

# Appendix A

## Figures

# Carolina Bays

Parkway Extension  
North Carolina + South Carolina



NCDOT Project R-5876  
Brunswick County



SCDOT Project P029554  
Horry County

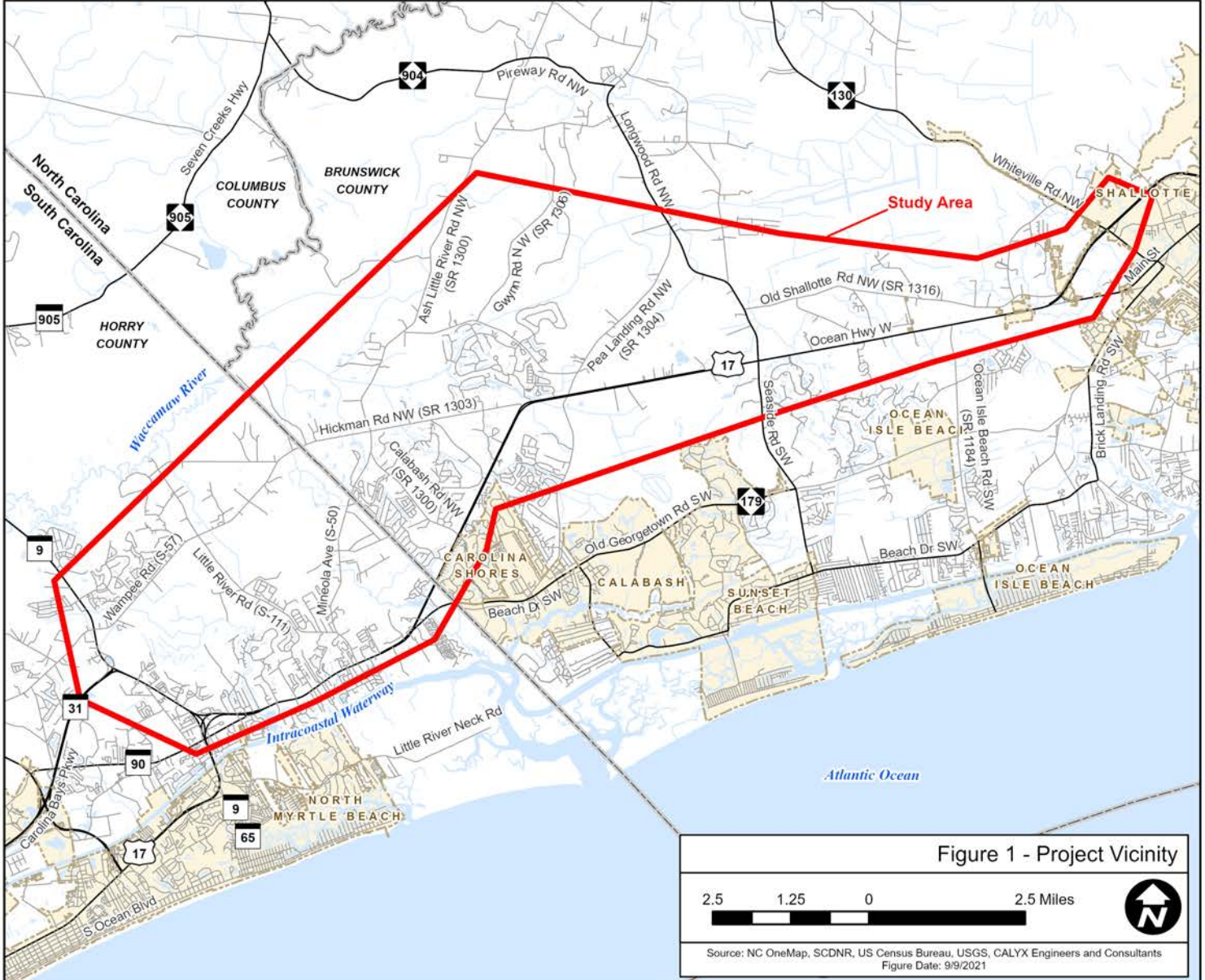
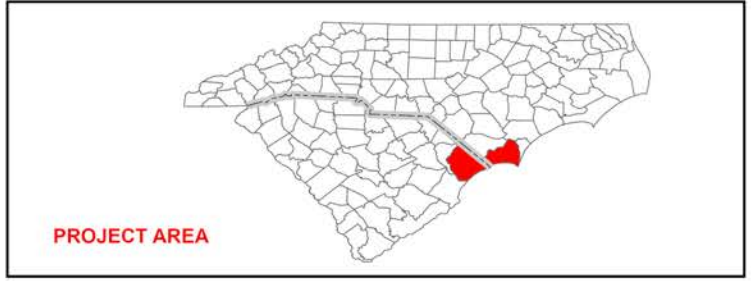
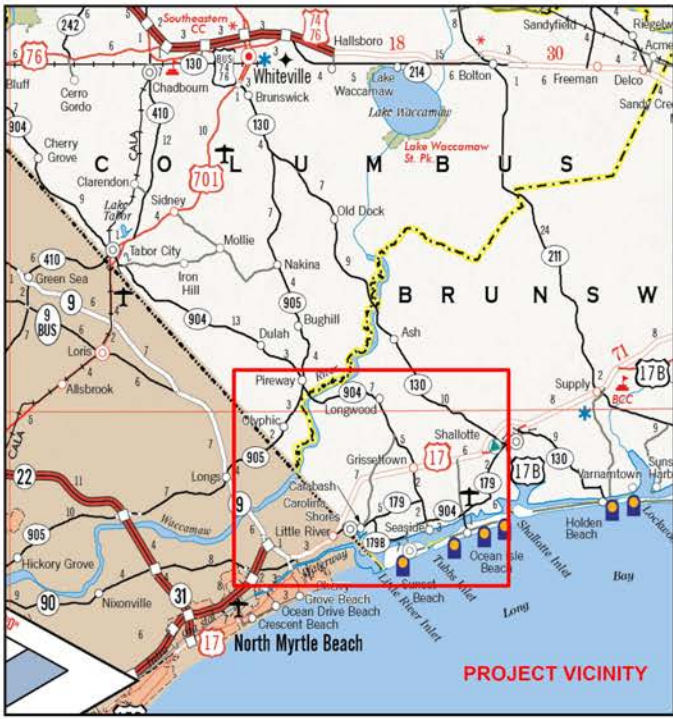


Figure 1 - Project Vicinity



Source: NC OneMap, SCDNR, US Census Bureau, USGS, CALYX Engineers and Consultants  
Figure Date: 9/9/2021

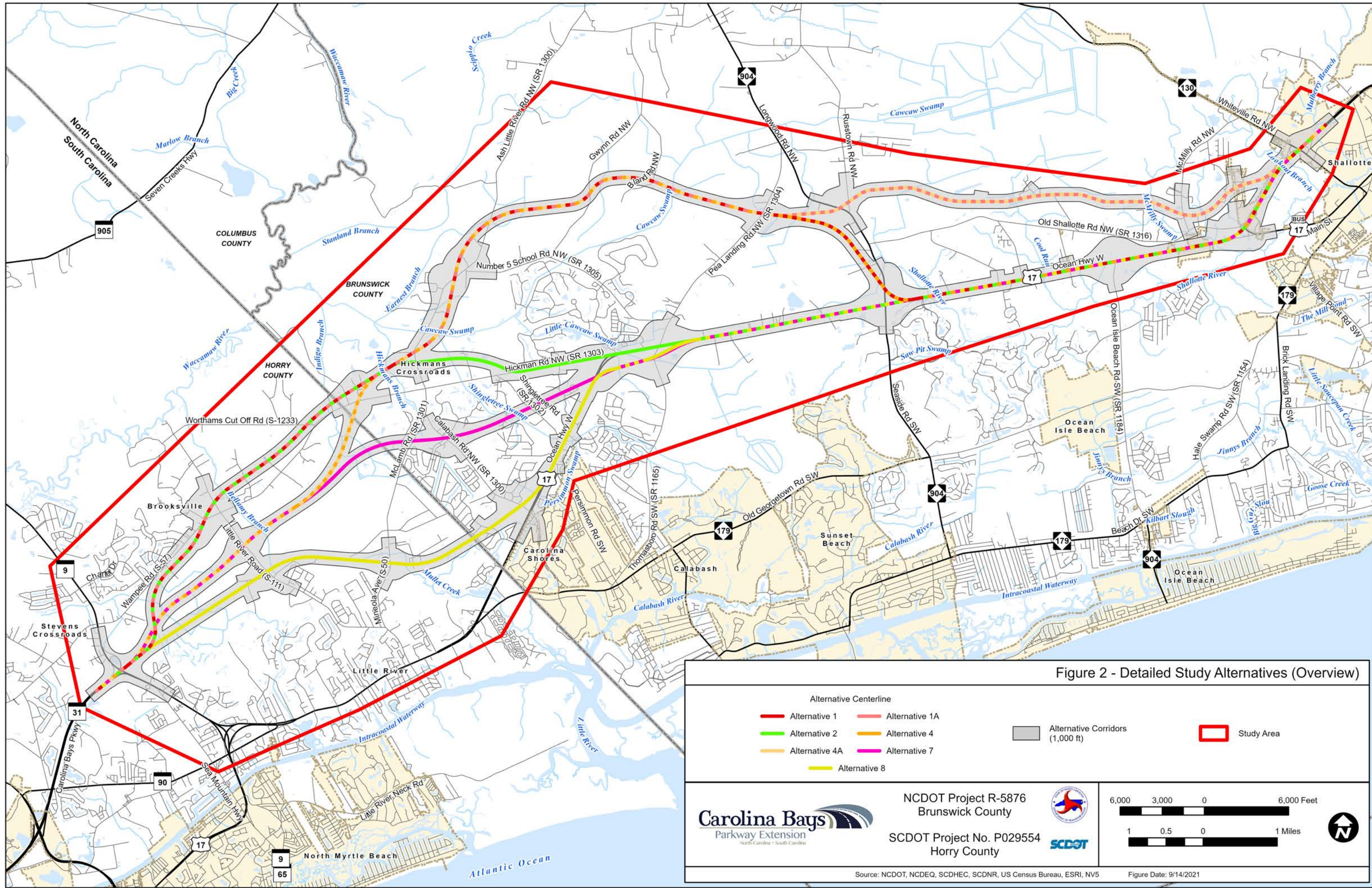


Figure 2 - Detailed Study Alternatives (Overview)

Alternative Centerline		Alternative Corridors (1,000 ft)	Study Area
Alternative 1	Alternative 1A		
Alternative 2	Alternative 4		
Alternative 4A	Alternative 7		
Alternative 8			



NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County






6,000 3,000 0 6,000 Feet

1 0.5 0 1 Miles



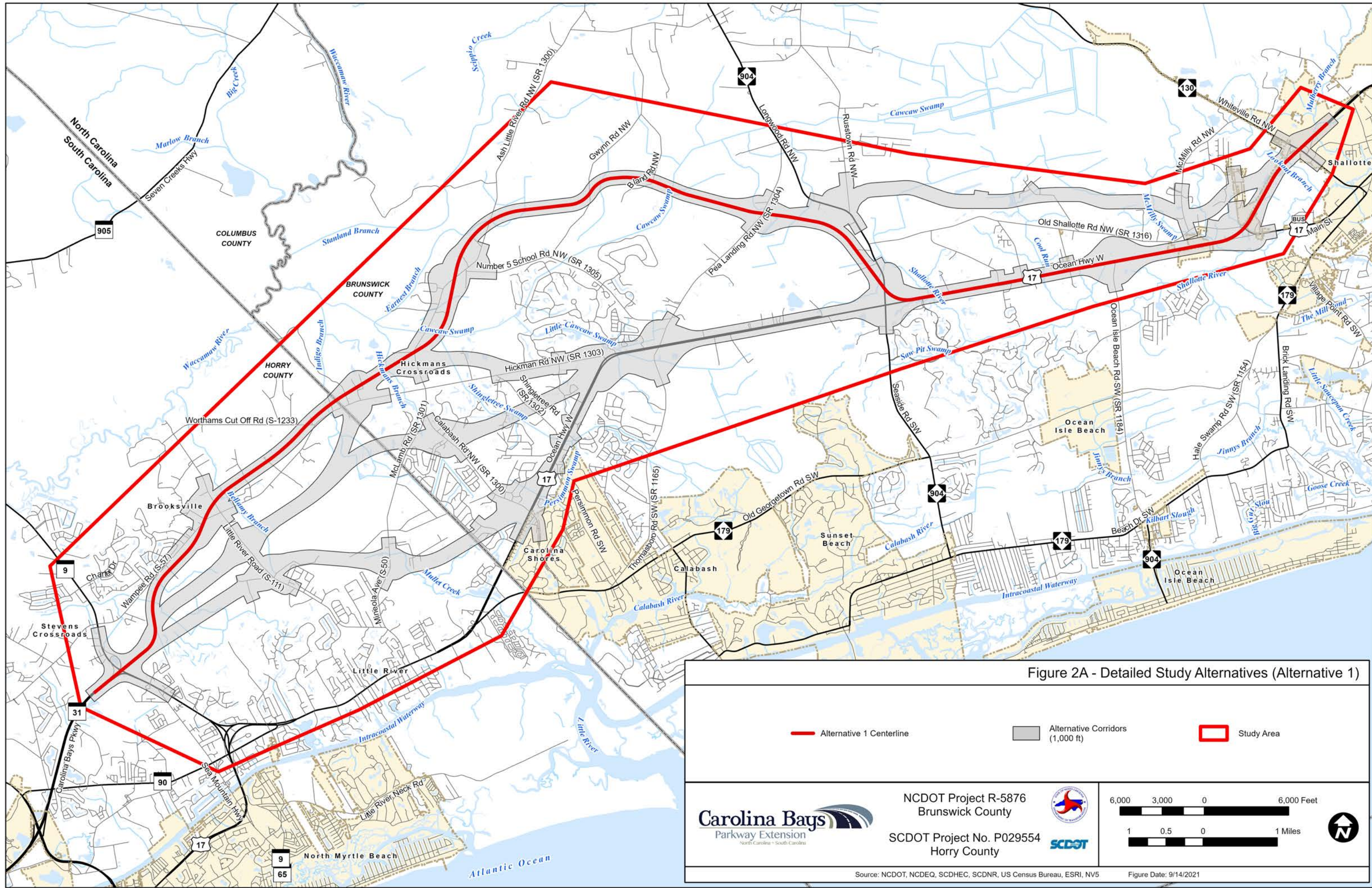
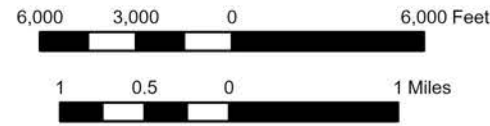


Figure 2A - Detailed Study Alternatives (Alternative 1)

- Alternative 1 Centerline
- Alternative Corridors (1,000 ft)
- Study Area



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Source: NCDOT, NCDEQ, SCDHEC, SCDNR, US Census Bureau, ESRI, NV5

Figure Date: 9/14/2021

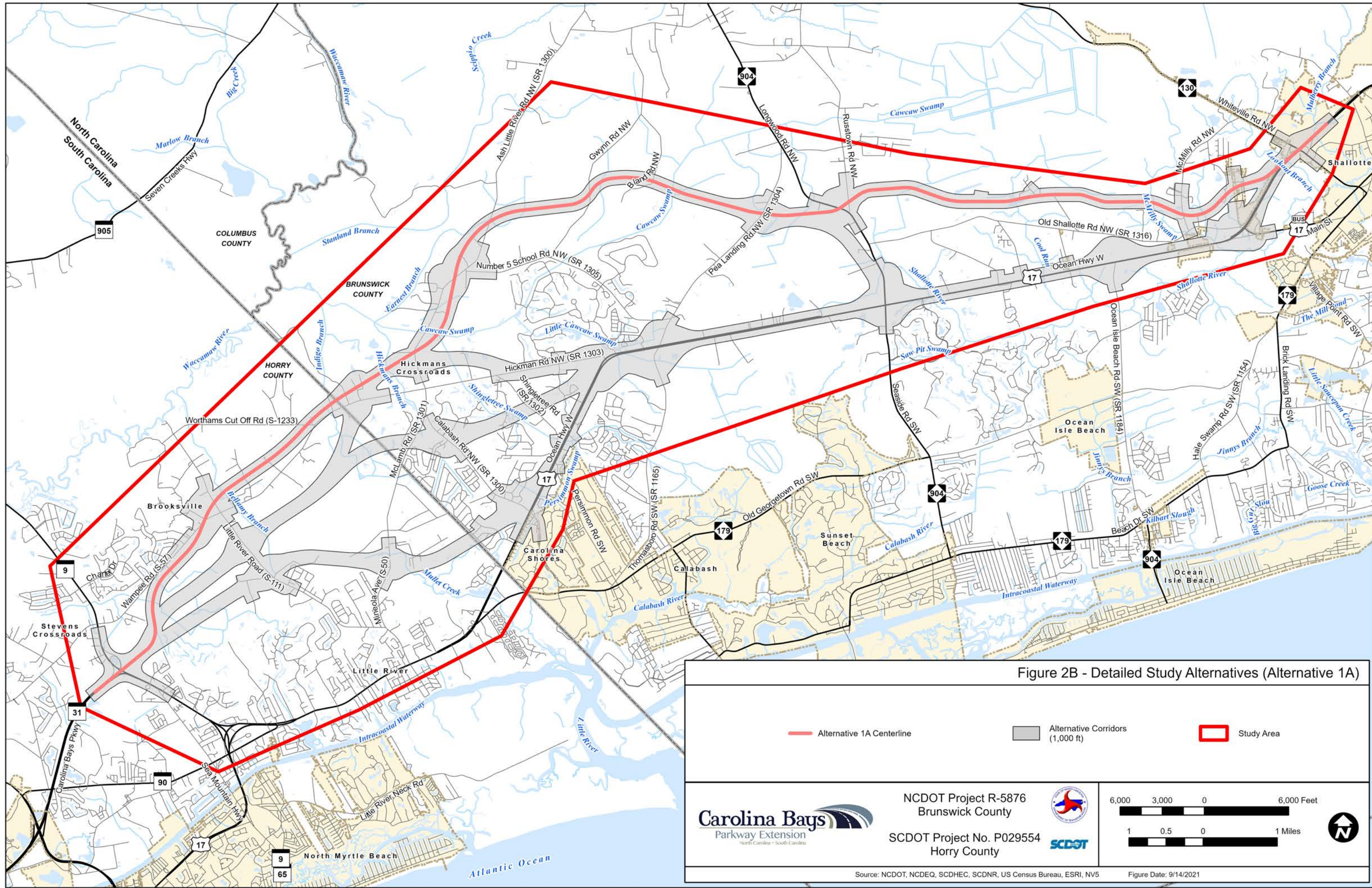


Figure 2B - Detailed Study Alternatives (Alternative 1A)

- Alternative 1A Centerline
- Alternative Corridors (1,000 ft)
- Study Area



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Horry County



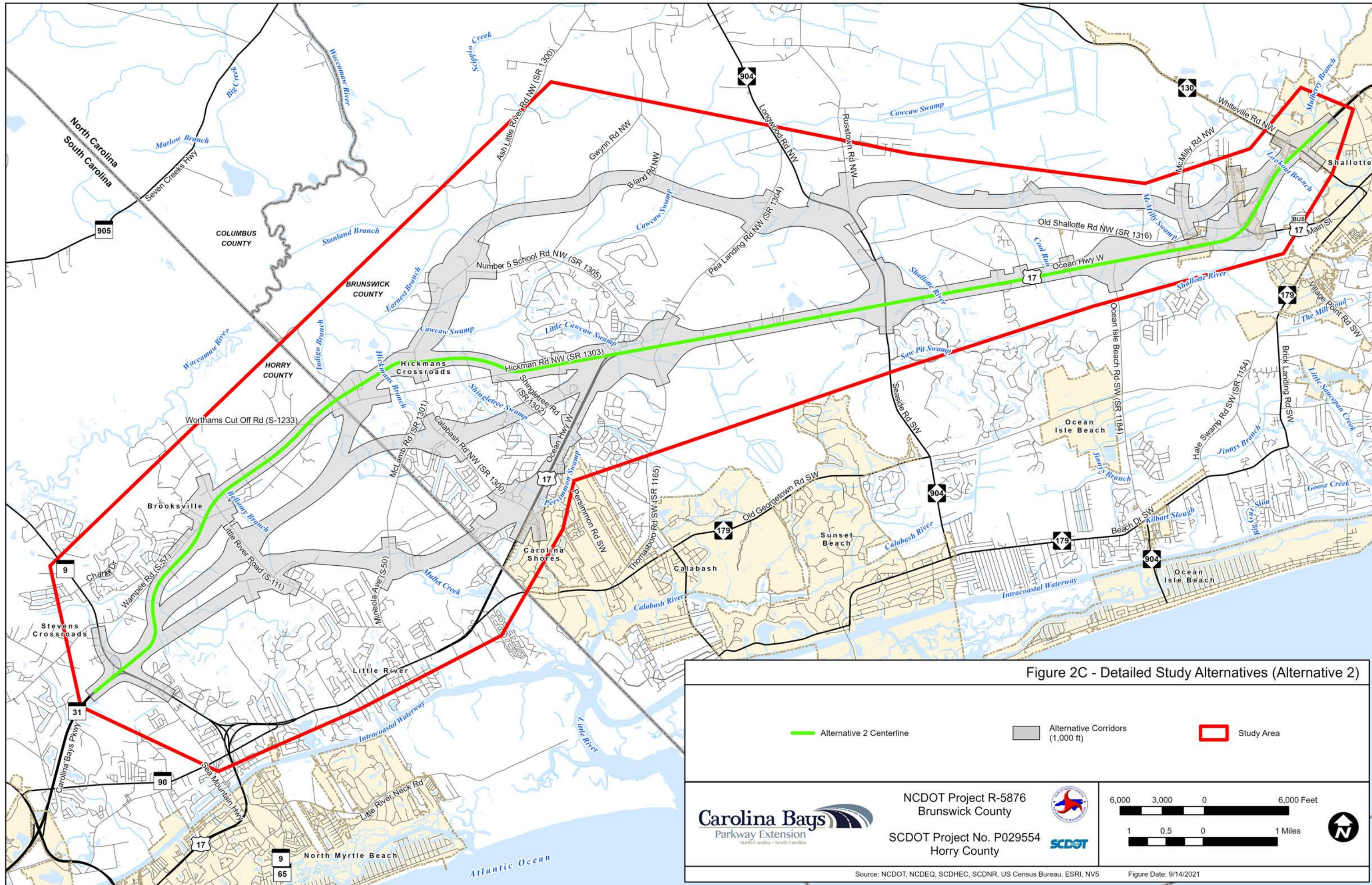

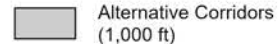



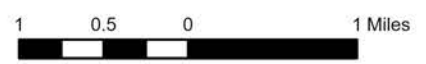


Figure 2C - Detailed Study Alternatives (Alternative 2)

 Alternative 2 Centerline	 Alternative Corridors (1,000 ft)	 Study Area
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	NCDOT Project R-5876 Brunswick County			
	SCDOT Project No. P029554 Horry County			
Source: NCDOT, NCDEQ, SCDHEC, SCDNR, US Census Bureau, ESRI, NV5			Figure Date: 9/14/2021	

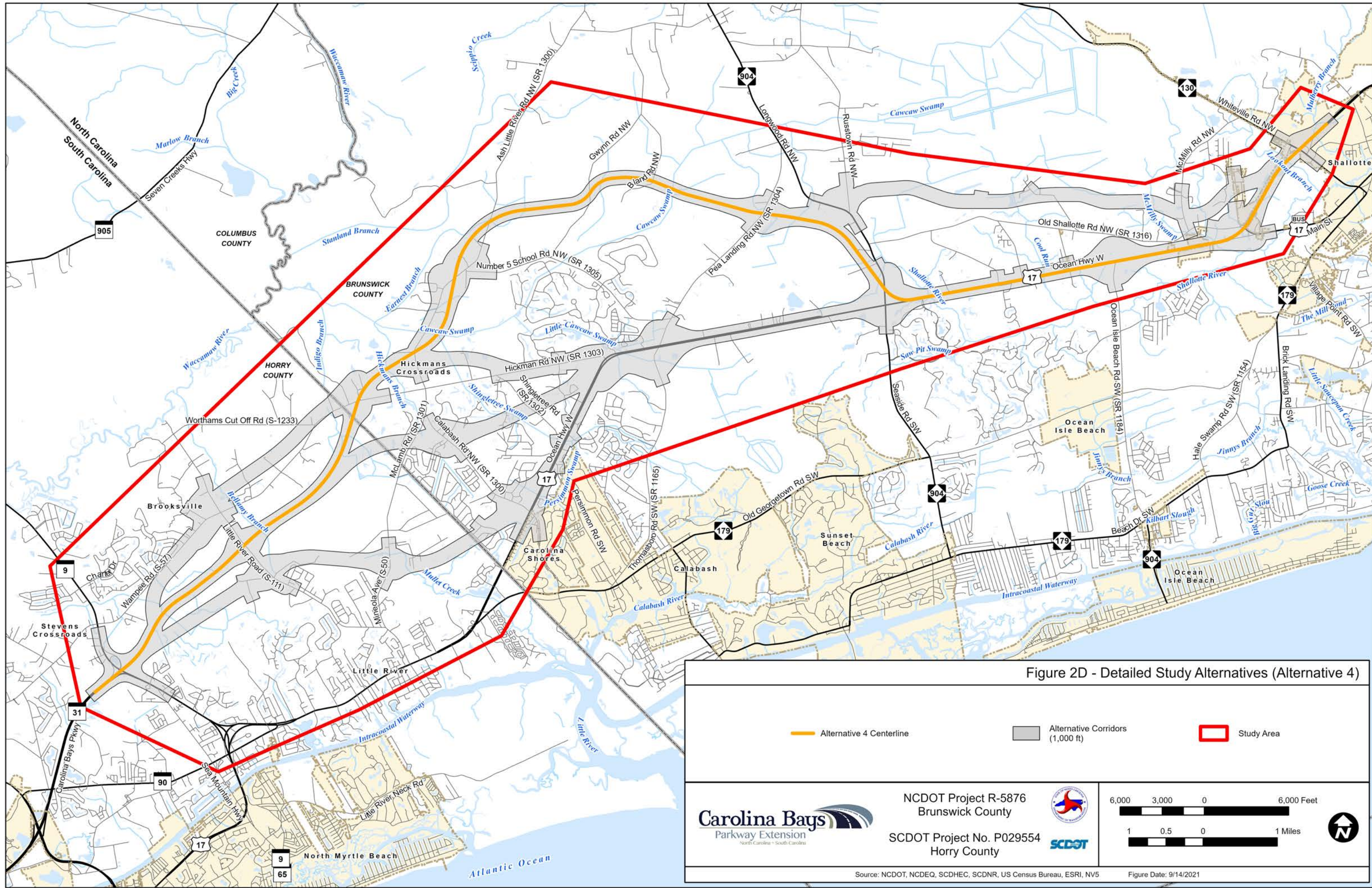





Figure 2D - Detailed Study Alternatives (Alternative 4)

 Alternative 4 Centerline	 Alternative Corridors (1,000 ft)	 Study Area
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	<p>NCDOT Project R-5876 Brunswick County</p> <p>SCDOT Project No. P029554 Horry County</p>			
				

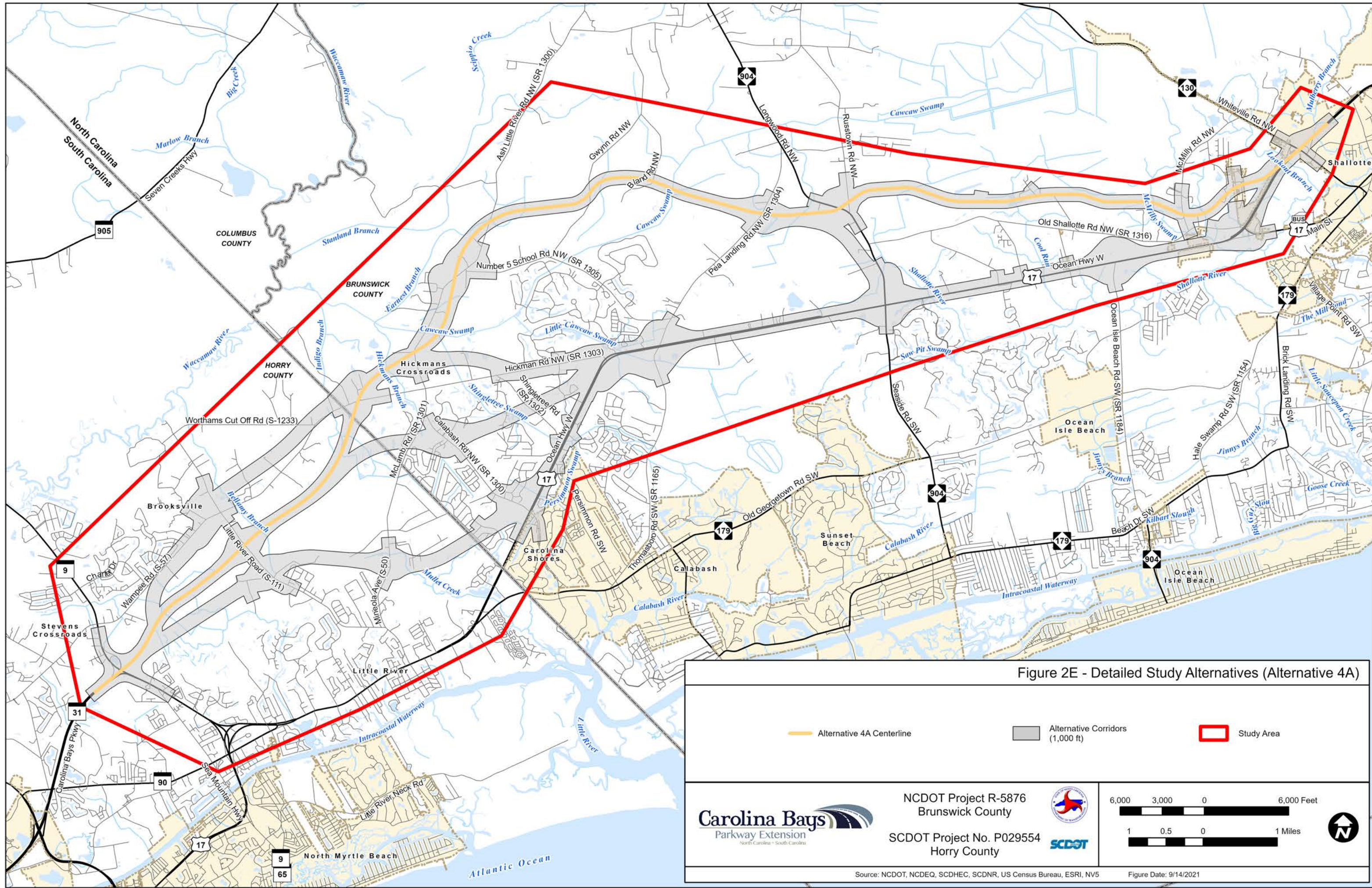





Figure 2E - Detailed Study Alternatives (Alternative 4A)

 Alternative 4A Centerline	 Alternative Corridors (1,000 ft)	 Study Area
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	<p>NCDOT Project R-5876 Brunswick County</p> <p>SCDOT Project No. P029554 Horry County</p>			
				

Source: NCDOT, NCDEQ, SCDHEC, SCDNR, US Census Bureau, ESRI, NV5

Figure Date: 9/14/2021



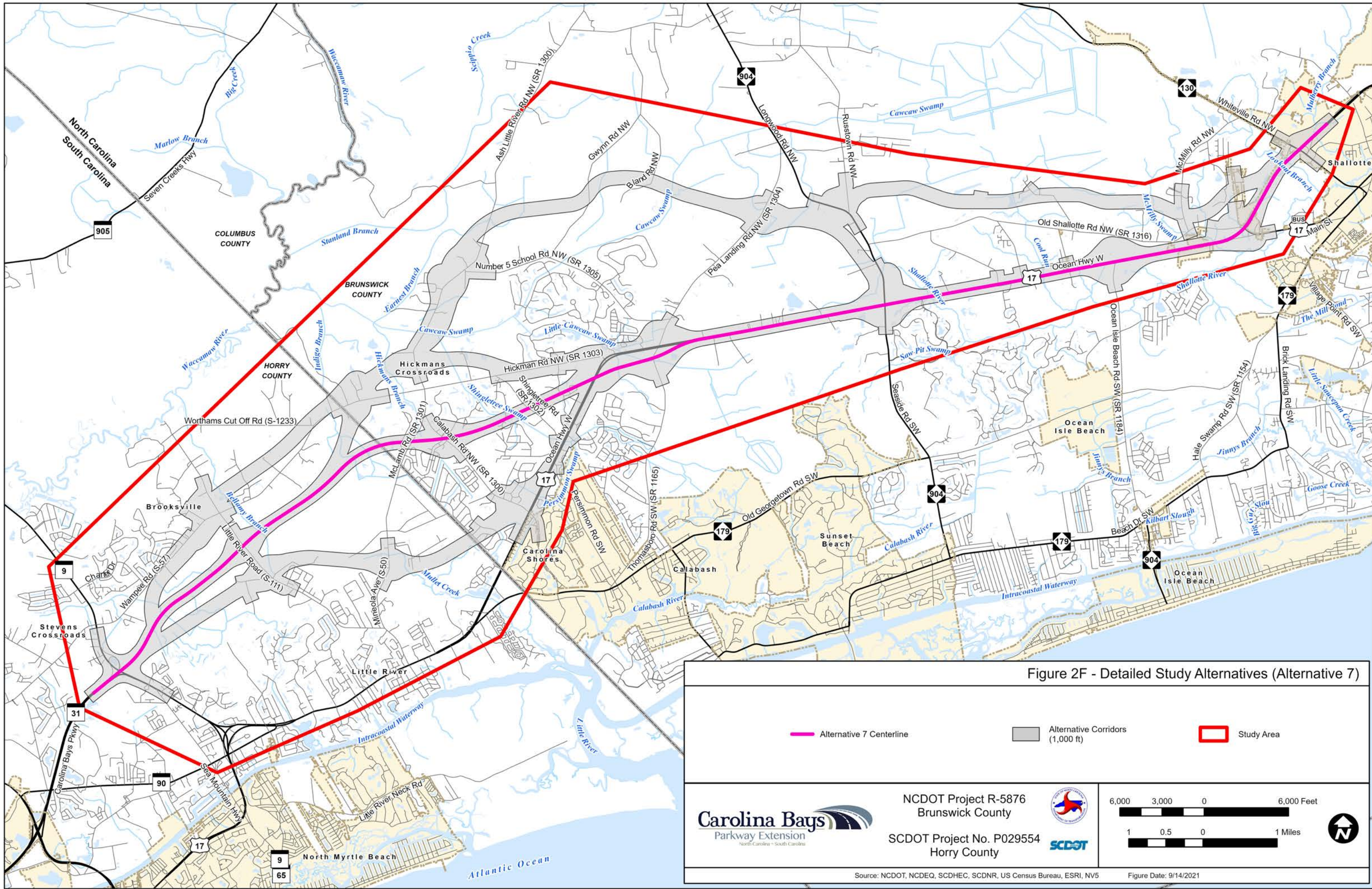


Figure 2F - Detailed Study Alternatives (Alternative 7)

- Alternative 7 Centerline
- Alternative Corridors (1,000 ft)
- Study Area



NCDOT Project R-5876  
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Horry County



Source: NCDOT, NCDEQ, SCDHEC, SCDNR, US Census Bureau, ESRI, NV5

Figure Date: 9/14/2021

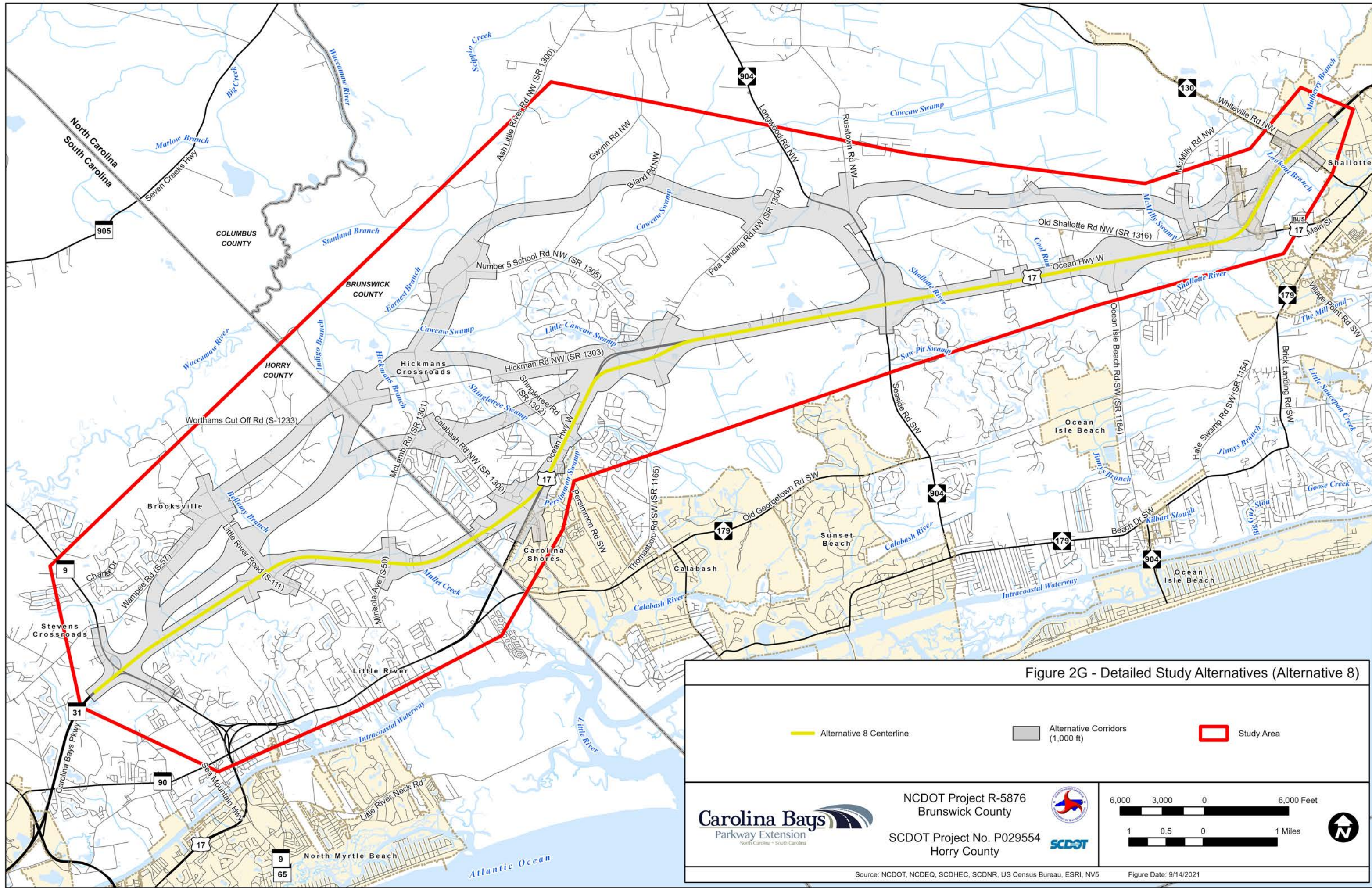


Figure 2G - Detailed Study Alternatives (Alternative 8)

— Alternative 8 Centerline
 ■ Alternative Corridors (1,000 ft)
□ Study Area

Carolina Bays  
Parkway Extension  
North Carolina • South Carolina

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

6,000 3,000 0 6,000 Feet

1 0.5 0 1 Miles

Source: NCDOT, NCDEQ, SCDHEC, SCDNR, US Census Bureau, ESRI, NV5 Figure Date: 9/14/2021

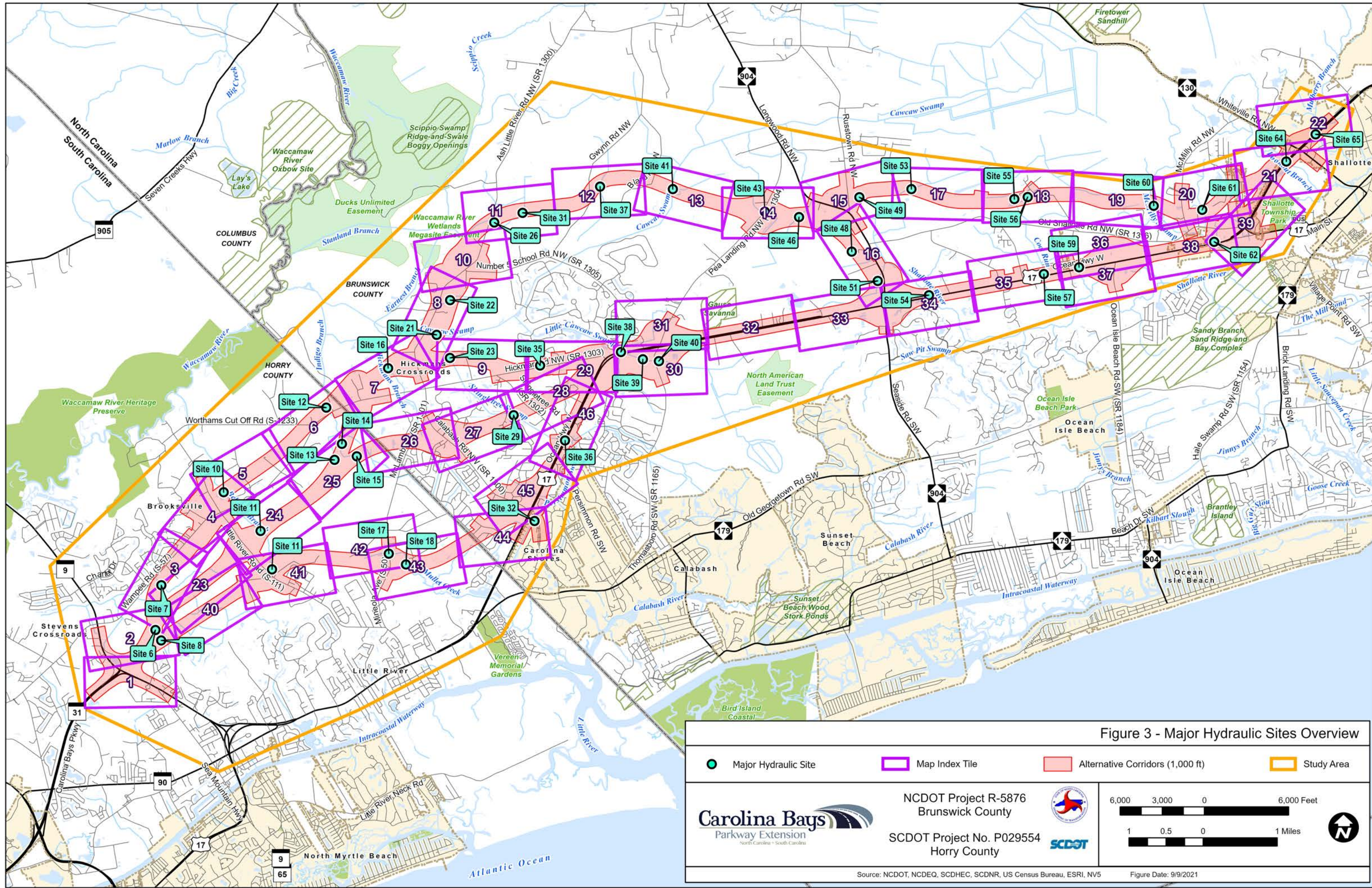


Figure 3 - Major Hydraulic Sites Overview

- Major Hydraulic Site
- Map Index Tile
- Alternative Corridors (1,000 ft)
- Study Area



NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

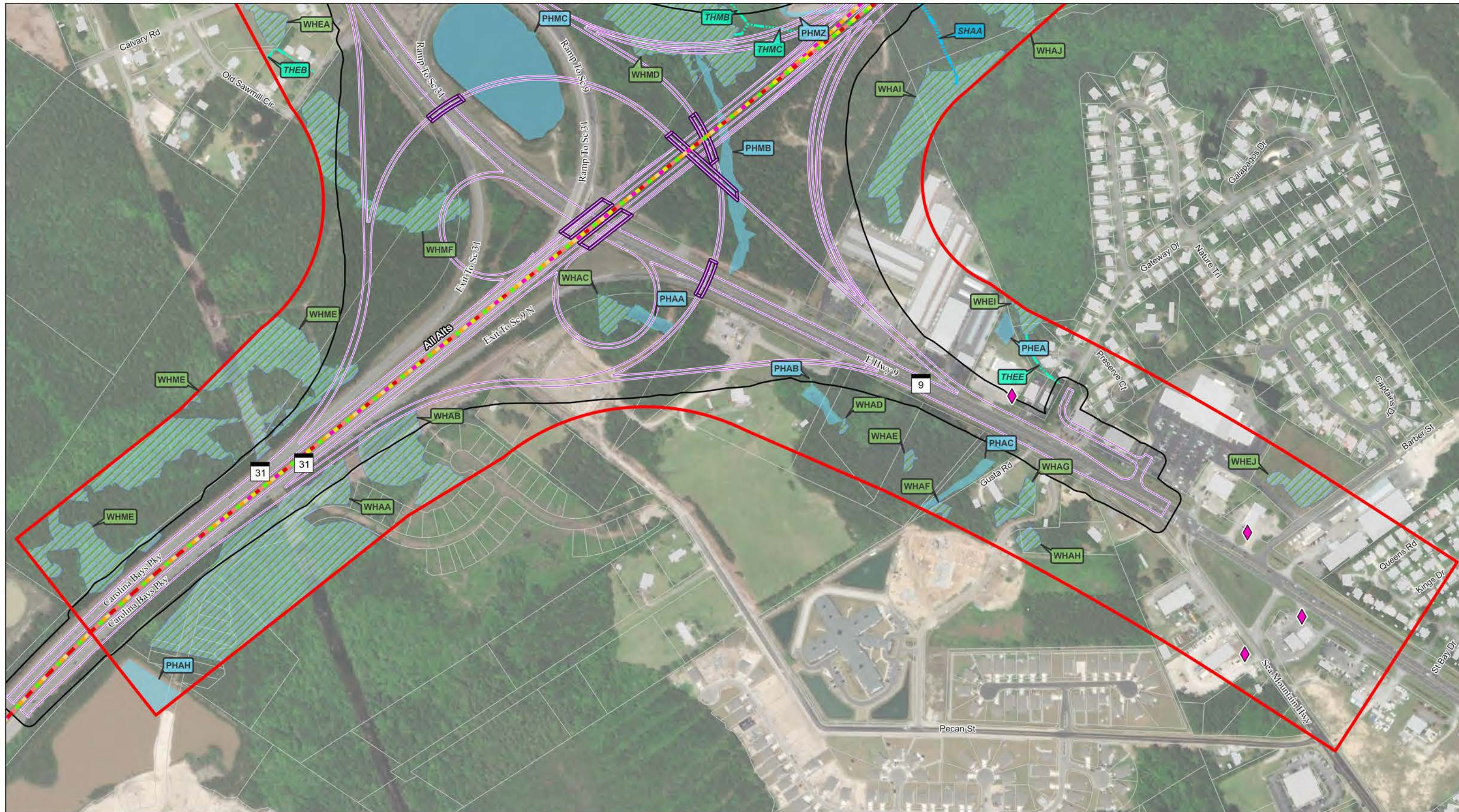


6,000 3,000 0 6,000 Feet



1 0.5 0 1 Miles



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays Parkway Extension  
North Carolina - South Carolina

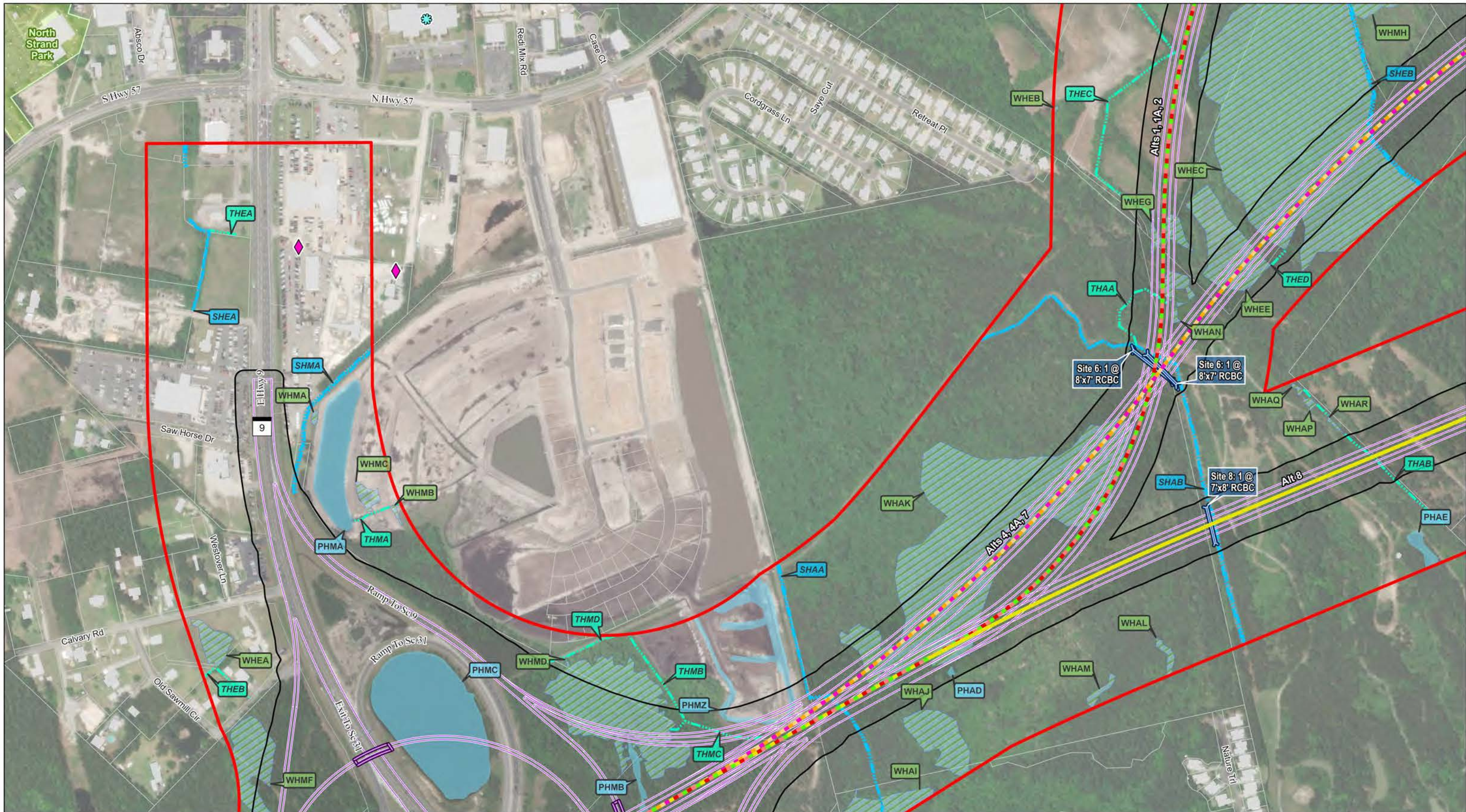
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Brunswick County

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Horry County

1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 1**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet  
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

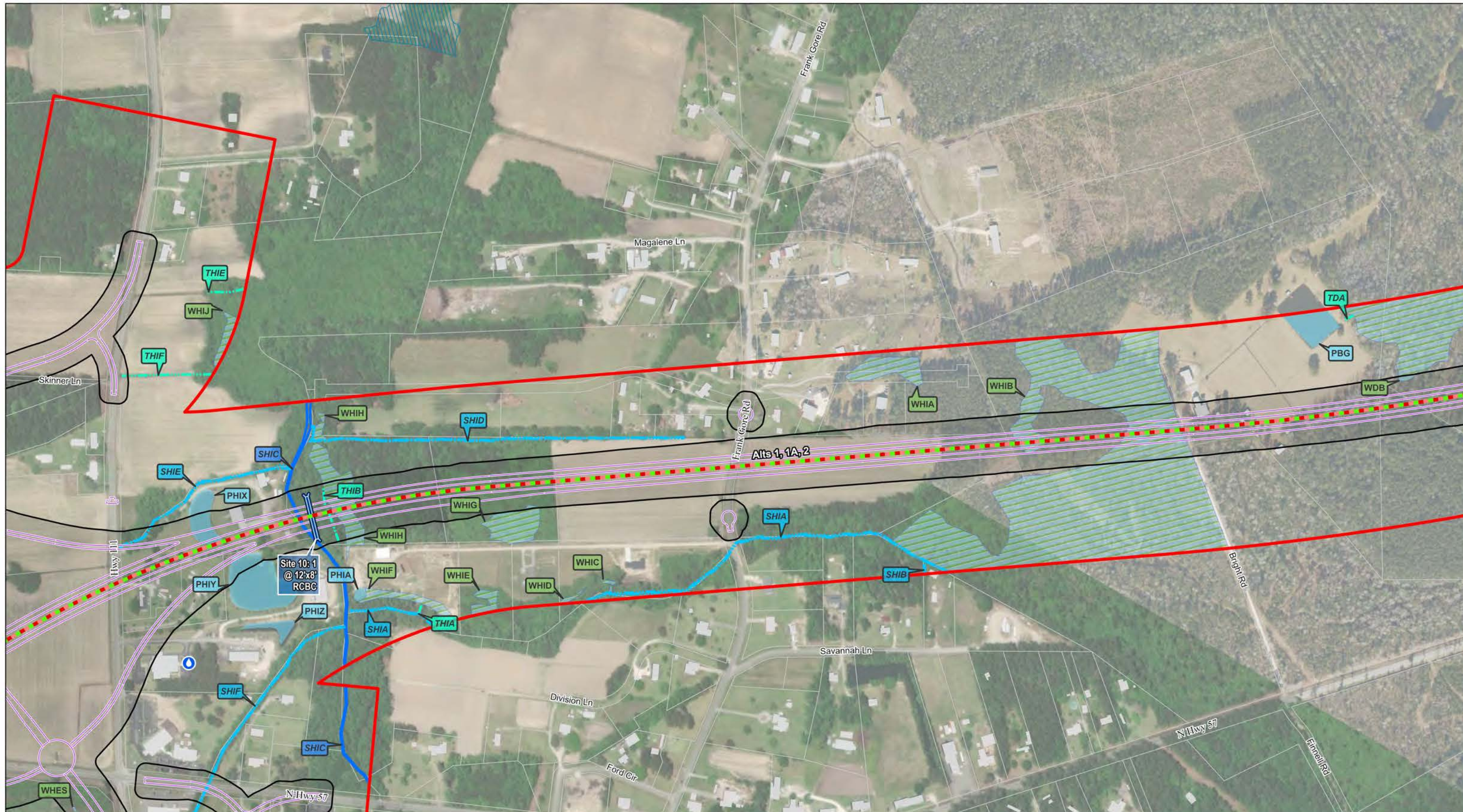
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Brunswick County

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Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 2**







Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (High Quality Water)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (Tributary)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Wetland	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Pond	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Historic Property (Recommended Eligible)	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Non-Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8					

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400    200    0    400 Feet

1 inch = 400 feet

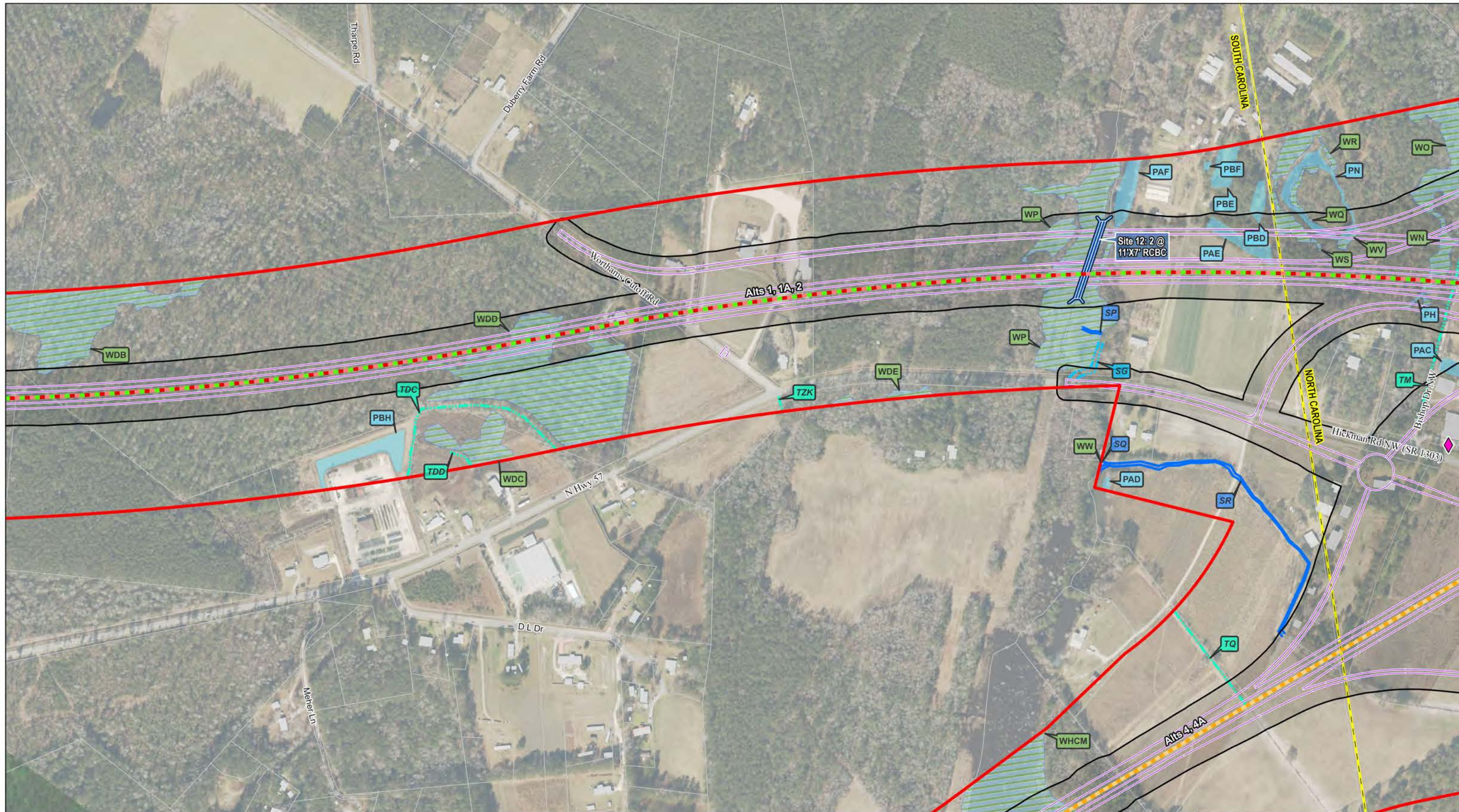
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**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 5**





Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (High Quality Water)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (Tributary)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Wetland	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Pond	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Historic Property (Recommended Eligible)	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Non-Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8					

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400    200    0    400 Feet

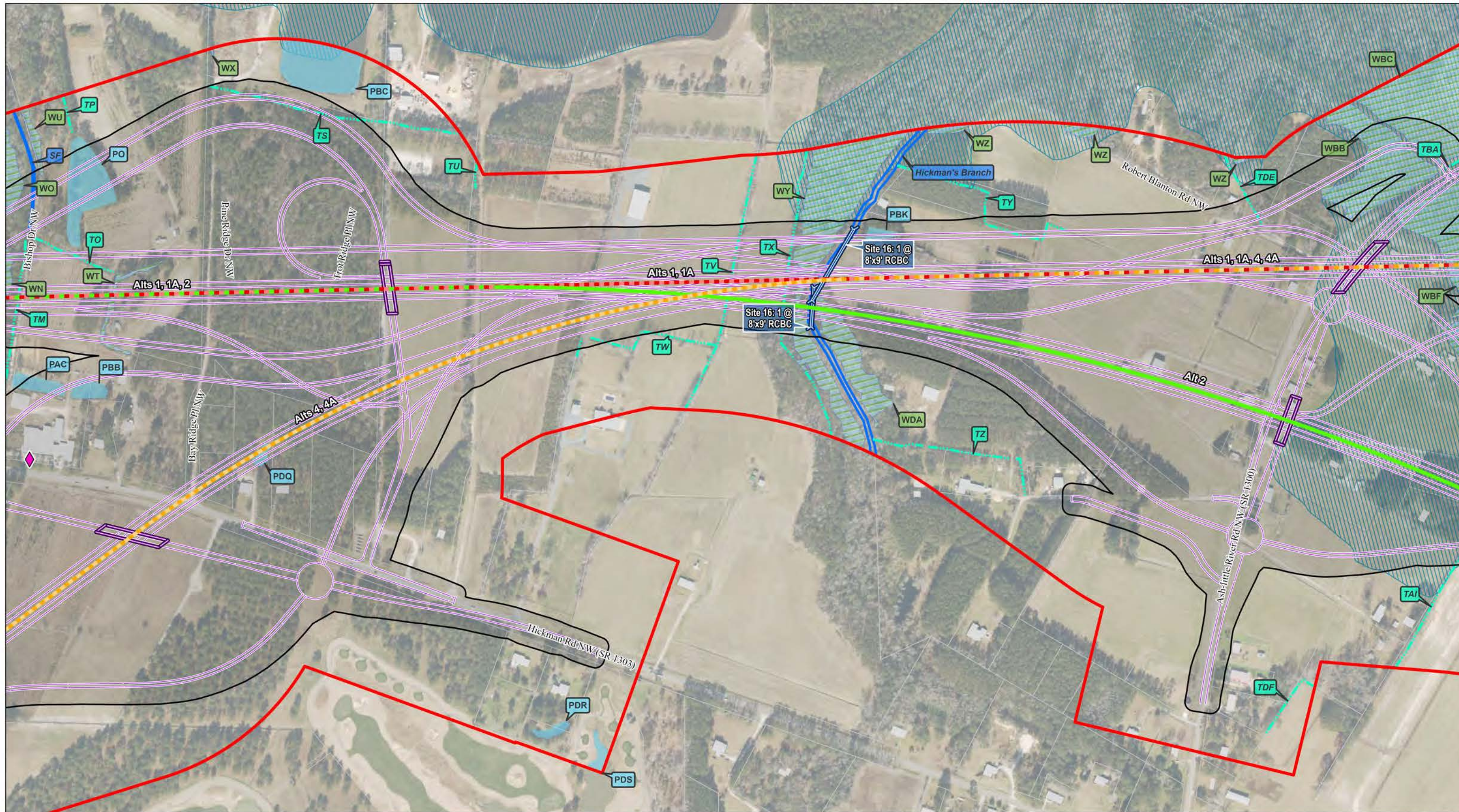
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 6**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

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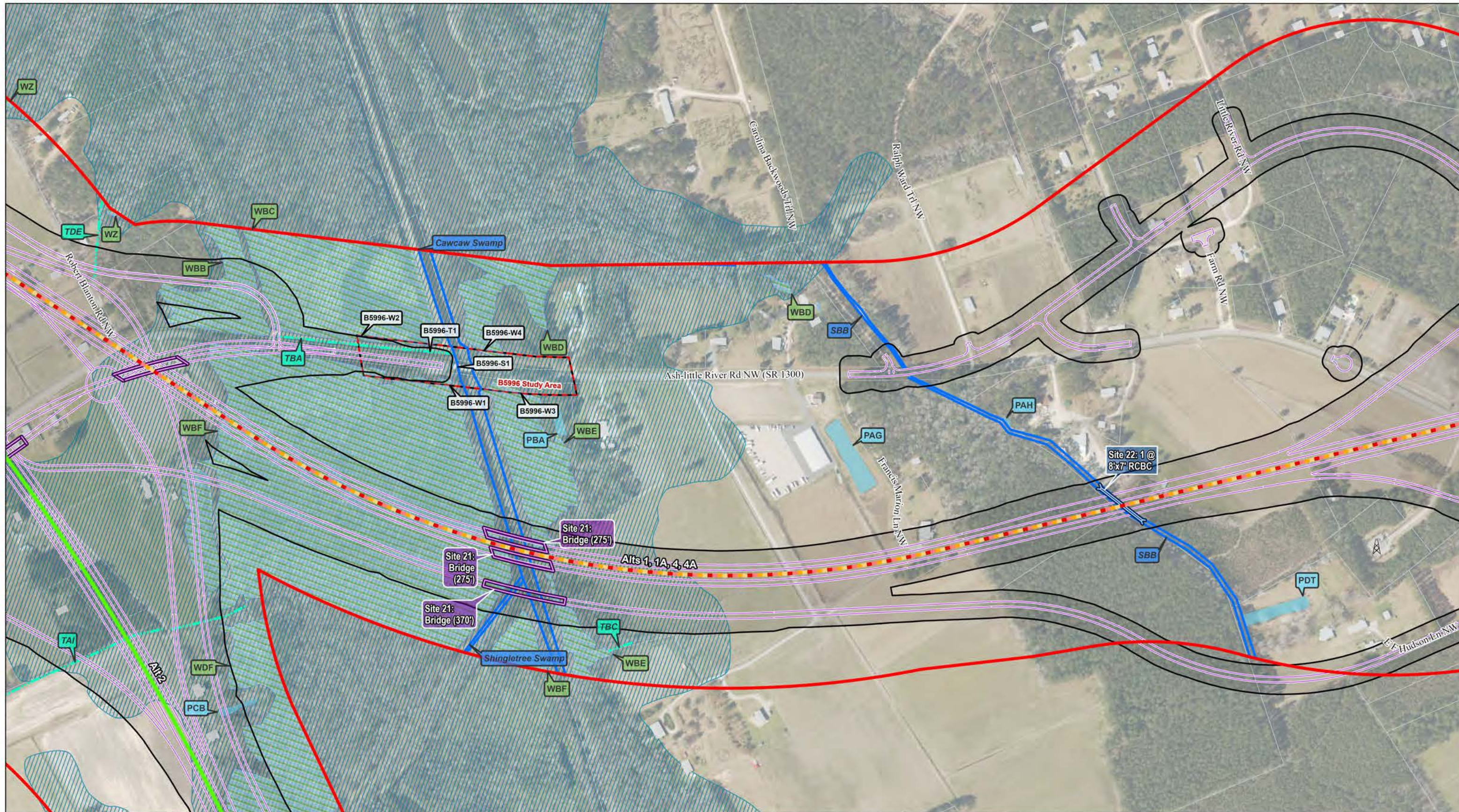
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Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 7**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

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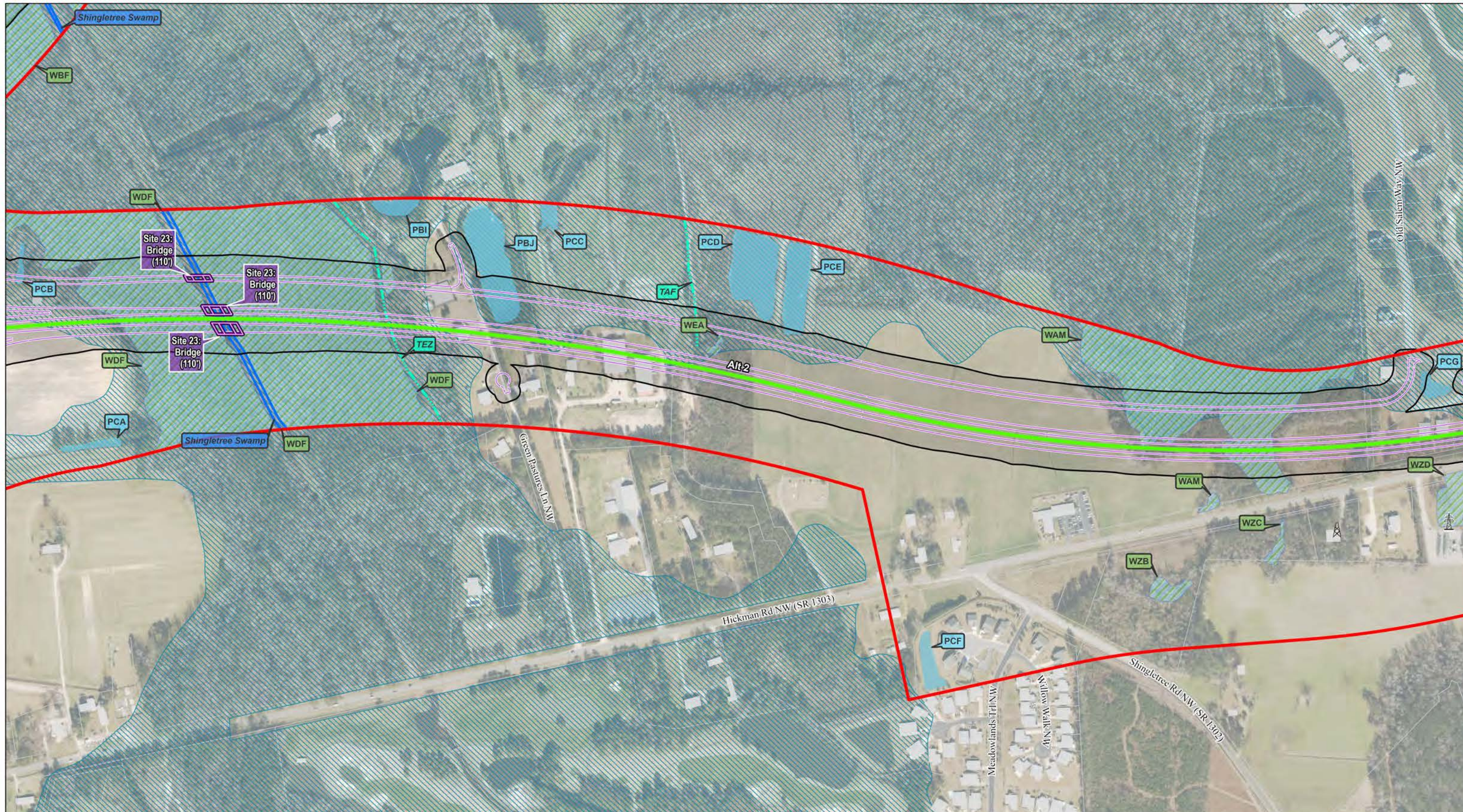
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Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 8**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (High Quality Water)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (Tributary)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Wetland	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Pond	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Historic Property (Recommended Eligible)	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Non-Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8					

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

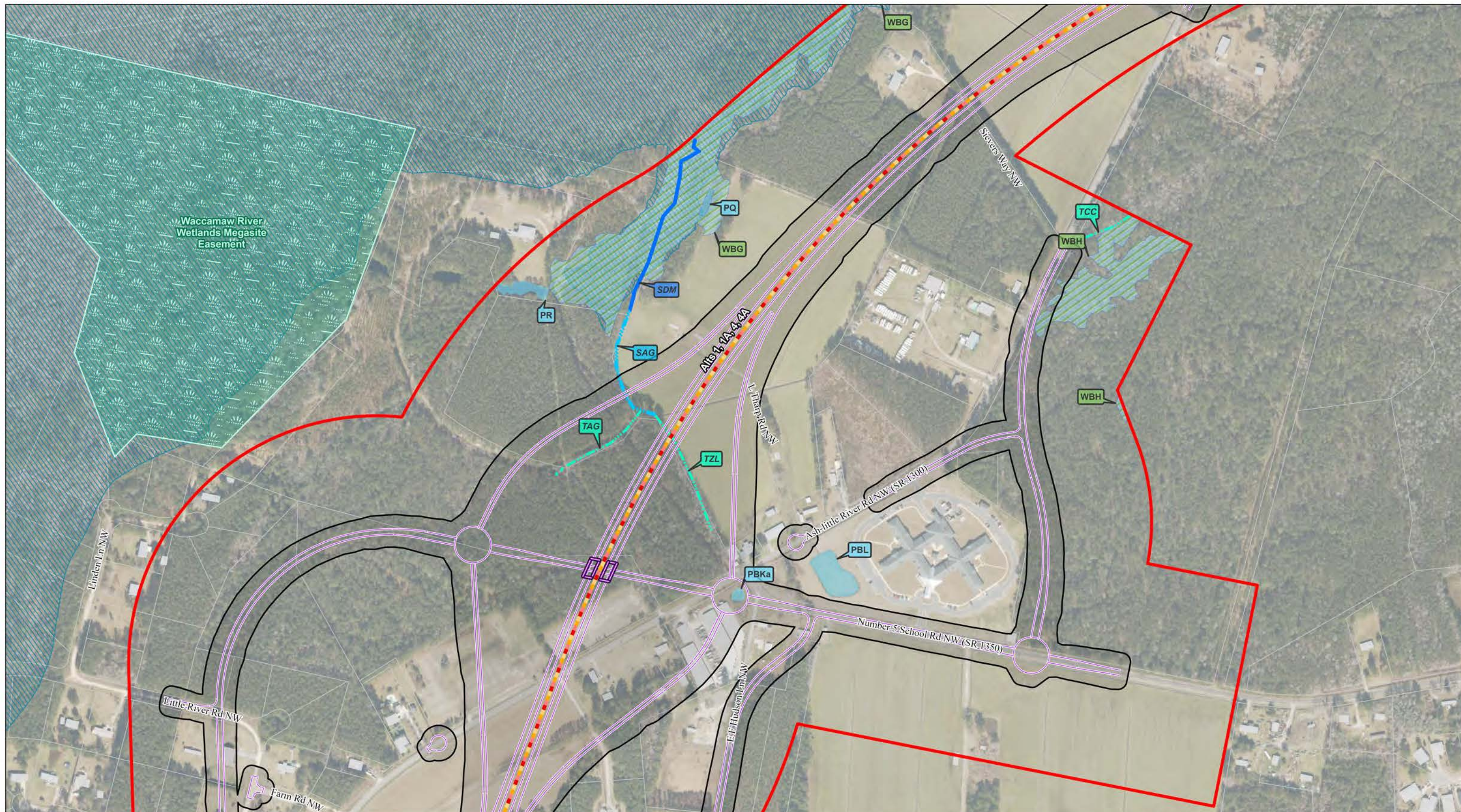
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1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 9**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (High Quality Water)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (Tributary)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Wetland	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Pond	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Historic Property (Recommended Eligible)	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Non-Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8					

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

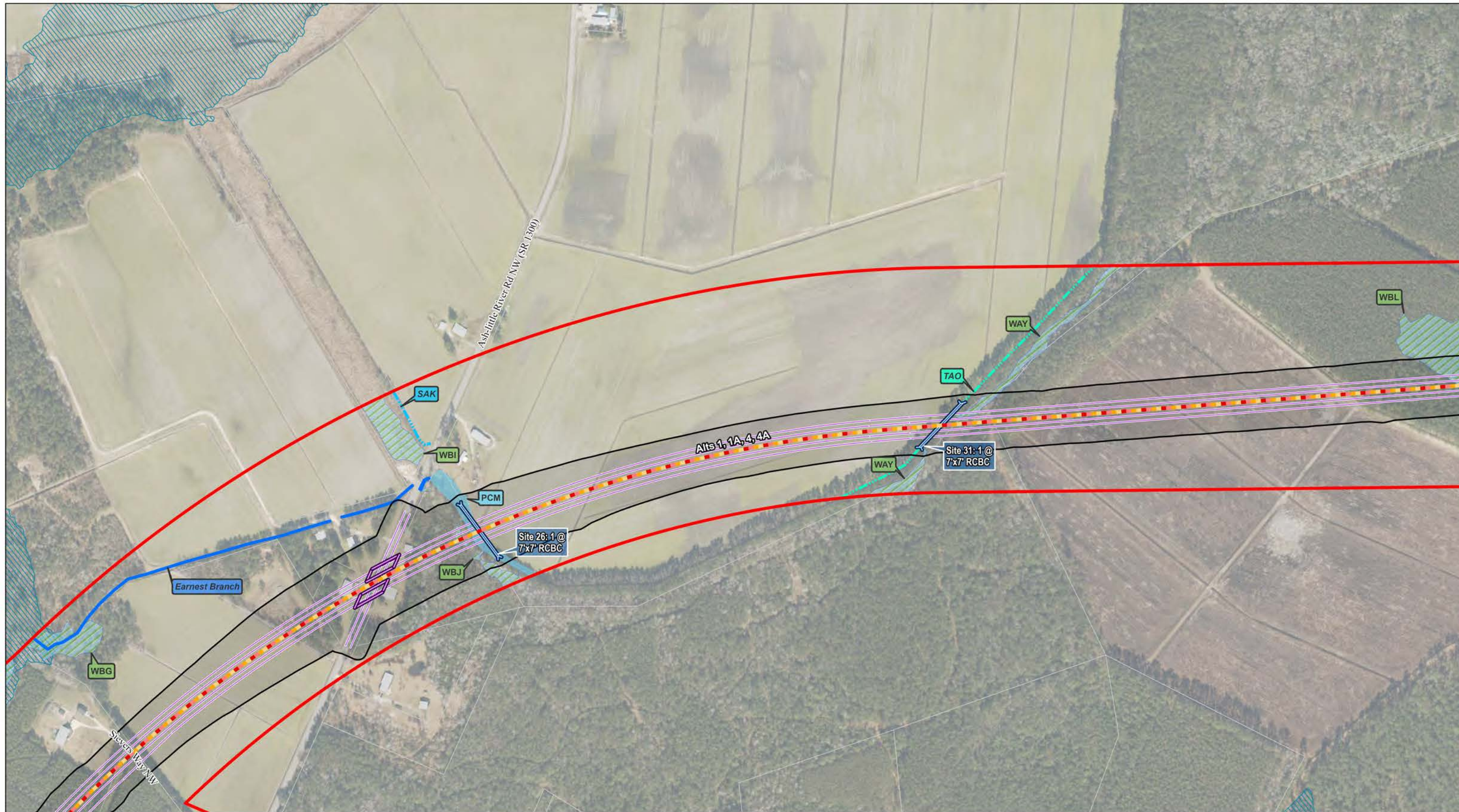
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1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 10**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (High Quality Water)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (Tributary)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Wetland	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Pond	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Historic Property (Recommended Eligible)	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Non-Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8					

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

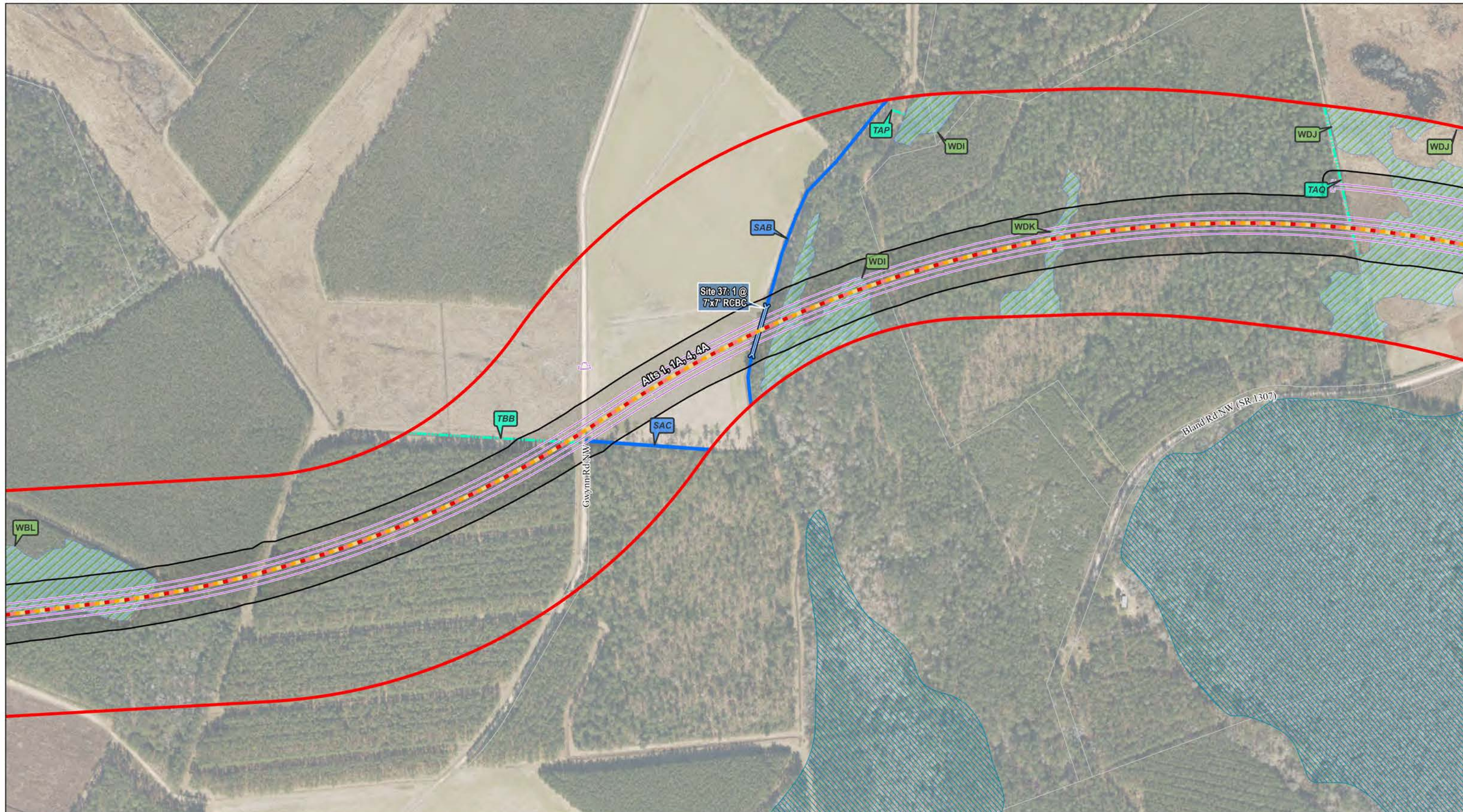
400    200    0    400 Feet  
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5    Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 11**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

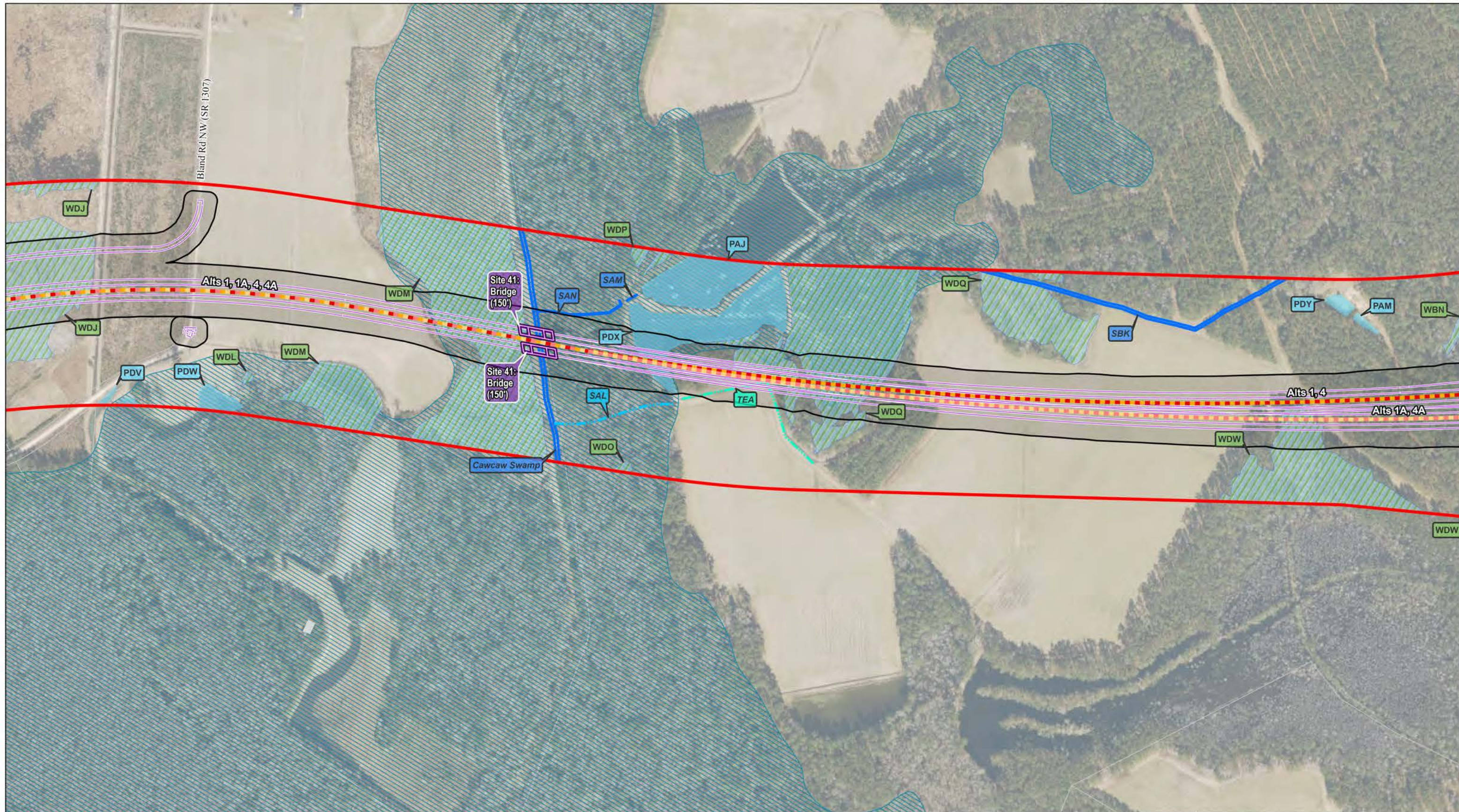
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 12**



<ul style="list-style-type: none"> <li><span style="color: red;">—</span> Alternative 1</li> <li><span style="color: orange;">—</span> Alternative 1A</li> <li><span style="color: green;">—</span> Alternative 2</li> <li><span style="color: yellow;">—</span> Alternative 4</li> <li><span style="color: lightgreen;">—</span> Alternative 4A</li> <li><span style="color: magenta;">—</span> Alternative 7</li> <li><span style="color: cyan;">—</span> Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: purple;">—</span> Edge of Travel (Proposed)</li> <li><span style="color: blue;">—</span> Bridge (Proposed)</li> <li><span style="color: black;">—</span> Culvert / Pipe (Proposed)</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Slope Stakes + 40 ft (Proposed)</li> <li><span style="color: blue;">—</span> Perennial Stream</li> <li><span style="color: blue;">—</span> Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: blue;">—</span> Intermittent Stream</li> <li><span style="color: cyan;">—</span> Intermittent Stream (High Quality Water)</li> <li><span style="color: cyan;">—</span> Tributary</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Wetland</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Pond</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Historic Property (Recommended Eligible)</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid orange; padding: 2px;"> </span> NR-Eligible Boundary (Recommended)</li> <li><span style="border: 1px solid red; padding: 2px;"> </span> Alternative Corridors (1,000 foot)</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Previous STIP Project (Study Area)</li> <li><span style="color: green;">●</span> Fire Station</li> <li><span style="color: purple;">◆</span> Geoenvironmental Site</li> <li><span style="color: green;">▲</span> NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: blue;">●</span> Wastewater Treatment Plant</li> <li><span style="color: black;">●</span> Water Tower</li> <li><span style="color: black;">●</span> Substation</li> <li><span style="color: black;">●</span> Communication Tower</li> <li><span style="color: blue;">—</span> Floodway</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Essential Fish Habitat</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Private Natural Area</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Public Park</li> <li><span style="background-color: gray; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Building Footprint</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Parcel</li> <li><span style="border: 1px solid yellow; display: inline-block; width: 10px; height: 10px;"></span> County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

1 inch = 400 feet

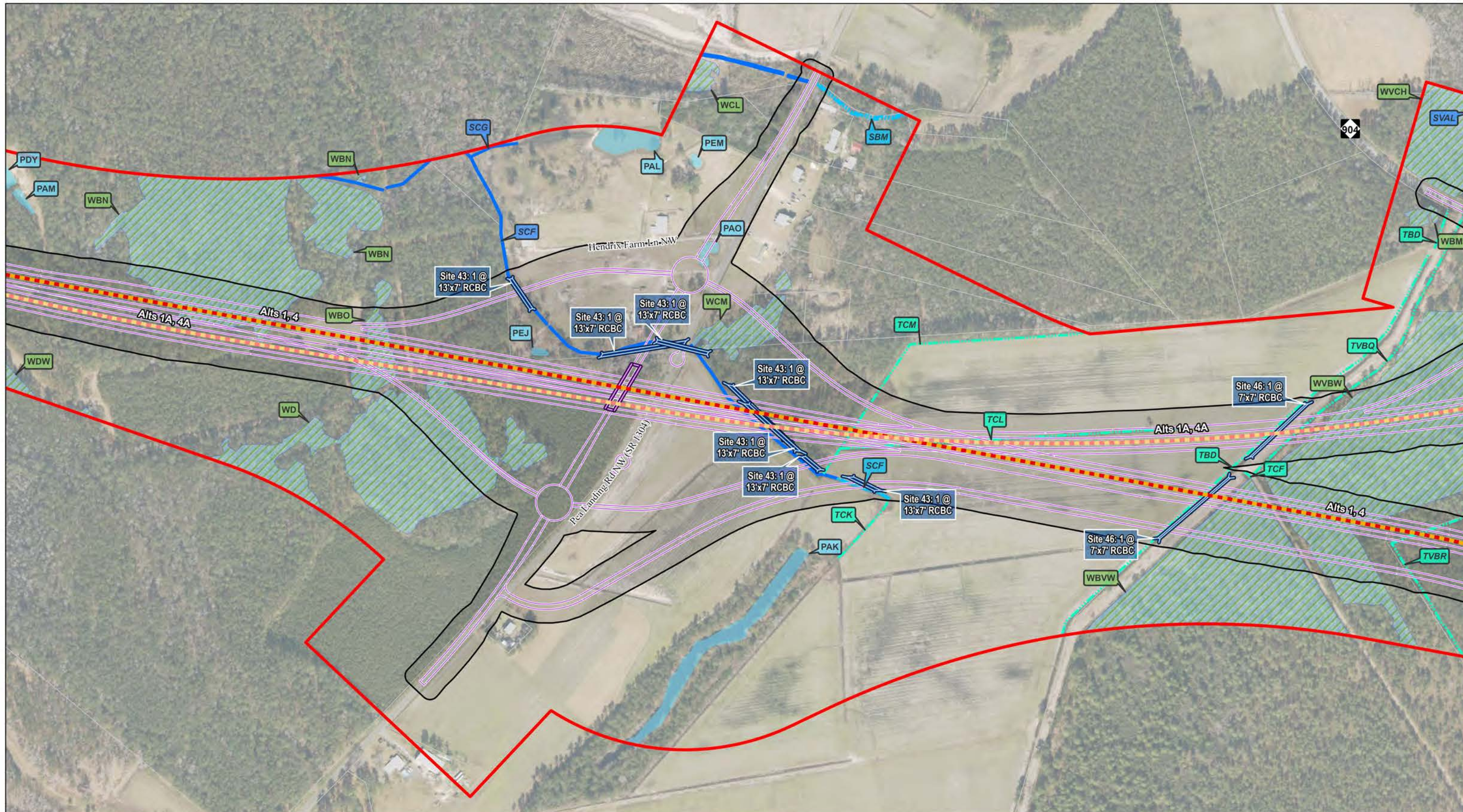
Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites,  
& Environmental Features - Sheet 13**





<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

1 inch = 400 feet

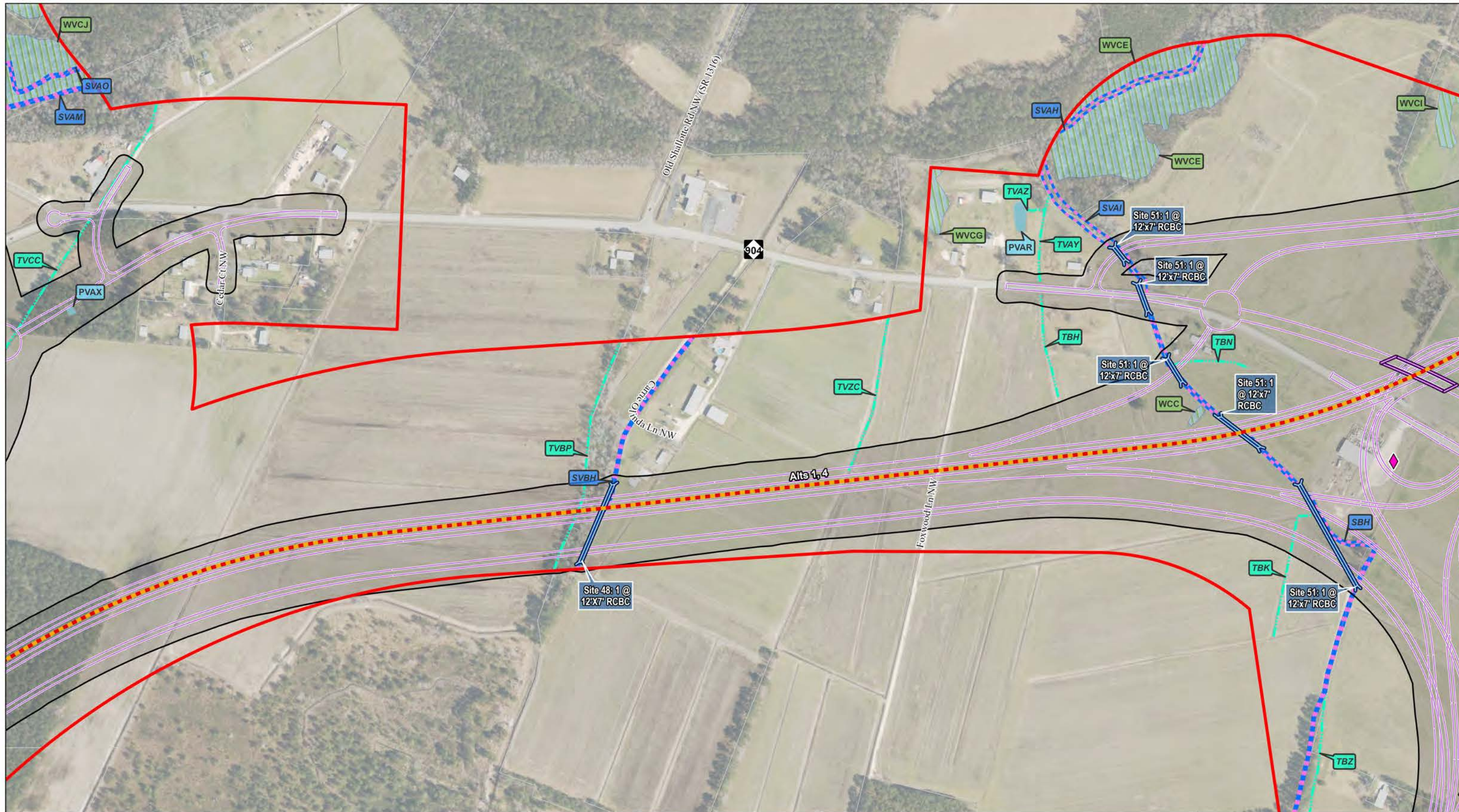
NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 14**

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021





Alternative 1	Edge of Travel (Proposed)	Intermittent Stream	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400    200    0    400 Feet

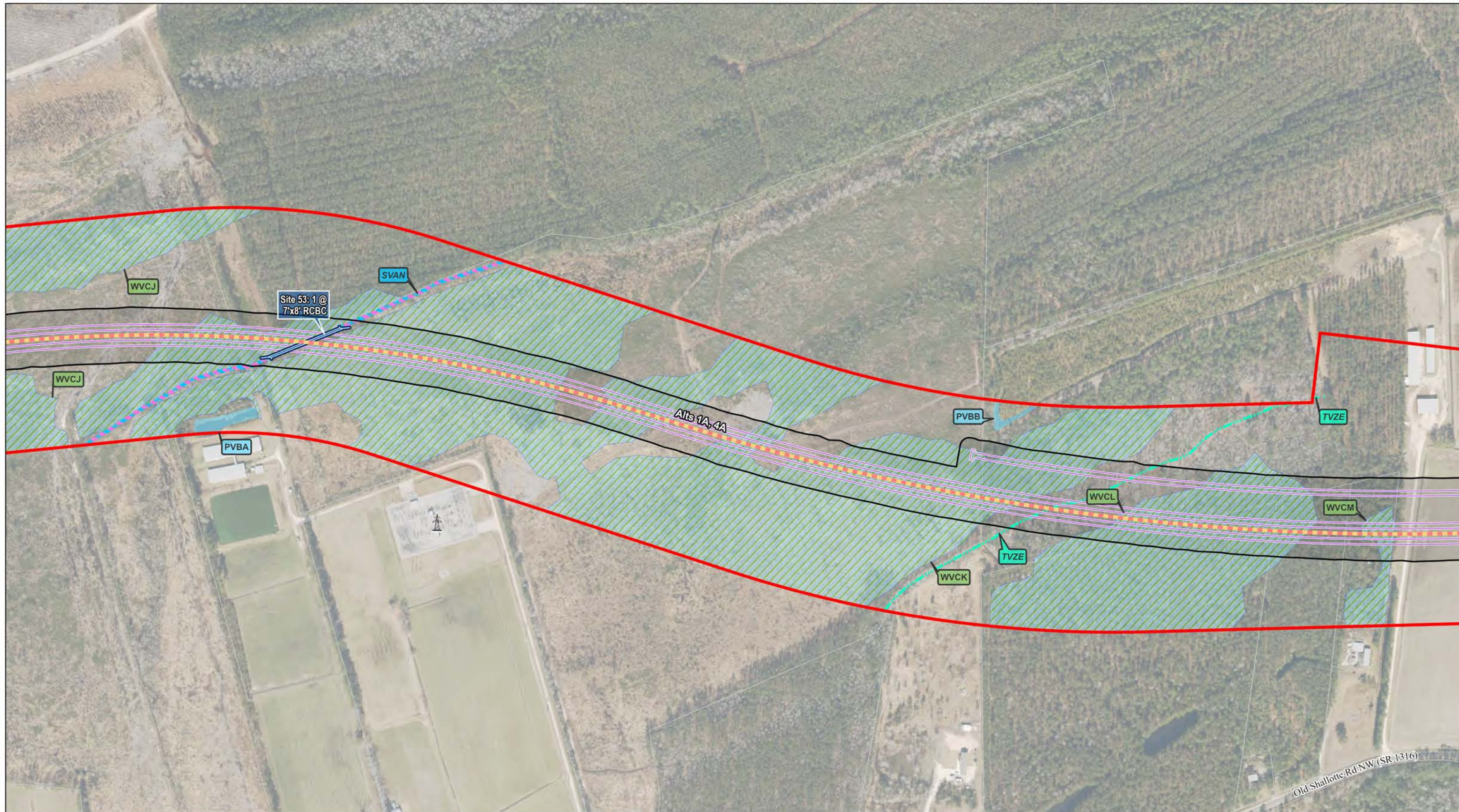
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5    Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 16**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

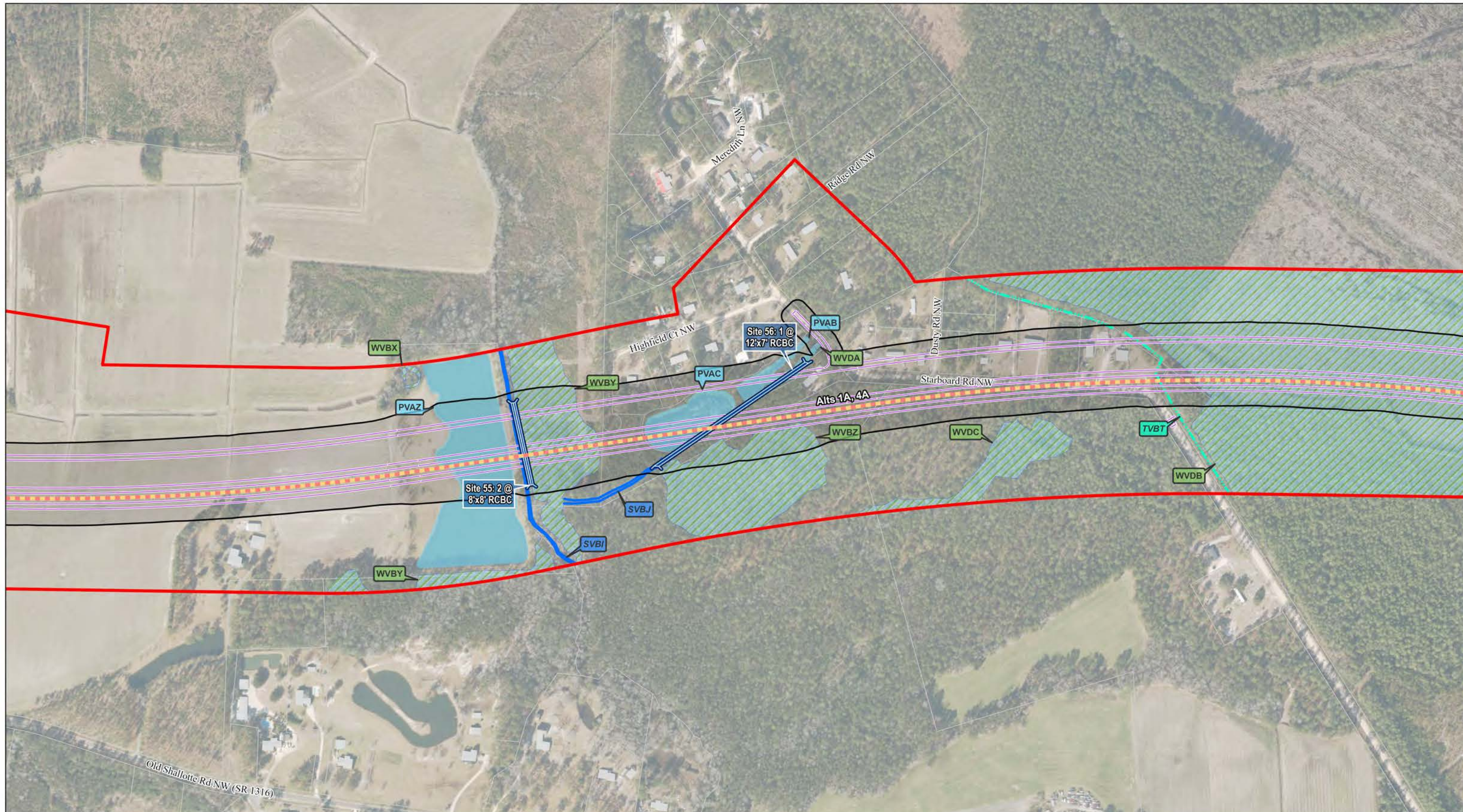
400    200    0    400 Feet  
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5    Figure Date: 9/15/2021

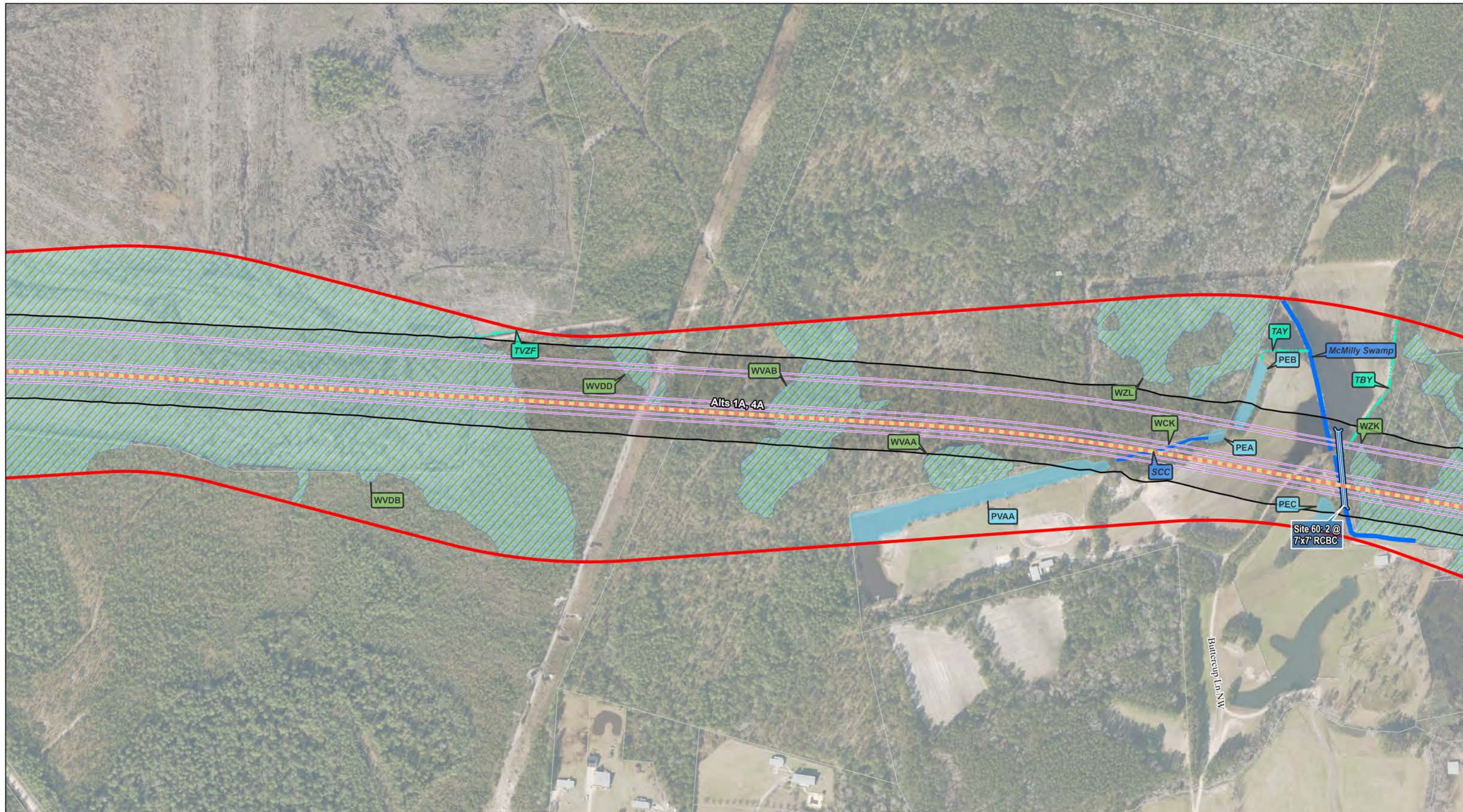
**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 17**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>	<p><b>Carolina Bays Parkway Extension</b> North Carolina - South Carolina</p> <p>400 200 0 400 Feet 1 inch = 400 feet</p> <p>Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5 Figure Date: 9/15/2021</p>	<p>NCDOT Project R-5876 Brunswick County</p> <p>SCDOT Project No. P029554 Horry County</p> <p><b>Figure 3 - DSAs, Hydraulic Sites, &amp; Environmental Features - Sheet 18</b></p>
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<ul style="list-style-type: none"> <li><span style="color: red;">—</span> Alternative 1</li> <li><span style="color: orange;">—</span> Alternative 1A</li> <li><span style="color: green;">—</span> Alternative 2</li> <li><span style="color: yellow;">—</span> Alternative 4</li> <li><span style="color: lightorange;">—</span> Alternative 4A</li> <li><span style="color: magenta;">—</span> Alternative 7</li> <li><span style="color: yellowgreen;">—</span> Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: purple;">—</span> Edge of Travel (Proposed)</li> <li><span style="color: purple;">—</span> Bridge (Proposed)</li> <li><span style="color: blue;">—</span> Culvert / Pipe (Proposed)</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Slope Stakes + 40 ft (Proposed)</li> <li><span style="color: blue;">—</span> Perennial Stream</li> <li><span style="color: blue;">—</span> Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: cyan;">—</span> Intermittent Stream</li> <li><span style="color: cyan;">—</span> Intermittent Stream (High Quality Water)</li> <li><span style="color: cyan;">—</span> Tributary</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Wetland</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Pond</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Historic Property (Recommended Eligible)</li> <li><span style="background-color: pink; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 2px solid orange; display: inline-block; width: 10px; height: 10px;"></span> NR-Eligible Boundary (Recommended)</li> <li><span style="border: 2px solid red; display: inline-block; width: 10px; height: 10px;"></span> Alternative Corridors (1,000 foot)</li> <li><span style="border: 2px solid black; display: inline-block; width: 10px; height: 10px;"></span> Previous STIP Project (Study Area)</li> <li><span style="color: green;">*</span> Fire Station</li> <li><span style="color: purple;">◆</span> Geoenvironmental Site</li> <li><span style="color: green;">▲</span> NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: blue;">●</span> Wastewater Treatment Plant</li> <li><span style="color: black;">⦿</span> Water Tower</li> <li><span style="color: black;">⦿</span> Substation</li> <li><span style="color: black;">⦿</span> Communication Tower</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Floodway</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Essential Fish Habitat</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Private Natural Area</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Public Park</li> <li><span style="background-color: gray; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Building Footprint</li> <li><span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Parcel</li> <li><span style="border: 2px solid yellow; display: inline-block; width: 10px; height: 10px;"></span> County Boundary</li> </ul>
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Carolina Bays Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

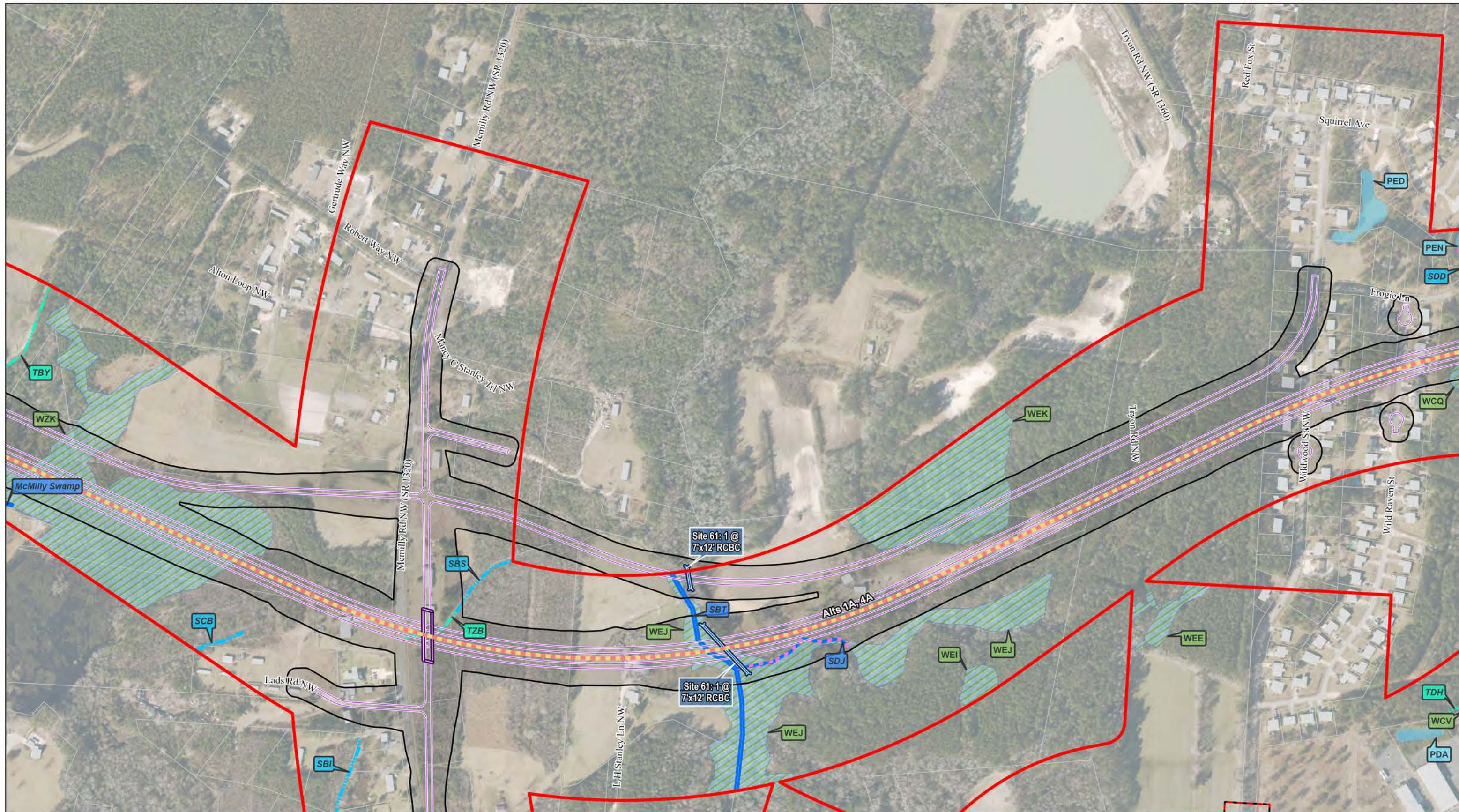
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 19**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400    200    0    400 Feet

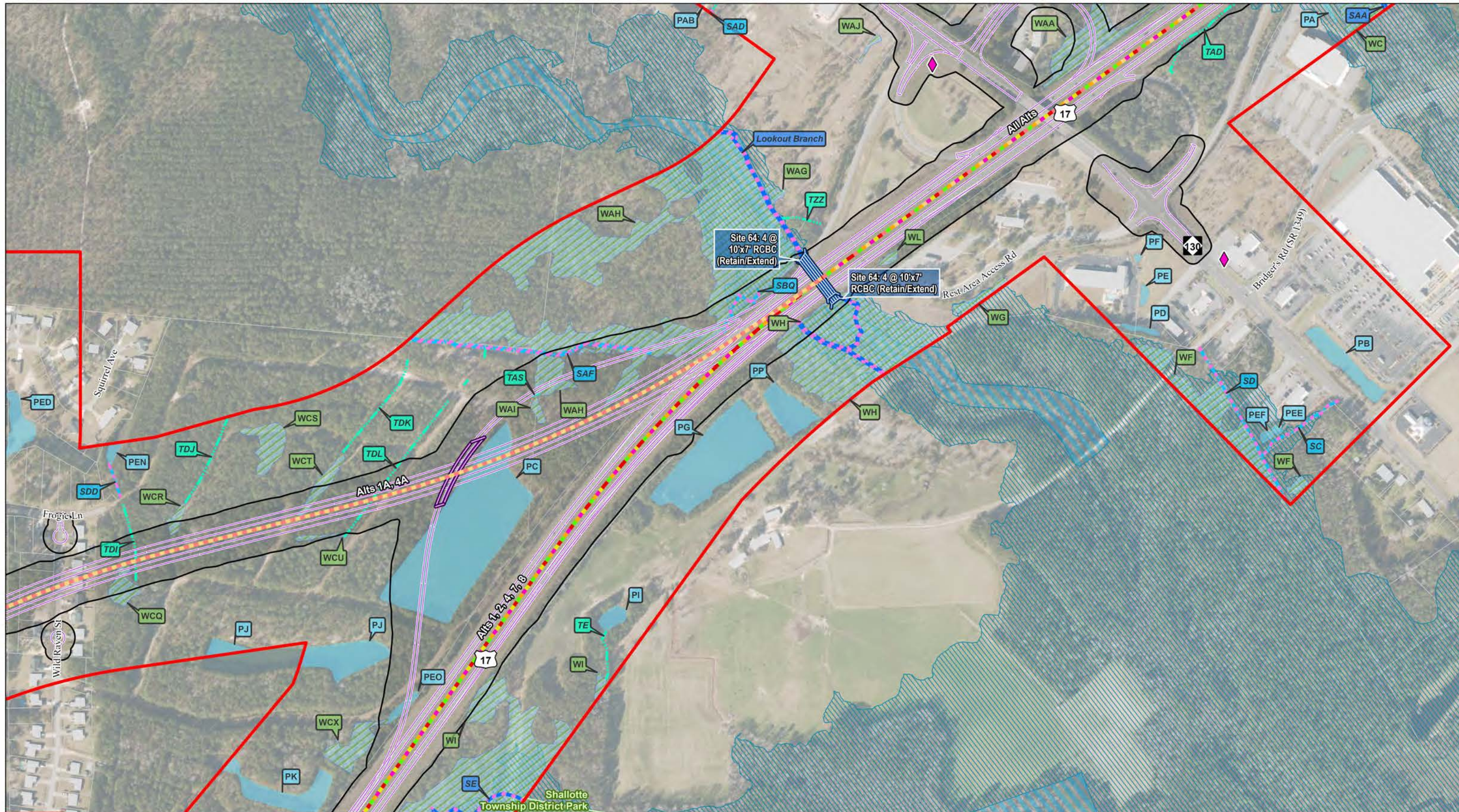
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5      Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 20**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

1 inch = 400 feet

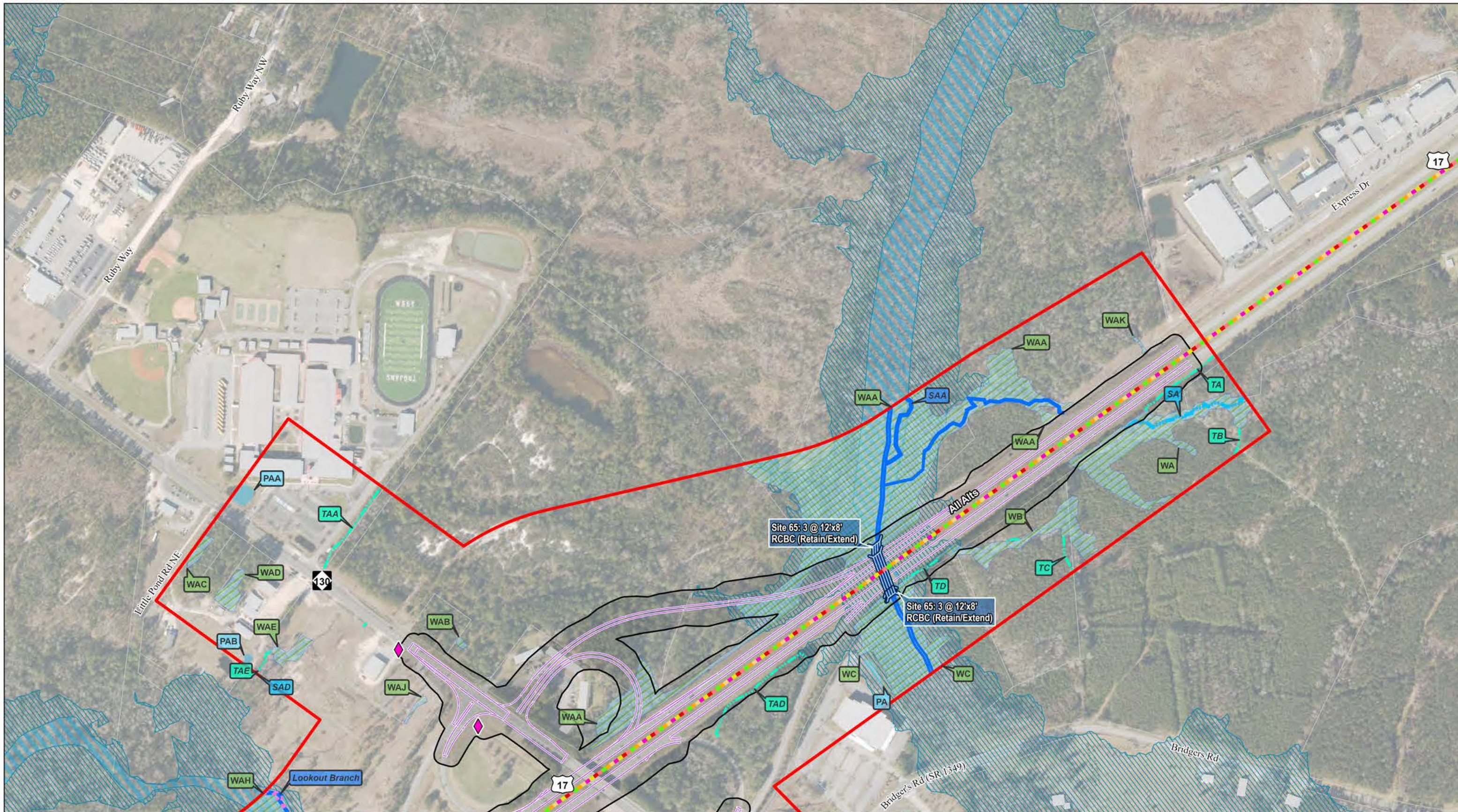
Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 21**





Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (High Quality Water)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (Tributary)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Wetland	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Pond	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Historic Property (Recommended Eligible)	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Non-Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8					

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet  
1 inch = 400 feet

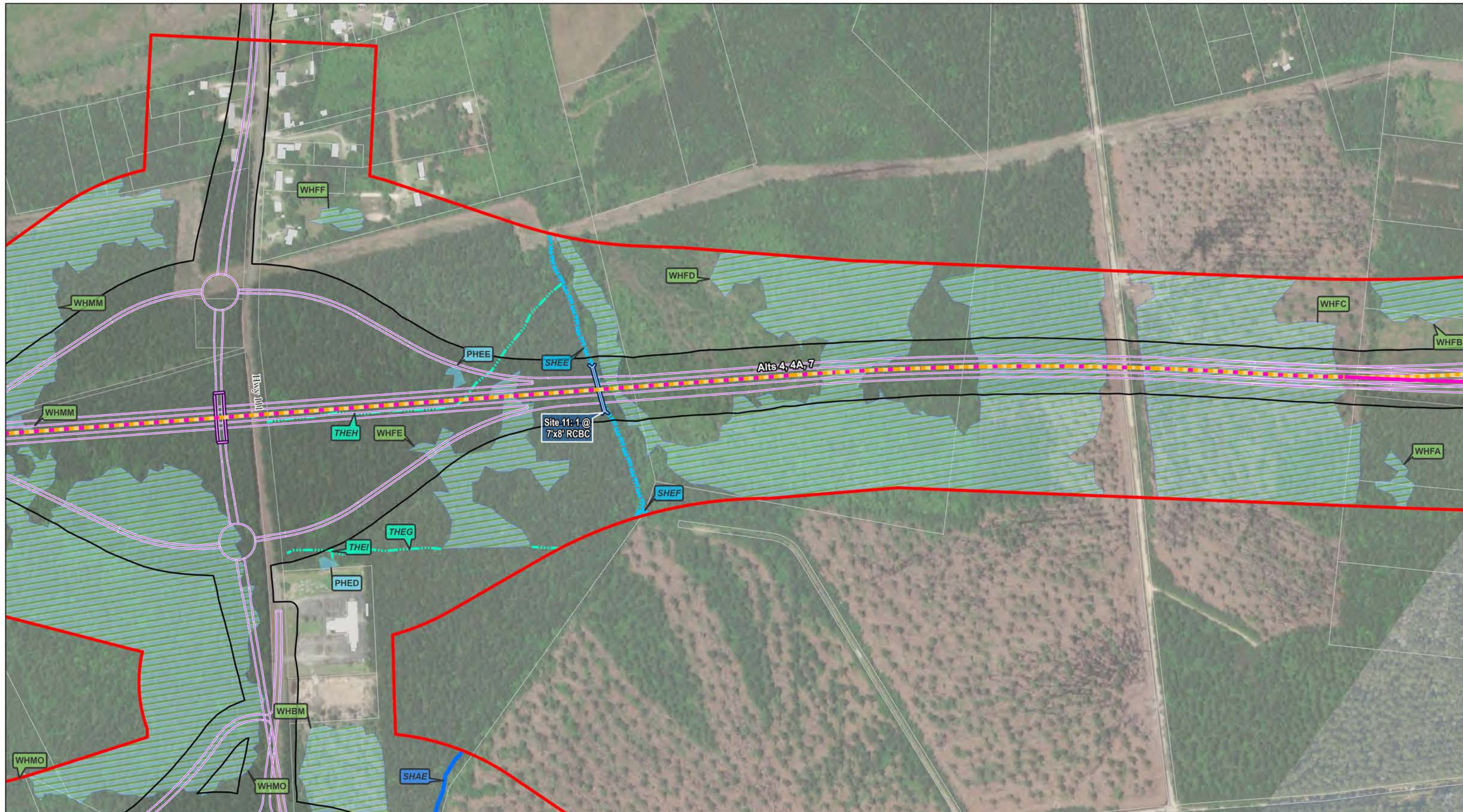
Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 22**





Alternative 1	Edge of Travel (Proposed)	Intermittent Stream	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays Parkway Extension**  
North Carolina - South Carolina

400    200    0    400 Feet

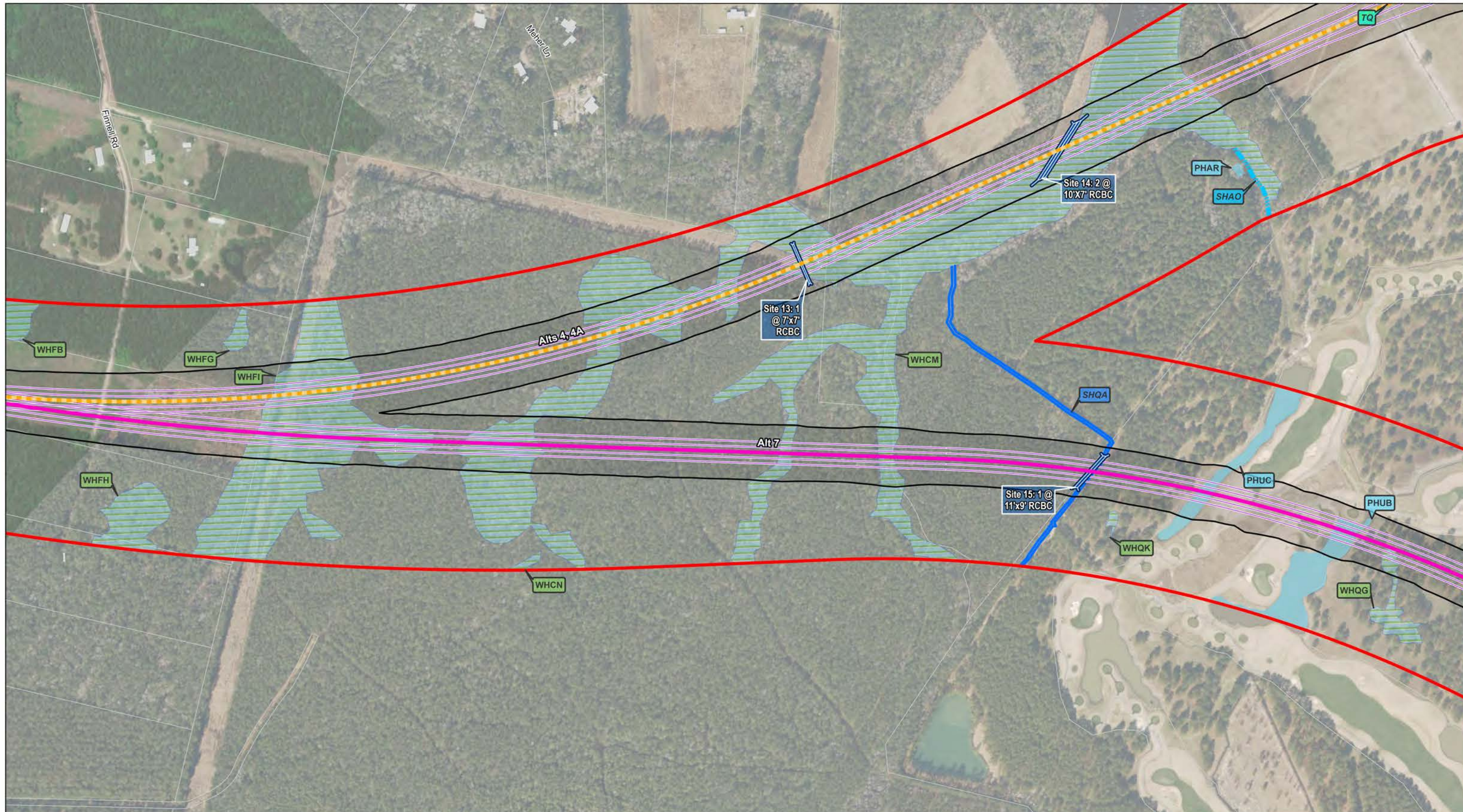
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5      Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 24**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

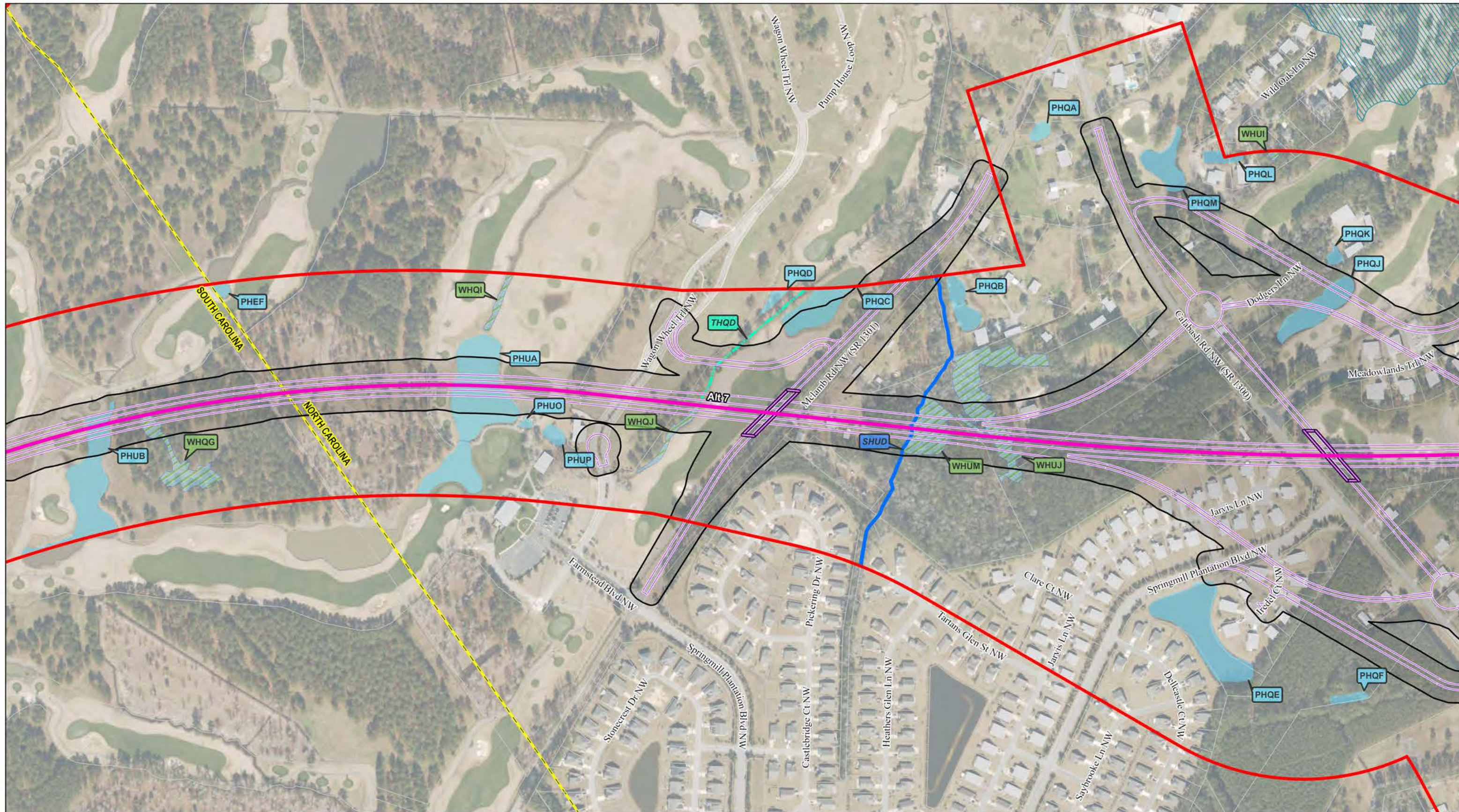
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 25**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

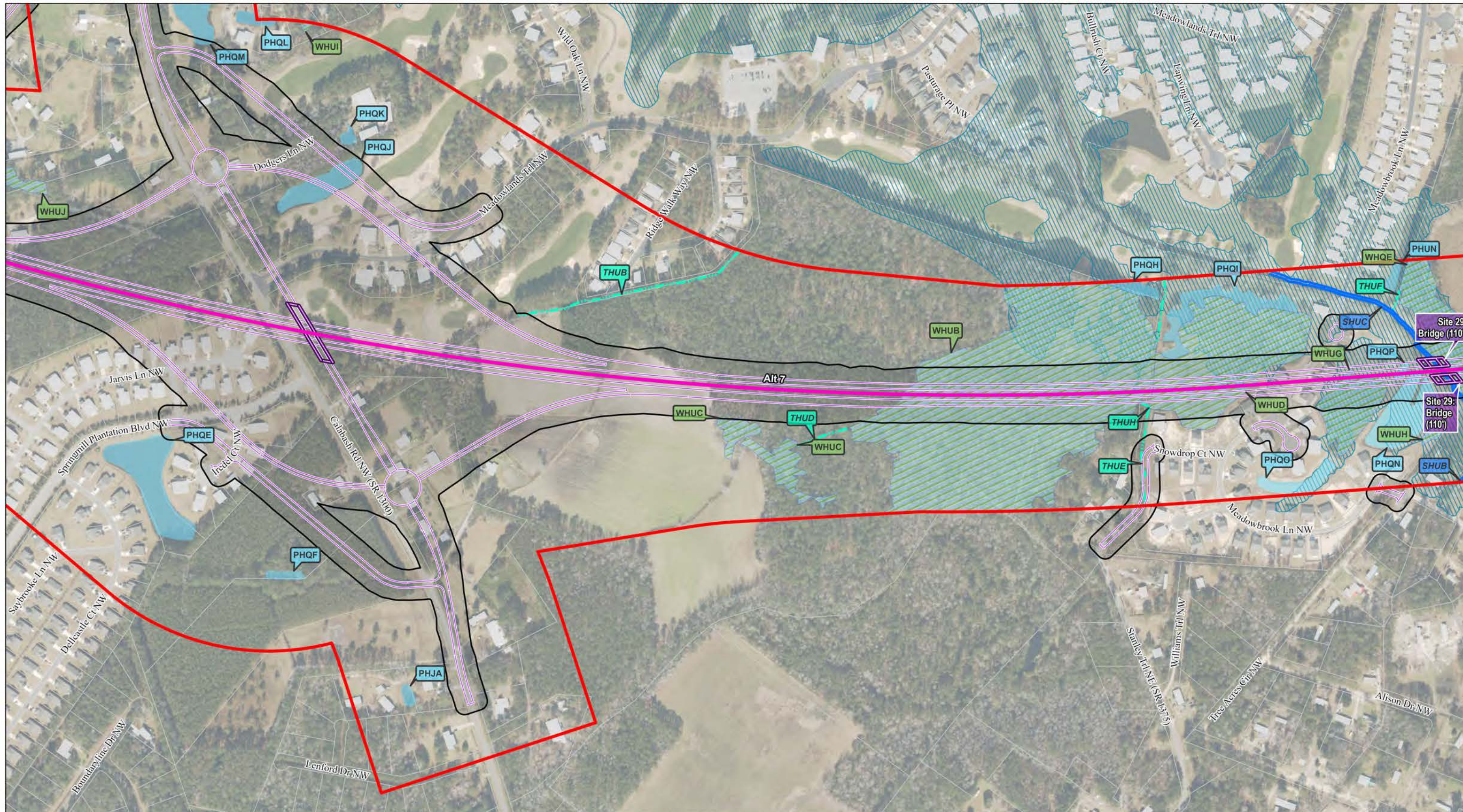
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites,  
& Environmental Features - Sheet 26**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400    200    0    400 Feet

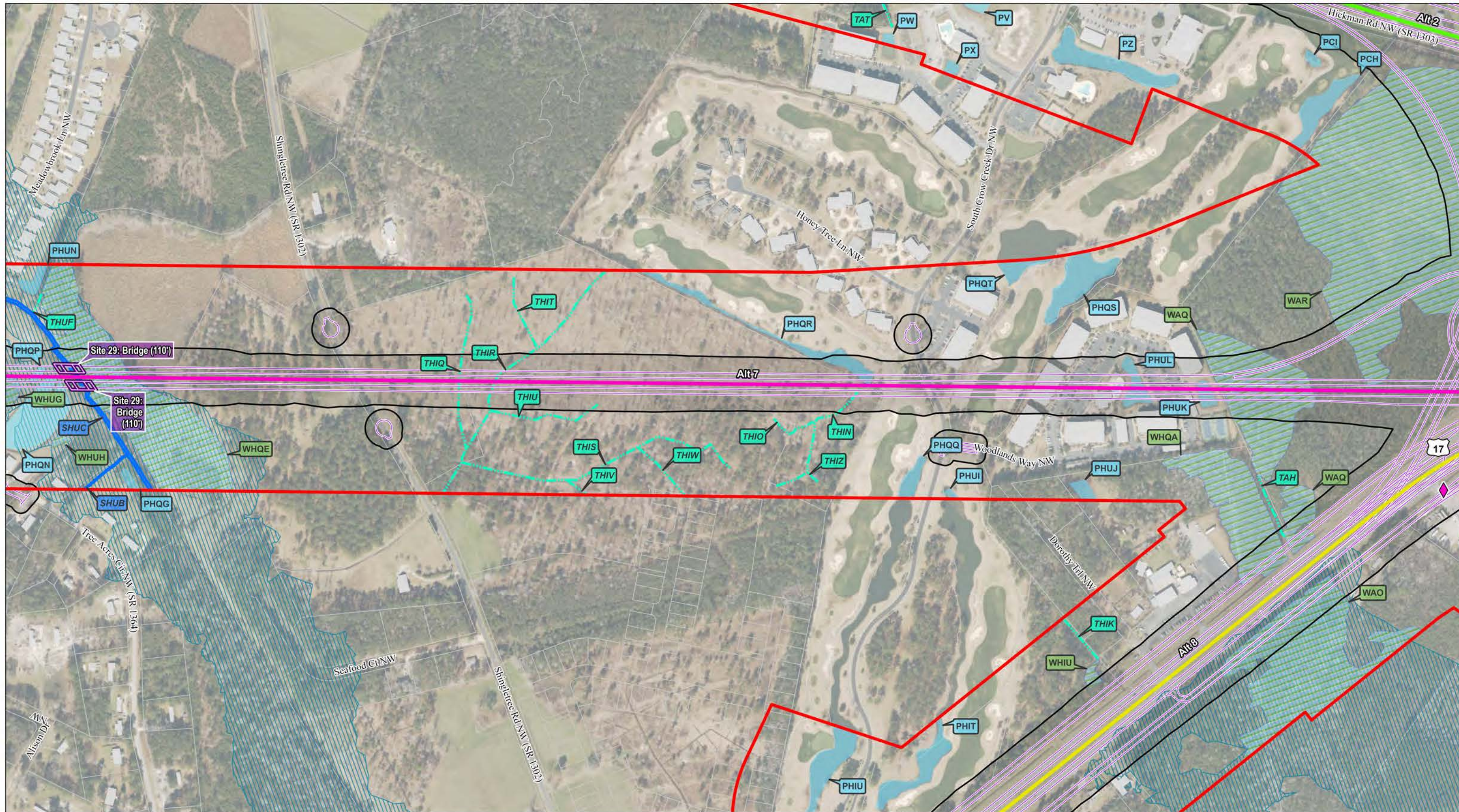
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 27**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

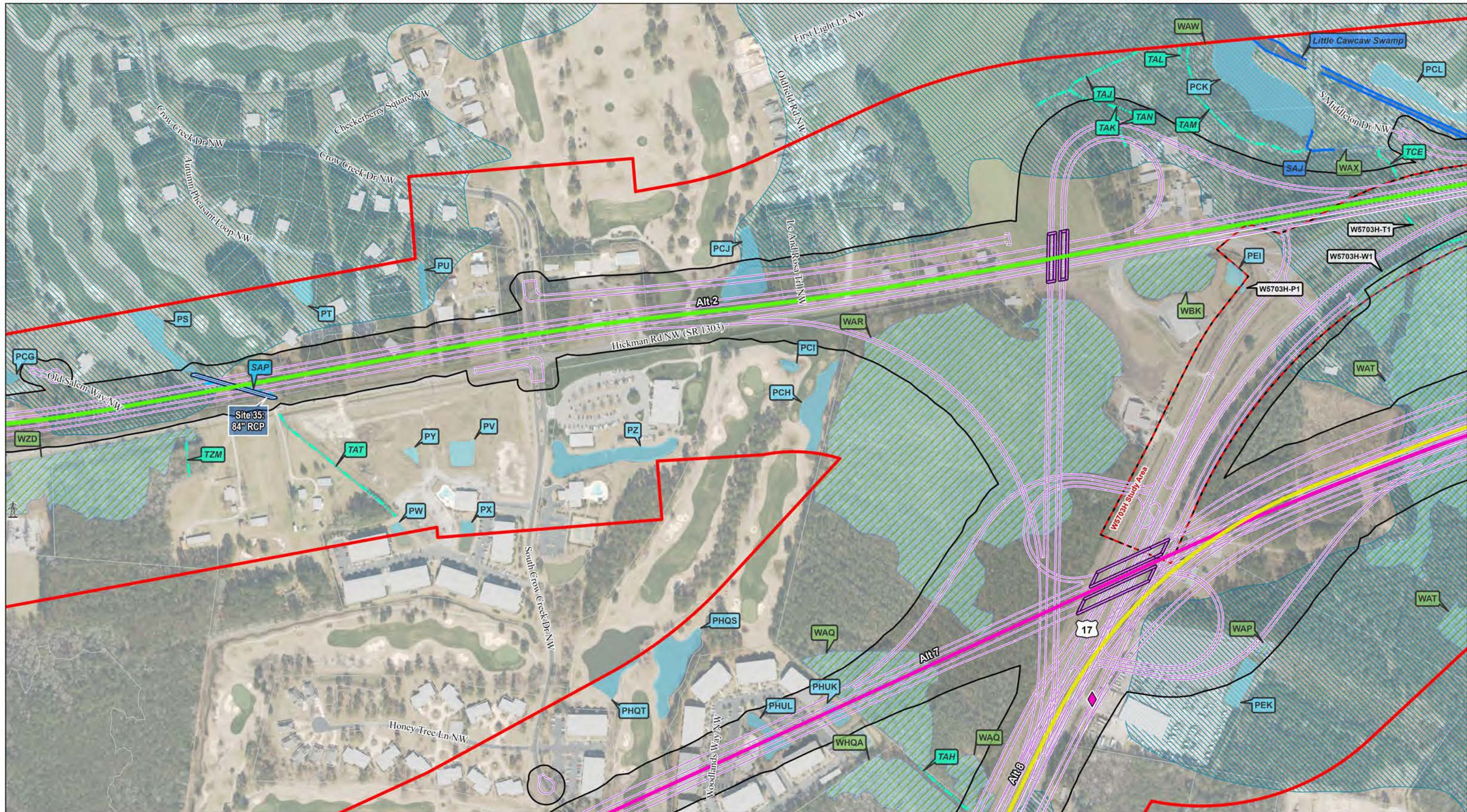
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/16/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 28**



**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet  
1 inch = 400 feet

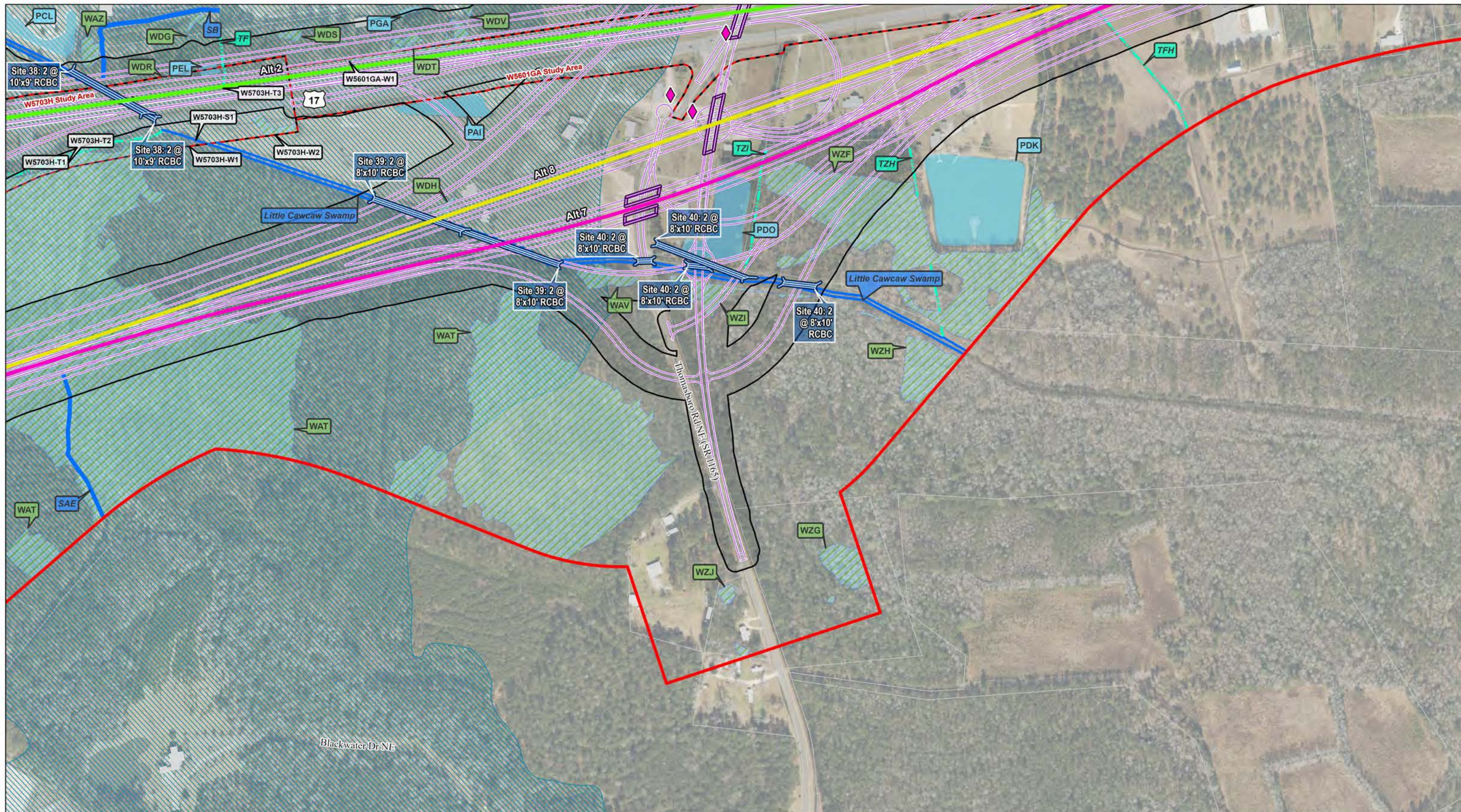
Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites,  
& Environmental Features - Sheet 29**





<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

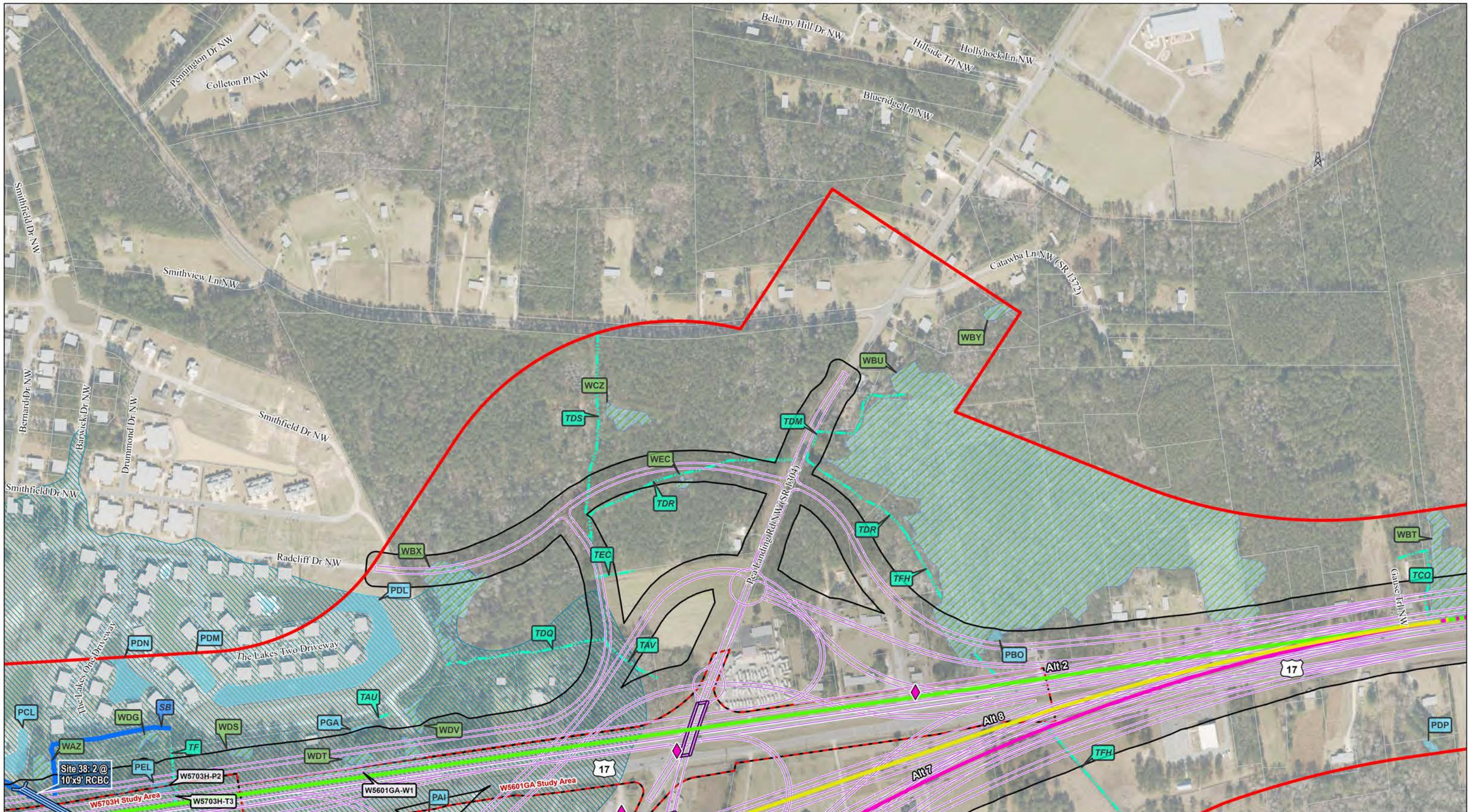
1 inch = 400 feet

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites,  
& Environmental Features - Sheet 30**

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (High Quality Water)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Tributary	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Wetland	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Pond	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Historic Property (Recommended Eligible)	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Non-Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8					

Carolina Bays Parkway Extension
   
 North Carolina - South Carolina

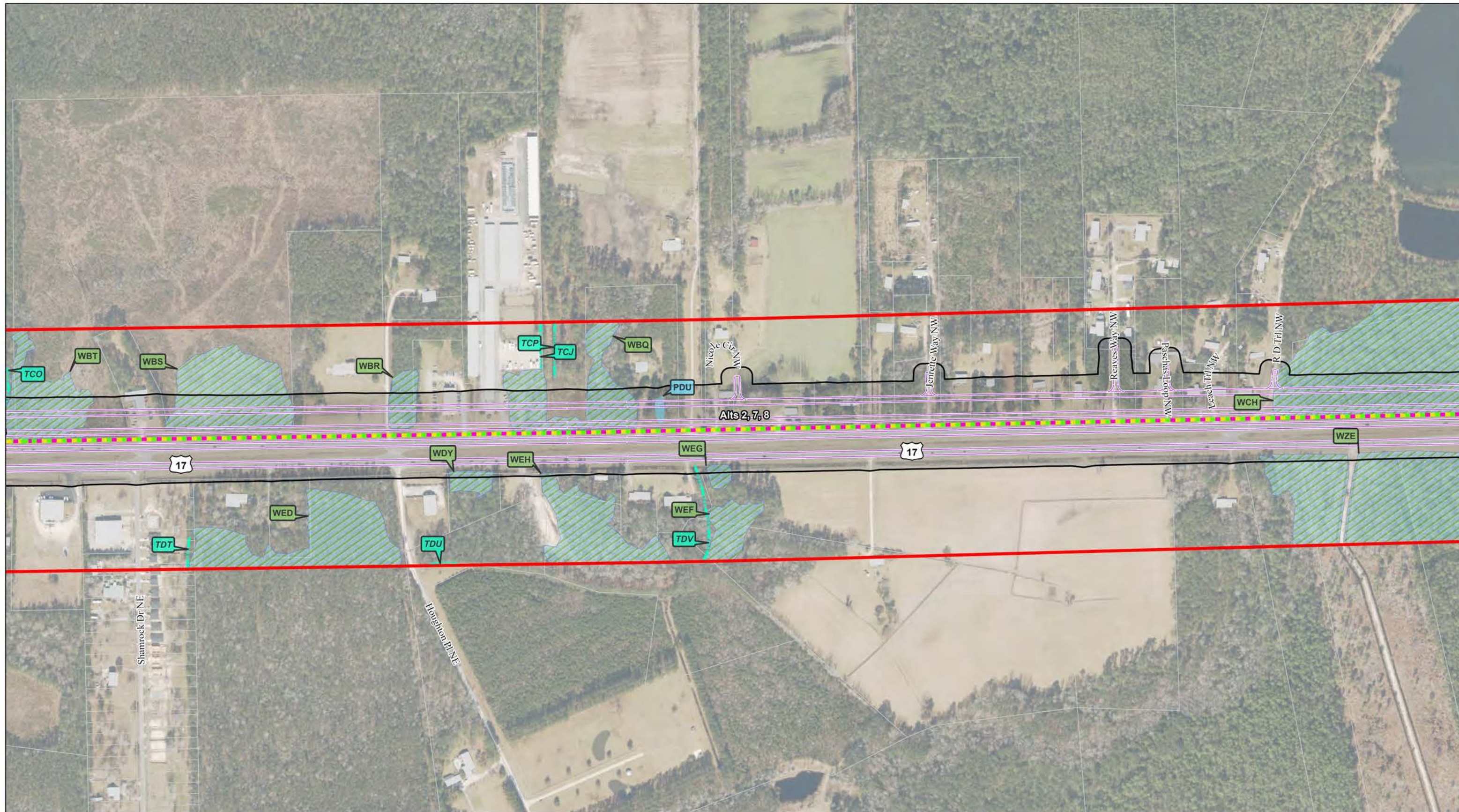
400 200 0 400 Feet
   
 1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5
   
 Figure Date: 9/15/2021

NCDOT Project R-5876
   
 Brunswick County

SCDOT Project No. P029554
   
 Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 31**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (Proposed)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

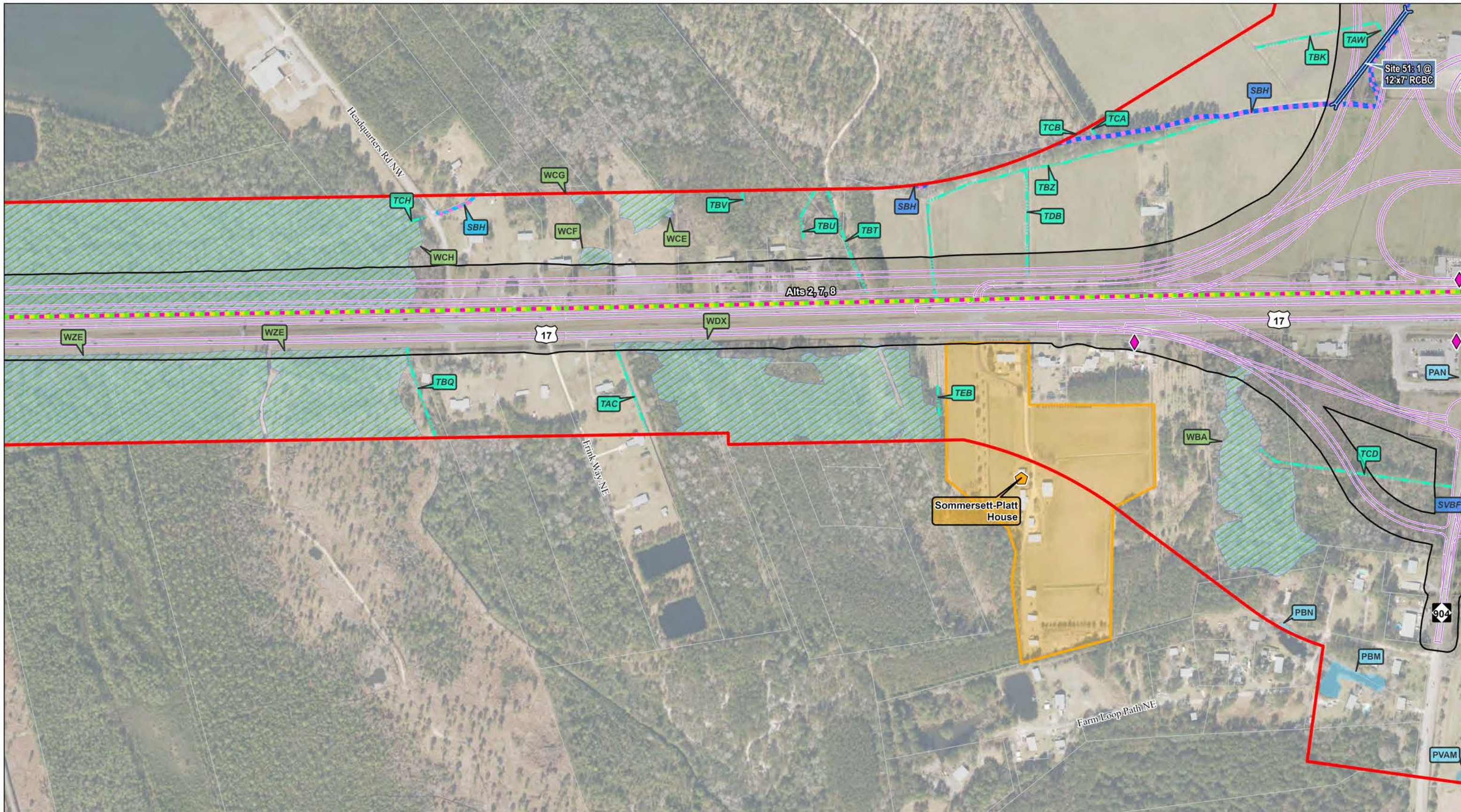
400 200 0 400 Feet  
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 32**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

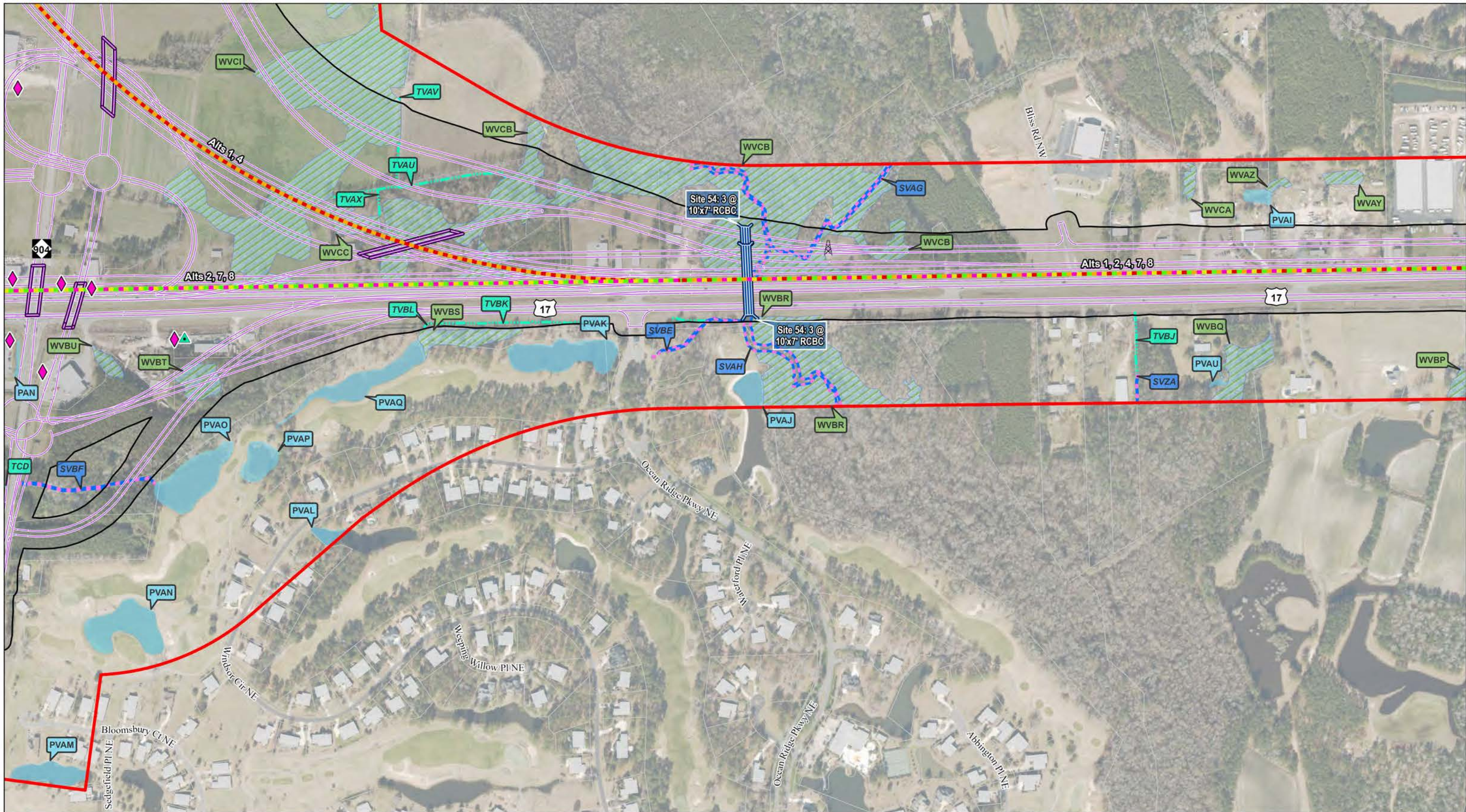
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 33



<ul style="list-style-type: none"> <li><span style="color: red;">—</span> Alternative 1</li> <li><span style="color: orange;">—</span> Alternative 1A</li> <li><span style="color: green;">—</span> Alternative 2</li> <li><span style="color: yellow;">—</span> Alternative 4</li> <li><span style="color: lightorange;">—</span> Alternative 4A</li> <li><span style="color: magenta;">—</span> Alternative 7</li> <li><span style="color: yellow;">—</span> Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: purple;">—</span> Edge of Travel (Proposed)</li> <li><span style="color: purple;">—</span> Bridge (Proposed)</li> <li><span style="color: blue;">—</span> Culvert / Pipe (Proposed)</li> <li><span style="border: 1px solid gray; display: inline-block; width: 10px; height: 10px;"></span> Slope Stakes + 40 ft (Proposed)</li> <li><span style="color: blue;">—</span> Perennial Stream</li> <li><span style="color: blue;">—</span> Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: blue;">—</span> Intermittent Stream</li> <li><span style="color: blue;">—</span> Intermittent Stream (High Quality Water)</li> <li><span style="color: blue;">—</span> Tributary</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Wetland</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Pond</li> <li><span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Historic Property (Recommended Eligible)</li> <li><span style="background-color: pink; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 1px solid orange; display: inline-block; width: 10px; height: 10px;"></span> NR-Eligible Boundary (Recommended)</li> <li><span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px;"></span> Alternative Corridors (1,000 foot)</li> <li><span style="border: 1px solid red; display: inline-block; width: 10px; height: 10px;"></span> Previous STIP Project (Study Area)</li> <li><span style="color: green;">●</span> Fire Station</li> <li><span style="color: magenta;">◆</span> Geoenvironmental Site</li> <li><span style="color: green;">▲</span> NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: blue;">●</span> Wastewater Treatment Plant</li> <li><span style="color: black;">⦿</span> Water Tower</li> <li><span style="color: black;">⦿</span> Substation</li> <li><span style="color: black;">⦿</span> Communication Tower</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Floodway</li> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> 100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li><span style="background-color: lightblue; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Essential Fish Habitat</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Private Natural Area</li> <li><span style="background-color: lightgreen; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Public Park</li> <li><span style="background-color: gray; border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span> Building Footprint</li> <li><span style="border: 1px solid gray; display: inline-block; width: 10px; height: 10px;"></span> Parcel</li> <li><span style="border: 1px solid yellow; display: inline-block; width: 10px; height: 10px;"></span> County Boundary</li> </ul>
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**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

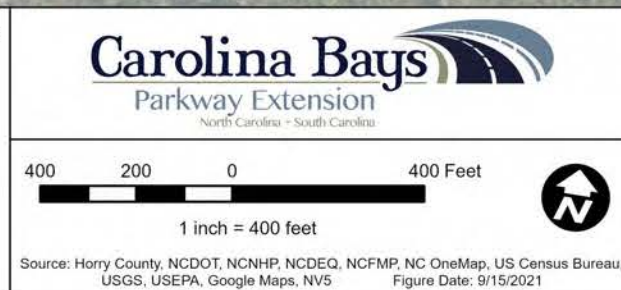
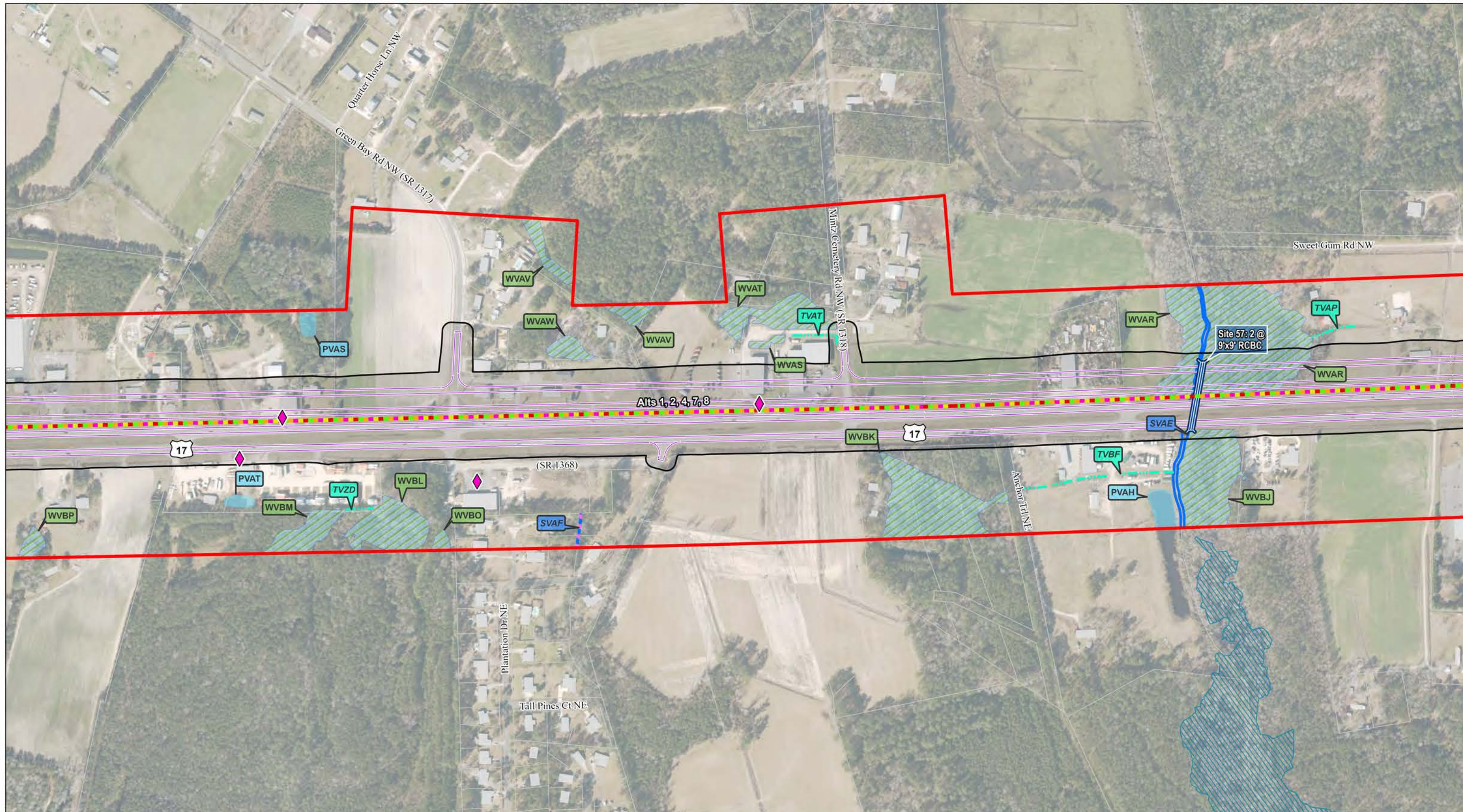
1 inch = 400 feet

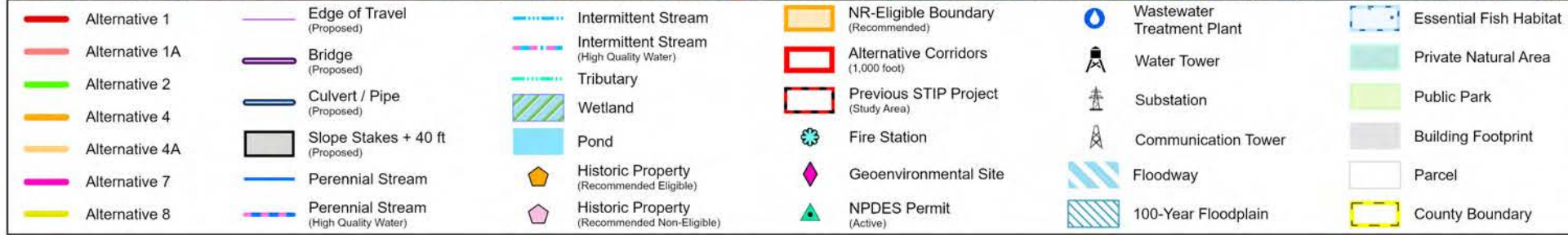
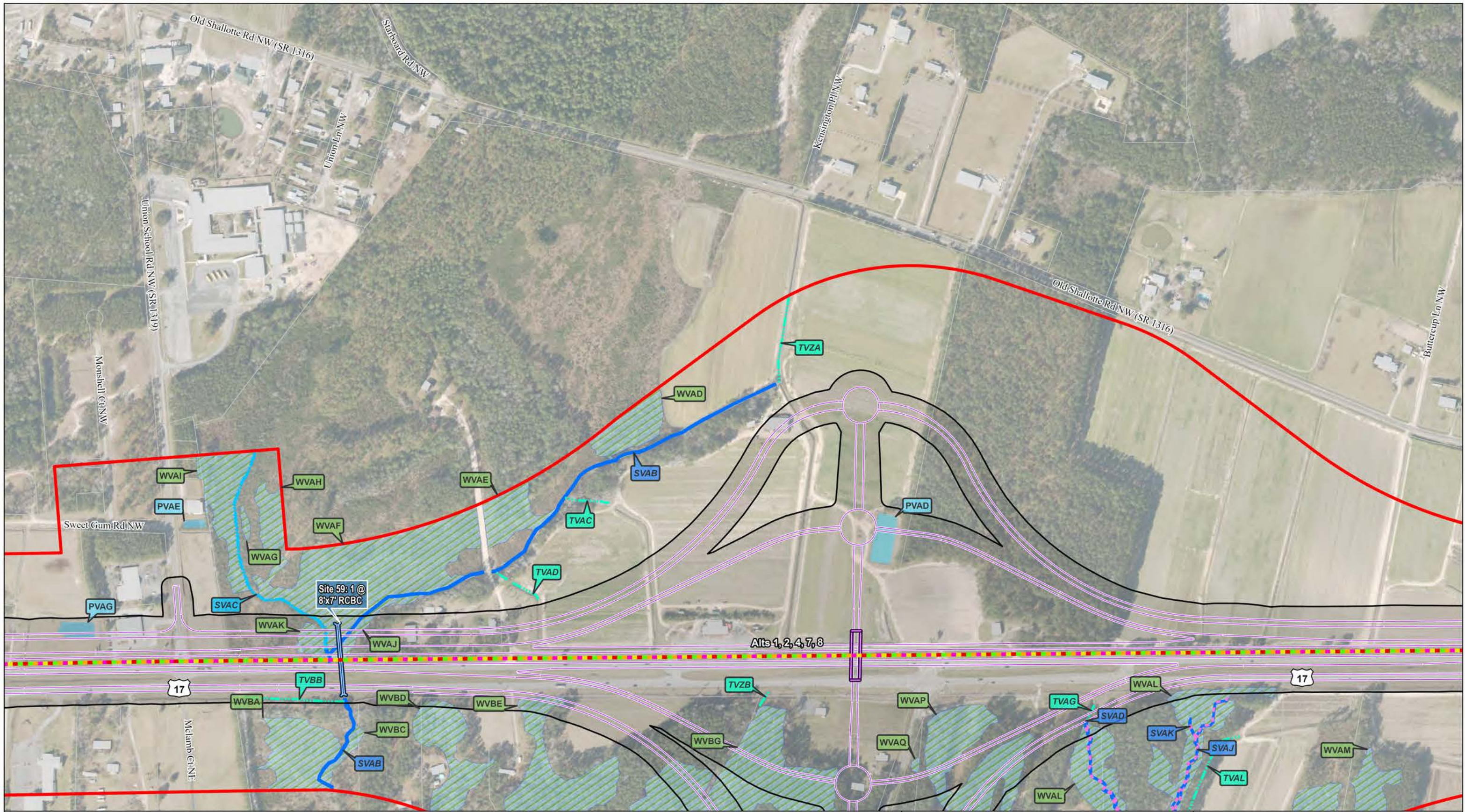
Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 34**





**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

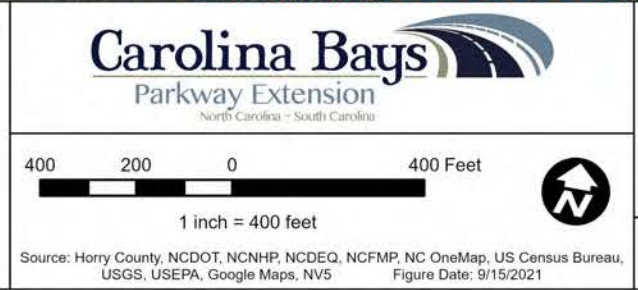
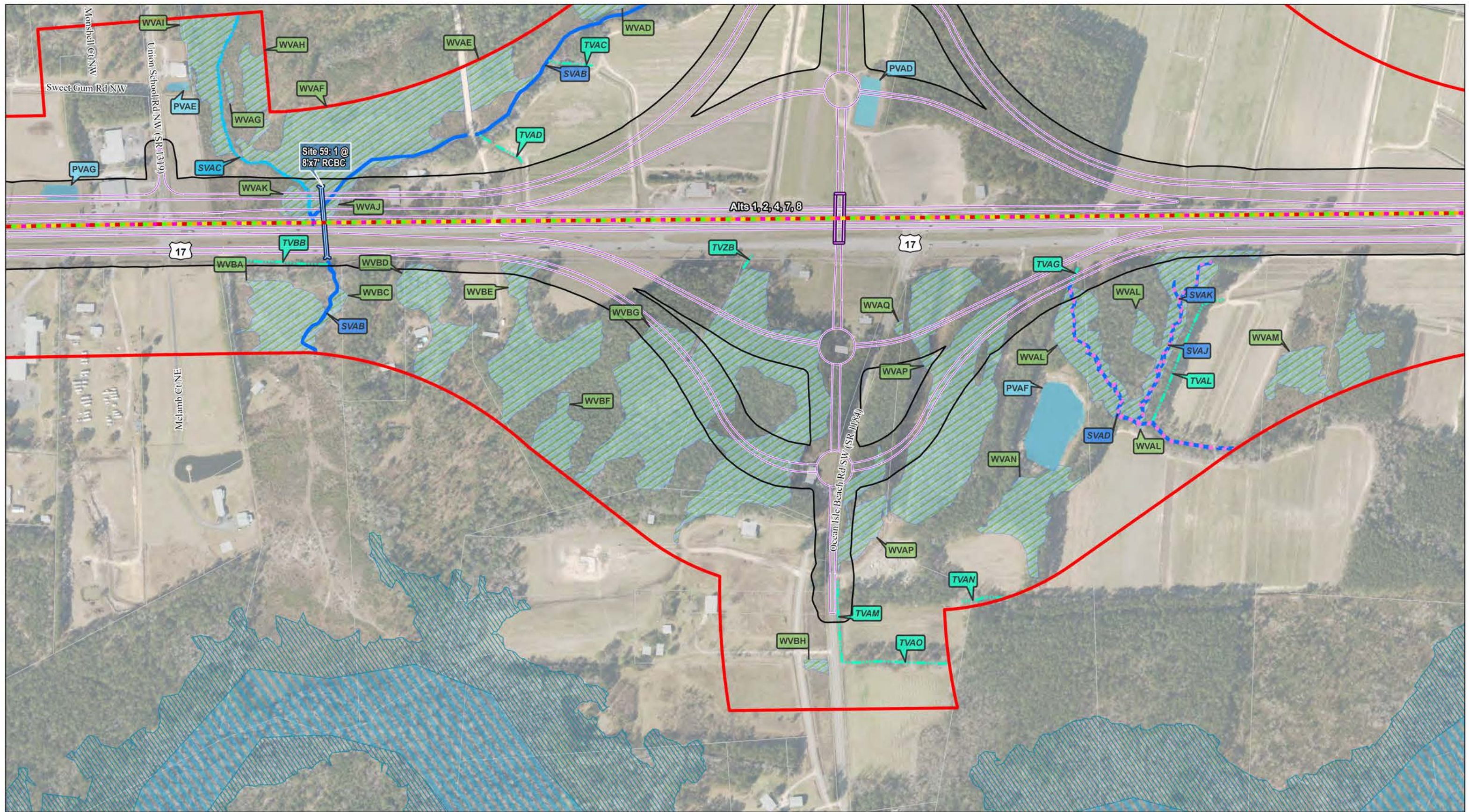
**NCDOT Project R-5876**  
Brunswick County

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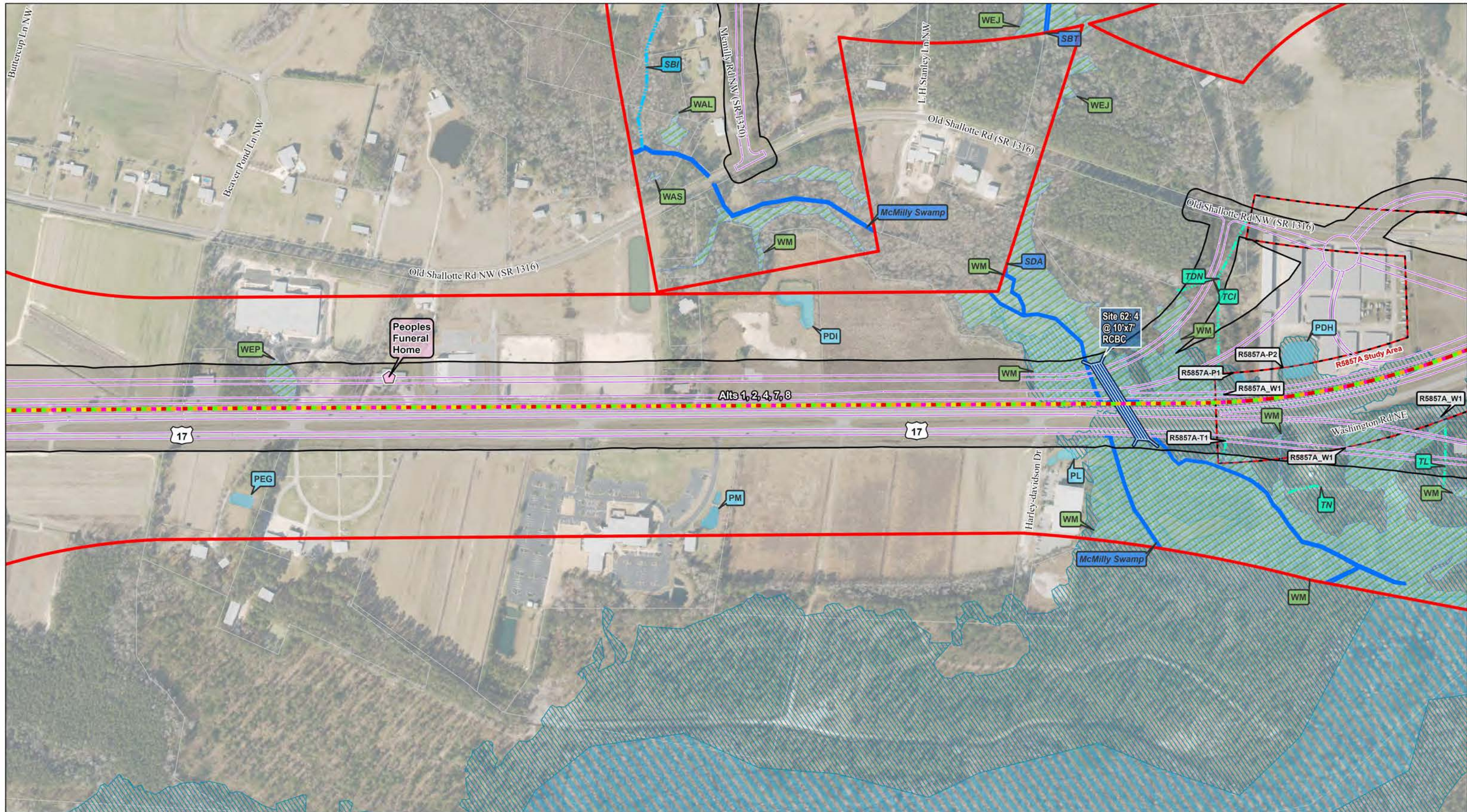
**SCDOT Project No. P029554**  
Horry County

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**Figure 3 - DSAs, Hydraulic Sites,  
& Environmental Features - Sheet 36**







Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (High Quality Water)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (Tributary)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Wetland	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Pond	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Historic Property (Recommended Eligible)	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Non-Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8					

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

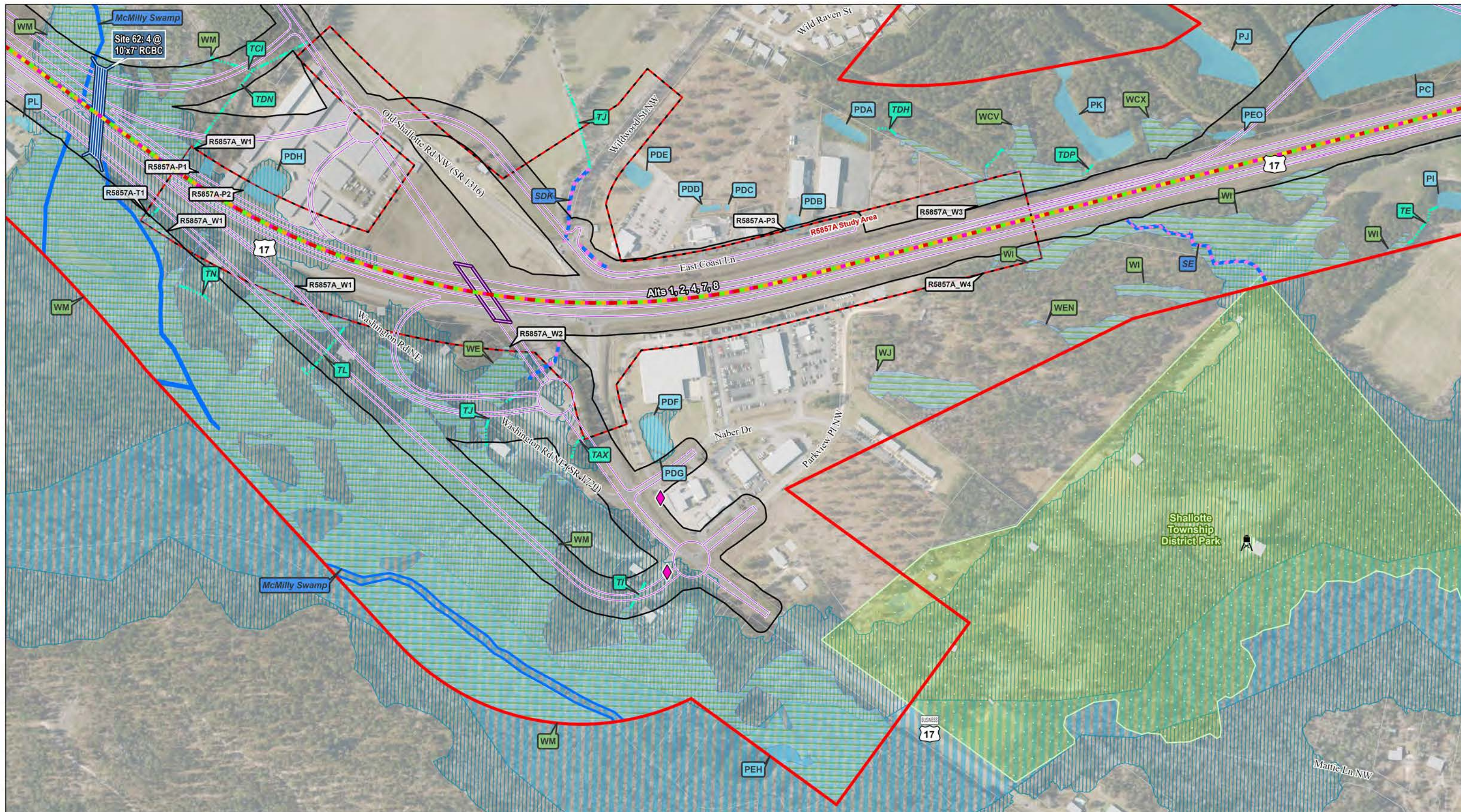
400 200 0 400 Feet  
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 38**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet  
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 39**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

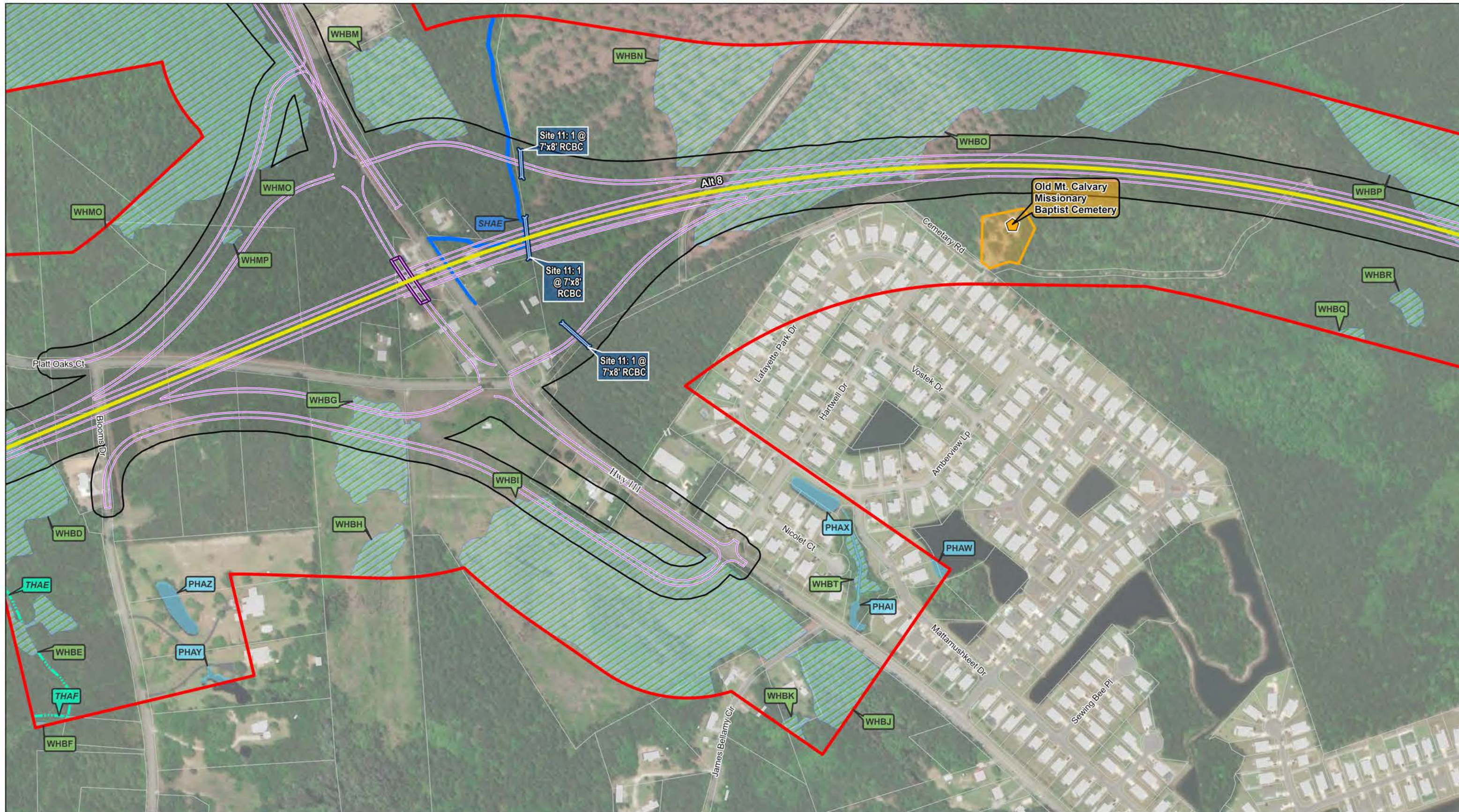
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 40**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

400    200    0    400 Feet

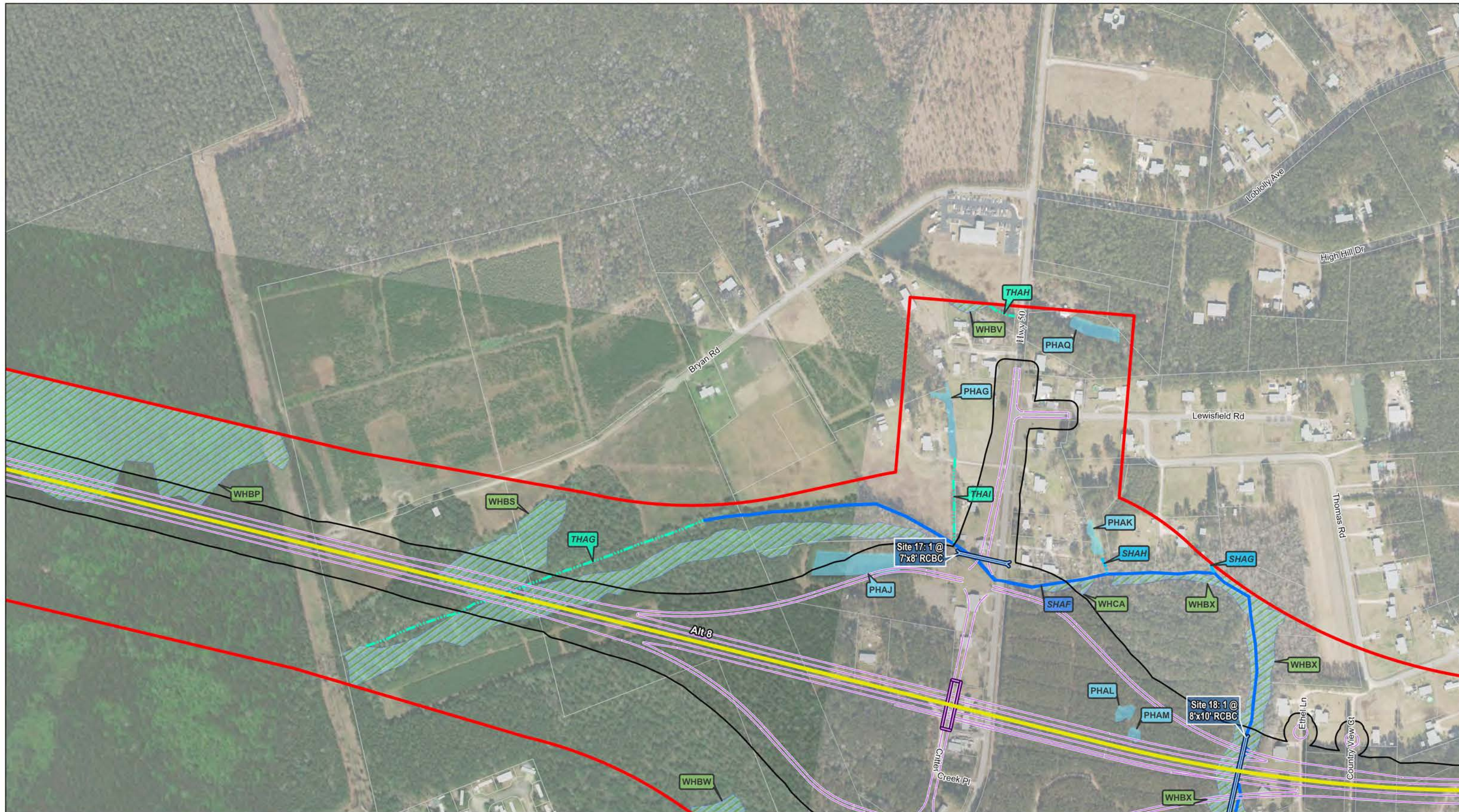
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5      Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 41**



<ul style="list-style-type: none"> <li><span style="color: red;">—</span> Alternative 1</li> <li><span style="color: orange;">—</span> Alternative 1A</li> <li><span style="color: green;">—</span> Alternative 2</li> <li><span style="color: yellow;">—</span> Alternative 4</li> <li><span style="color: lightblue;">—</span> Alternative 4A</li> <li><span style="color: magenta;">—</span> Alternative 7</li> <li><span style="color: cyan;">—</span> Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: purple;">—</span> Edge of Travel (Proposed)</li> <li><span style="color: blue;">—</span> Bridge (Proposed)</li> <li><span style="color: black;">—</span> Culvert / Pipe (Proposed)</li> <li><span style="border: 1px solid black; padding: 2px;"> </span> Slope Stakes + 40 ft (Proposed)</li> <li><span style="color: blue;">—</span> Perennial Stream</li> <li><span style="color: blue;">—</span> Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: cyan;">—</span> Intermittent Stream</li> <li><span style="color: cyan;">—</span> Intermittent Stream (High Quality Water)</li> <li><span style="color: cyan;">—</span> Tributary</li> <li><span style="background-color: lightgreen; border: 1px solid black;"> </span> Wetland</li> <li><span style="background-color: lightblue; border: 1px solid black;"> </span> Pond</li> <li><span style="background-color: yellow; border: 1px solid black;"> </span> Historic Property (Recommended Eligible)</li> <li><span style="background-color: lightyellow; border: 1px solid black;"> </span> Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li><span style="border: 2px solid orange; padding: 2px;"> </span> NR-Eligible Boundary (Recommended)</li> <li><span style="border: 2px solid red; padding: 2px;"> </span> Alternative Corridors (1,000 foot)</li> <li><span style="border: 2px solid black; padding: 2px;"> </span> Previous STIP Project (Study Area)</li> <li><span style="color: green;">*</span> Fire Station</li> <li><span style="color: magenta;">♦</span> Geoenvironmental Site</li> <li><span style="color: green;">▲</span> NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li><span style="color: blue;">●</span> Wastewater Treatment Plant</li> <li><span style="color: black;">⦿</span> Water Tower</li> <li><span style="color: black;">⦿</span> Substation</li> <li><span style="color: black;">⦿</span> Communication Tower</li> <li><span style="background-color: lightblue; border: 1px solid black;"> </span> Floodway</li> <li><span style="background-color: lightblue; border: 1px solid black;"> </span> 100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li><span style="background-color: lightblue; border: 1px solid black;"> </span> Essential Fish Habitat</li> <li><span style="background-color: lightgreen; border: 1px solid black;"> </span> Private Natural Area</li> <li><span style="background-color: lightgreen; border: 1px solid black;"> </span> Public Park</li> <li><span style="background-color: lightgrey; border: 1px solid black;"> </span> Building Footprint</li> <li><span style="border: 1px solid black;"> </span> Parcel</li> <li><span style="border: 2px solid yellow; padding: 2px;"> </span> County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

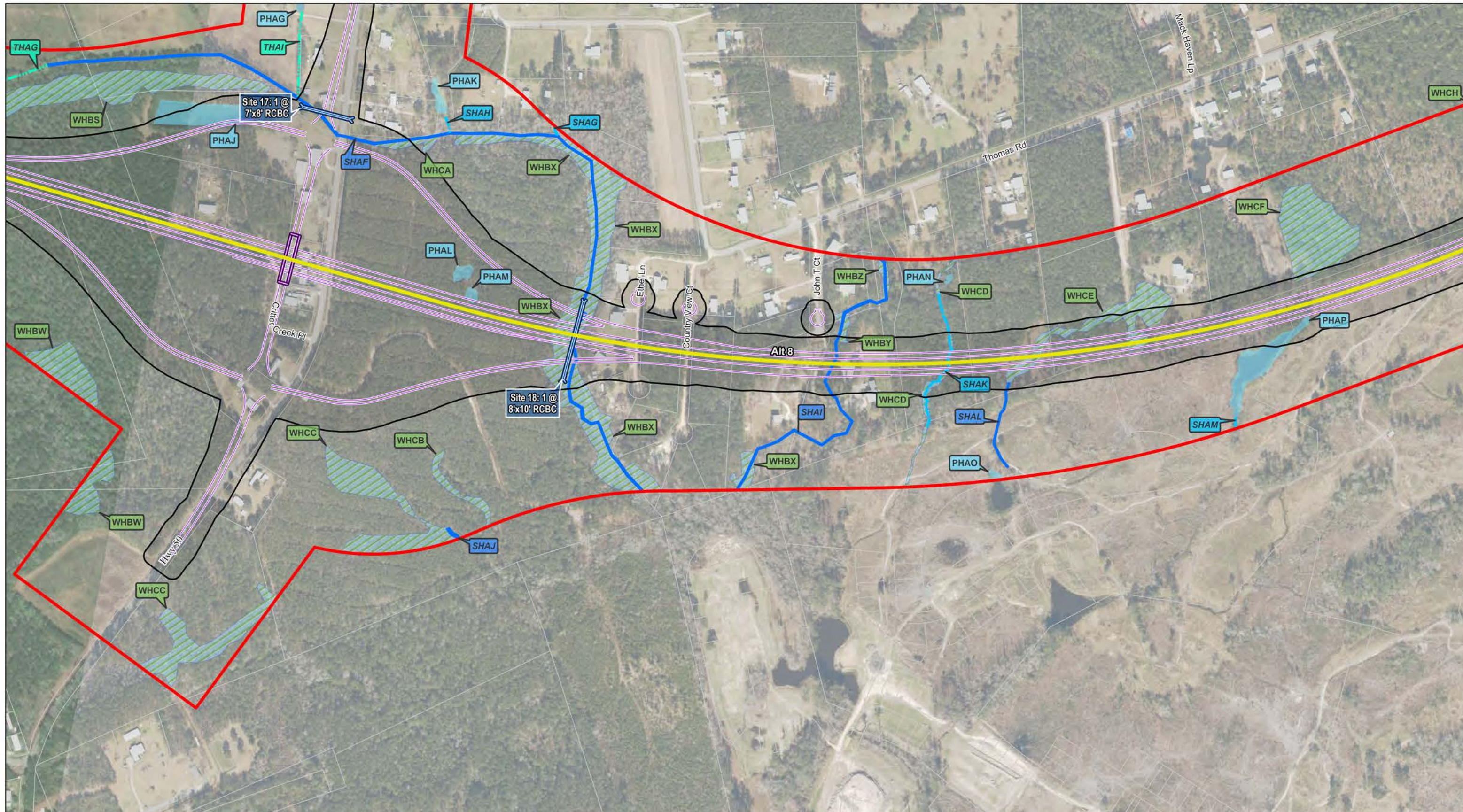
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 42**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (High Quality Water)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (Tributary)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Wetland	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Pond	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Historic Property (Recommended Eligible)	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Non-Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8					

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

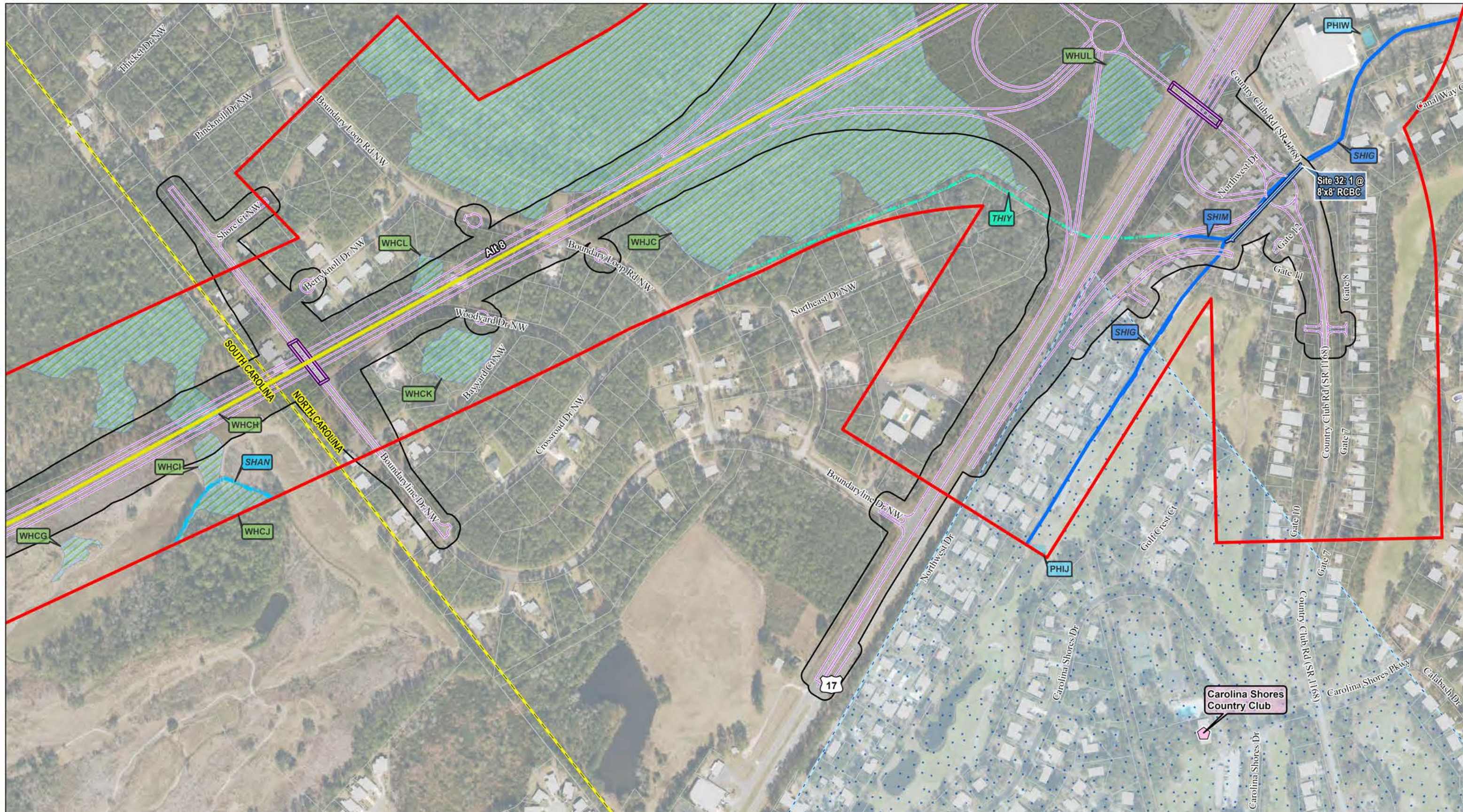
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1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 43**



Alternative 1	Edge of Travel (Proposed)	Intermittent Stream (Proposed)	NR-Eligible Boundary (Recommended)	Wastewater Treatment Plant	Essential Fish Habitat
Alternative 1A	Bridge (Proposed)	Intermittent Stream (High Quality Water)	Alternative Corridors (1,000 foot)	Water Tower	Private Natural Area
Alternative 2	Culvert / Pipe (Proposed)	Tributary	Previous STIP Project (Study Area)	Substation	Public Park
Alternative 4	Slope Stakes + 40 ft (Proposed)	Wetland	Fire Station	Communication Tower	Building Footprint
Alternative 4A	Perennial Stream	Pond	Geoenvironmental Site	Floodway	Parcel
Alternative 7	Perennial Stream (High Quality Water)	Historic Property (Recommended Eligible)	NPDES Permit (Active)	100-Year Floodplain	County Boundary
Alternative 8		Historic Property (Recommended Non-Eligible)			

**Carolina Bays**  
Parkway Extension  
North Carolina - South Carolina

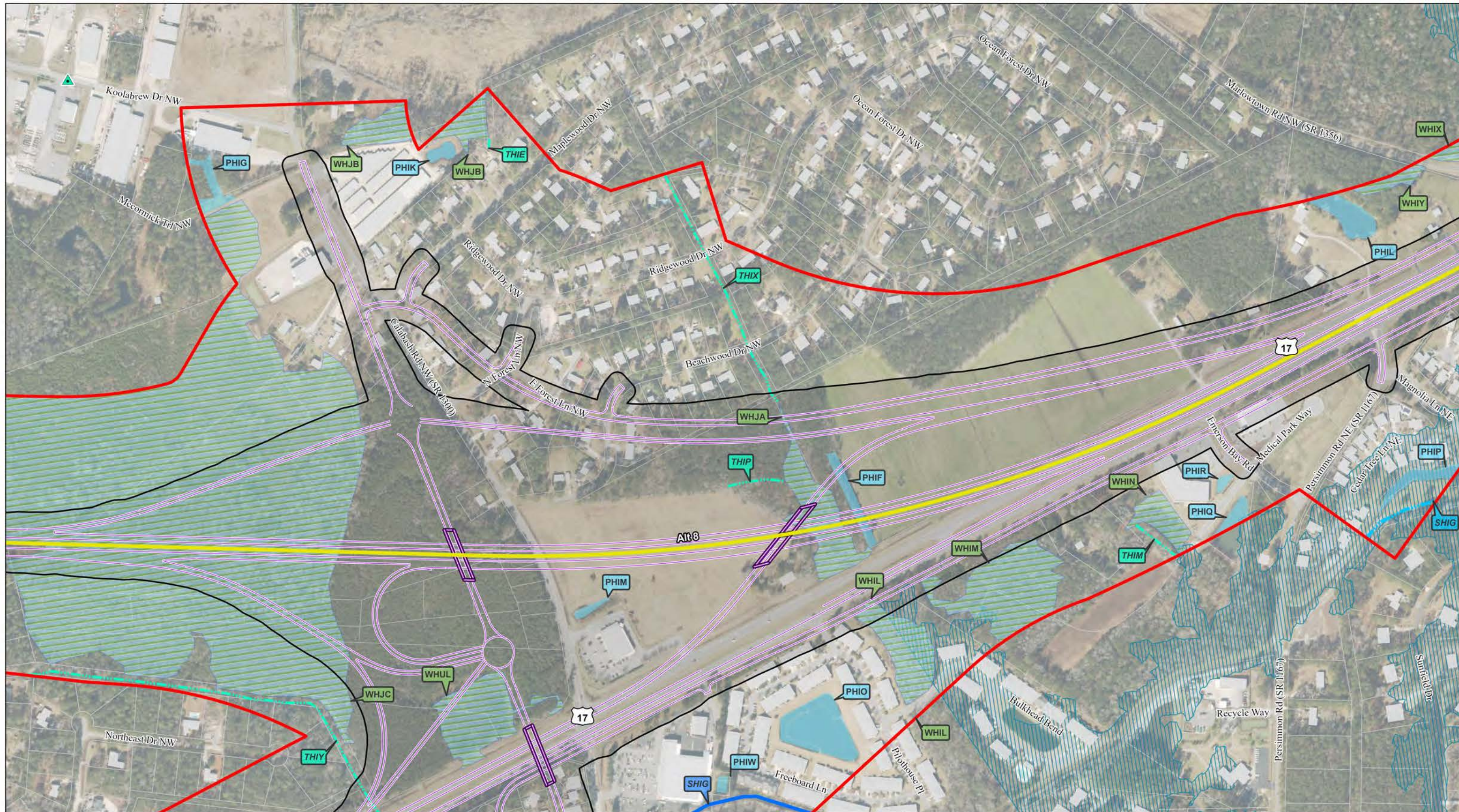
400 200 0 400 Feet  
1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 44**



<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

1 inch = 400 feet

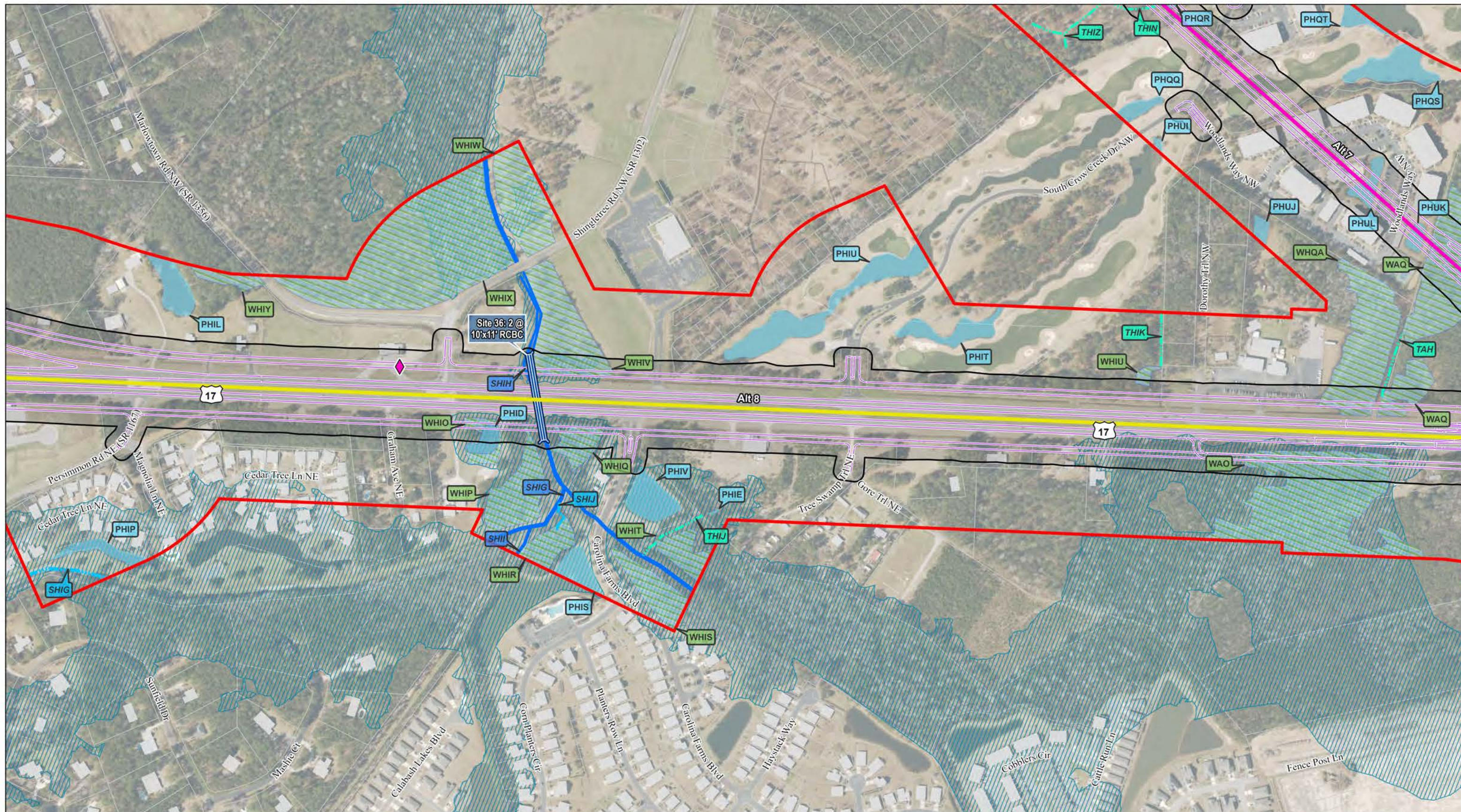
**NCDOT Project R-5876**  
Brunswick County

**SCDOT Project No. P029554**  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 45**

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021





<ul style="list-style-type: none"> <li>Alternative 1</li> <li>Alternative 1A</li> <li>Alternative 2</li> <li>Alternative 4</li> <li>Alternative 4A</li> <li>Alternative 7</li> <li>Alternative 8</li> </ul>	<ul style="list-style-type: none"> <li>Edge of Travel (Proposed)</li> <li>Bridge (Proposed)</li> <li>Culvert / Pipe (Proposed)</li> <li>Slope Stakes + 40 ft (Proposed)</li> <li>Perennial Stream</li> <li>Perennial Stream (High Quality Water)</li> </ul>	<ul style="list-style-type: none"> <li>Intermittent Stream</li> <li>Intermittent Stream (High Quality Water)</li> <li>Tributary</li> <li>Wetland</li> <li>Pond</li> <li>Historic Property (Recommended Eligible)</li> <li>Historic Property (Recommended Non-Eligible)</li> </ul>	<ul style="list-style-type: none"> <li>NR-Eligible Boundary (Recommended)</li> <li>Alternative Corridors (1,000 foot)</li> <li>Previous STIP Project (Study Area)</li> <li>Fire Station</li> <li>Geoenvironmental Site</li> <li>NPDES Permit (Active)</li> </ul>	<ul style="list-style-type: none"> <li>Wastewater Treatment Plant</li> <li>Water Tower</li> <li>Substation</li> <li>Communication Tower</li> <li>Floodway</li> <li>100-Year Floodplain</li> </ul>	<ul style="list-style-type: none"> <li>Essential Fish Habitat</li> <li>Private Natural Area</li> <li>Public Park</li> <li>Building Footprint</li> <li>Parcel</li> <li>County Boundary</li> </ul>
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Carolina Bays  
Parkway Extension  
North Carolina - South Carolina

400 200 0 400 Feet

1 inch = 400 feet

Source: Horry County, NCDOT, NCNHP, NCDEQ, NCFMP, NC OneMap, US Census Bureau, USGS, USEPA, Google Maps, NV5  
Figure Date: 9/15/2021

NCDOT Project R-5876  
Brunswick County

SCDOT Project No. P029554  
Horry County

**Figure 3 - DSAs, Hydraulic Sites, & Environmental Features - Sheet 46**