



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, JACKSONVILLE DISTRICT
JACKSONVILLE PERMITS SECTION
701 SAN MARCO BOULEVARD
JACKSONVILLE FLORIDA 32207-8137

February 4, 2025

South Atlantic Division
Regulatory Technical
Regional Execution Center
SAJ-2003-02679 (NWP-CAA)

Ashley Koza
Lee County
1500 Monroe St
Fort Myers, Florida 33901
Via Email: AKoza@leegov.com

Dear Ashley Koza:

This letter is in response to the Pre-Construction Notification (PCN) you submitted to the Jacksonville District, Fort Myers Permit Section on June 27, 2024 for a Department of the Army Nationwide permit (NWP) verification. This project has been assigned the file number SAJ-2003-02679 and is known as Lee Co BOCC / Matanzas Pass Pres. / Boardwalk & Docks Maint. Proj. / Lee. This file number should be referenced in all correspondence concerning this project.

A review of the information provided indicates that the proposed work would include the removal and replacement of 2,730 linear feet of 6' wide boardwalk. The proposed new boardwalk will be the same width and length as the original damaged boardwalk and have the same number of pilings.. The project/review area is located in Matanzas Pass; at 199 Bay Road, at Latitude 26.450660 and Longitude -81.937270; in Fort Myers Beach, Lee County, Florida.

We have determined that the proposed work is authorized by Nationwide Permit 3: Maintenance pursuant to authorities under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. § 403). The proposed work must be accomplished in strict accordance with the general permit conditions, any regional conditions, the special conditions listed in this letter, the application materials, and the enclosed plans. If the extent of the project area and/or nature of the authorized impacts to waters are modified, a revised PCN must be submitted to this office for written approval before work is initiated. Any violation of permit conditions or deviation from your submitted plans may subject the permittee to enforcement action.

This verification is valid until March 14, 2026, unless prior to this date the subject NWP(s) is suspended, revoked, or is modified such that the activity no longer complies with the terms and conditions of this NWP. If you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP. You can access the U.S. Army Corps of Engineers' (Corps) Jacksonville District's Regulatory Source Book webpage for links to view NWP information at:

<https://www.saj.usace.army.mil/Missions/Regulatory/Source-Book/>.

Please be aware this Internet address is case sensitive and should be entered as it appears above. Once there, you will need to select "Nationwide Permits." Among other things, this part of the Source Book contains links to the federal register containing the text of the pertinent NWP authorization and the associated NWP general conditions, as well as separate links to the regional conditions applicable to the pertinent NWP verification.

Project Specific Special Conditions:

The following project specific special conditions are included with this verification:

1. Reporting Address: The Permittee shall submit all reports, notifications, documentation, and correspondence required by the general and special conditions of this permit to either (not both) of the following addresses:

a. For electronic mail (preferred): SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).

b. For standard mail: U.S. Army Corps of Engineers, Regulatory Division, Enforcement Section, 701 San Marco Blvd, Jacksonville, FL 32207.

The Permittee shall reference this permit number, SAJ-2003-02679 (NWP-CAA), on all submittals.

2. Commencement Notification: Within 10 days from the date of initiating the work authorized by this permit the Permittee shall submit a completed "Commencement Notification" Form.

3. Self-Certification: Within 60 days of completion of the work authorized by this permit, the permittee shall complete the attached "Self-Certification Statement of Compliance" form and submit it to the Corps. In the event that the completed work deviates in any manner from the authorized work, the permittee shall describe the deviations between the work authorized by this permit and the work as constructed on the "Self-Certification Statement of Compliance" form. The description of any deviations on the "Self-Certification Statement of Compliance" form does not constitute approval of any deviations by the Corps.

4. Assurance of Navigation and Maintenance: The Permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structures or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the Permittee will be required, upon due notice from the U.S. Army Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

5. Cultural Resources/Historic Properties:

a. No structure or work shall adversely affect impact or disturb properties listed in the National Register of Historic Places (NRHP) or those eligible for inclusion in the NRHP.

b. If, during permitted activities, items that may have historic or archaeological origin are observed the Permittee shall immediately cease all activities adjacent to the discovery that may result in the destruction of these resources and shall prevent his/her employees from further removing, or otherwise damaging, such resources. The applicant shall notify both the Florida Department of State, Division of Historical Resources, Compliance Review Section at (850)-245-6333 and the Corps, of the observations within the same business day (8 hours). Examples of submerged historical, archaeological, or cultural resources include shipwrecks, shipwreck debris fields (such as steam engine parts, or wood planks and beams), anchors, ballast rock, concreted iron objects, concentrations of coal, prehistoric watercraft (such as log "dugouts"), and other evidence of human activity. The materials may be deeply buried in sediment, resting in shallow sediments or above them, or protruding into water. The Corps shall coordinate with the Florida State Historic Preservation Officer (SHPO) to assess the significance of the discovery and devise appropriate actions. Project activities shall not resume without verbal and/or written authorization from the Corps.

c. Additional cultural resources assessments may be required of the permit area in the case of unanticipated discoveries as referenced in accordance with the above Special Condition; and if deemed necessary by the SHPO, THPO(s), or Corps, in accordance with 36 CFR 800 or 33 CFR 325, Appendix C (5). Based, on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume on non- federal lands without written authorization from the SHPO for finds under his or her jurisdiction, and from the Corps.

d. In the unlikely event that unmarked human remains are identified on nonfederal lands; they will be treated in accordance with Section 872.05 Florida Statutes. All work and ground disturbing activities within a 100-meter diameter of the unmarked human remains shall immediately cease and the Permittee shall immediately notify the medical examiner, Corps, and State Archaeologist within the same business day (8-

hours). The Corps shall then notify the appropriate SHPO. Based on the circumstances of the discovery, equity to all parties, and considerations of the public interest, the Corps may modify, suspend, or revoke the permit in accordance with 33 CFR Part 325.7. Such activity shall not resume without written authorization from the SHPO and from the Corps.

6. Manatee Conditions: The Permittee shall comply with the attached “Standard Manatee Conditions for In-Water Work – 2011”. The most recent version of the Manatee Conditions must be utilized.

7. Turbidity Barriers: Prior to the initiation of any of the work authorized by this permit, the Permittee shall install floating turbidity barriers with weighted skirts that extend to within 1 foot of the bottom around all work areas that are in, or adjacent to, surface waters. The turbidity barriers shall remain in place and be maintained until the authorized work has been completed and all suspended and erodible materials have been stabilized. Turbidity barriers shall be removed upon stabilization of the work area.

8. Eastern Indigo Snake Protection Measures and Inspection: Permittee shall comply with U.S. Fish and Wildlife Service's “Standard Protection Measures for the Eastern Indigo Snake” dated March 23, 2021, as provided attached to this permit.

9. Jacksonville District Programmatic Biological Opinion (JAXBO): Structures and activities authorized under this permit will be constructed and operated in accordance with all applicable PDCs contained in the JAXBO, based on the permitted activity. Failure to comply with applicable PDCs will constitute noncompliance with this permit. In addition, failure to comply with the applicable PDCs, where a take of listed species occurs, would constitute an unauthorized take. The NMFS is the appropriate authority to determine compliance with the Endangered Species Act. The most current version of JAXBO can be accessed at the Jacksonville District Regulatory Division website in the Endangered Species section of the Sourcebook located at: <http://www.saj.usace.army.mil/Missions/Regulatory/SourceBook.aspx>.

JAXBO may be subject to revision at any time. The most recent version of the JAXBO must be utilized during the design and construction of the permitted work.

This letter of authorization does not include conditions that would prevent the ‘take’ of a state-listed fish or wildlife species. These species are protected under sec. 379.411, Florida Statutes, and listed under Rule 68A-27, Florida Administrative Code. With regard to fish and wildlife species designated as species of special concern or threatened by the State of Florida, you are responsible for coordinating directly with the Florida Fish and Wildlife Conservation Commission (FWC). You can visit the FWC license and permitting webpage (<http://www.myfwc.com/license/wildlife/>) for more information, including a list of those fish and wildlife species designated as species of special concern or threatened. The Florida Natural Areas Inventory

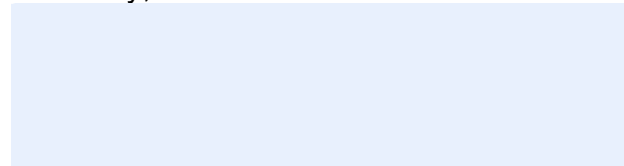
(<http://www.fnai.org/>) also maintains updated lists, by county, of documented occurrences of those species.

This letter of authorization does not give absolute Federal authority to perform the work as specified on your application. The proposed work may be subject to local building restrictions mandated by the National Flood Insurance Program. You should contact your local office that issues building permits to determine if your site is located in a flood-prone area, and if you must comply with the local building requirements mandated by the National Flood Insurance Program.

This NWP verification does not preclude the necessity to obtain any other Federal, State, or local permits, licenses, and/or certifications, which may be required.

If you have any questions related to this verification or have issues accessing documents referenced in this letter, please contact Alexi Archer, Project Manager of the Technical Regional Execution Center on behalf of the Fort Myers Permit Section at (912) 837-9860, by mail at the above address, or by email at Cristin.A.Archer@usace.army.mil. Please take a moment to complete our customer satisfaction survey located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>.

Sincerely,



Jason Sweeney
SAJ Team Lead
SAD Technical Regional Execution Center

Enclosures

Permit Drawings
Transfer Request
Commencement Notification
Self-Certification
Standard Manatee Conditions
Standard Protection Measures for the Eastern Indigo Snake
Appendix D: Best Management Practices (Florida Bonneted Bat Key)

Cc (w/enclosures)

Jordan Varble, Johnson Engineering, Inc (via jl@johnsoneng.com)

General Conditions (33 CFR PART 320-330):

1. The time limit for completing the work authorized ends on **March 14, 2026.**

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

4. If you sell the property associated with this permit you must obtain the signature of the new owner on the transfer form attached to this letter and forward a copy to this office to validate the transfer of this authorization.

5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit.

6. You must allow a representative from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

USACE PERMIT DRAWINGS



FOR
Lee County
Southwest Florida

MATANZAS PASS PRESERVE VARIOUS BOARDWALK REPAIRS

FEMA DI : 1291129

FEMA PROJECT # : 719532

SECTION 19, 20, TOWNSHIP 46 S., RANGE 24 E.

LATITUDE 26.450614°, LONGITUDE -81.936997°

LEE COUNTY, FLORIDA

INDEX OF PLANS

SHEET NO.	DESCRIPTION
C01	COVER
C02	GENERAL NOTES & ABBREVIATIONS
C03	AERIAL KEY MAP
C04 - C06	FLUCFCS AND PSS MAP
C07	SOILS MAP
C08	EROSION CONTROL PLAN
C09 - C17	SITE PLAN
C18	PLAN & PROFILE



LOCATION MAP

0 1000 2000 4000
 INTENDED DISPLAY SCALE:
 22"X34" PLAN 1"=2000'
 11"X17" PLAN 1"=4000'

AUGUST 2024

This item has been digitally signed and sealed by Jordan L. Varble, P.E., on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

OWNER

LEE COUNTY
 2115 SECOND ST
 FORT MYERS, FL 33901
 PHONE: (239) 533-2221
 FAX: (239) 485-2262

SITE ADDRESS

199 BAY RD,
 FORT MYERS BEACH, FL 33931

STRAP NUMBERS

19-46-24-W3-00024.0000
 19-46-24-W3-00201.0010
 20-46-24-W4-00003.0000

SIZE OF PARCEL

53.87 ACRES

ZONING

TOWN OF FORT MYERS BEACH

BOARD OF COUNTY COMMISSIONERS

KEVIN RUANE	DISTRICT 1
CECIL PENDERGRASS	DISTRICT 2
RAY SANDELLI	DISTRICT 3
BRIAN HAMMAN	DISTRICT 4
FRANK MANN	DISTRICT 5

COUNTY MANAGER

DAVE HARNER

ASSISTANT COUNTY MANAGER

PETER WINTON
 CHRISTINE BRADY
 GLEN SALTER
 MARC MORA
 ROBERT CODIE

FACILITIES CONSTRUCTION & MANAGEMENT

EHAB GUIRGUIS, P.E.



WEILER ENGINEERING CORP.
 201 WEST MARION AVENUE SUITE
 1306 PUNTA GORDA, FLORIDA 33950
 PHONE: (941) 505-1700
 FAX: (941) 505-1702



JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33901
 PHONE: (239) 334-0046
 E.B. #642 & L.B. #642

REGISTERED PROFESSIONAL ENGINEER
 FLORIDA LICENSE NO. 81414

JORDAN LEVI VARBLE, PE

DATE

PERMIT SET
NOT FOR CONSTRUCTION

SHEET NUMBER
C01

ABBREVIATIONS

AC	ACRE
ALT	ALTERNATE
APPROX.	APPROXIMATE
ASB	ASBESTOS
BM	BENCH MARK
BLDG	BUILDING
BOT	BOTTOM
CB	CATCH BASIN
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CV	CHECK VALVE
CF	CUBIC FOOT
CY	CUBIC YARD
CL	CENTER LINE
CLG	CAULKING
CLF	CHAIN LINK FENCE
COL	COLUMN COLOR
CONC	CONCRETE
CONC	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CTRS	CENTERS
CJ	COPPER
CU, IN.	CUBIC INCH
DIA., #	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIST.	DISTANCE
DIP	DUCTILE IRON PIPE
DE	DRAINAGE EASEMENT
DWG	DRAWING
E	EAST
EL/ELEV	ELEVATION
EQUIP	EQUIPMENT
ERCP	ELLIPITICAL REINFORCED CONCRETE PIPE
ESMT	EASEMENT
EX	EXISTING
FF	FINISHED FLOOR
PFE	FINISHED FLOOR ELEVATION
FM	FORCE MAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FIN	FINISH
FRP	FIBERGLASS REINFORCED PLASTIC
FT	FEET
G	NATURAL GAS
GC	GENERAL CONTRACTOR
GI	GALVANIZED IRON
GPM	GALLONS PER MINUTE
GV	GATE VALVE
GA	GAUGE
GAL	GALLON
GALV	GALVANIZED
GR	GRADE
HDPE	HIGH DENSITY POLYETHYLENE
HOR	HORIZONTAL
HYD	HYDRANT
ID	INSIDE DIAMETER
IDD	IONA DRAINAGE DISTRICT
INV	INVERT
IRR	IRRIGATION
LAE	LAKE ACCESS EASEMENT
LOCUE	LEE COUNTY UTILITY EASEMENT
LF	LINEAL FEET
LME	LAKE MAINTENANCE EASEMENT
LMT	LAKE MAINTENANCE TRACT
MOD	MILLION GALLONS PER DAY
MH	MANHOLE
MJ	MECHANICAL JOINT
MAX	MAXIMUM
MECH	MECHANICAL
MES	MITERED END SECTION
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
N	NORTH
NE	NORTHEAST
NW	NORTHWEST
NPW	NON POTABLE WATER
NTS	NOT TO SCALE
NUM/#	NUMBER
NOM	NOMINAL
NG	NATURAL GAS
OC	ON CENTERS
OCEW	ON CENTER EACH WAY
OD	OUTSIDE DIAMETER
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PV	PLUG VALVE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE
POLY, PE	POLYETHYLENE
PAVT	PAVEMENT
PC	POINT OF CURVATURE
PGL	PROPOSED GRADE LINE
P	PROPERTY LINE
PLBG	PLYWOOD
PLWD	POTABLE WATER
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVI	POINT OF VERTICAL INTERSECTION
QUAN	QUANTITY
R	RADIUS
RD	ROAD
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
ROW	RIGHT OF WAY
RU	REUSE LINE
R/W	RIGHT OF WAY
S	SOUTH
SE	SOUTHEAST
SW	SOUTHWEST
SS	SANITARY SEWER
SAN	SANITARY
SCH	SCHEDULE
SECT	SECTION
SEW	SEWER
SH	SHEET
SPEC	SPECIFICATION
SQ	SQUARE
ST	STREET
STA	STATION
STL	STEEL
STD	STANDARD
SUR	SURFACE
SYM	SYMMETRICAL
TOE	TOE OF SLOPE
TOB	TOP OF BANK
THK	THICK
TEL	TELEPHONE
TEMP	TEMPERATURE
TRANS	TRANSFORMER
TYP	TYPICAL
UE	UTILITY EASEMENT
VERT	VERTICAL
W	WATER
WM	WATER MAIN
W/	WITH
W/O	WITHOUT
WD	WOOD
WT	WEIGHT
WV	WATER VALVE
WH	WALL HYDRANT

SYMBOLS

	GATE VALVE		IRRIGATION SERVICE (DOUBLE)
	TEE ASSEMBLY		IRRIGATION SERVICE (SINGLE)
	REDUCER		SEWER SERVICE (DOUBLE)
	BLOW OFF		SEWER SERVICE (SINGLE)
	FIRE HYDRANT		WATER SERVICE (DOUBLE)
	FIRE HYDRANT ASSEMBLY W/ GATE VALVE		WATER SERVICE (SINGLE)
	MITERED END SECTION		HEADWALL
	MANHOLE W/ NUMBER		DRAINAGE INLET (SEE PLAN FOR TYPES)
	PLUG VALVE		THROAT INLET
			FLARED END SECTION

HATCH PATTERNS

	WETLAND		EXISTING LAKE TO BE FILLED
	UPLAND BUFFER		PROPOSED LAKE
	UPLAND PRESERVE		LITTORAL SHELF AREA
	INDIGENOUS AREA		COMPENSATING LITTORAL PLANTING AREA
	NATURAL AREA		RIPRAP / GRAVEL
	FILTER MARSH		BRICK PAVERS
	EXISTING LAKE		

NOTE:
HATCH PATTERNS ARE FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL HATCH PATTERNS ON DRAWING MAY VARY IN SCALE & ANGLE

LINETYPES

	EXISTING	PROPOSED
RIGHT-OF-WAY LINE	---	---
CENTER LINE	---	---
LAKE MAINTENANCE EASEMENT	---	---
PUBLIC UTILITY EASEMENT	---	---
DRAINAGE EASEMENT	---	---
WETLAND BOUNDARY	---	---
FORCE MAIN	---	---
SANITARY SEWER	---	---
WATER MAIN	---	---
IRRIGATION MAIN	---	---
RE-USE MAIN	---	---
PERIMETER BERM	---	---
FENCE LINE	---	---
SILT FENCE	---	---
BULKHEAD	---	---
STRUCTURAL BUFFER	---	---

GENERAL NOTES:

- ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
- THE GENERAL NOTES MUST BE PART OF THIS ENTIRE DOCUMENT PACKAGE AND ARE PART OF THE CONTRACT DOCUMENTS. THE GENERAL NOTES ARE REFERENCED HEREIN AND MUST BE REFERRED TO BY THE CONTRACTOR. THE CONTRACTOR MUST BE FAMILIAR WITH AND ACKNOWLEDGE FAMILIARITY WITH ALL THE GENERAL NOTES AND ALL OF THE PLANS SPECIFICATION NOTES.
- CONTRACTOR MUST VERIFY ALL DIMENSIONS INCLUDED WITHIN THE PLAN SET AND SHOULD NOT SCALE OFF THE DRAWINGS DUE TO POTENTIAL PRINTING INACCURACIES. ALL DIMENSIONS ARE TO BE CHECKED AND CONFIRMED BY THE GENERAL CONTRACTOR PRIOR TO PREPARATION OF SHOP DRAWINGS, FABRICATION/ORDERING OF PARTS AND MATERIALS AND START OF SITE WORK.
- JOHNSON ENGINEERING, INC. IS NOT RESPONSIBLE FOR AND HAVE NO CONTRACTUAL LEGAL OR OTHER RESPONSIBILITIES FOR JOB SITE SAFETY, JOB SITE SUPERVISION, OR ANYTHING RELATED TO THE SAME. JOHNSON ENGINEERING, INC. IS NOT RESPONSIBLE TO IDENTIFY OR REPORT ANY JOB SITE SAFETY ISSUES OR ANY JOB SITE CONDITIONS, AT ANY TIME.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS (LATEST EDITION), LEE COUNTY DEVELOPMENT STANDARDS AND SPECIFICATIONS AND LEE COUNTY UTILITIES REQUIREMENTS.

SITE DEMOLITION:

- ANY SITE DEMOLITION IS BASED ON AVAILABLE INFORMATION PROVIDED TO ENGINEER AND MAY NOT COVER ALL ASPECTS OF THE PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COVER ALL EXISTING INFRASTRUCTURE TO BE REMOVED IN THEIR DEMOLITION BUDGET.

EXISTING UTILITY NOTE:

- CONTRACTOR TO CONTACT "SUNSHINE 811" FOR LOCATES TWO BUSINESS DAYS BEFORE YOU DIG, 1-800-432-4770. STATE, COUNTIES, AND CITIES ARE NOT PART OF THE ONE CALL SYSTEM, THEY MUST BE CALLED INDIVIDUALLY.

ACCESSIBILITY DESIGN GUIDELINES:

- ALL ACCESSIBLE (A.K.A. ADA) COMPONENTS AND ACCESSIBLE ROUTES MUST BE CONSTRUCTED TO MEET, AT A MINIMUM THE MOST STRINGENT OF: (A) THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) CODE (42 U.S.C. § 12101 ET SEQ. AND 42 U.S.C. § 4151 ET SEQ.), AND (B) ANY APPLICABLE LOCAL AND STATE GUIDELINES, AND ANY AND ALL AMENDMENTS TO BOTH, WHICH ARE IN EFFECT AT THE TIME OF CONSTRUCTION.

- CONTRACTOR SHALL RETAIN, ON THE WORK SITE, COPIES OF ANY PERMITS NECESSARY FOR CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED TREE REMOVAL PERMITS.
- THE SITE CONTRACTOR SHALL BECOME FAMILIAR WITH THE GEOTECHNICAL REPORT IF ONE WAS PREPARED. THE CONTRACTOR SHALL COMPLY WITH ALL THE SITE PREPARATION AND OTHER SITE RELATED ITEMS, RECOMMENDATIONS AND PROCEDURES.
- CONTRACTOR TO VERIFY ENGINEER'S BUILDING FOOTPRINT SIZE MATCHES ARCHITECTS BUILDING SIZE BEFORE BEGINNING CONSTRUCTION.
- CONTRACTOR ACKNOWLEDGES THAT CONSTRUCTION SITE IS WITHIN A PUBLIC USE AREA AND SHALL MAINTAIN A SAFE AND SECURE WORK AREA.
- CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER AND OWNER WRITTEN APPROVAL FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
- EXISTING OFF-SITE DRAINAGE PATTERNS SHALL BE MAINTAINED DURING CONSTRUCTION.
- ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE OWNER/ENGINEER WITHOUT DELAY.
- THE LOCATION OF EXISTING UTILITIES, PAVEMENT, VEGETATION, AND MISCELLANEOUS IMPROVEMENTS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR.
- CONTRACTOR SHALL NOTIFY THE LEE COUNTY DIVISION OF DEVELOPMENT REVIEW A MINIMUM OF 72 HOURS PRIOR TO ALL REQUIRED INSPECTIONS.
- CONTRACTOR TO PROVIDE SILT FENCE AND OTHER APPROPRIATE MEASURES TO AFFECT THE FILTRATION OF SURFACE WATER FLOWS AND TO PROVIDE EROSION PROTECTION DURING CONSTRUCTION ACTIVITIES. PROTECTION IS TO BE MAINTAINED DURING THE CONSTRUCTION PERIOD UNTIL DISTURBED SOILS HAVE BEEN STABILIZED WITH VEGETATION OR SUITABLE EROSION PROTECTION TREATMENT.
- DURING CONSTRUCTION, GRATE INLET AND JUNCTION BOX OPENINGS SHALL BE COVERED WITH FILTER FABRIC (MIRAFI 140N OR APPROVED EQUAL) TO PREVENT DEBRIS AND FILL FROM FALLING INTO THE INLET.
- CONTRACTOR SHALL USE DESIGNATED CONSTRUCTION ENTRANCES FOR EMPLOYEES AND DELIVERY OF MATERIALS.
- ALL CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE IN ACCORDANCE WITH APPLICABLE REGULATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE SITE IS CLEAN ONCE CONSTRUCTION IS FINISHED.
- CONTRACTOR SHALL PROMPTLY REPORT ALL FIELD CHANGES TO THE ENGINEER.
- THE CONTRACTOR SHALL ACCURATELY PLOT THE LOCATIONS AND DEPTHS OF ALL IMPROVEMENTS INSTALLED ON A FINAL SET OF RECORDED DRAWINGS WHICH SHALL BE DELIVERED TO THE ENGINEER.
- CONTRACTOR SHALL INCORPORATE BEST MANAGEMENT PRACTICES TO PREVENT CONSTRUCTION DEBRIS, DUST, AND OTHER MATERIALS FROM LEAVING THE IMMEDIATE WORK AREA AND ENTERING LOCAL WATERS. THIS INCLUDES TURBIDITY CONTROLS AND MONITORING FOR IN-WATER WORK AND OTHER LAND-DISTURBING ACTIVITIES. TURBIDITY CONTROLS AND MONITORING SHALL BE IN ACCORDANCE WITH PROJECT PERMITS.
- ALL PILES SHALL ACHIEVE EMBEDMENT AS SHOWN IN PLANS.
- CONSTRUCTION OF BOARDWALK DESIGN MAY REQUIRE MINOR GRADING BY CONTRACTOR TO ACHIEVE DESIRED GRADES. CONTRACTOR MUST RECEIVE WRITTEN APPROVAL FROM ENGINEER PRIOR TO GRADING COMMENCEMENT.
- UNLESS OTHERWISE NOTED, PILES SHALL BE INSTALLED IN THE SAME LOCATIONS AS PREVIOUS PILES TO MINIMIZE ENVIRONMENTAL IMPACT.
- REMOVAL OF VEGETATION SHALL ONLY BE ALLOWED WITHIN BOARDWALK LIMITS. REMOVAL OF VEGETATION OUTSIDE BOARDWALK LIMITS SHALL REQUIRE PRIOR APPROVAL FROM COUNTY OR ENGINEER.
- ALL CONSTRUCTION MATERIALS SHALL BE PER PLAN DETAILS.
- ALL PILES SHALL BE CUT OFF BELOW DECK. WATERPROOF PILE TOPS WITH DENSO 35 TAPE.
- BEVEL TOP EDGE OF STANCHIONS, RAILS, AND DECKING TO REMOVE SHARP EDGES AND SPLINTERS.
- CONTRACTOR SHALL ENSURE RAILING IS FREE OF BURRS AND SHARP EDGES.

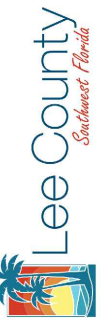
JOHNSON ENGINEERING

JOHNSON ENGINEERING, INC.
2122 JOHNSON STREET
FORT MYERS, FLORIDA 33901
PHONE: (239) 334-0046
E.B. #642 & L.B. #642



WEILER ENGINEERING CORP.
201 WEST MARION AVENUE SUITE
1306 PUNTA GORDA, FLORIDA 33950
PHONE: (941) 505-1700
FAX: (941) 505-1702

JORDAN LEVI VARBLE, PE
FL License No. 81414



MATANZAS PASS
PRESERVE VARIOUS
BOARDWALK REPAIRS
LEE COUNTY, FLORIDA

NO.	DESCRIPTION	DATE

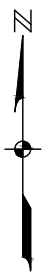
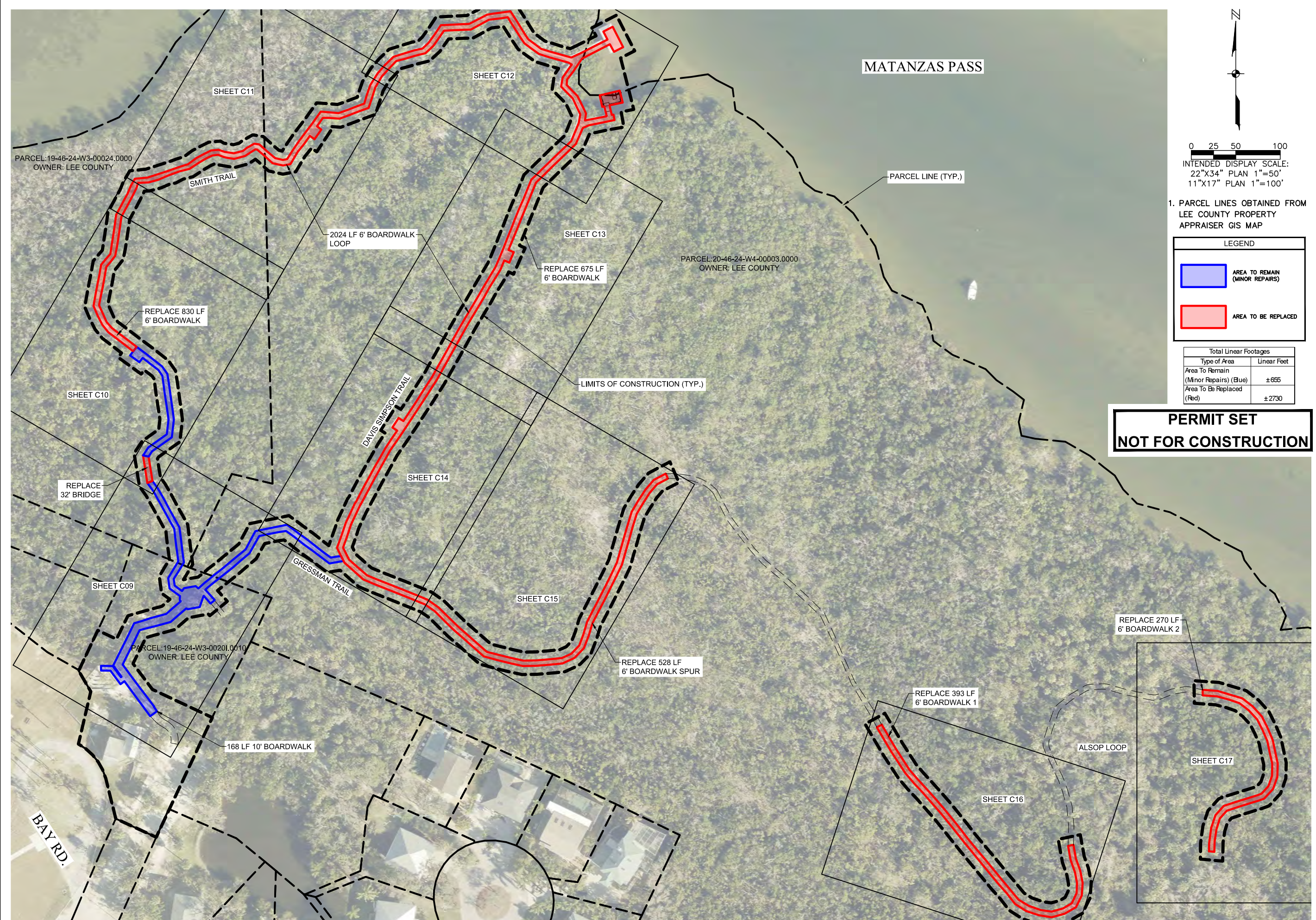
DATE: AUGUST 2024
PROJECT NO. 20236180-000
FILE NO. 19, 20-46-24
SCALE: AS SHOWN

GENERAL NOTES & ABBREVIATIONS

SHEET NUMBER

C02

**PERMIT SET
NOT FOR CONSTRUCTION**



0 25 50 100
 INTENDED DISPLAY SCALE:
 22"x34" PLAN 1"=50'
 11"x17" PLAN 1"=100'

1. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP

LEGEND

■	AREA TO REMAIN (MINOR REPAIRS)
■	AREA TO BE REPLACED

Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730

**PERMIT SET
 NOT FOR CONSTRUCTION**

NO.	DATE	DESCRIPTION

DATE: AUGUST 2024
 PROJECT NO. 20236180-000
 FILE NO. 19_20-46-24
 SCALE: AS SHOWN

AERIAL KEY MAP

SHEET NUMBER



C03

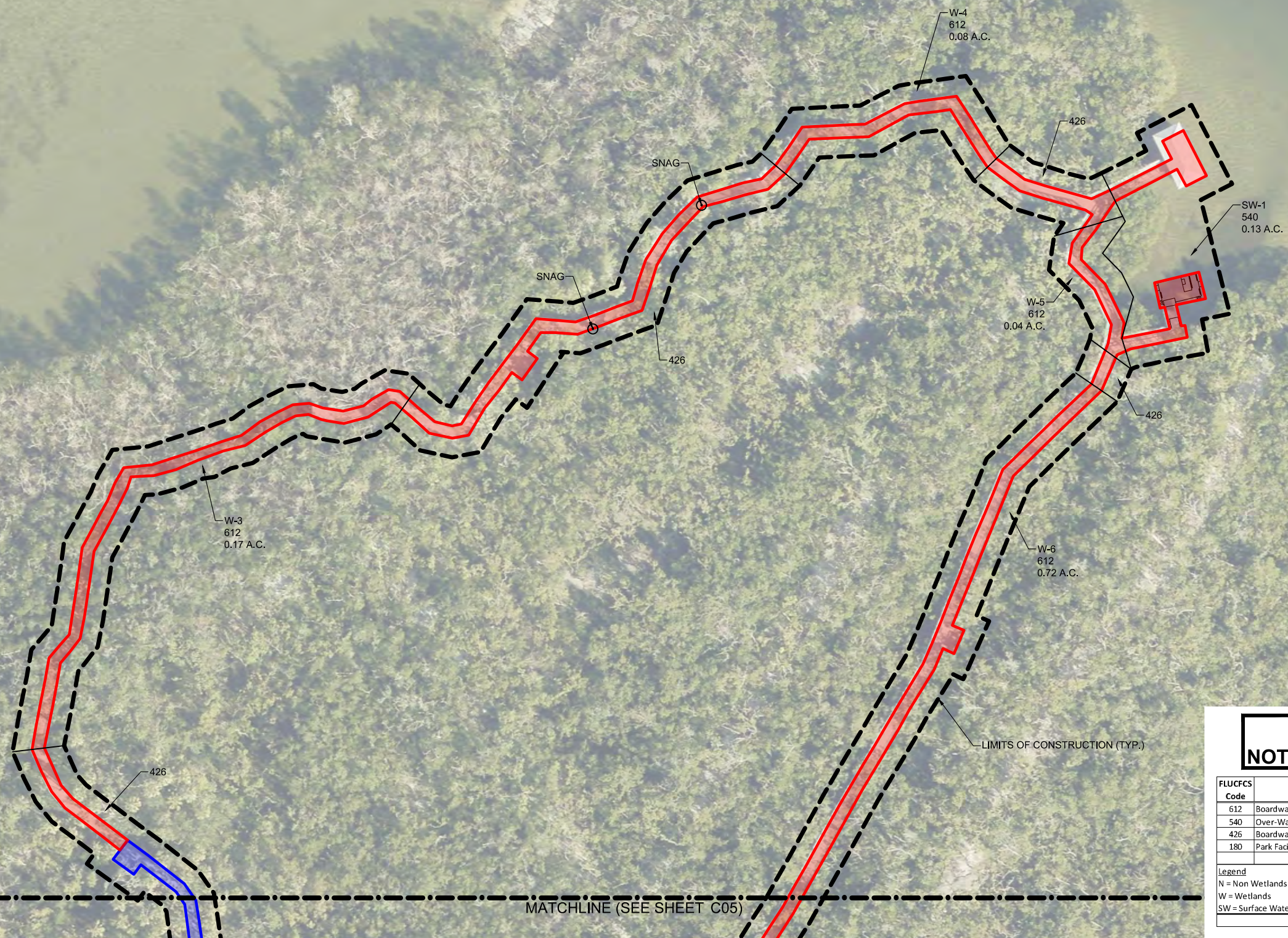
MATANZAS PASS



0 15 30 60
 INTENDED DISPLAY SCALE:
 22"X34" PLAN 1"=30'
 11"X17" PLAN 1"=60'

1. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP
2. FLUCFCS INFORMATION FROM FDEP ERP NO. 0142992-003 EI.
3. NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED



PERMIT SET
NOT FOR CONSTRUCTION

FLUCFCS Code	Description	Status	Area in Acres
612	Boardwalk in Mangrove Swamp	W	1.38
540	Over-Water Structures	SW	0.13
426	Boardwalk in Tropical Hardwoods	N	0.70
180	Park Facilities / Parking	N	0.31
			Total Site 2.52
Legend			Total N 1.01
N = Non Wetlands			Total W 1.38
W = Wetlands			Total SW 0.13
SW = Surface Waters			Total Site 2.52

NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
 PROJECT NO. 20236180-000
 FILE NO. 19, 20-46-24
 SCALE: AS SHOWN

FLUCFCS AND PSS
 MAP

SHEET NUMBER

C04

MATCHLINE (SEE SHEET C04)



0 15 30 60
 INTENDED DISPLAY SCALE:
 22"x34" PLAN 1"=30'
 11"x17" PLAN 1"=60'

1. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP
2. FLUCFCS INFORMATION FROM FDEP ERP NO. 0142992-003 EI.
3. NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED

W-2
612
0.02 A.C.

426

W-6
612
0.72 A.C.

W-1
612
0.02 A.C.

426

180

LIMITS OF CONSTRUCTION (TYP.)

**PERMIT SET
NOT FOR CONSTRUCTION**

FLUCFCS Code	Description	Status	Area in Acres
612	Boardwalk in Mangrove Swamp	W	1.38
540	Over-Water Structures	SW	0.13
426	Boardwalk in Tropical Hardwoods	N	0.70
180	Park Facilities / Parking	N	0.31
			Total Site 2.52
Legend			
N = Non Wetlands			Total N 1.01
W = Wetlands			Total W 1.38
SW = Surface Waters			Total SW 0.13
			Total Site 2.52

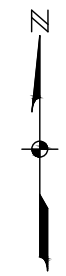
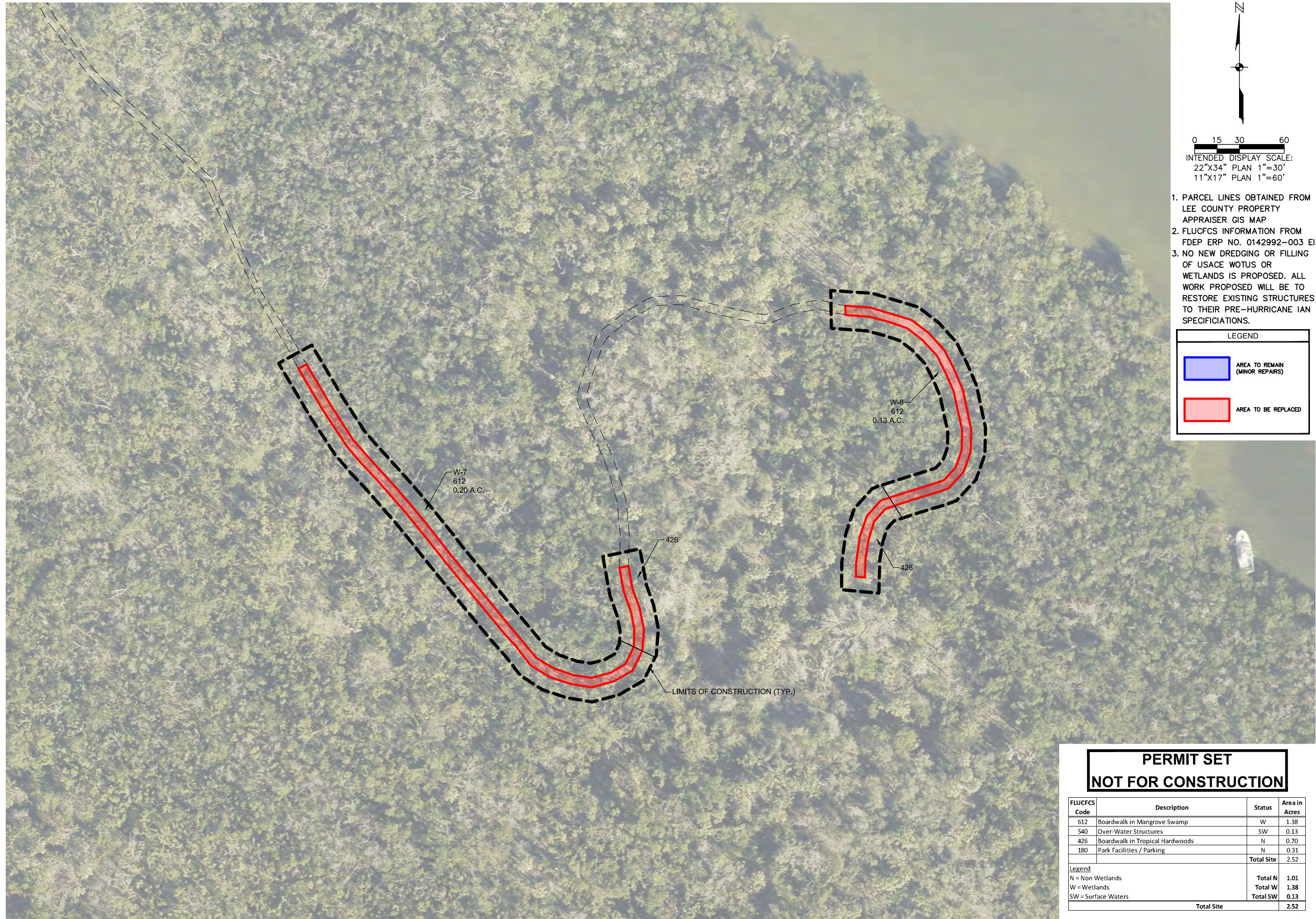
NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
 PROJECT NO. 20236180-000
 FILE NO. 19, 20-46-24
 SCALE: AS SHOWN

FLUCFCS AND PSS MAP



SHEET NUMBER

C05



0 15 30 60
 INTENDED DISPLAY SCALE:
 22"x34" PLAN 1"=30'
 11"x17" PLAN 1"=60'

1. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP
2. FLUCFCS INFORMATION FROM FDEP ERP NO. 0142992-003 EI.
3. NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED

**PERMIT SET
 NOT FOR CONSTRUCTION**

FLUCFCS Code	Description	Status	Area in Acres
612	Boardwalk in Mangrove Swamp	W	1.38
540	Over-Water Structures	SW	0.13
426	Boardwalk in Tropical Hardwoods	N	0.70
180	Park Facilities / Parking	N	0.31
			Total Site 2.52
Legend			
N = Non Wetlands			Total N 1.01
W = Wetlands			Total W 1.38
SW = Surface Waters			Total SW 0.13
			Total Site 2.52

NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
 PROJECT NO. 20236180-000
 FILE NO. 19, 20-46-24
 SCALE: AS SHOWN



NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
PROJECT NO. 20236180-000
FILE NO. 19, 20-46-24
SCALE: AS SHOWN

SOILS MAP

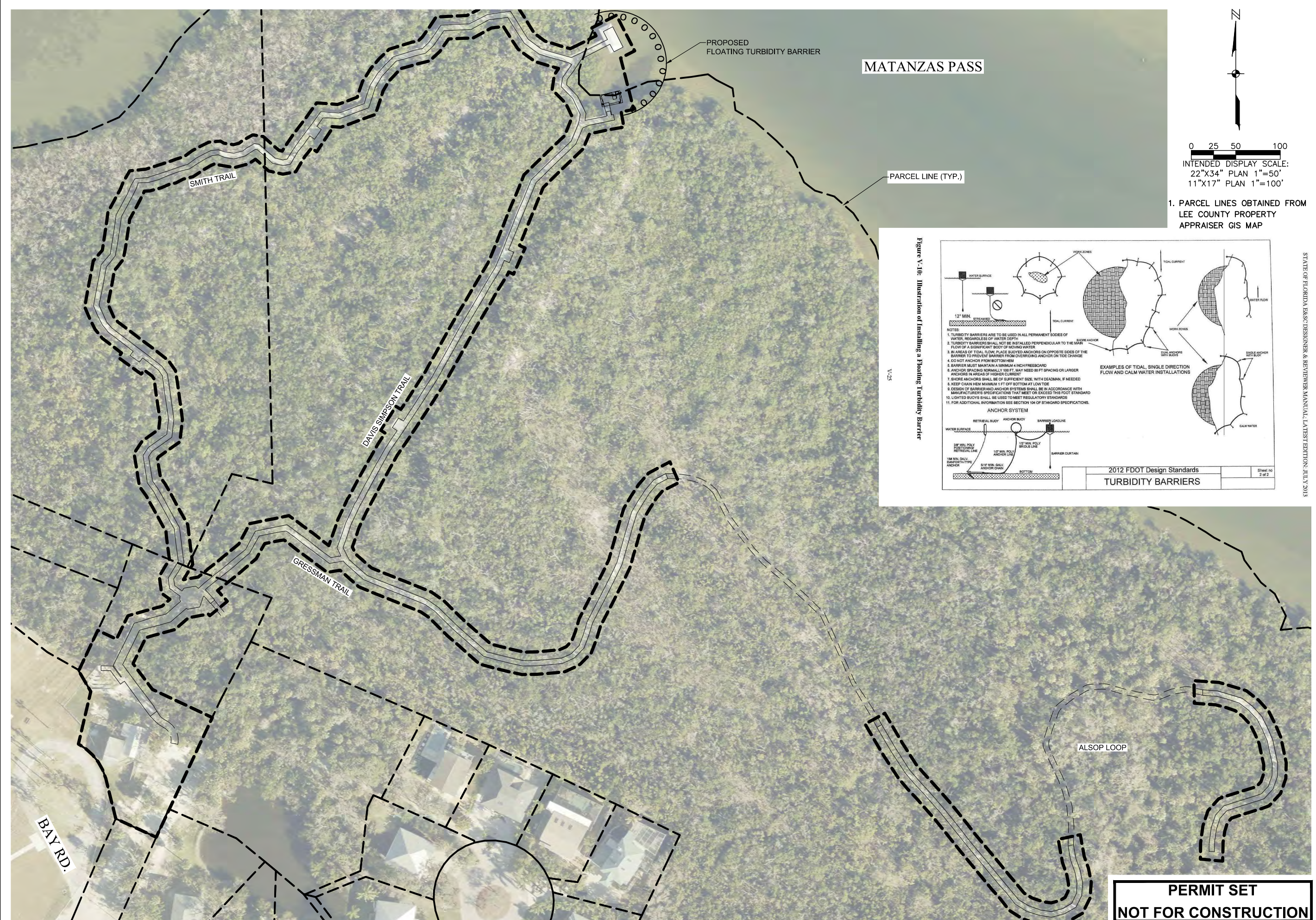
SHEET NUMBER

C07

1. PARCEL LINES OBTAINED FROM
LEE COUNTY PROPERTY
APPRAISER GIS MAP

NRCS SOILS		
Soil ID	Description	Hydric Status
4	Canaveral Fine Sand - Urban Land Complex, 0 to 2 percent slopes	Non-Hydric
5	Captiva Fine Sand, frequently ponded, 0 to 1 percent slopes	Hydric
24	Kesson Fine Sand, tidal, 0 to 1 percent slopes	Hydric
100	Waters of the Gulf of Mexico	

**PERMIT SET
NOT FOR CONSTRUCTION**



NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
PROJECT NO. 20236180-000
FILE NO. 19_20-46-24
SCALE: AS SHOWN

EROSION CONTROL PLAN

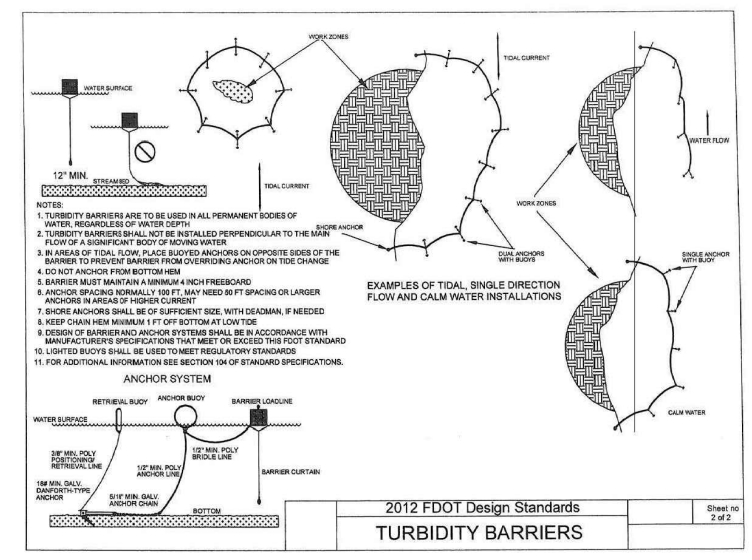
SHEET NUMBER
C08

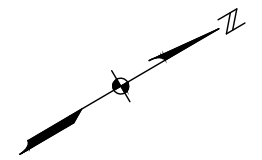
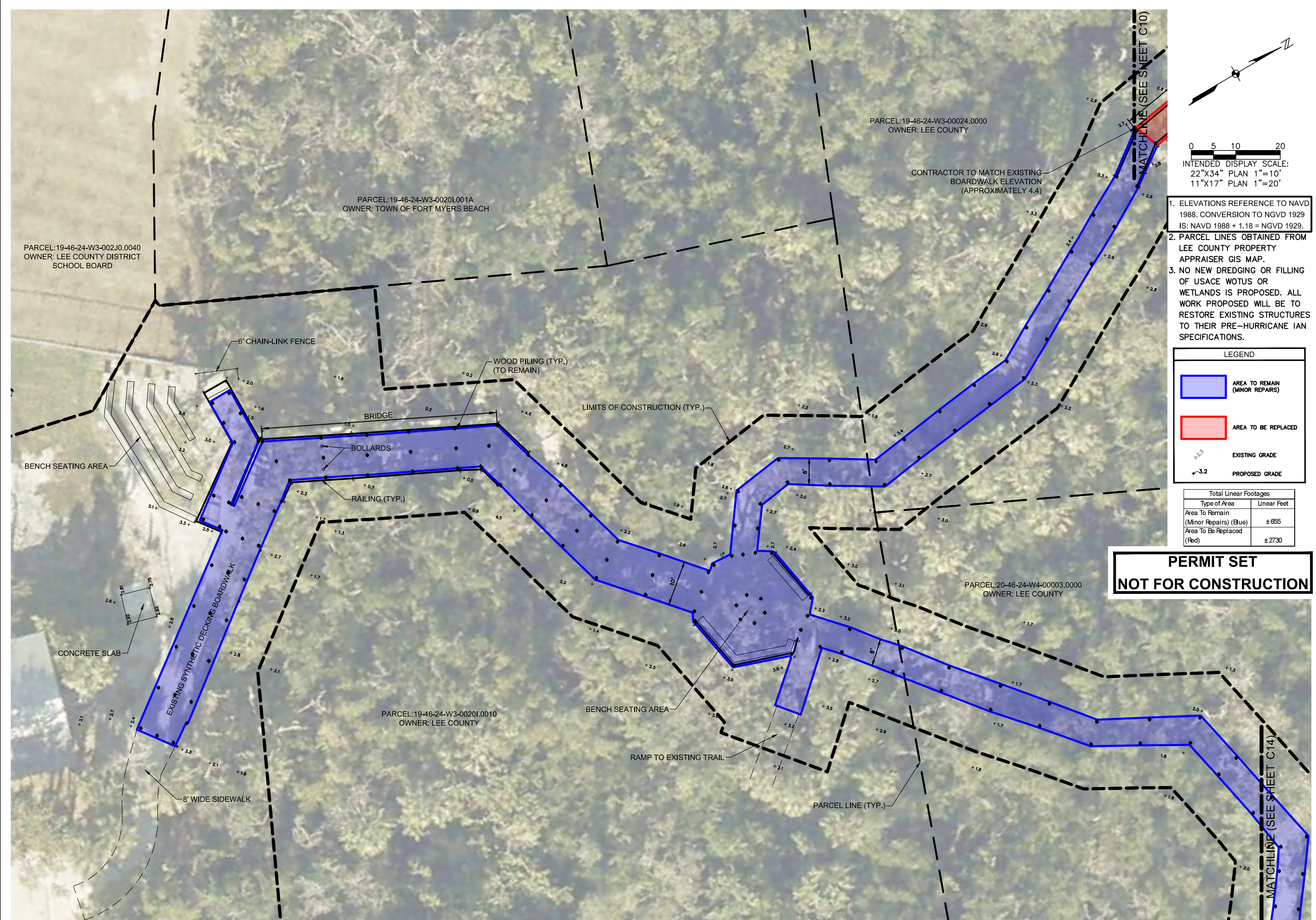
MATANZAS PASS

PARCEL LINE (TYP.)

1. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP

Figure V-10: Illustration of Installing a Floating Turbidity Barrier
V-25





0 5 10 20
INTENDED DISPLAY SCALE:
22"x34" PLAN 1"=10'
11"x17" PLAN 1"=20'

- ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
- PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP.
- NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.

LEGEND

	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED
$+2.3$	EXISTING GRADE
$+3.2$	PROPOSED GRADE

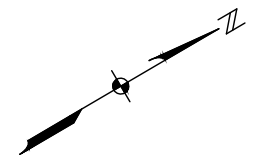
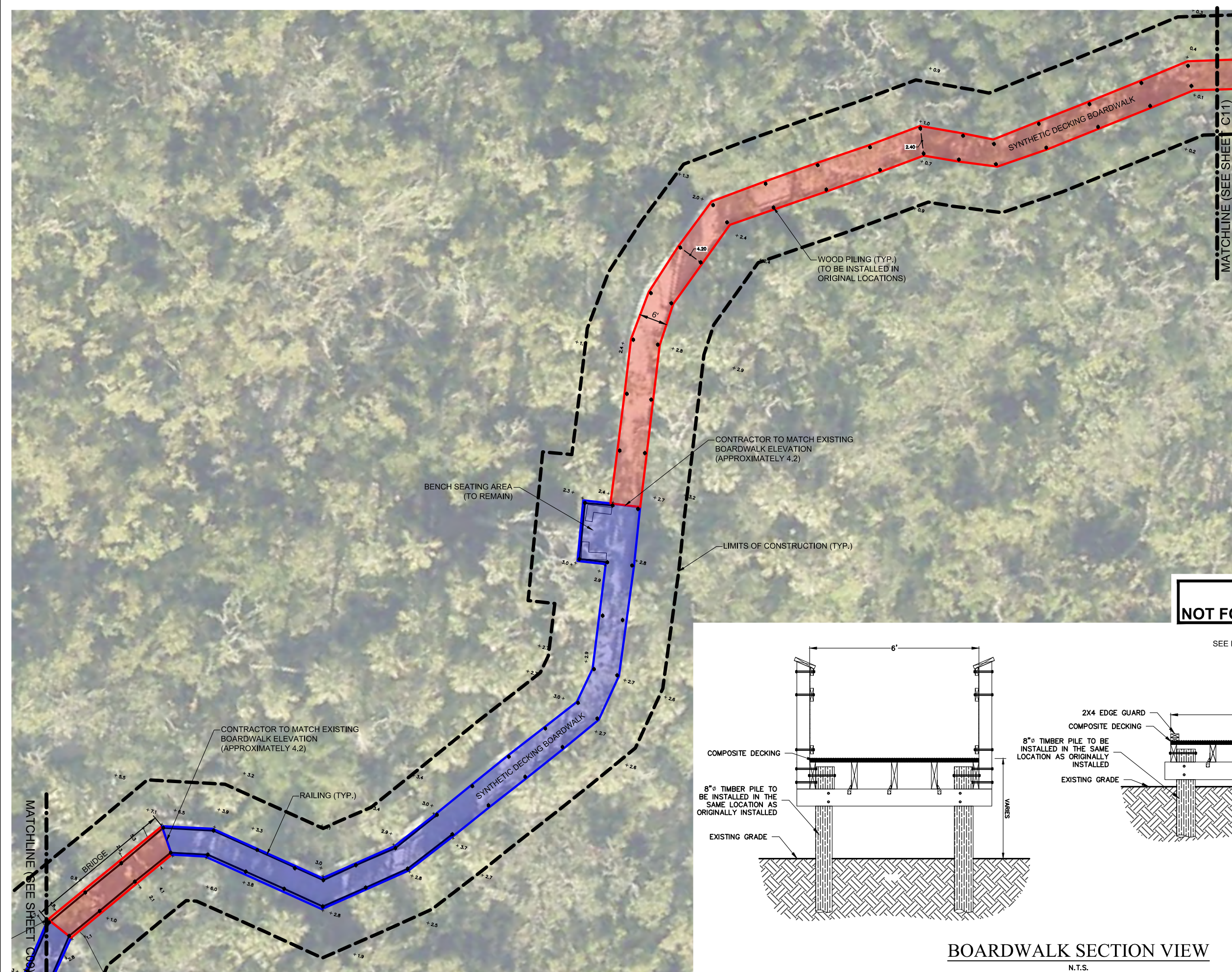
Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730

**PERMIT SET
NOT FOR CONSTRUCTION**

NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
PROJECT NO. 20236180-000
FILE NO. 19_20-46-24
SCALE: AS SHOWN

SITE PLAN
SHEET NUMBER
C09



0 5 10 20
 INTENDED DISPLAY SCALE:
 22"X34" PLAN 1"=10'
 11"X17" PLAN 1"=20'

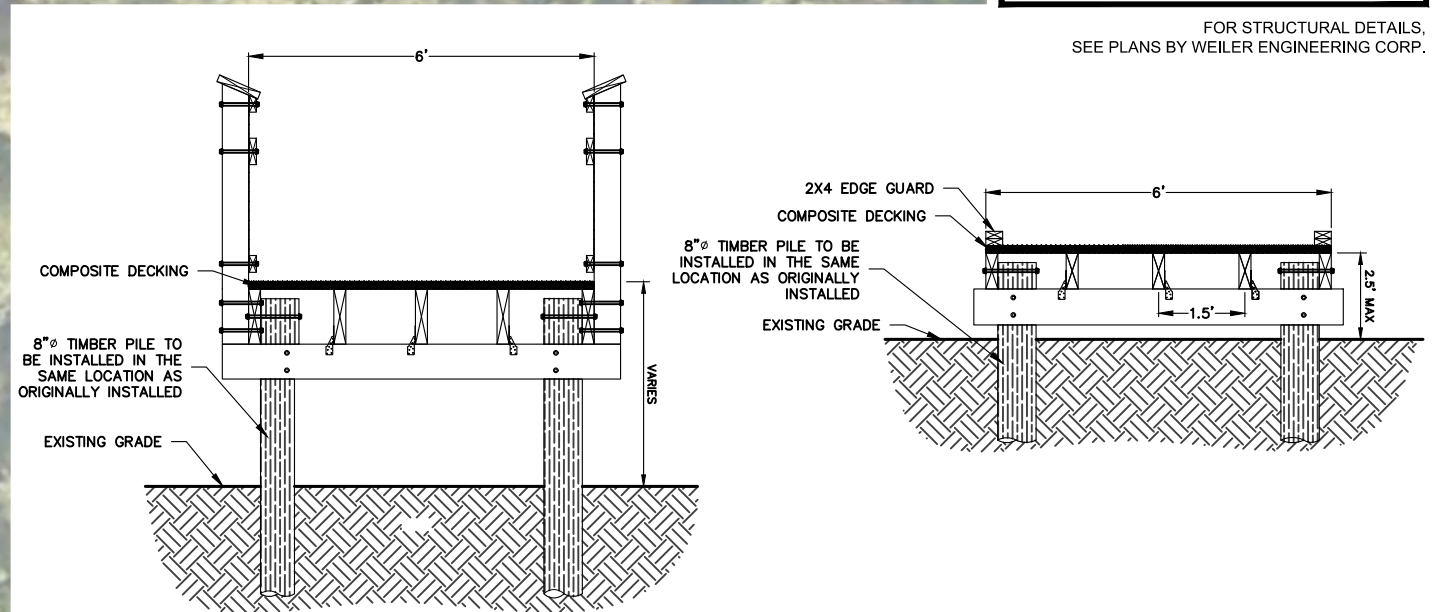
1. ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
2. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP.
3. NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED
$+2.3$	EXISTING GRADE
-3.2	PROPOSED GRADE

Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730

PERMIT SET
NOT FOR CONSTRUCTION

FOR STRUCTURAL DETAILS,
 SEE PLANS BY WEILER ENGINEERING CORP.



BOARDWALK SECTION VIEW

N.T.S.

JOHNSON ENGINEERING, INC.
 2122 JOHNSON STREET
 FORT MYERS, FLORIDA 33901
 PHONE: (239) 334-0046
 E.B. #642 & L.B. #642



WEILER ENGINEERING CORP.
 201 WEST MARION AVENUE, SUITE 1306
 PUNTA GORDA, FLORIDA 33950
 PHONE: (941) 505-1700
 FAX: (941) 505-1702

JORDAN LEVI VARBLE, PE
 FL License No. 81414



**MATANZAS PASS
 PRESERVE VARIOUS
 BOARDWALK REPAIRS
 LEE COUNTY, FLORIDA**

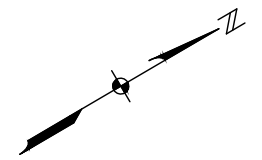
NO.	DATE	DESCRIPTION

DATE: AUGUST 2024
 PROJECT NO. 20236180-000
 FILE NO. 19, 20-46-24
 SCALE: AS SHOWN

SITE PLAN

SHEET NUMBER

C10



0 5 10 20
 INTENDED DISPLAY SCALE:
 22"X34" PLAN 1"=10'
 11"X17" PLAN 1"=20'

1. ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
2. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP.
3. NO NEW DREDGING OR FILLING OF USAGE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED
± 2.3	EXISTING GRADE
± 3.2	PROPOSED GRADE

Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730

PERMIT SET
NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
 PROJECT NO. 20236180-000
 FILE NO. 19, 20-46-24
 SCALE: AS SHOWN

SITE PLAN

SHEET NUMBER

C11

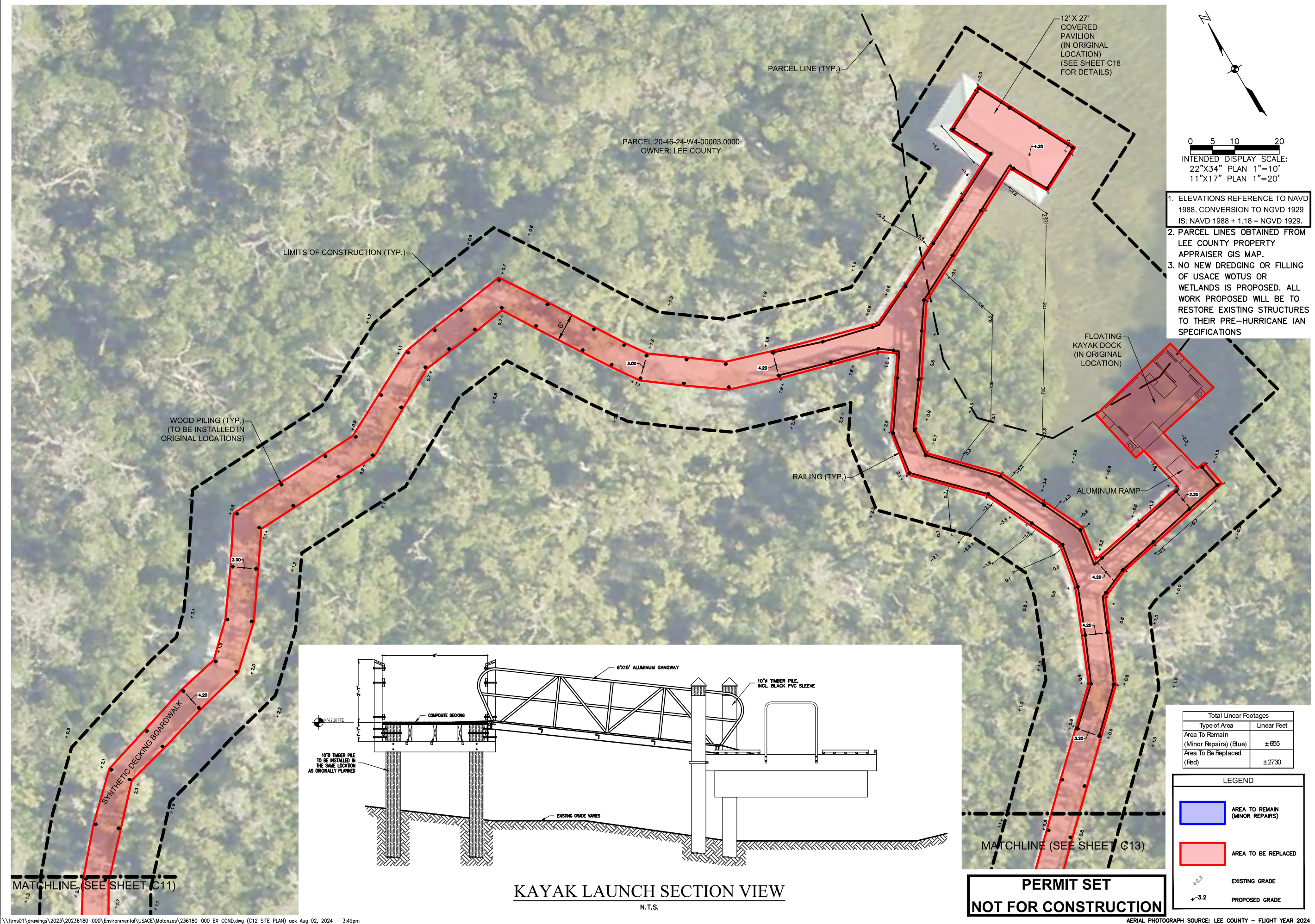
NO.	DATE	DESCRIPTION

DATE: AUGUST 2024
PROJECT NO. 20236180-000
FILE NO. 19_20-46-24
SCALE: AS SHOWN

SITE PLAN

SHEET NUMBER

C12



1. ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
2. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP.
3. NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS

0 5 10 20
INTENDED DISPLAY SCALE:
22"X34" PLAN 1"=10'
11"X17" PLAN 1"=20'

Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED
± 2.3	EXISTING GRADE
± 3.2	PROPOSED GRADE

**PERMIT SET
NOT FOR CONSTRUCTION**

KAYAK LAUNCH SECTION VIEW
N.T.S.

NO.	DESCRIPTION	DATE

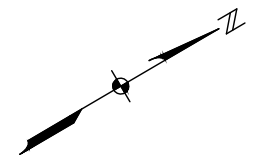
DATE: AUGUST 2024
PROJECT NO. 20236180-000
FILE NO. 19, 20-46-24
SCALE: AS SHOWN

SITE PLAN

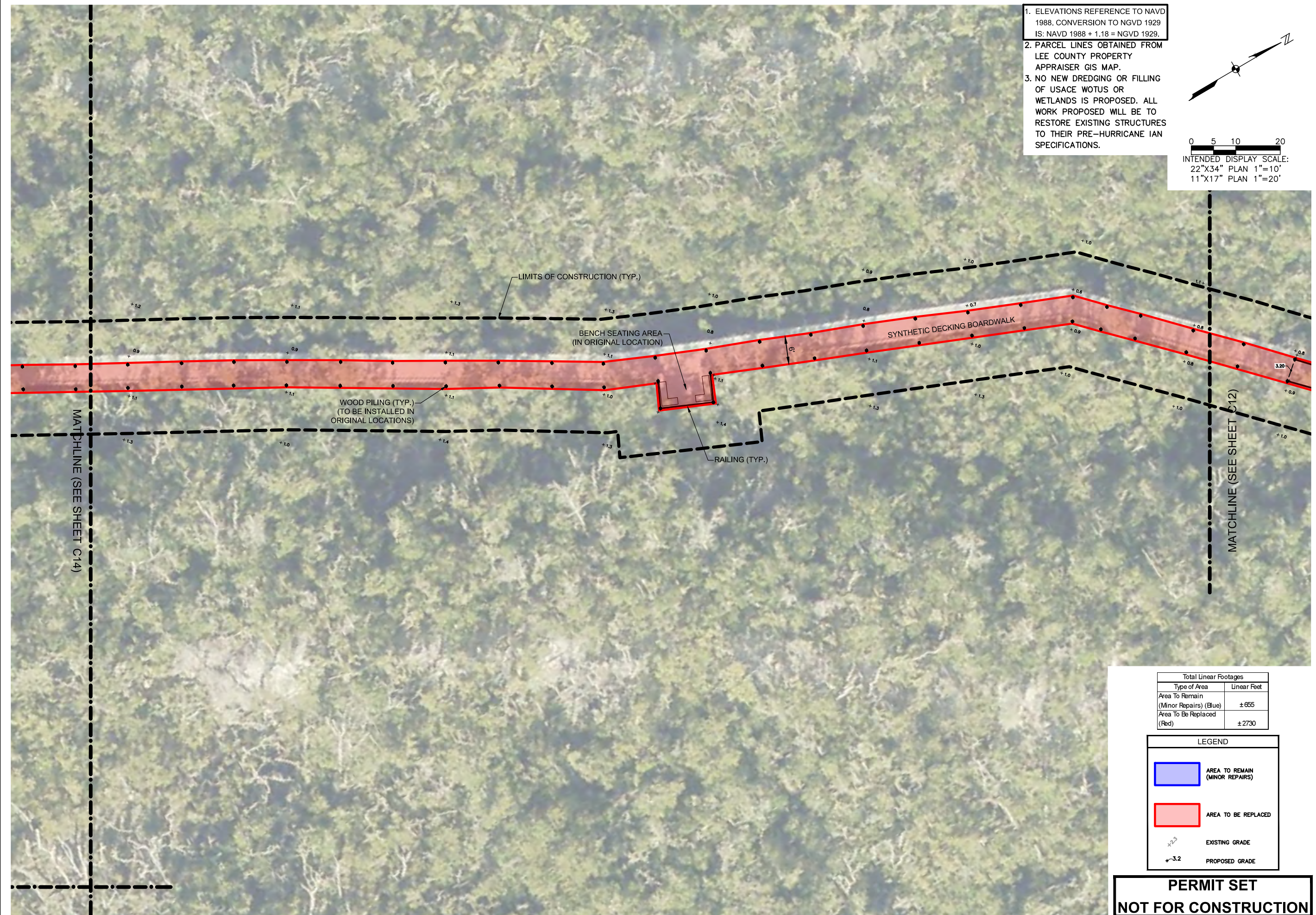
SHEET NUMBER

C13

- ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
- PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP.
- NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.



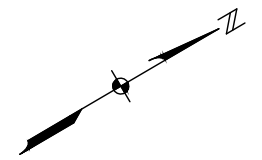
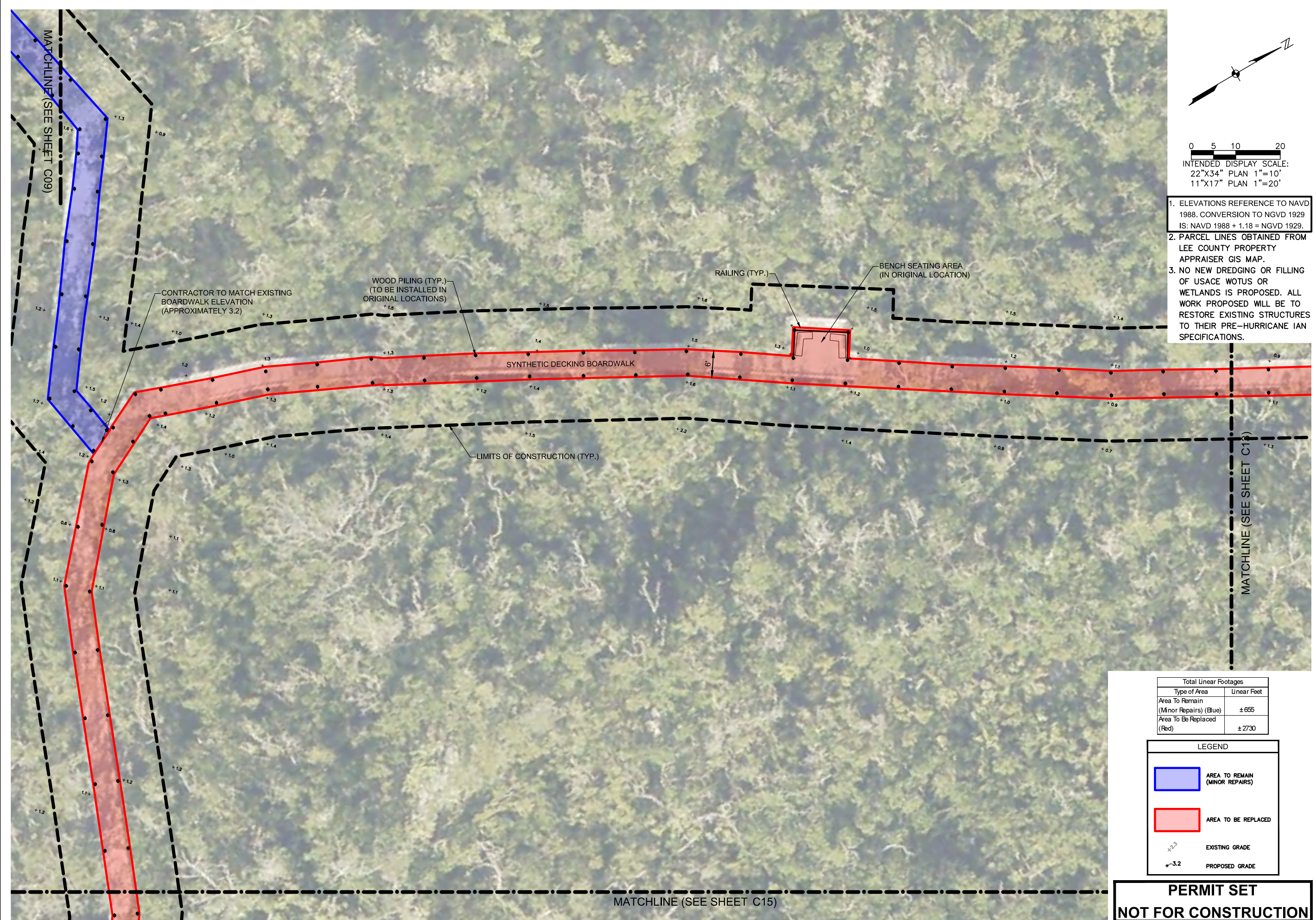
0 5 10 20
INTENDED DISPLAY SCALE:
22"X34" PLAN 1"=10'
11"X17" PLAN 1"=20'



Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED
	EXISTING GRADE
	PROPOSED GRADE

**PERMIT SET
NOT FOR CONSTRUCTION**



0 5 10 20
 INTENDED DISPLAY SCALE:
 22"X34" PLAN 1"=10'
 11"X17" PLAN 1"=20'

1. ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
2. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP.
3. NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.

Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED
	EXISTING GRADE
	PROPOSED GRADE

PERMIT SET
NOT FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

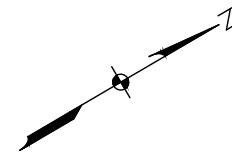
DATE: AUGUST 2024
 PROJECT NO. 20236180-000
 FILE NO. 19, 20-46-24
 SCALE: AS SHOWN

SITE PLAN

SHEET NUMBER

C14

MATCHLINE (SEE SHEET C14)



0 5 10 20

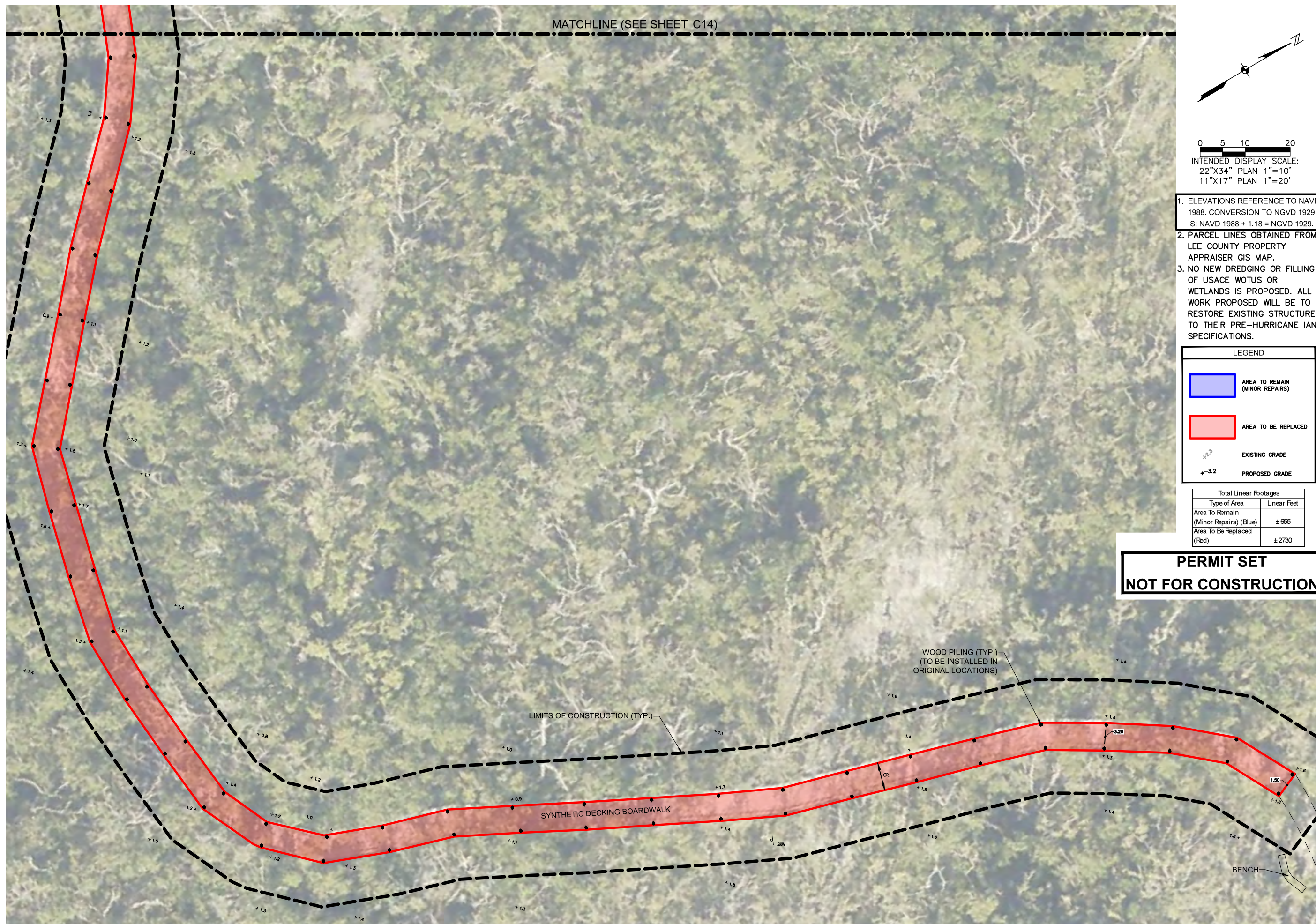
INTENDED DISPLAY SCALE:
22"x34" PLAN 1"=10'
11"x17" PLAN 1"=20'

1. ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
2. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP.
3. NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED
	EXISTING GRADE
	PROPOSED GRADE

Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730

**PERMIT SET
NOT FOR CONSTRUCTION**



NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
PROJECT NO. 20236180-000
FILE NO. 19_20-46-24
SCALE: AS SHOWN

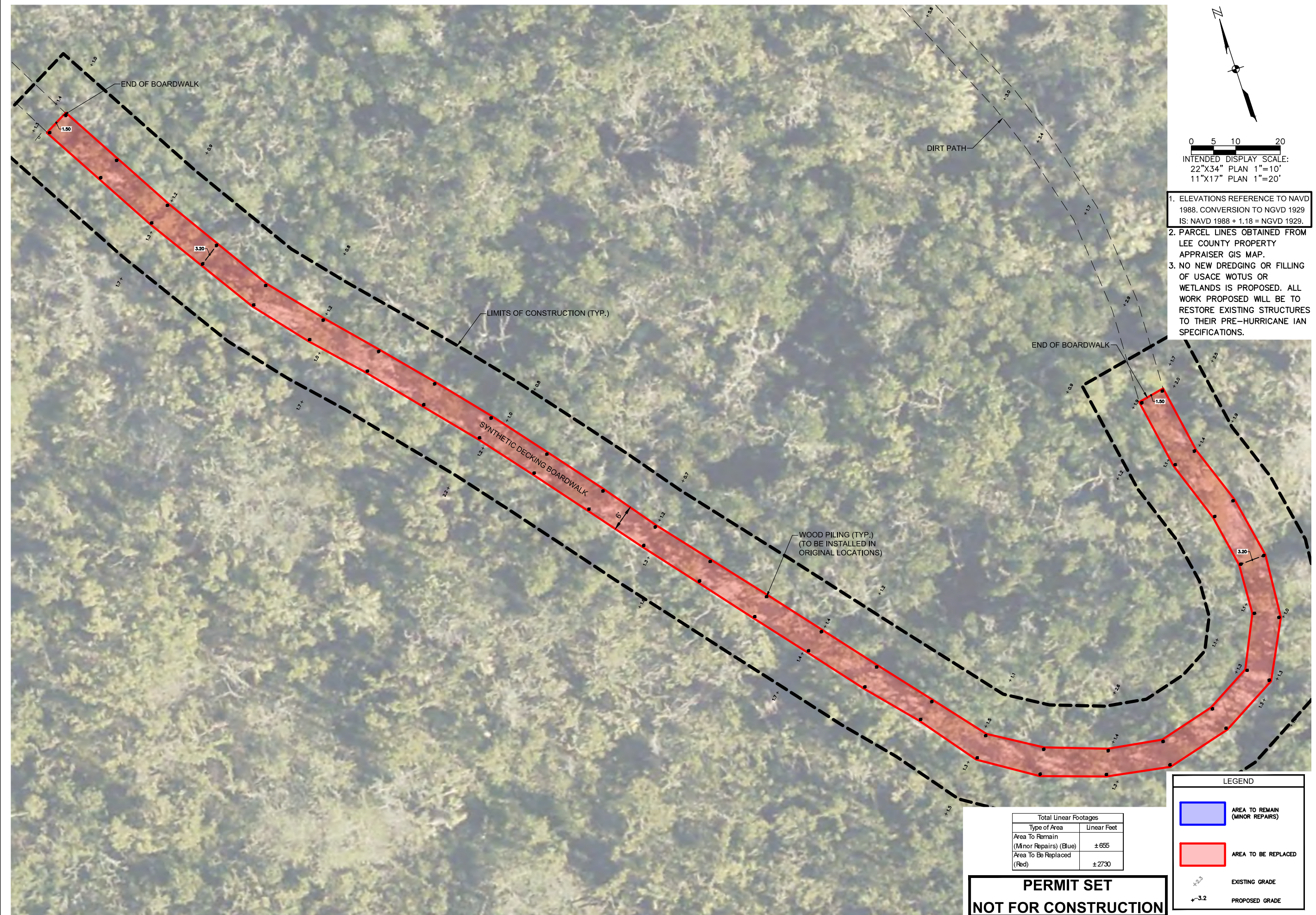
NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
PROJECT NO. 20236180-000
FILE NO. 19, 20-46-24
SCALE: AS SHOWN

SITE PLAN

SHEET NUMBER

C16

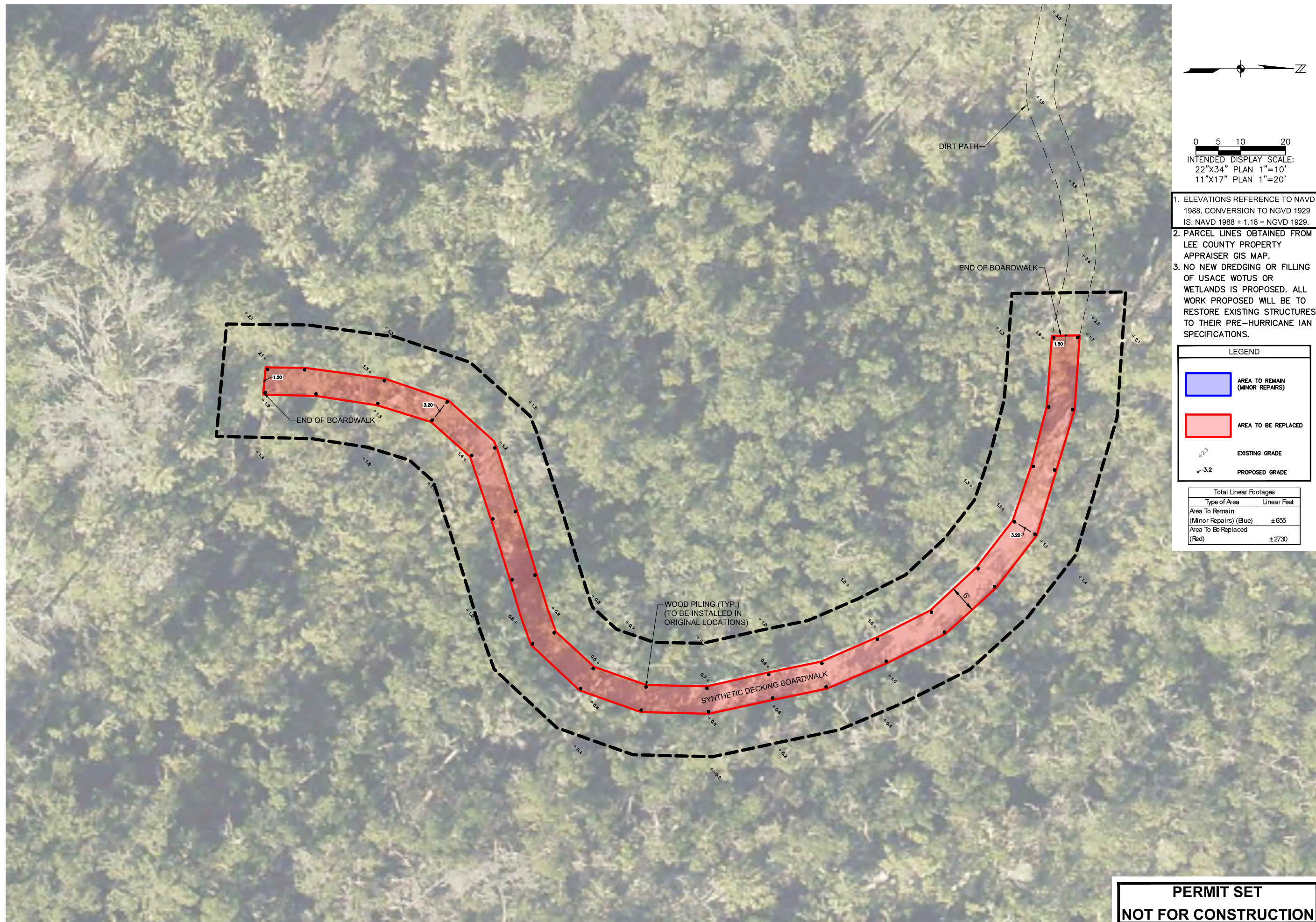


- ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
- PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP.
- NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.

Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730

**PERMIT SET
NOT FOR CONSTRUCTION**

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED
\blacktriangle +2.3	EXISTING GRADE
\blacktriangle -3.2	PROPOSED GRADE



0 5 10 20
 INTENDED DISPLAY SCALE:
 22"x34" PLAN 1"=10'
 11"x17" PLAN 1"=20'

1. ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
2. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP.
3. NO NEW DREDGING OR FILLING OF USACE WOTUS OR WETLANDS IS PROPOSED. ALL WORK PROPOSED WILL BE TO RESTORE EXISTING STRUCTURES TO THEIR PRE-HURRICANE IAN SPECIFICATIONS.

LEGEND	
	AREA TO REMAIN (MINOR REPAIRS)
	AREA TO BE REPLACED
	EXISTING GRADE
	PROPOSED GRADE

Total Linear Footages	
Type of Area	Linear Feet
Area To Remain (Minor Repairs) (Blue)	± 655
Area To Be Replaced (Red)	± 2730



MATANZAS PASS PRESERVE VARIOUS BOARDWALK REPAIRS LEE COUNTY, FLORIDA

NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
 PROJECT NO. 20236180-000
 FILE NO. 19_20-46-24
 SCALE: AS SHOWN

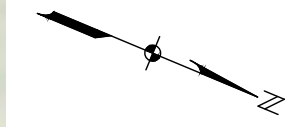
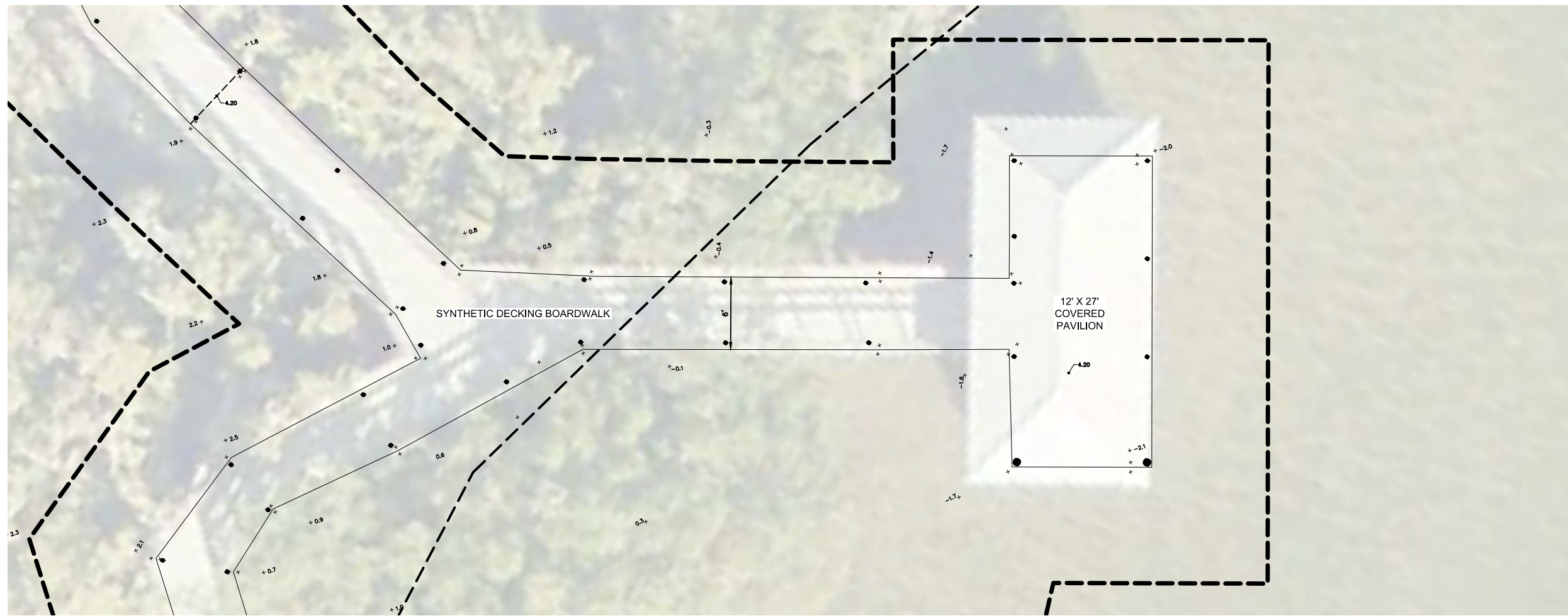
SITE PLAN

SHEET NUMBER

C17

**PERMIT SET
 NOT FOR CONSTRUCTION**

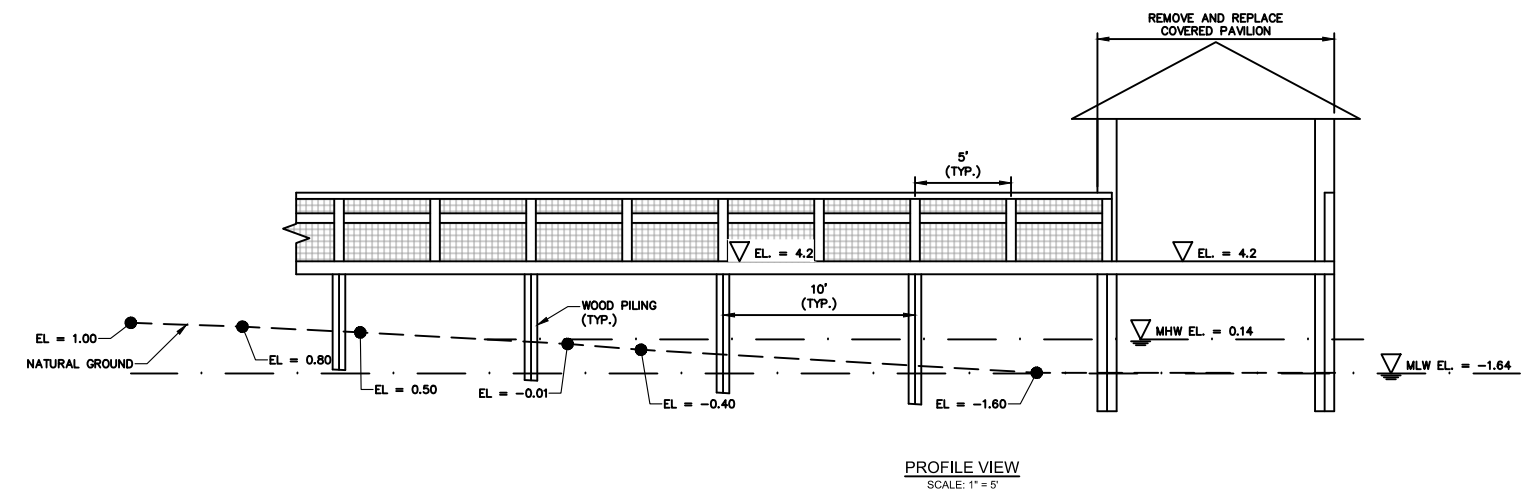
AERIAL PHOTOGRAPH SOURCE: LEE COUNTY - FLIGHT YEAR 2024



0 2 5 10
 INTENDED DISPLAY SCALE:
 22"X34" PLAN 1"=5'
 11"X17" PLAN 1"=10'

1. ELEVATIONS REFERENCE TO NAVD 1988. CONVERSION TO NGVD 1929 IS: NAVD 1988 + 1.18 = NGVD 1929.
2. PARCEL LINES OBTAINED FROM LEE COUNTY PROPERTY APPRAISER GIS MAP
3. TIDAL DATA PER TIDE INTERPOLATION POINT NO. 1213, ACCESSED FROM LABINS JUNE, 2024
4. FOR STRUCTURAL DETAILS, SEE PLANS BY WEILER ENGINEERING CORP.

LEGEND	
	EXISTING GRADE
	PROPOSED GRADE



MATANZAS PASS
 PRESERVE VARIOUS
 BOARDWALK REPAIRS
 LEE COUNTY, FLORIDA

NO.	DESCRIPTION	DATE

DATE: AUGUST 2024
 PROJECT NO. 20236180-000
 FILE NO. 19, 20-46-24
 SCALE: AS SHOWN

PLAN & PROFILE

SHEET NUMBER

C18

PERMIT SET
NOT FOR CONSTRUCTION

DEPARTMENT OF THE ARMY PERMIT TRANSFER REQUEST

DA PERMIT NUMBER: SAJ-2003-02679

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. Although the construction period for works authorized by Department of the Army permits is finite, the permit itself, with its limitations, does not expire.

To validate the transfer of this permit and the associated responsibilities associated with compliance with its terms and conditions, have the transferee sign and date below and mail to the U.S. Army Corps of Engineers, Enforcement Section, Post Office Box 4970, Jacksonville, FL 32232-0019 or submit via electronic mail to:

SAJ-RD-Enforcement@usace.army.mil (not to exceed 15 MB).

(TRANSFEREE-SIGNATURE)

(SUBDIVISION)

(DATE)

(LOT)

(BLOCK)

(NAME-PRINTED)

(STREET ADDRESS)

(MAILING ADDRESS)

(CITY, STATE, ZIP CODE)

Commencement Notification Form

File Number: SAJ-2003-02679

County: Lee

Permittee: Lee County, Ashley Koza

**Project Name: Lee Co BOCC / Matanzas Pass Pres. / Boardwalk & Docks Maint.
Proj. / Lee**

Date Verification Issued: 1/23/2025

Project Manager: Alexi Archer

Upon commencement OR Within 10 days of commencing the activity authorized by this permit, sign this certification and return it to the following address:

**US ARMY CORPS OF ENGINEERS
Jacksonville District
Enforcement Section
P.O. Box 4970
Jacksonville, FL 32232-0019
or
saj-rd-enforcement@usace.army.mil (preferred)**

Please note that your permitted activity is subject to a compliance inspection by a U. S. Army Corps of Engineers representative. Failure to comply with any terms or conditions of this authorization may result in the Corps suspending, modifying or revoking the authorization and/or issuing a Class I administrative penalty, or initiating other appropriate legal action.

Construction Start Date: _____

Signature of Permittee

Date

SELF-CERTIFICATION STATEMENT OF COMPLIANCE

Within sixty (60) days of completion of the authorized work, submit this form via electronic mail to saj-rd-enforcement@usace.army.mil (preferred) or by standard mail to U.S. Army Corps of Engineers, Enforcement Section, P.O. Box 4970, Jacksonville, FL 32232-0019.

1. **Department of the Army Permit Number:** SAJ-2003-02679 (NWP-CAA)

2. **Permittee Information:** Name: _____

Email: _____

Address: _____

Phone: _____

3. **Date Authorized Work Started:** _____ **Completed:** _____

4. **Contact to Schedule Inspection:** Name: _____

Email: _____

Phone: _____

5. **Description of Authorized Work (e.g. bank stabilization, fill placed within wetlands, docks, dredging, etc.):** _____

6. **Acreage or Square Feet of Impacts to Waters of the United States:** _____

7. **Describe Mitigation completed (if applicable):** _____

8. **Describe any Deviations from Permit (attach drawing(s) depicting the deviations):**

I certify that all work, and mitigation (if applicable) was done in accordance with the limitations and conditions as described in the permit. Any deviations as described above are depicted on the attached drawing(s).

Signature of Permittee

Printed Name of Permittee

Date

STANDARD MANATEE CONDITIONS FOR IN-WATER WORK

2011

The permittee shall comply with the following conditions intended to protect manatees from direct project effects:

- a. All personnel associated with the project shall be instructed about the presence of manatees and manatee speed zones, and the need to avoid collisions with and injury to manatees. The permittee shall advise all construction personnel that there are civil and criminal penalties for harming, harassing, or killing manatees which are protected under the Marine Mammal Protection Act, the Endangered Species Act, and the Florida Manatee Sanctuary Act.
- b. All vessels associated with the construction project shall operate at "Idle Speed/No Wake" at all times while in the immediate area and while in water where the draft of the vessel provides less than a four-foot clearance from the bottom. All vessels will follow routes of deep water whenever possible.
- c. Siltation or turbidity barriers shall be made of material in which manatees cannot become entangled, shall be properly secured, and shall be regularly monitored to avoid manatee entanglement or entrapment. Barriers must not impede manatee movement.
- d. All on-site project personnel are responsible for observing water-related activities for the presence of manatee(s). All in-water operations, including vessels, must be shut down if a manatee(s) comes within 50 feet of the operation. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.
- e. Any collision with or injury to a manatee shall be reported immediately to the Florida Fish and Wildlife Conservation Commission (FWC) Hotline at 1-888-404-3922. Collision and/or injury should also be reported to the U.S. Fish and Wildlife Service in Jacksonville (1-904-731-3336) for north Florida or Vero Beach (1-772-562-3909) for south Florida, and to FWC at ImperiledSpecies@myFWC.com
- f. Temporary signs concerning manatees shall be posted prior to and during all in-water project activities. All signs are to be removed by the permittee upon completion of the project. Temporary signs that have already been approved for this use by the FWC must be used. One sign which reads *Caution: Boaters* must be posted. A second sign measuring at least 8 ½" by 11" explaining the requirements for "Idle Speed/No Wake" and the shut down of in-water operations must be posted in a location prominently visible to all personnel engaged in water-related activities. These signs can be viewed at MyFWC.com/manatee. Questions concerning these signs can be sent to the email address listed above.

CAUTION: MANATEE HABITAT

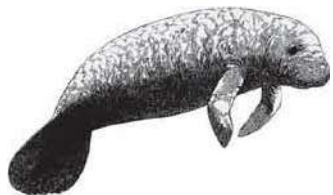
All project vessels

IDLE SPEED / NO WAKE

When a manatee is within 50 feet of work
all in-water activities must

SHUT DOWN

Report any collision with or injury to a manatee:



Wildlife Alert:

888-404-FWCC (3922)

cell *FWC or #FWC

STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE

U.S. Fish and Wildlife Service

May 2024

The Standard Protection Measures for the Eastern Indigo Snake (Plan) below has been developed by the U.S. Fish and Wildlife Service (USFWS) in Florida and Georgia for use by project proponents and their construction personnel help minimize adverse impacts to eastern indigo snakes. However, implementation of this Plan does not replace any state or federal consultation or regulatory requirements. At least 30 days prior to any land disturbance activities, the project proponent shall notify the appropriate USFWS Field Office (see Field Office contact information) via e-mail that the Plan will be implemented as described below.

As long as the signatory of the e-mail certifies compliance with the below Plan (including use of the approved poster and pamphlet ([USFWS Eastern Indigo Snake Conservation webpage](#))), no further written confirmation or approval from the USFWS is needed regarding use of this Plan as a component of the project.

If the project proponent decides to use an eastern indigo snake protection/education plan other than the approved Plan below, written confirmation or approval from the USFWS that the plan is adequate must be obtained. The project proponent shall submit their unique plan for review and approval. The USFWS will respond via e-mail, typically within 30 days of receiving the plan, either concurring that the plan is adequate or requesting additional information. A concurrence e-mail from the appropriate USFWS Field Office will fulfill approval requirements.

STANDARD PROTECTION MEASURES

BEFORE AND DURING CONSTRUCTION ACTIVITIES:

- All Project personnel shall be notified about the potential presence and appearance of the federally protected eastern indigo snake (*Drymarchon couperi*).
- All personnel shall be advised that there are civil and criminal penalties for harassing, harming, pursuing, hunting, shooting, wounding, killing, capturing, or collecting the species, in knowing violation of the Endangered Species Act of 1973.
- The project proponent or designated agent will post educational posters in the construction office and throughout the construction site. The posters must be clearly visible to all construction staff and shall be posted in a conspicuous location in the

Project field office until such time that Project construction has been completed and time charges have stopped.

- Prior to the onset of construction activities, the project proponent or designated agent will conduct a meeting with all construction staff (annually for multi-year projects) to discuss identification of the snake, its protected status, what to do if a snake is observed within the project area, and applicable penalties that may be imposed if state and/or federal regulations are violated. An educational pamphlet including color photographs of the snake will be given to each staff member in attendance and additional copies will be provided to the construction superintendent to make available in the onsite construction office. Photos of eastern indigo snakes may be accessed on USFWS, Florida Fish and Wildlife Conservation Commission and/or Georgia Department of Natural Resources websites.
- Each day, prior to the commencement of maintenance or construction activities, the Contractor shall perform a thorough inspection for the species of all worksite equipment.
- If an eastern indigo snake (alive, dead or skin shed) is observed on the project site during construction activities, all such activities are to cease until the established procedures are implemented according to the Plan, which includes notification of the appropriate USFWS Office. The contact information for the USFWS is provided below and on the referenced posters and pamphlets.
- During initial site clearing activities, an onsite observer is recommended to determine whether habitat conditions suggest a reasonable probability of an eastern indigo snake sighting (example: discovery of snake sheds, tracks, lots of refugia and cavities present in the area of clearing activities, and presence of gopher tortoises and burrows).
- Periodically during construction activities, the project area should be visited to observe the condition of the posters and Plan materials and replace them as needed. Construction personnel should be reminded of the instructions (above) as to what is expected if any eastern indigo snakes are seen.
- For erosion control use biodegradable, 100% natural fiber, net-free rolled erosion control blankets to avoid wildlife entanglement.

POST CONSTRUCTION ACTIVITIES:

Whether or not eastern indigo snakes are observed during construction activities, a monitoring report should be submitted to the appropriate USFWS Field Office within 60 days of project completion (See USFWS Field Office Contact Information).

USFWS FIELD OFFICE CONTACT INFORMATION

Georgia Field Office: Phone: (706) 613-9493, email: gaes_assistance@fws.gov
Florida Field Office: Phone: (352) 448-9151, email: fw4flesregs@fws.gov

POSTER & PAMPHLET INFORMATION

Posters with the following information shall be placed at strategic locations on the construction site and along any proposed access roads (final posters for Plan compliance are available on our website in English and Spanish and should be printed on 11 x 17in or larger paper and laminated ([USFWS Eastern Indigo Snake Conservation webpage](#))). Pamphlets are also available on our webpage and should be printed on 8.5 x 11in paper and folded, and available and distributed to staff working on the site.

POSTER CONTENT (ENGLISH):

ATTENTION

Federally-Threatened Eastern Indigo Snakes may be present on this site!

Killing, harming, or harassing eastern indigo snakes is strictly prohibited and punishable under State and Federal Law.

IF YOU SEE A LIVE EASTERN INDIGO SNAKE ON THE SITE:

- Stop land disturbing activities and allow the snake time to move away from the site without interference. Do NOT attempt to touch or handle the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Immediately notify supervisor/agent, and a U.S. Fish and Wildlife Service (USFWS) Ecological Services Field Office, with the location information and condition of the snake.
- If the snake is located near clearing or construction activities that will cause harm to the snake, the activities must pause until a representative of the USFWS returns the call (within one day) with further guidance.

IF YOU SEE A DEAD EASTERN INDIGO SNAKE ON THE SITE:

- Stop land disturbing activities and immediately notify supervisor/applicant, and a USFWS Ecological Services Field Office, with the location information and condition of the snake.
- Take photographs of the snake, if possible, for identification and documentation purposes.
- Thoroughly soak the dead snake in water and then freeze the specimen. The appropriate wildlife agency will retrieve the dead snake.

DESCRIPTION: The eastern indigo snake is one of the largest non-venomous snakes in North America, reaching up to 8 ft long. Named for the glossy, blue-black scales above and slate blue below, they often have orange to reddish color (cream color in some cases)

in the throat area. They are not typically aggressive.

SIMILAR SPECIES: The black racer resembles the eastern indigo snake. However, black racers have a white or cream chin, and thinner bodies.

LIFE HISTORY: Eastern indigo snakes live in a variety of terrestrial habitat types. Although they prefer uplands, they also use wetlands and agricultural areas. They will shelter inside gopher tortoise burrows, other animal burrows, stumps, roots, and debris piles. Females may lay from 4 to 12 white eggs as early as April through June, with young hatching in late July through October.

PROTECTED STATUS: The eastern indigo snake is protected by the USFWS, Florida Fish and Wildlife Conservation Commission, and Georgia Department of Natural Resources. Any attempt to kill, harm, harass, pursue, hunt, shoot, wound, trap, capture, collect, or engage eastern indigo snakes is prohibited by the U.S. Endangered Species Act. Penalties include a maximum fine of \$25,000 for civil violations and up to \$50,000 and/or imprisonment for criminal offenses. Only authorized individuals with a permit (or an Incidental Take Statement associated with a USFWS Biological Opinion) may handle an eastern indigo snake.

Please contact your nearest USFWS Ecological Services Field Office if a live or dead eastern indigo snake is encountered:

Florida Office: (352) 448-9151

Georgia Office: (706) 613-9493

POSTER CONTENT (SPANISH):

ATENCIÓN

¡Especie amenazada, la culebra Índigo del Este, puede ocupar el área!

Matar, herir o hostigar culebras Índigo del Este es estrictamente prohibido bajo la Ley Federal.

SI VES UNA CULEBRA ÍNDIGO DEL ESTE O UNA CULEBRA NEGRA VIVA EN EL ÁREA:

- Pare excavación y permite el movimiento de la culebra fuera del área sin interferir. NO atentes tocar o recoger la culebra.
- Fotografié la culebra si es posible para identificación y documentación.
- Notifique supervisor/agente, y la Oficina de Campo de Servicios Ecológicos del Servicio Federal de Pesca y Vida Silvestre (USFWS) apropiada con información acerca del sitio y condición de la culebra.

- Si la culebra está cerca de un área de construcción que le pueda causar daño, las actividades deben parar hasta un representante del USFWS regrese la llamada (dentro de un día) con más orientación.

SI VES UNA CULEBRA ÍNDIGO DEL ESTE MUERTA EN EL ÁREA:

- Pare excavación. Notifique supervisor/aplicante, y la Oficina de Campo de Servicios Ecológicos apropiada con información acerca del sitio y condición de la culebra.
- Fotografié la culebra si es posible para identificación y documentación.
- EmERGE completamente la culebra en agua y congele la especie hasta que personal apropiado de la agencia de vida silvestre la recoja.

DESCRIPCIÓN. La culebra Índigo del Este es una de las serpientes sin veneno más grande en Norte América, alcanzando hasta 8 pies de largo. Su nombre proviene del color azul-negro brillante de sus escamas, pero pueden tener un color anaranjado-rojizo (color crema en algunos casos) en su mandíbula inferior. No tienden a ser agresivas.

SERPIENTES PARECIDAS. La corredora negra, que es de color negro sólido, es la única otra serpiente que se asemeja a la Índigo del Este. La corredora negra se diferencia por una mandíbula inferior color blanca o crema y un cuerpo más delgado.

HÁBITATS Y ECOLOGÍA. La culebra Índigo del Este vive en una variedad de hábitats, incluyendo tierras secas, humedales, y áreas de agricultura. Ellas buscan refugio en agujeros o huecos de tierra, en especial madrigueras de tortugas de tierra. Las hembras ponen 4 hasta 12 huevos blancos entre abril y junio, y la cría emergen entre julio y octubre.

PROTECCIÓN LEGAL. La culebra Índigo del Este es clasificada como especie amenazada por el USFWS, la Comisión de Conservación de Pesca y Vida Silvestre de Florida y el Departamento de Recursos Naturales de Georgia. Intento de matar, hostigar, herir, lastimar, perseguir, cazar, disparar, capturar, coleccionar o conducta parecida hacia las culebras Índigo del Este es prohibido por la Ley Federal de Especies en Peligro de Extinción. Penalidades incluyen un máximo de \$25,000 por violaciones civiles y \$50,000 y/o encarcelamiento por actos criminales. Solos individuales autorizados con un permiso o Determinación de toma incidental (Incidental Take Statement) asociado con una Opinión Biológico del USFWS pueden recoger una Índigo del Este.

Por favor de contactar tu Oficina de Campo de Servicios Ecológicos más cercana si encuentras una culebra Índigo del Este viva o muerta:

Oficina de Florida: (352) 448-9151

Oficina de Georgia: (706) 613-9493

APPENDIX D

Best Management Practices (BMPs) for Florida Bonneted Bat

Appendix D: Best Management Practices (BMPs) for Development Projects

Ongoing research and monitoring will continue to increase the understanding of the Florida bonneted bat and its habitat needs and will continue to inform habitat and species management recommendations. These BMPs incorporate what is known about the species and also include recommendations that are beneficial to all bat species in Florida. These BMPs are intended to provide recommendations for improving conditions for use by Florida bonneted bats, and to help conserve Florida bonneted bats that may be foraging or roosting in an area.

The BMPs required to reach a “may affect, but is not likely to adversely affect” (MANLAA) determination vary depending on the couplet from the Consultation Key used to reach that particular MANLAA. The requirements for each couplet are provided below followed by the list of BMPs. If the applicant is unable or does not want to do the required BMPs, then the Corps (or other Action Agency) will not be able to use this Guidance and formal consultation with the Service is required.

Couplet Number for MANLAA from Consultation Key	Required BMPs
4b	<u>BMP number 1 if more than 3 months has occurred between the survey and start of the project, and any 3 BMPs out of BMPs 4 through 13</u>
5b	BMP number 2, and any 3 BMPs out of BMPs 3 through 13
9b	BMPs number 2 and 3, and any 4 BMPs out of BMPs 5 through 13
11b	BMPs number 1 and 4, and any 4 BMPs out of BMPs 5 through 13
12b	BMP number 1, and any 3 BMPs out of BMPs 3 through 13
14b	Any 2 BMPs out of BMPs 3 through 13
15b	Any 3 BMPs out of BMPs 3 through 13
17b	Any 4 BMPs out of BMPs 3 through 13

BMPs for development, construction, and other general activities:

1. If potential roost trees or structures need to be removed, check cavities for bats within 30 days prior to removal of trees, snags, or structures. When possible, remove structure outside of breeding season (*e.g.*, January 1 – April 15). If evidence of use by any bat species is observed, discontinue removal efforts in that area and coordinate with the Service on how to proceed.
2. When using heavy equipment, establish a 250 foot (76 m) buffer around known or suspected roosts to limit disturbance to roosting bats.
3. For every 5 acres of impact, retain a minimum of 1.0 acre of native vegetation. If upland habitat is impacted, then upland habitat with native vegetation should be retained.
4. For every 5 acres of impact, retain a minimum of 0.25 acre of native vegetation. If upland habitat is impacted, then upland habitat with native vegetation should be retained..
5. Conserve open freshwater and wetland habitats to promote foraging opportunities and avoid impacting water quality. Created/restored habitat should be designed to replace the function of native habitat.

6. Conserve and/or enhance riparian habitat. A 50-ft (15.2 m) buffer is recommended around water bodies and stream edges. In cases where artificial water bodies (*i.e.*, stormwater ponds) are created, enhance edges with native plantings especially in cases in which wetland habitat was affected.
7. Avoid or limit widespread application of insecticides (*e.g.*, mosquito control, agricultural pest control) in areas where Florida bonneted bats are known or expected to forage or roost.
8. Conserve natural vegetation to promote insect diversity, availability, and abundance. For example, retain or restore 25% of the parcel in native contiguous vegetation.
9. Retain mature trees and snags that could provide roosting habitat. These may include live trees of various sizes and dead or dying trees with cavities, hollows, crevices, and loose bark. See “Roosting Habitat” in “Background” above.
10. Protect known Florida bonneted bat roost trees, snags or structures and trees or snags that have been historically used by Florida bonneted bats for roosting, even if not currently occupied, by retaining a 250 foot (76 m) disturbance buffer around the roost tree, snag, or structure to ensure that roost sites remain suitable for use in the future.
11. Avoid and minimize the use of artificial lighting, retain natural light conditions, and install wildlife friendly lighting (*i.e.*, downward facing and lowest lumens possible). Avoid permanent night-time lighting to the greatest extent practicable.
12. Incorporate engineering designs that discourage bats from using buildings or structures. If Florida bonneted bats take residence within a structure, contact the Service and Florida Fish and Wildlife Conservation Commission prior to attempting removal or when conducting maintenance activities on the structure.
13. Use or allow prescribed fire to promote foraging habitat.