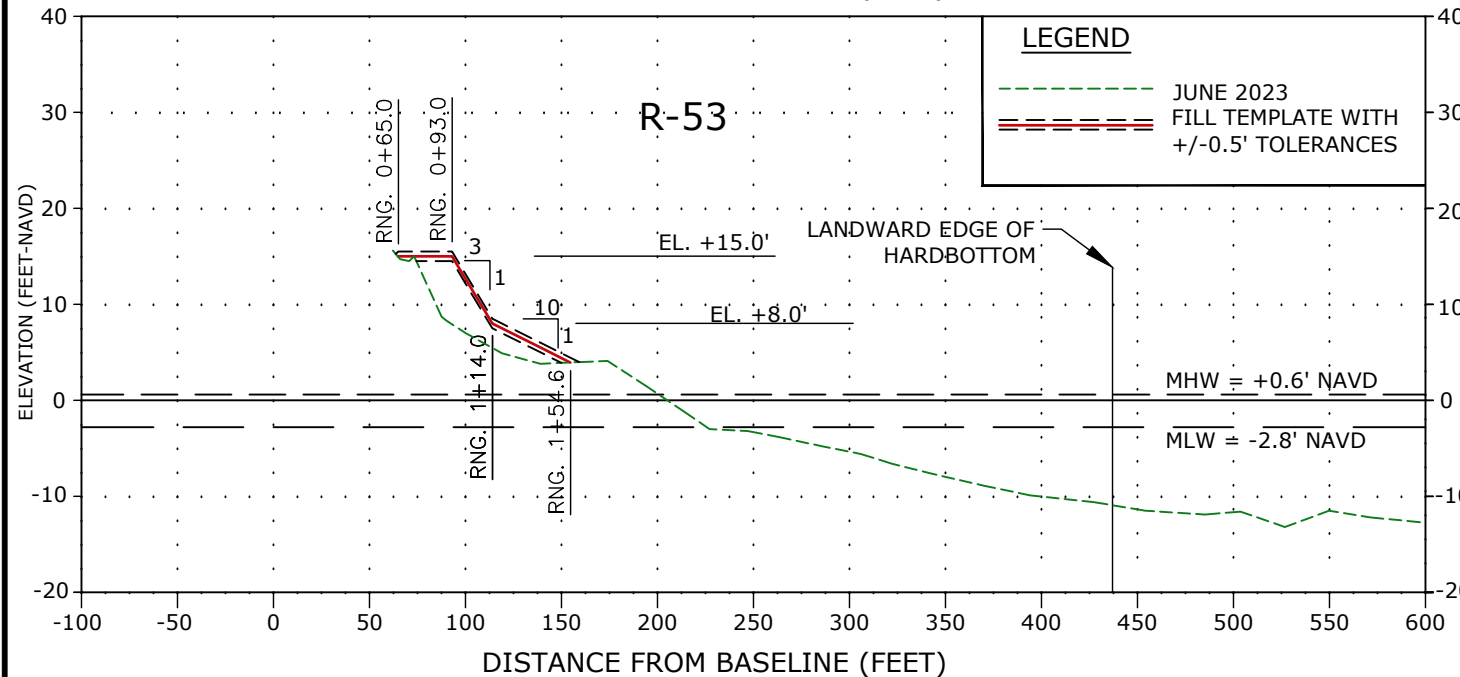
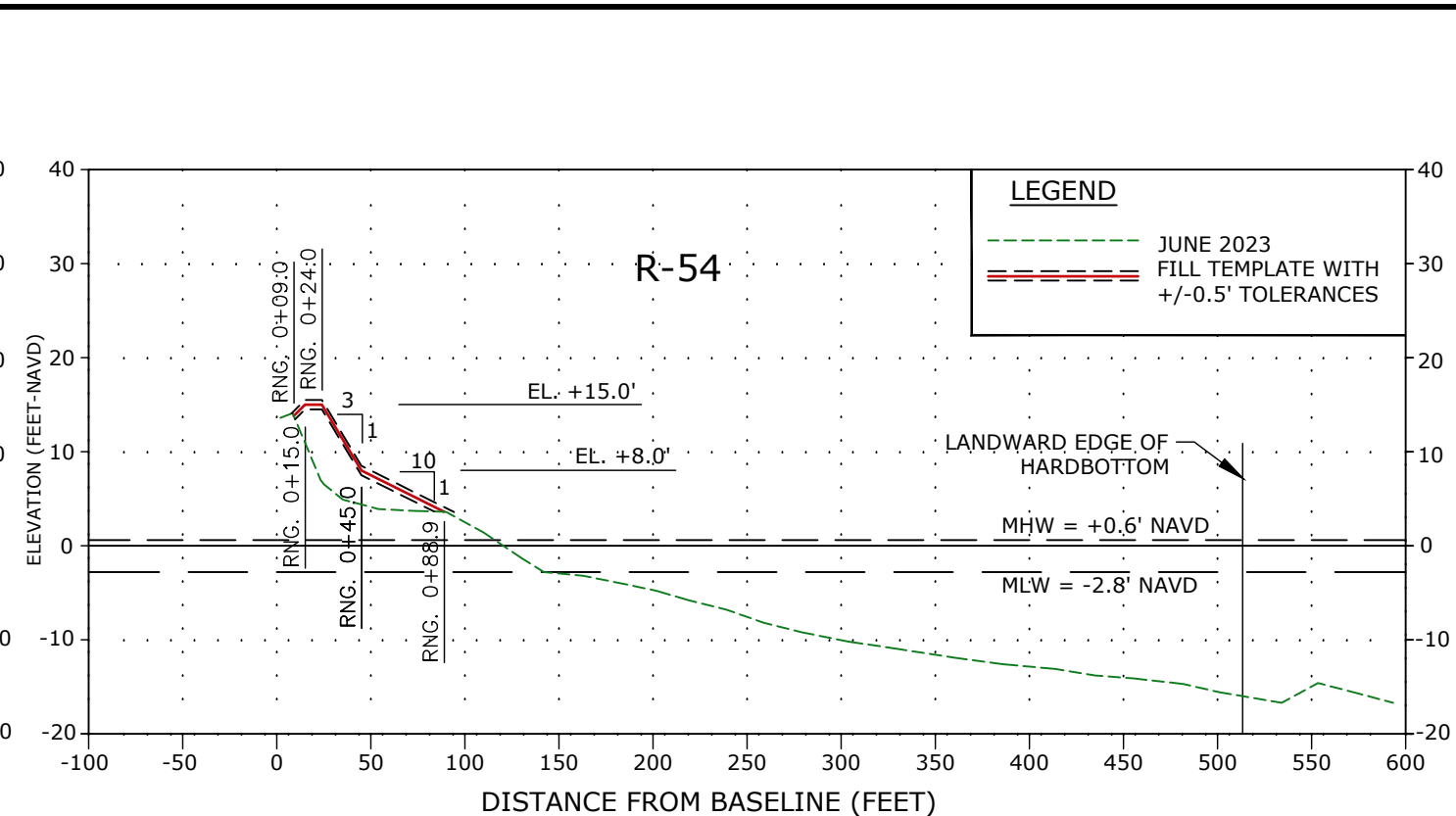
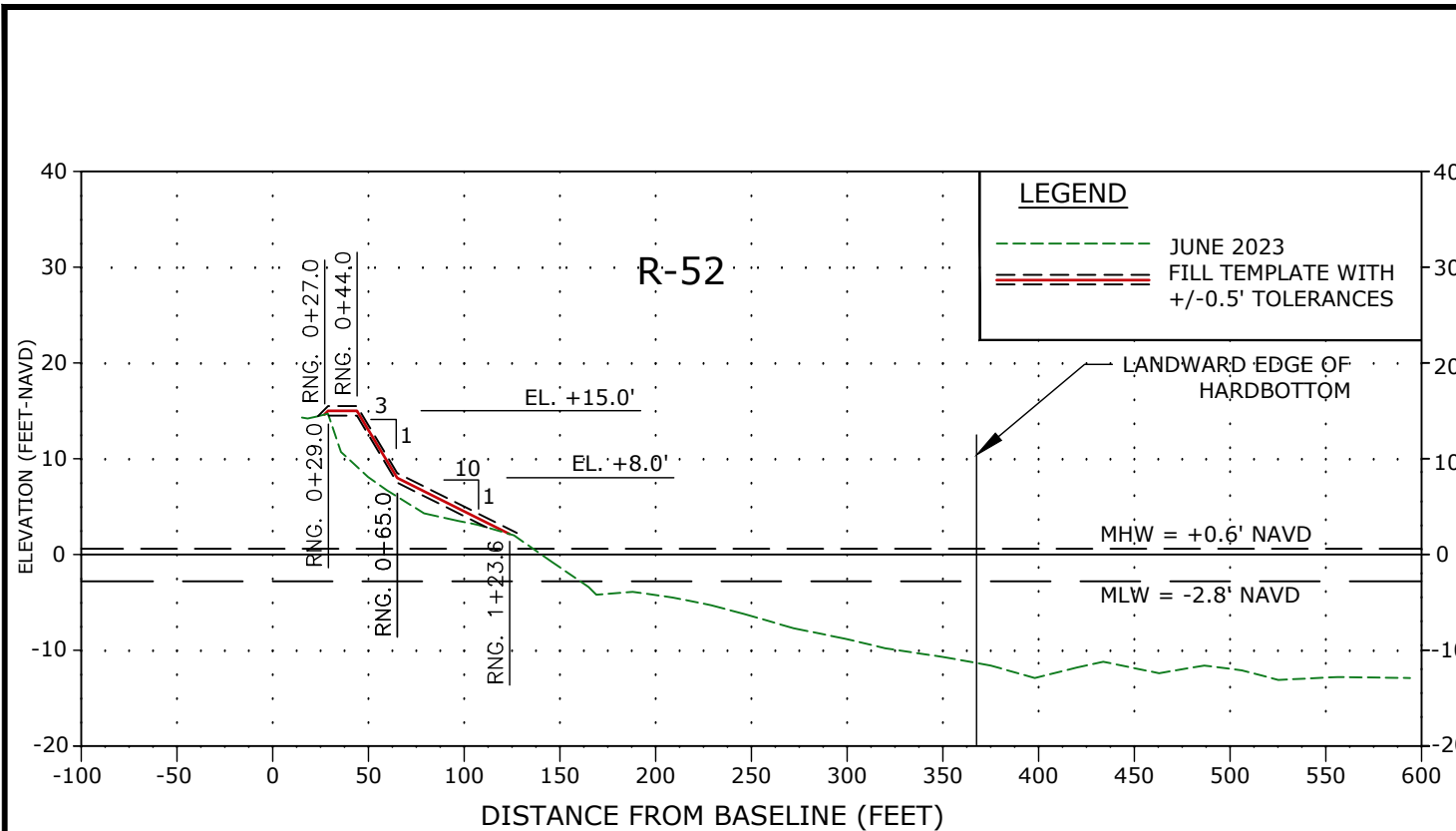
SECTOR 3
HURRICANES IAN AND NICOLE REPAIR PROJECT
CONSTRUCTION PLANS
INDIAN RIVER COUNTY, FLORIDA
CROSS SECTIONS

DRAWING NO.

XS-8

SHEET 37 OF 40

P:\Indian River\2023 - Sector 3 - Design and Permitting\032_00_03123714C_05.dwg - Aug 24, 2023 @ 2:53pm - James Austin



- NOTES:**
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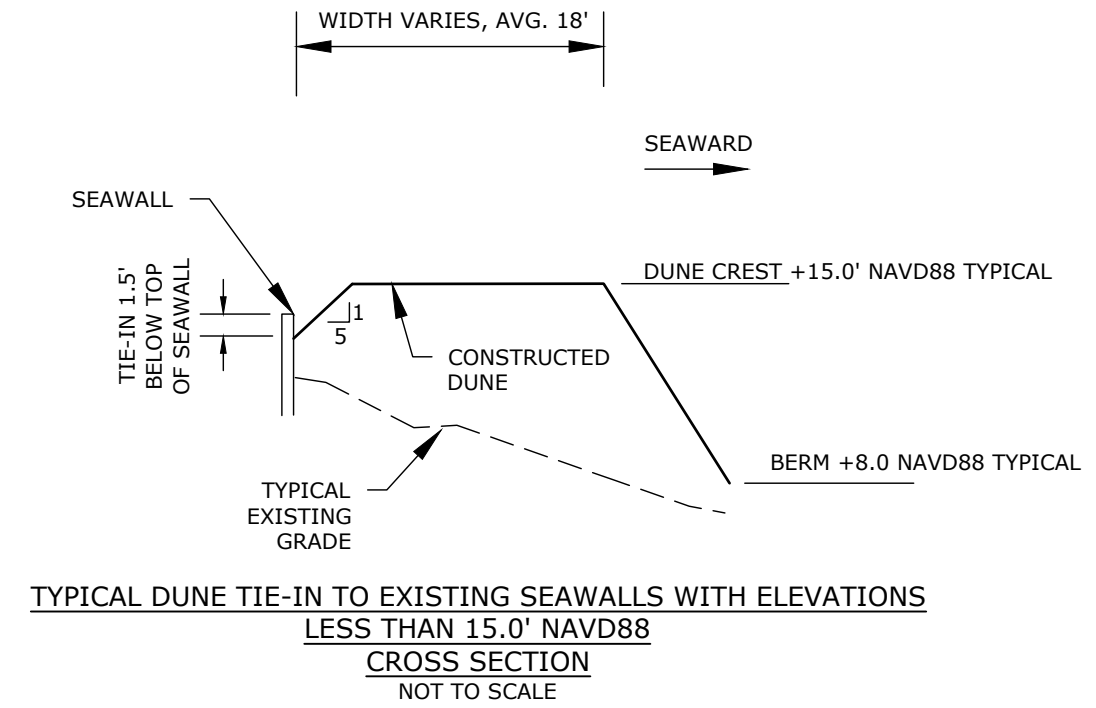
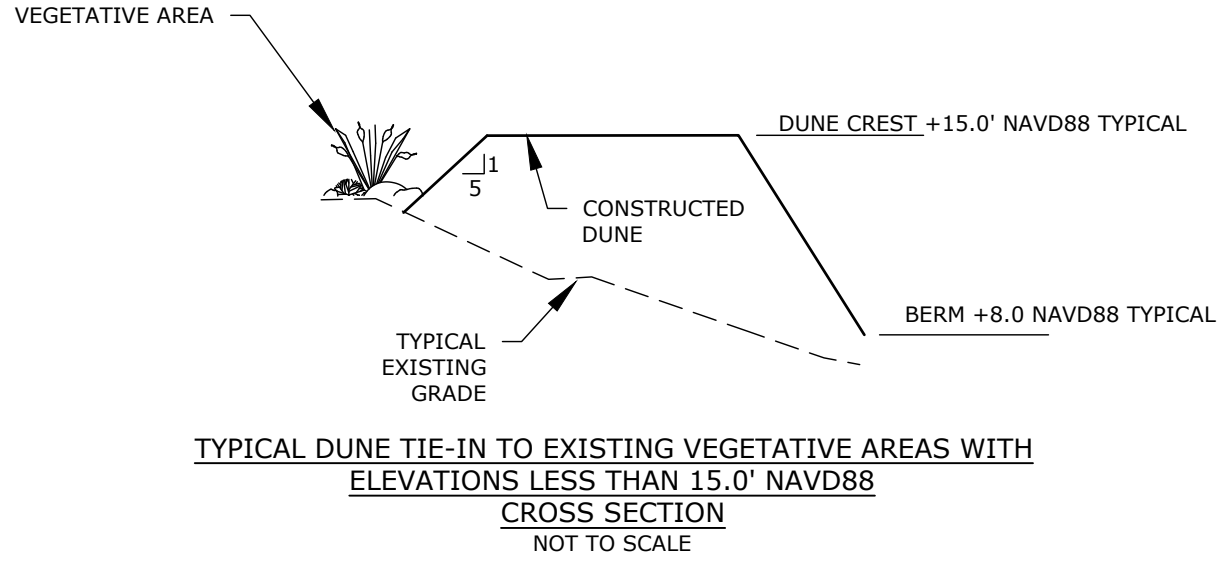
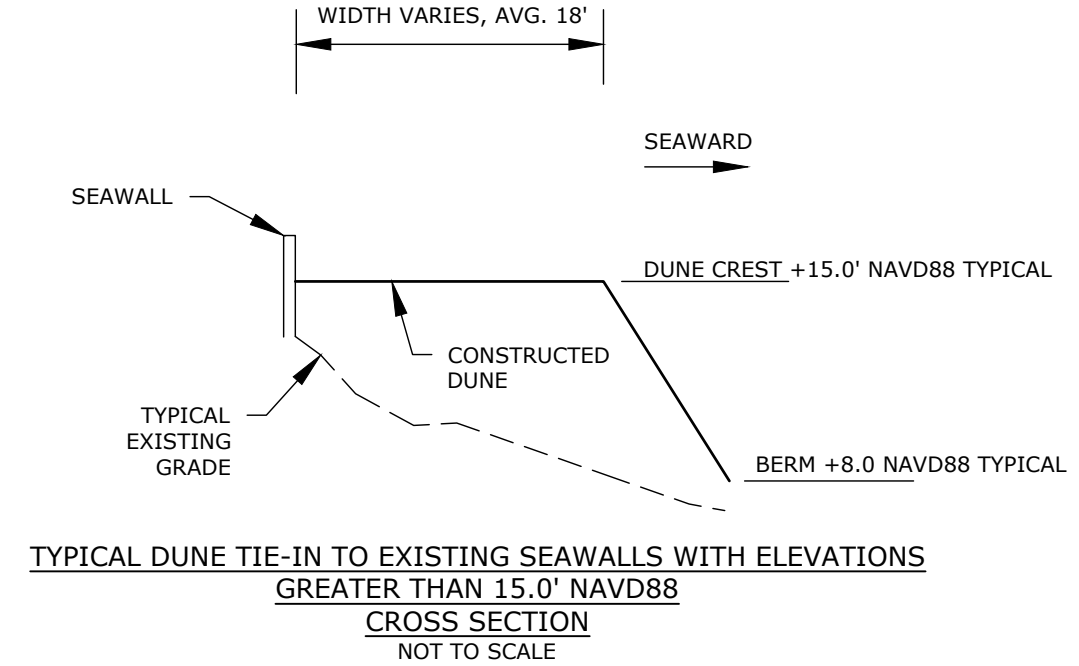
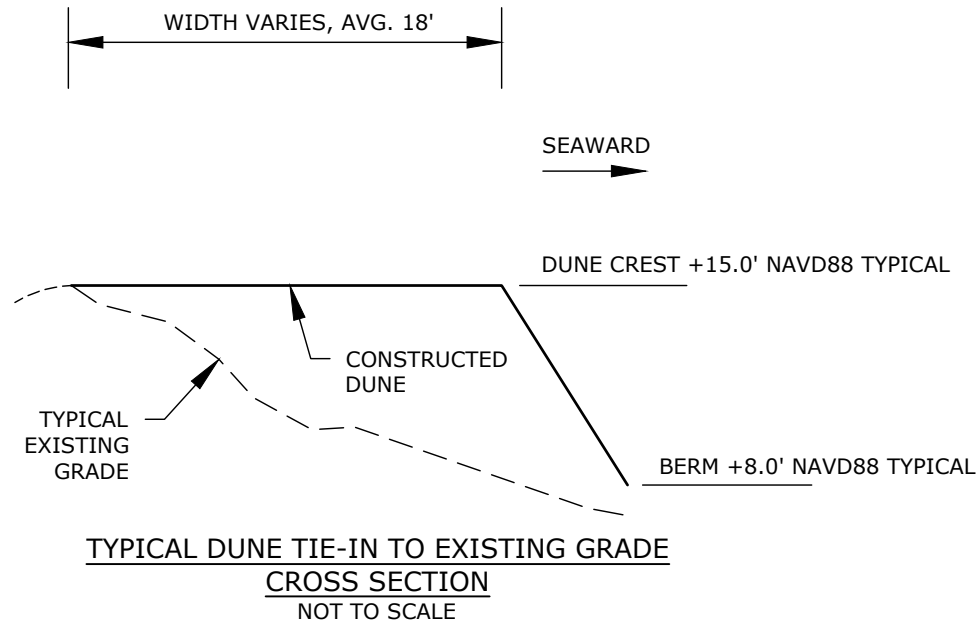
REVISIONS	No.	Date	Description

Checked by:	NS	Designed by:	NS
Reviewed by:	JA	Drawn by:	JA
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Comm. No.:	631033527	Plot Scale:	AS NOTED

SECTOR 3
HURRICANES IAN AND NICOLE REPAIR PROJECT
CONSTRUCTION PLANS
INDIAN RIVER COUNTY, FLORIDA
CROSS SECTIONS

DRAWING NO.

XS-9



NOTES:

1. SITE SPECIFIC FIELD ADJUSTMENTS TO THE CONSTRUCTION TEMPLATE MAY BE NECESSARY AT LOCATIONS SUCH AS SEAWALLS, OUTFALLS, BEACH ACCESS POINTS AND DUNE OVERWALKS.
2. DUNE CREST ELEVATION VARIES BETWEEN +11.0', +12.0', AND +15.0' NAVD88 DEPENDING ON LOCATION. REFER TO CROSS SECTIONS FOR DUNE CREST ELEVATIONS.
3. BERM CREST ELEVATION VARIES BETWEEN +7.0', +7.5', AND +8.0' NAVD88 DEPENDING ON LOCATION. REFER TO CROSS SECTIONS FOR BERM CREST ELEVATIONS.

CERTIFICATION:
I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

NICOLE S. SHARP, P.E. NO. 74708

DATE

APTIM ENVIRONMENTAL & INFRASTRUCTURE, LLC
PH. (561) 391-8102
FAX (561) 391-9116
C.O.A. FL. #9317

6401 CONGRESS AVENUE, SUITE 140
BOCA RATON, FLORIDA 33487
www.APTIM.com

REVISIONS	No.	Date	Description

Designed by:	NS	Checked by:	NS
Drawn by:	JA	Reviewed by:	JA
Date:	08/18/23	Submitted by:	NS
Plot Scale:	AS NOTED	Comm. No.:	631033527

Reference Files:

SECTOR 3
HURRICANES IAN AND NICOLE REPAIR PROJECT
CONSTRUCTION PLANS
INDIAN RIVER COUNTY, FLORIDA
TYPICAL SECTIONS

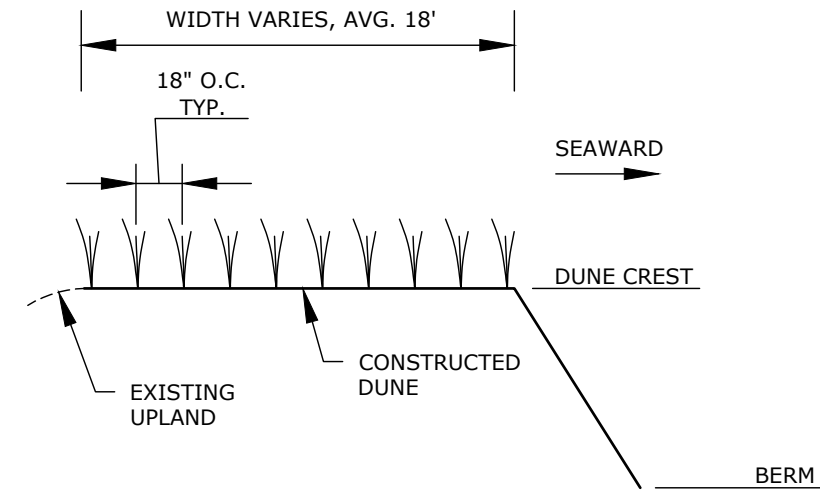
DRAWING NO.

D-1

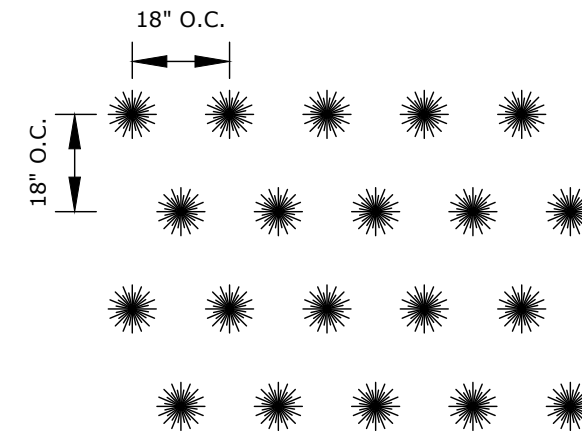
SHEET 39 OF 40

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PLANTING DETAIL					
PLANT TYPE	SCIENTIFIC NAME	PERCENT DISTRIBUTION	QUANTITY (APPROX.)	SIZE	SPACING
SEA OATS	UNIOLA PANICULATA	80% to 85%	173,948	LINER	18" O.C.
BITTER PANICGRASS	PANICUM AMARUM	10% TO 15%	21,744	LINER	18" O.C.
RAILROAD VINE	IPOMOEA PES-CAPRAE	4% TO 8% (RELATIVELY EQUAL ABUNDANCE OF EACH)	10,872	LINER	18" O.C.
DUNE SUNFLOWER	HELIANTHUS DEBILIS		10,872	LINER	18" O.C.



TYPICAL DUNE PLANTING
CROSS SECTION
NOT TO SCALE



TYPICAL DUNE PLANTING
STAGGERED LAYOUT
NOT TO SCALE

NOTES:

- CONTRACTOR SHALL FIELD LOCATE DUNE AREA PRIOR TO PLANTING. TEMPORARY STAKES DENOTING SEAWARD LIMITS SHALL BE PROVIDED. CONTRACTOR SHALL OBTAIN APPROVAL OF LOCATION FROM COUNTY OR ENGINEER PRIOR TO PLANTING.
- PLANTS SHALL BE INSTALLED FOLLOWING GOOD HORTICULTURE PRACTICES WITH A SLOW RELEASE FERTILIZER IN EACH HOLE.
- CONTRACTOR SHALL PROVIDE INITIAL WATERING. CONTRACTOR SHALL COORDINATE WITH COUNTY REGARDING USE OF LOCAL COUNTY SOURCES, OTHERWISE CONTRACTOR SHALL PROVIDE WATER. CONTRACTOR SHALL PROVIDE SUPPLEMENTAL WATERING AS NEEDED FOR 30 DAYS DEPENDING ON RAINFALL. AT END OF 30 DAYS, CONTRACTOR SHALL PROVIDE COUNTY WITH WRITTEN WATERING INSTRUCTIONS.
- CONTRACTOR SHALL WARRANTY PLANTS AT THE FOLLOWING SCHEDULE:

0-14 DAYS	100% SURVIVING
14-90 DAYS	80% SURVIVING
- CONTRACTOR SHALL MONITOR PLANTING MONTHLY FOR 3 MONTHS. AT THE END OF 3 MONTHS, A SUMMARY REPORT OF SURVIVAL AND RECOMMENDATION FOR MAINTENANCE SHALL BE PROVIDED TO COUNTY.
- ALL DUNE VEGETATION WORK SHALL BE IN COMPLIANCE WITH ALL FDEP PERMIT REQUIREMENTS.
- NO EXISTING VEGETATION TO BE REMOVED.
- THE ROOT BALL FOR BOTH GRASSES SPECIES SHALL BE NO LESS THAN 1" X 1" X 2.5" DEPTH. THE ROOT BALL FOR THE THREE GROUND COVER SPECIES SHALL BE NO LESS THAN 1.5" X 1.5" X 2.5" DEPTH.
- UNIOLA PANICULATA LINERS SHALL BE MULTI-STEMMED PLANTS (AT LEAST 2 STEMS). IPOMOEA PES-CAPRAE LINERS SHALL BE MULTI-STEMMED PLANTS (AT LEAST 2 STEMS). HELIANTHUS DEBILIS LINERS SHALL BE MULTI-STEMMED PLANTS (AT LEAST 2 STEMS). PANICUM AMARUM LINERS CAN BE SINGLE-STEMMED PLANTS. THE PLANT MATERIAL IN EACH LINER CONSTITUTES ONE DUNE GRASS PLANT, REGARDLESS OF THE NUMBER OF VIABLE STEMS IN THE LINER.
- THE LINERS FOR BOTH GRASSES SPECIES SHALL BE NO LESS THAN 12' TALL FROM THE TOP OF THE ROOT BALL TO THE TIP OF THE LONGEST LEAVE. THE LINERS FOR ALL THREE SPECIES OF GROUND COVERS SHALL BE NO LESS THAN 6" TALL FROM THE TOP OF THE ROOT BALL TO THE TIP OF THE LONGEST LEAVE.

CERTIFICATION:

I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

NICOLE S. SHARP, P.E. NO. 74708

DATE

REVISIONS	No.	Date	Description

SECTOR 3
 HURRICANES IAN AND NICOLE REPAIR PROJECT
 CONSTRUCTION PLANS
 INDIAN RIVER COUNTY, FLORIDA
 DUNE PLANTING DETAILS

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Monument			Distance (FT)	Volume (CY)
R-20	to	R-21	988	4,922
R-21	to	R-22	1,014	4,072
R-22	to	R-23	1,018	4,065
R-23	to	R-24	996	5,097
R-24	to	R-25	1,115	7,541
R-25	to	R-26	960	8,505
R-26	to	R-27	748	6,719
R-27	to	R-28	1,034	12,162
R-28	to	R-29	947	13,067
R-29	to	R-30	1,012	11,017
R-30	to	T-31	932	11,566
T-31	to	R-32	953	9,679
R-32	to	R-33	987	7,997
R-33	to	R-34	958	8,278
R-34	to	R-35	1,052	8,103
R-35	to	T-36	861	7,952
T-36	to	R-37	979	8,003
R-37	to	T-38	970	7,302
T-38	to	R-39	958	7,312
R-39	to	R-40	1,002	9,353
R-40	to	R-41	1,078	7,924
R-41	to	R-42	979	4,848
R-42	to	R-43	1,347	8,461
R-43	to	R-44	664	4,224
R-44	to	T-45	1,023	4,868
T-45	to	T-46	927	2,942
T-46	to	R-47	980	4,093
R-47	to	R-48	974	5,057
R-48	to	R-49	988	7,808
R-49	to	R-50	1,034	9,990
R-50	to	R-51	1,020	9,508
R-51	to	R-52	984	9,560
R-52	to	R-53	1,025	9,931
R-53	to	R-54	1,010	11,008
R-54	to	R-55	963	11,433
TOTAL			34,480	274,368

**NON-MANDATORY PRE-BID MEETING
SIGN-IN SHEET
INDIAN RIVER COUNTY – NATURAL RESOURCES
INDIAN RIVER COUNTY ADMINISTRATION BUILDING
Room A1-303 Building A
SECTOR 3 HURRICANES IAN & NICOLE BEACH REPAIR PROJECT
October 4, 2023 at 10:00 A.M.**

NAME	COMPANY & ADDRESS	PHONE # / FAX # / CELL #	EMAIL ADDRESS
Walter Crabtree	Vulcan Materials Company 10151 Deerwood Park Blvd, JAX Eastman	O: 904-355-1781 C: 407-466-1486	crabtree@vmcmail.com
Sean Kemnuit	3705 Bellevue Ave Lake Worth FL	954-328-0808	sean@eastmanagg.com
Nicole Sharp	APTIM 12401 Congress Ave Suite 140 Boca Raton FL	561-361-3150	nicole.sharp@aptim.com
James Austin	APTIM	904-252-7401	james.austin@aptim.com
Tim Clay	Phillips + Jordan, Inc.	Si: 904-545-3309	tclay@panelj.com
Melissa Heisenberg	IRC		
ERIC CHAREST	IRC		
Loren Ewert	Ranger construction	561-850-4669	Loren.Ewert@RangerConstruction.com
Aminda Stewart	Stewart Materials	772-971-6575	Aminda@Stewartmaterials.com
Diane Lystlund	IRC		dlystlund@indianriver.org

**NON-MANDATORY PRE-BID MEETING
SIGN-IN SHEET
INDIAN RIVER COUNTY – NATURAL RESOURCES
INDIAN RIVER COUNTY ADMINISTRATION BUILDING
Room A1-303 Building A
SECTOR 3 HURRICANES IAN & NICOLE BEACH REPAIR PROJECT
October 4, 2023 at 10:00 A.M.**

NAME	COMPANY & ADDRESS	PHONE # / FAX # / CELL #	EMAIL ADDRESS
Tony Contreras	Siboney Contracting	(561) 236-4612	TContreras@siboneycl.com
Michael B. Bryant	Dickerson	772-216-9814	MBryant@DFI-FL.COM
Ben Guettler	Guettler Bros. Const.	772-461-8345	ben@guettlerconstruction.com
Tommy King	Rio-Bak	561-718-8211	tommy@rio-bak.com