



16591/3115  
June 16, 2020

### **PUBLIC NOTICE (05-20)**

All interested parties are notified that the Commander, Seventh Coast Guard District has received an application from co-applicants National Aeronautics and Space Administration (NASA) and the State of Florida Department of Transportation (FDOT) requesting approval of the location and plans for the construction of a bridge over a navigable waterway of the United States.

**WATERWAY AND LOCATION:** Indian River, Intracoastal Waterway (ICW) mile 885.0, on State Road 405 (SR-405) at Titusville, Brevard County, FL. 28° 31'38.74" N latitude and -80° 45' 55.93" W longitude.

**CHARACTER OF WORK:** The project proposes replacing the existing SR-405 bascule bridge with a higher level fixed bridge, consisting of two, 12 ft. wide travel lanes in each direction with limited shoulders. The overall length of the bridge structure will be 4025 ft. long (abutment to abutment). The out-to-out width of the proposed high-level fixed bridge structure will be 121.-8 ft. The replacement bridge will be conducted in two phases. Phase one will construct the eastbound bridge. Once traffic has shifted to the eastbound bridge, the existing bascule bridge will be demolished and the westbound bridge constructed, causing no disruption to vehicular traffic.

#### **MINIMUM NAVIGATIONAL CLEARANCES:**

##### **Existing Clearances**

###### Horizontal:

90.0 ft. between face of fenders  
Normal to channel axis

###### Vertical:

28.0 ft. above Mean High Water (draw closed)  
Unlimited vertical (draw opened)

##### **Proposed Clearance**

###### Horizontal

125 ft. between face of fenders  
Normal to the channel axis

###### Vertical

66.2 ft. above Mean High Water

#### **ENVIRONMENTAL CONSIDERATIONS:**

The Office of Environmental Management (OEM), as the lead federal agency through National Environmental Policy Act (NEPA) assignment has made a determination that the proposed project is a Categorical Exclusion (CATEX) for purposes of NEPA. The Coast Guard made a tentative determination the project qualifies as a CATEX because it satisfies criteria for such actions listed in the Coast Guard's NEPA Implementing Instructions.

#### **FOR MORE INFORMATION INCLUDING INSTRUCTIONS ON PROVIDING COMMENTS:**

The complete Public Notice 05-20 including: a summary of project impacts, and drawings of the location and plans for the proposed bridge can be viewed and printed at <https://www.navcen.uscg.gov/D7BN>. The Public Notice can also be obtained by contacting the Coast Guard Project Manager, Mr. Gwin Tate at William.G.Tate@Uscg.Mil or (305) 415-6747, or by mail at Commander (dpb), Seventh Coast Guard District, 909 S.E. 1<sup>ST</sup> Avenue, Suite 432, Miami, FL 33131.

Interested parties are requested to express their views, in writing, on the proposed bridge project giving sufficient detail to establish a clear understanding of their reasons for support of, or opposition to, the proposed work.

Comments will be received for the record at the office of: Commander (dpb), Seventh Coast Guard District, 909 SE 1st Avenue, Ste. 432, Miami, Florida 33131, for a 30-day period from the date of the Public Notice.

Mariners are requested to comment on the proposed vertical and horizontal navigational clearances, the need for a bridge protective fendering system and other navigational safety issues including the extent of nighttime navigation at the bridge site.

CONTRACT PLANS COMPONENTS  
ROADWAY PLANS

STATE OF FLORIDA  
DEPARTMENT OF TRANSPORTATION

CONTRACT PLANS

FINANCIAL PROJECT ID 440424-1-52-01  
(FEDERAL FUNDS)

BREVARD COUNTY (00100)

COUNTY ROAD NO. 405

NASA CAUSEWAY BRIDGE REPLACEMENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
01	KEY SHEET
02 - 04	TYPICAL SECTIONS
05 - 17	ROADWAY PLANS

APPLICABLE DSRs:

\* These sheets are included in the Index of Roadway Plans only to indicate that they are part of the Roadway Plans. These sheets are contained in a separate digitally signed and sealed document.

GOVERNING STANDARD PLANS:

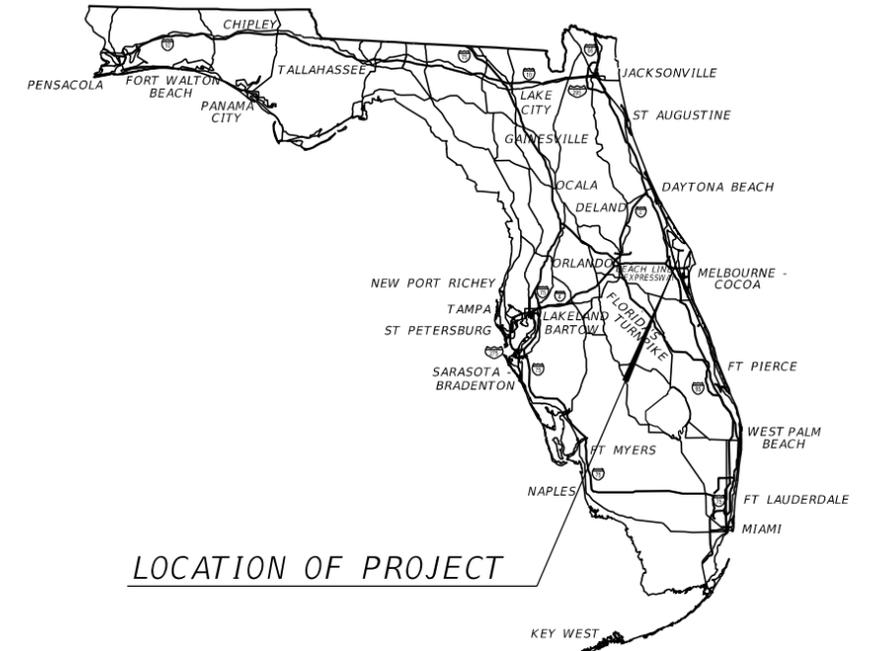
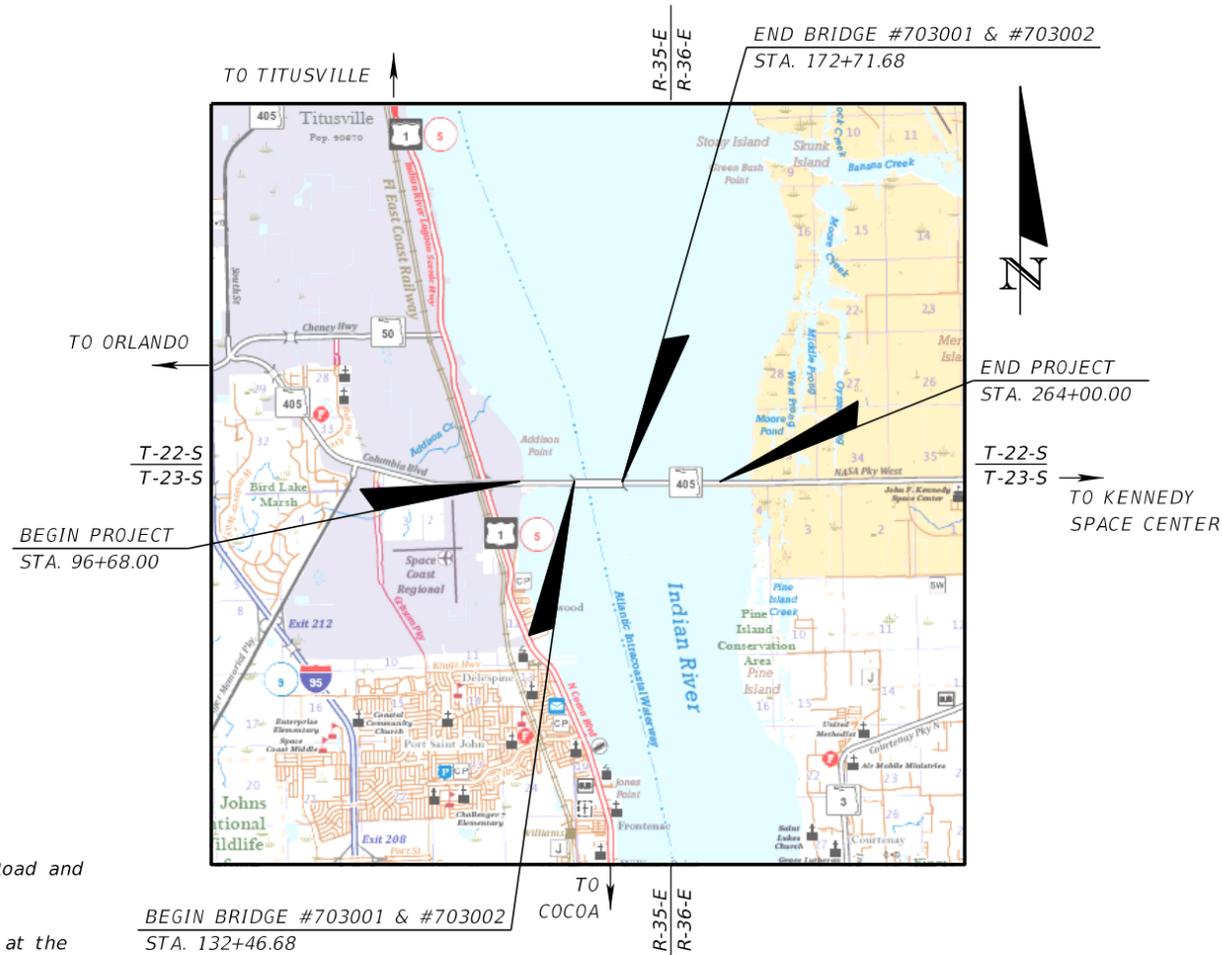
Florida Department of Transportation, FY 2020-21 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

Standard Plans for Bridge Construction are included in the Structures Plans Component

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2019 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>



LOCATION OF PROJECT

THIS ITEM HAS BEEN DIGITALLY  
SIGNED AND SEALED BY:

PRINTED COPIES OF THIS DOCUMENT ARE  
NOT CONSIDERED SIGNED AND SEALED.  
THE SIGNATURE MUST BE VERIFIED  
IN THE ELECTRONIC DOCUMENTS.

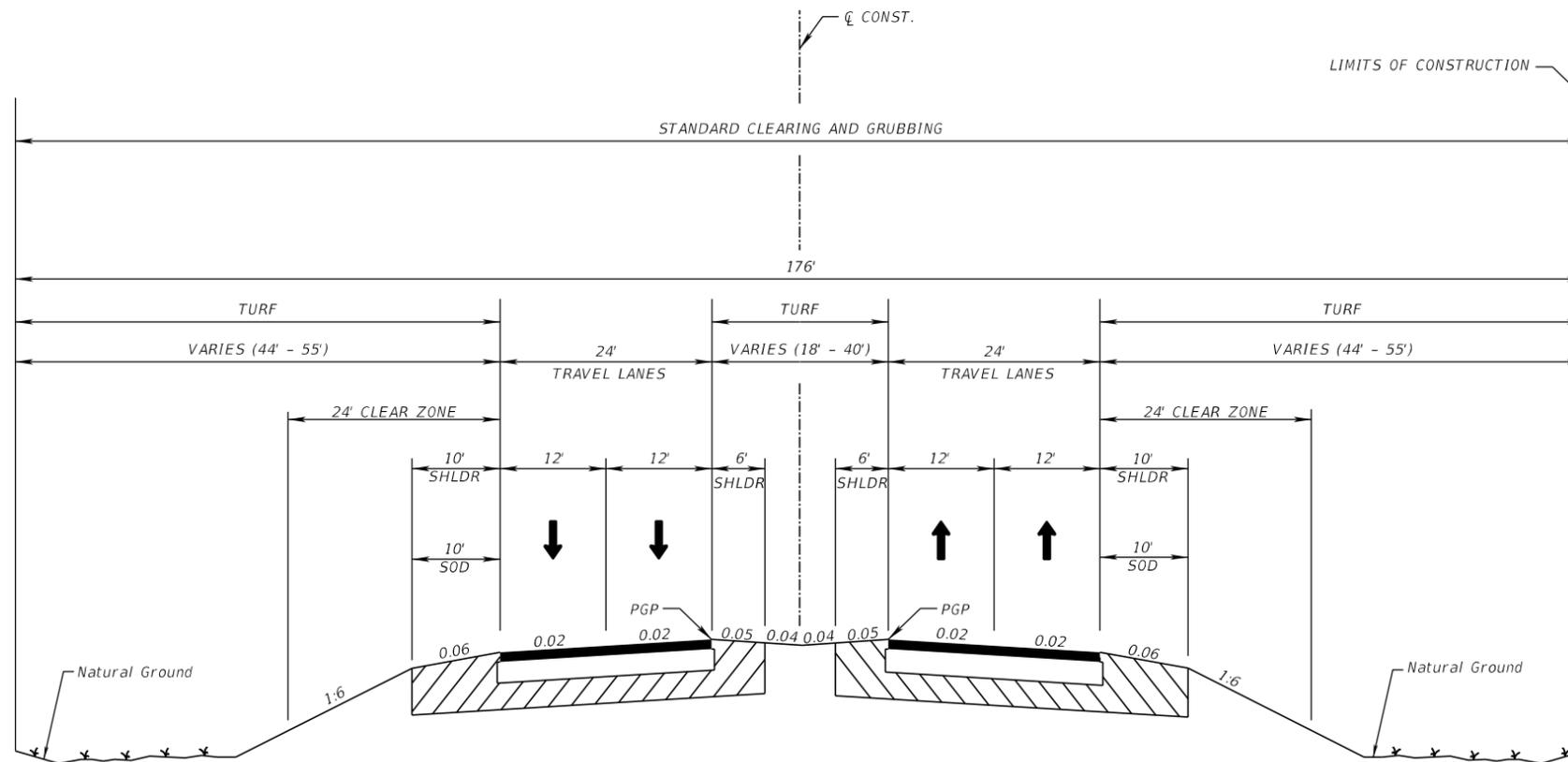
ROADWAY PLANS  
ENGINEER OF RECORD:

TYLER WALLUM, P.E.  
P.E. NO.: 77633  
VOLKERT INC.  
2300 MAITLAND CENTER PARKWAY, SUITE 122  
MAITLAND, FL 32751  
CONTRACT NO.: C9213  
VENDOR NO.: 63-024701  
CERTIFICATE OF AUTHORIZATION NO.: 04641

FDOT PROJECT MANAGER:

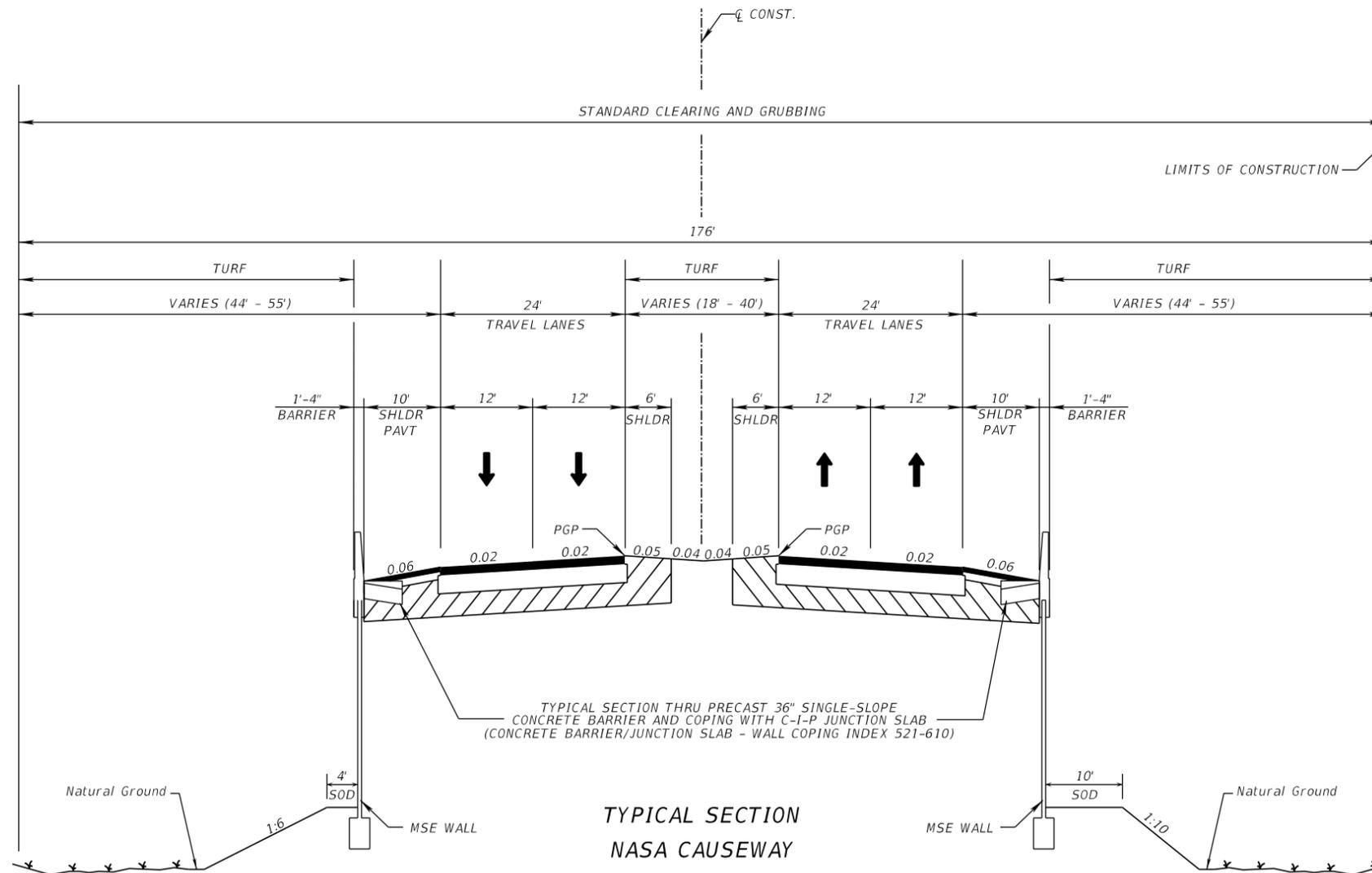
Ty Garner

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
	21	01



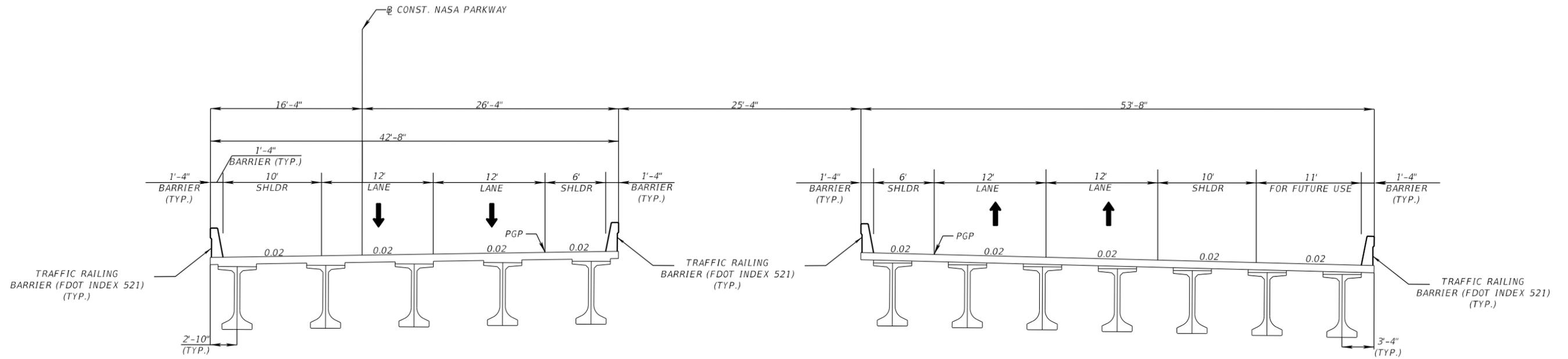
**TYPICAL SECTION**  
**NASA CAUSEWAY**  
**(DS = 50 MPH)**  
**STA. 96+68.00 TO STA. 123+60.99**  
**STA. 175+31.83 TO STA. 193+50.00**

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TYPICAL SECTION</b>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		2
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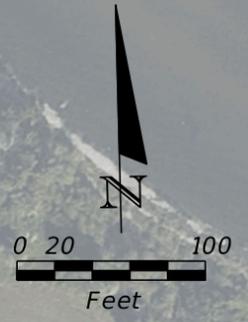
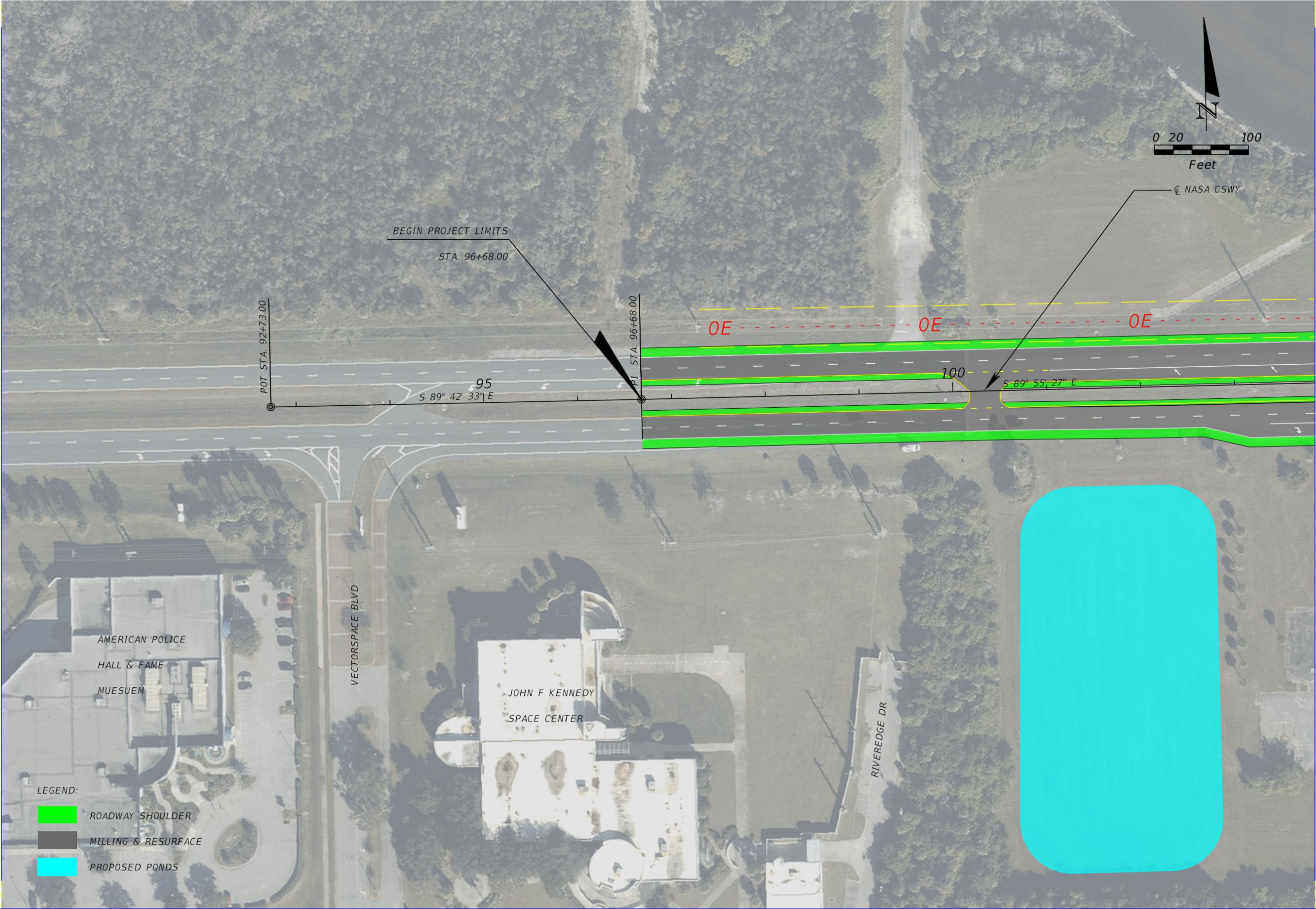
**TYPICAL SECTION  
NASA CAUSEWAY  
(DS = 50 MPH)**  
STA. 123+60.99 TO STA. 132+46.68  
STA. 172+71.68 TO STA. 175+31.83

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TYPICAL SECTION</b>	SHEET NO.  3
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				405	BREVARD	440424-1-52-01			



BRIDGE TYPICAL SECTION  
 (APPROACH SPAN UNITS)  
 STA 132+46.68 TO 149+20.68  
 STA 152+53.68 TO 172+71.68

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>TYPICAL SECTION</b>	SHEET NO.  4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
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92+73.00

103+86.08

- LEGEND:**
- ROADWAY SHOULDER
  - MILLING & RESURFACE
  - PROPOSED PONDS

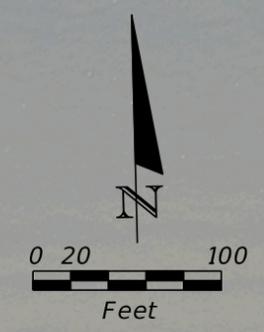
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

TYLER WALLUM, P.E.  
 P.E. LICENSE NUMBER 77633  
 VOLKERT, INC.  
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 MAITLAND, FL 32751  
 CERTIFICATE OF AUTHORIZATION 00004641

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
405	BREVARD	440424-1-52-01

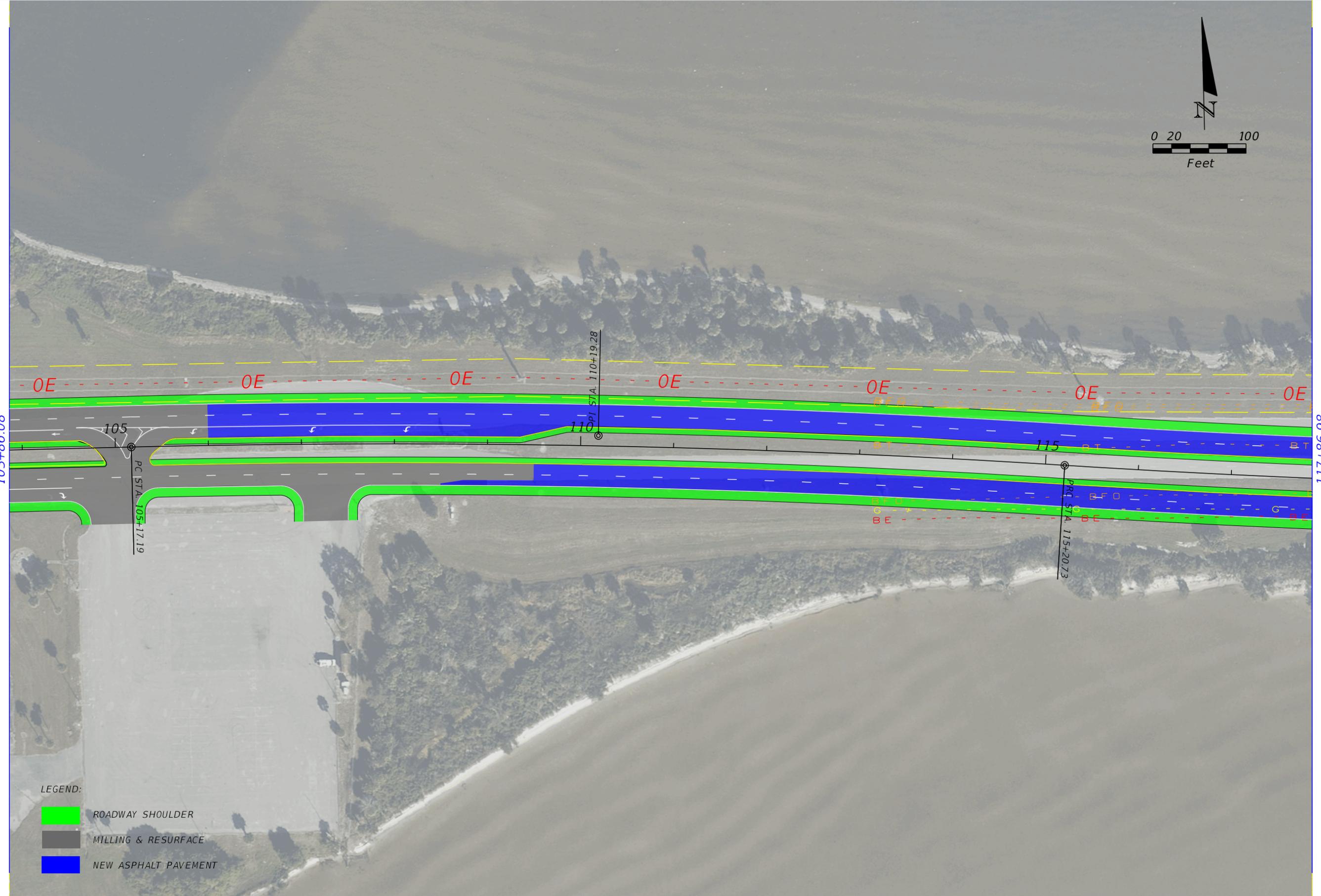
ROADWAY PLANS

SHEET NO.  
**5**



103+86.08

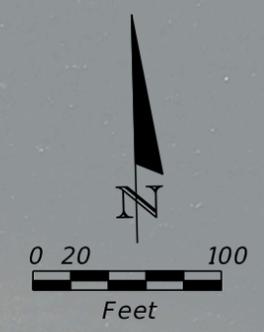
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LEGEND:

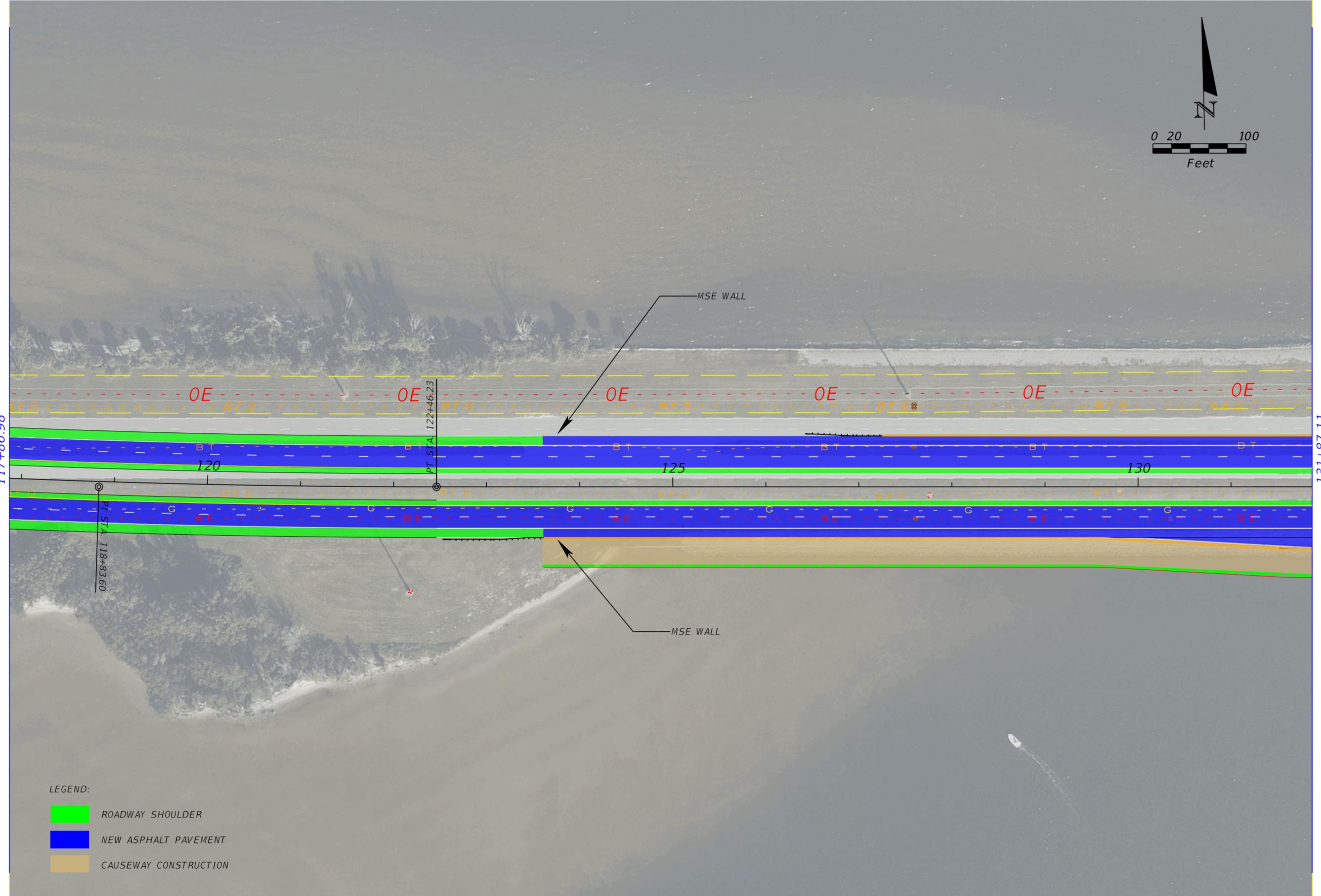
	ROADWAY SHOULDER
	MILLING & RESURFACE
	NEW ASPHALT PAVEMENT

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<h2 style="margin: 0;">ROADWAY PLANS</h2>	SHEET NO.
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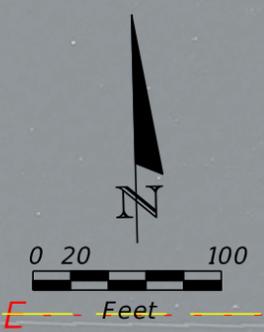
117+86.98

131+87.11



- LEGEND:
- ROADWAY SHOULDER
  - NEW ASPHALT PAVEMENT
  - CAUSEWAY CONSTRUCTION

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<h2 style="margin: 0;">ROADWAY PLANS</h2>	SHEET NO.
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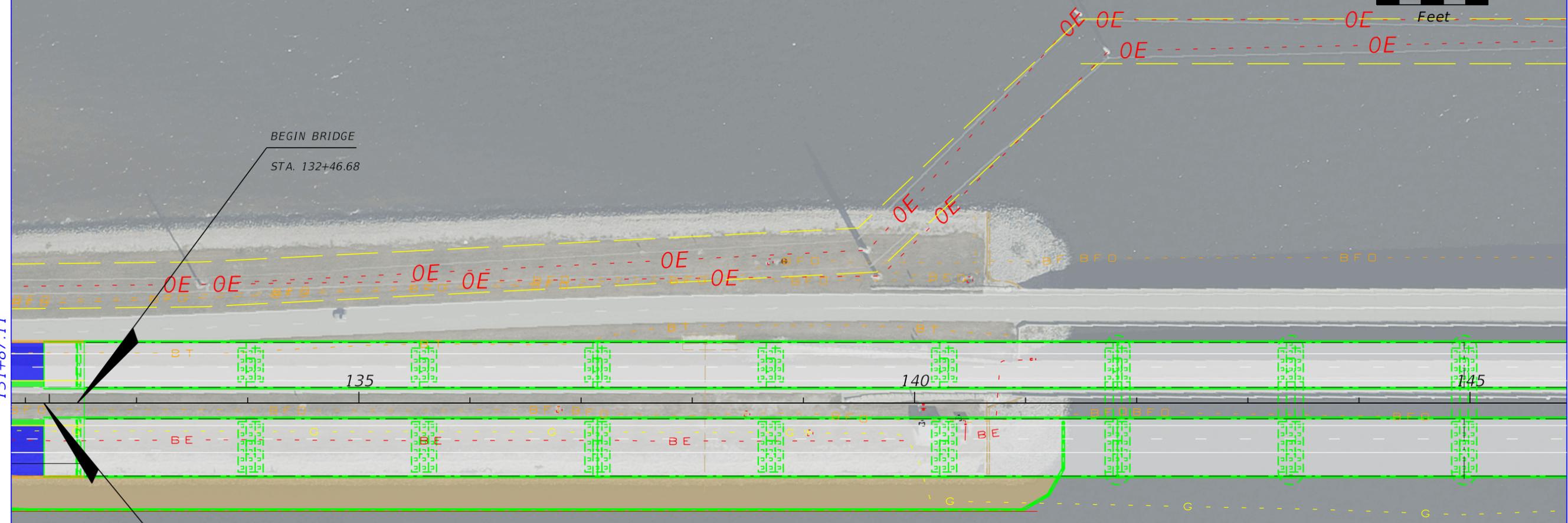
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145+87.11

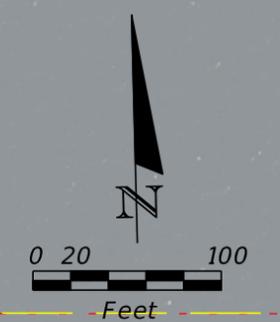
BEGIN BRIDGE  
STA. 132+46.68

BEGIN APPROACH SLAB  
STA. 132+16.68

- LEGEND:
- ROADWAY SHOULDER
  - NEW ASPHALT PAVEMENT
  - CAUSEWAY CONSTRUCTION
  - BRIDGE

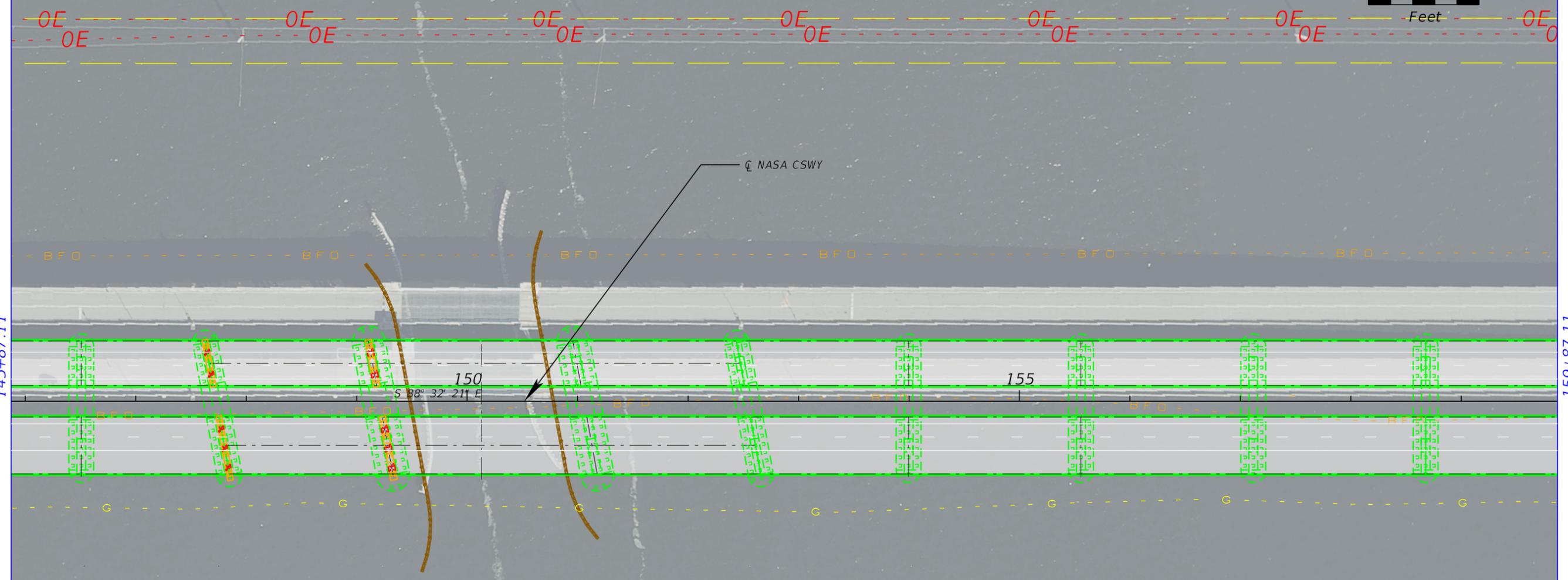


REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<h2 style="margin: 0;">ROADWAY PLANS</h2>	SHEET NO.
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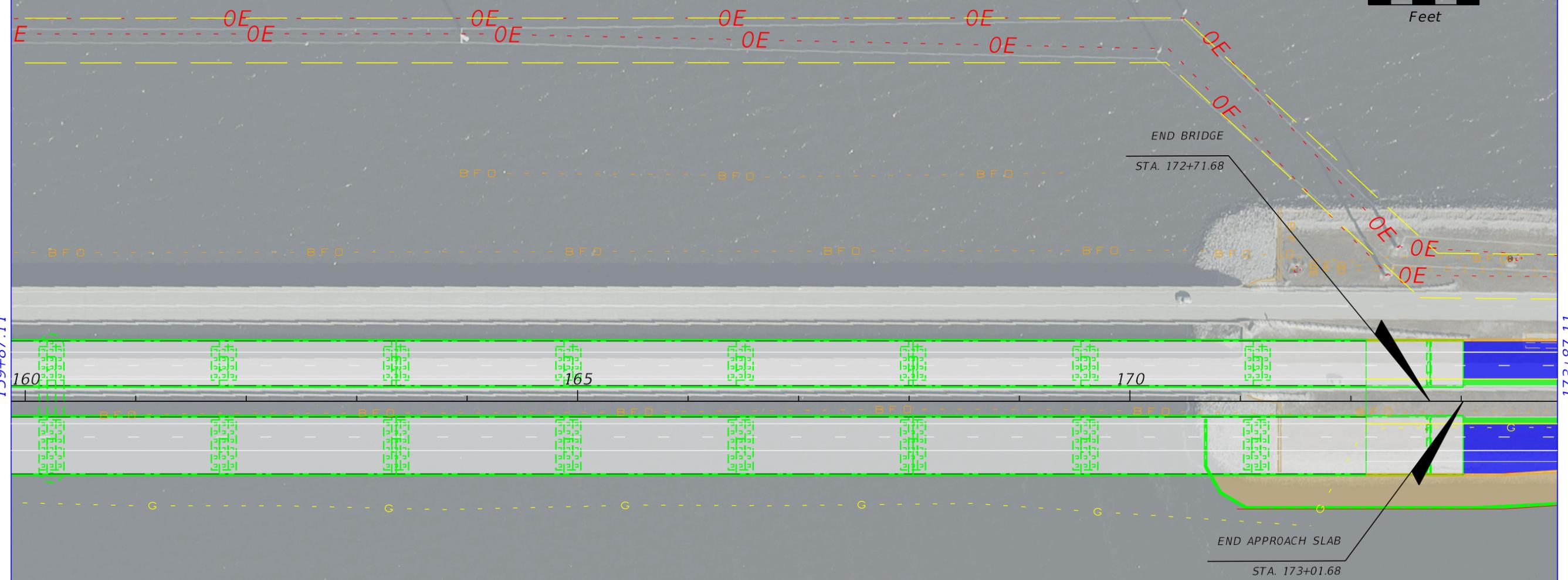
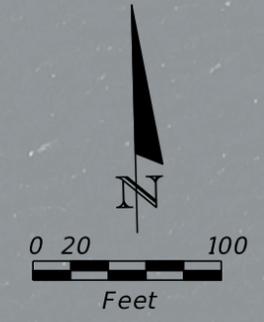
145+87.11

159+87.11



LEGEND:  
 BRIDGE

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>ROADWAY PLANS</b>	SHEET NO.  <b>9</b>
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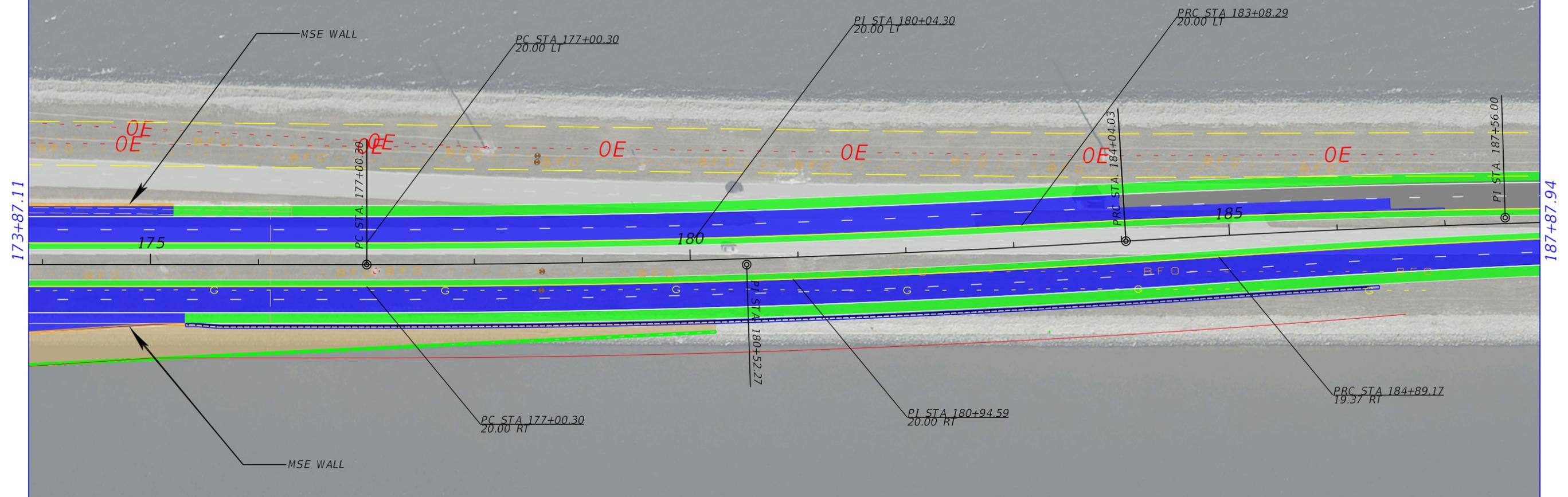
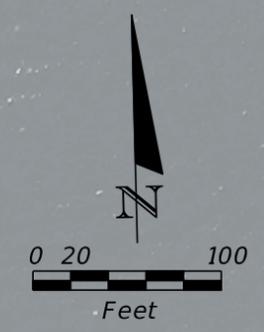


159+87.11

173+87.11

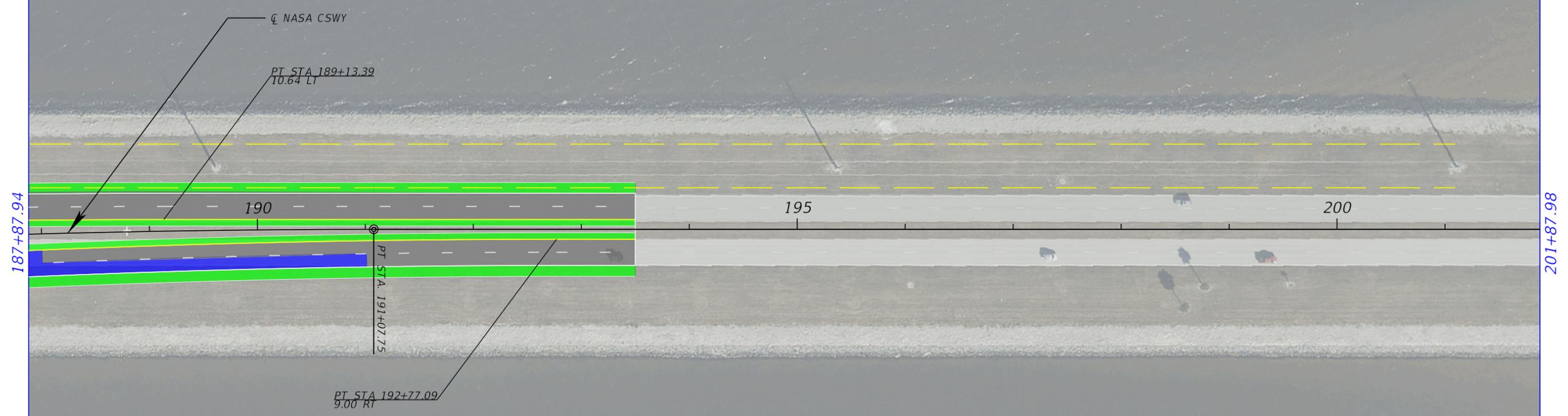
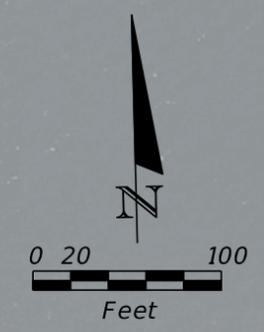
- LEGEND:
- ROADWAY SHOULDER
  - NEW ASPHALT PAVEMENT
  - CAUSEWAY CONSTRUCTION
  - BRIDGE

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<h2 style="margin: 0;">ROADWAY PLANS</h2>	SHEET NO.
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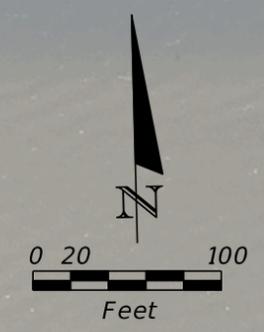
- LEGEND:
- ROADWAY SHOULDER
  - NEW ASPHALT PAVEMENT
  - CAUSEWAY CONSTRUCTION
  - MILLING & RESURFACE

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<h2 style="margin: 0;">ROADWAY PLANS</h2>	SHEET NO.
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- LEGEND:
- ROADWAY SHOULDER
  - NEW ASPHALT PAVEMENT
  - MILLING & RESURFACE

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<h2 style="margin: 0;">ROADWAY PLANS</h2>	SHEET NO.  12
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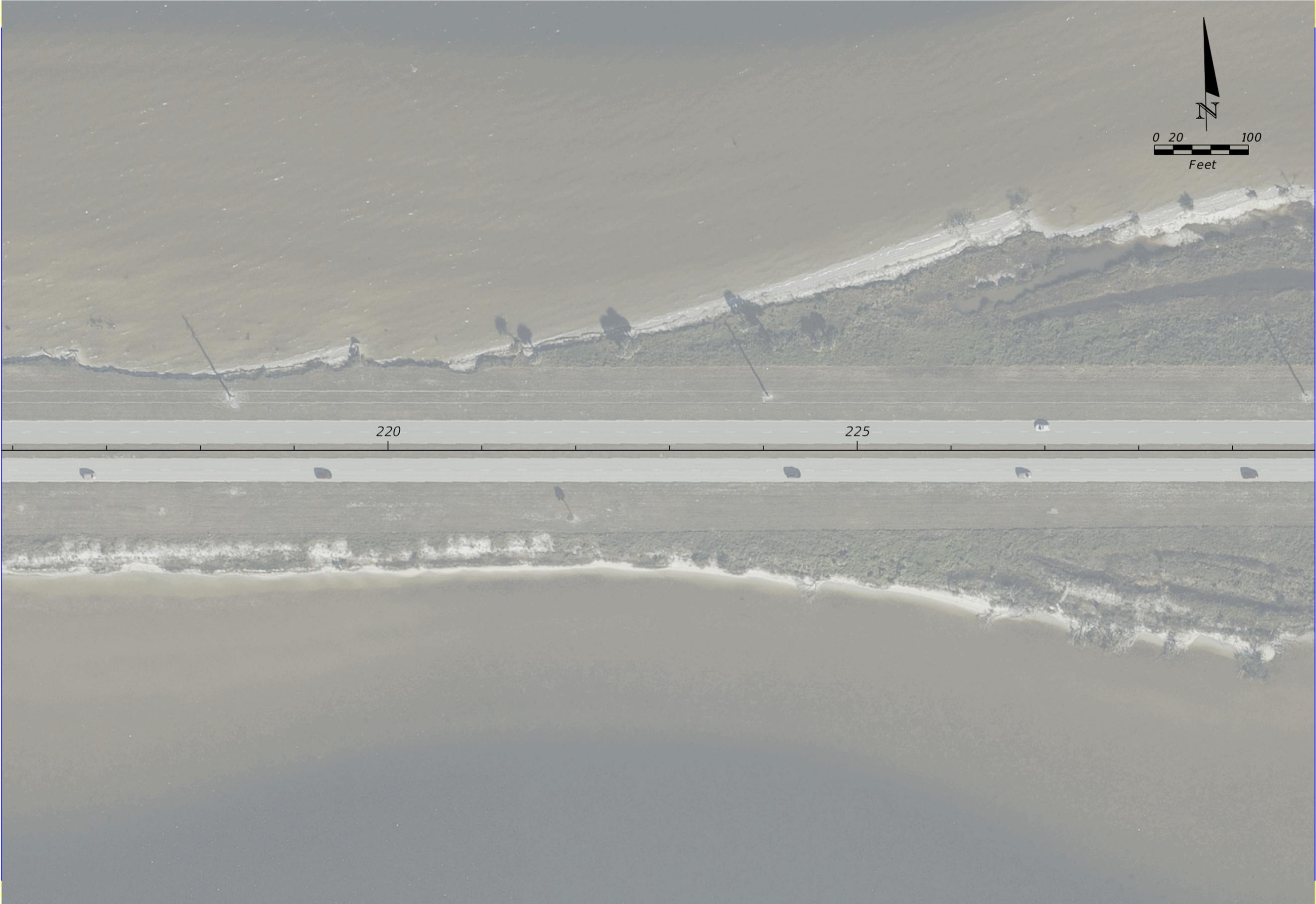


201+87.98

215+87.98



REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<b>ROADWAY PLANS</b>	SHEET NO.  13
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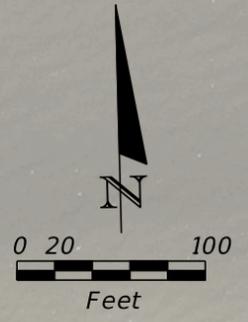


215+87.98

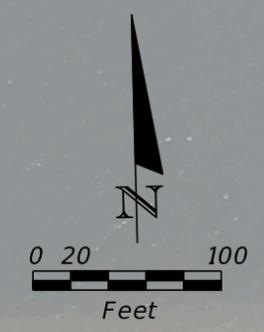
229+87.98

220

225



REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			SHEET NO.  14
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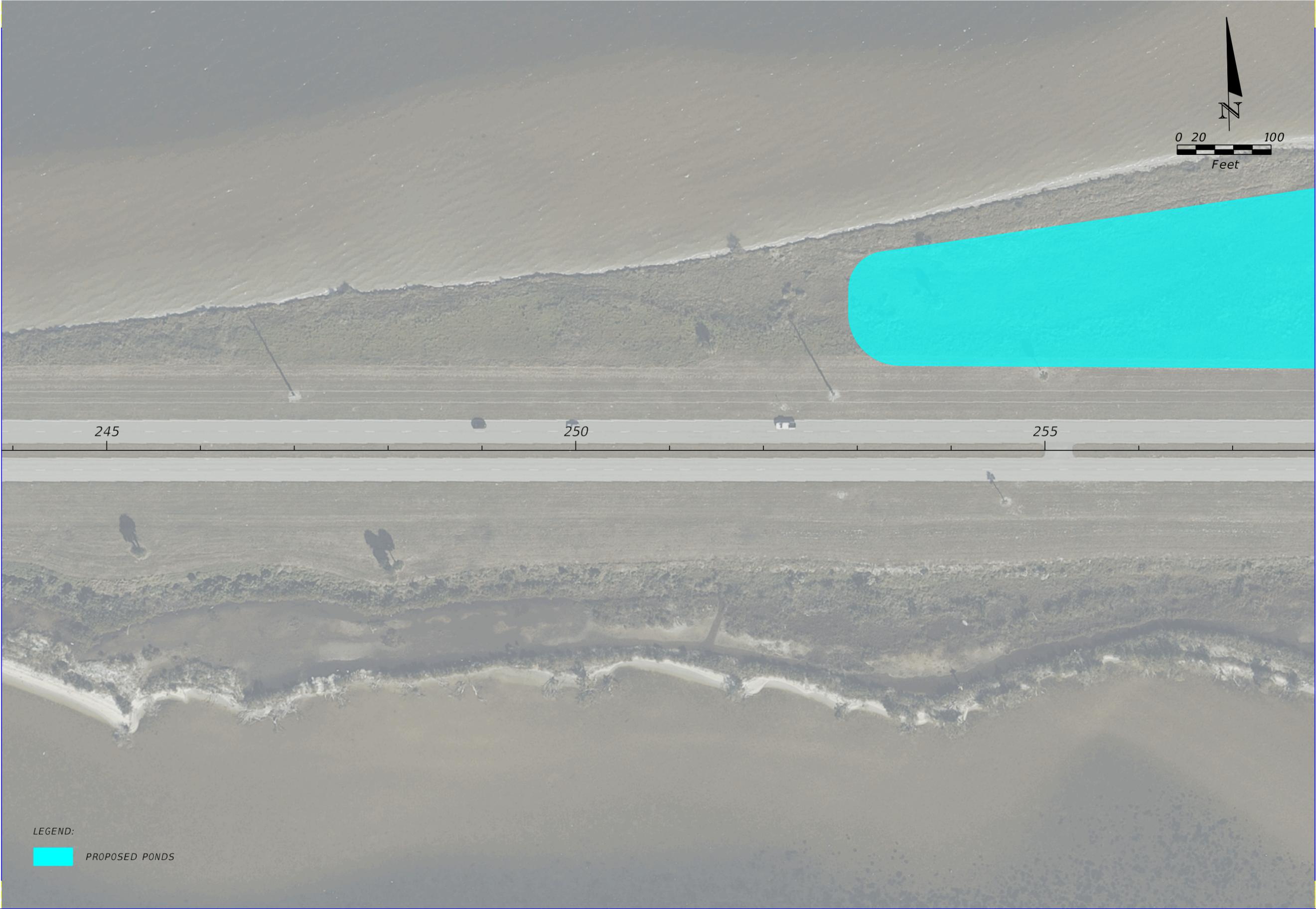


229+87.98

243+87.98



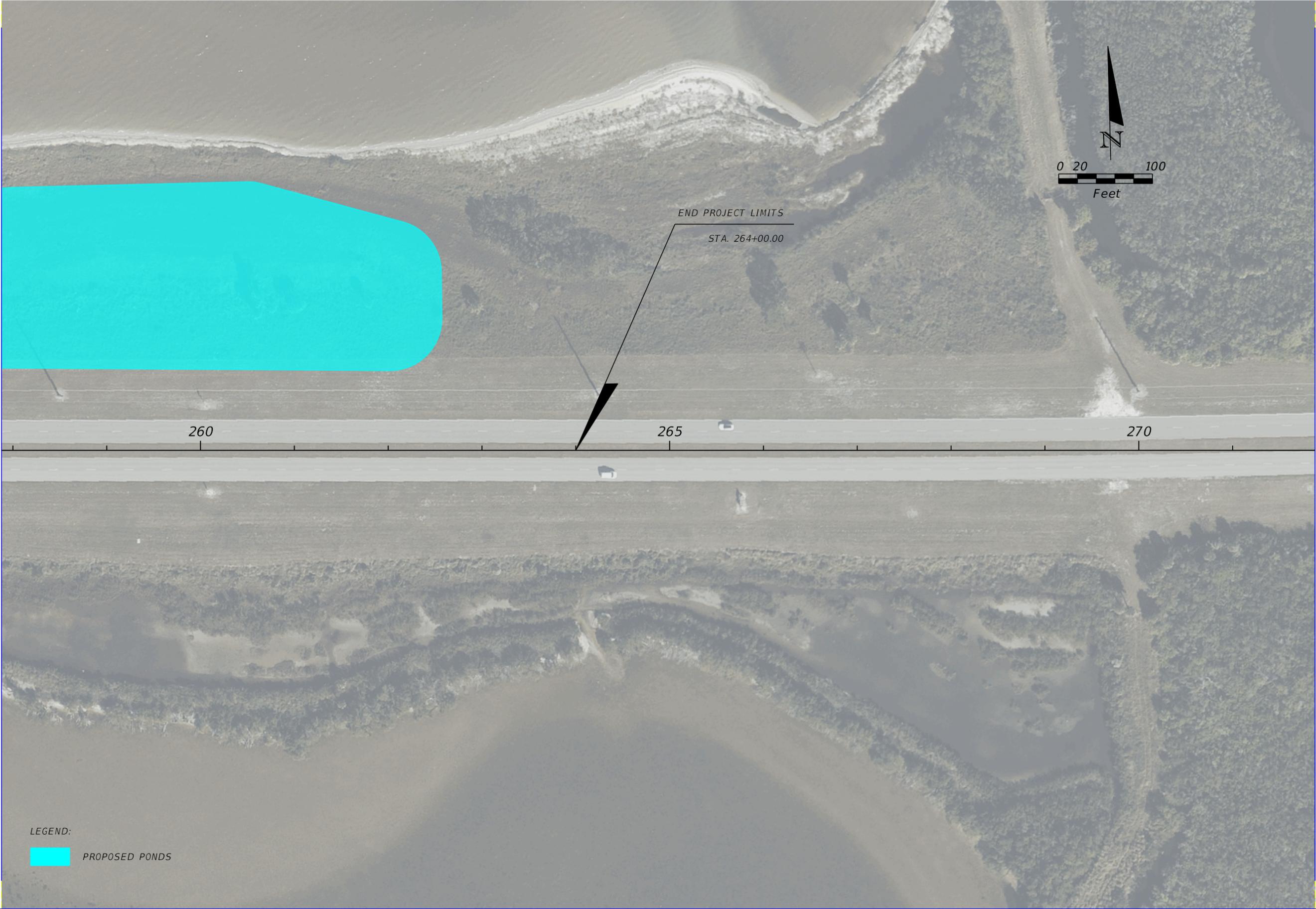
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DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
				405	BREVARD	440424-1-52-01			



LEGEND:

PROPOSED PONDS

DATE		DESCRIPTION		REVISIONS		TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641			STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			ROADWAY PLANS	SHEET NO.  16
						ROAD NO.	COUNTY	FINANCIAL PROJECT ID					
						405	BREVARD	440424-1-52-01					



LEGEND:

PROPOSED PONDS

REVISIONS				TYLER WALLUM, P.E. P.E. LICENSE NUMBER 77633 VOLKERT, INC. 2300 MAITLAND CENTER PARKWAY, STE 122 MAITLAND, FL 32751 CERTIFICATE OF AUTHORIZATION 00004641	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			<h2 style="margin: 0;">ROADWAY PLANS</h2>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		17
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