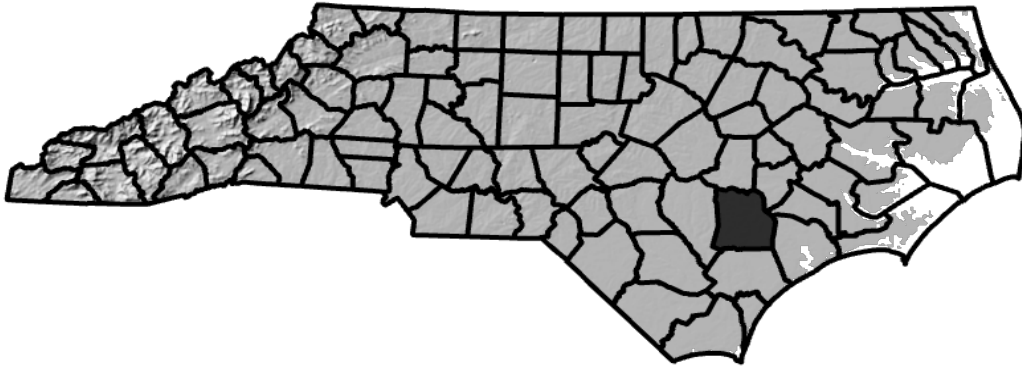


ANNUAL REPORT FOR 2025



**Cypress Creek Road Mitigation Site
Duplin County
TIP #: B-5632
COE Action ID: SAW-2017-00468
NCDWR Project #: 20230132**



Prepared By:
Roadside Environmental Unit & Environmental Analysis Unit
North Carolina Department of Transportation
September 2025

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SUMMARY

The Cypress Creek Road Mitigation Site is located on SR 1828 Cypress Creek Road in Duplin County. The site was planted in February 2025. This site was designed as mitigation for wetland impacts associated with TIP No. B-5632 Bridge No. 187 over Back Swamp on Cypress Creek Road.

NCDOT will perform on-site mitigation with the restoration of 0.208 acres of riverine wetland restoration. The restoration was completed via the removal of the existing roadway fill associated with Bridge No. 187 replacement. The area was graded to match the adjacent wetland elevation. The wetland restoration area was seeded and mulched and planted with the appropriate wetland tree species. NCDOT is required to monitor the site for a minimum of three years or until the site is deemed successful.

After the first year of monitoring by visual observation, the Cypress Creek Road Mitigation Site shows that the planted species are surviving. NCDOT proposes to continue vegetation monitoring at the Cypress Creek Road Mitigation Site in 2026.

1.0 INTRODUCTION

1.1 Project Description

The Cypress Creek Road Mitigation Site is located at Bridge No. 187 over Back Swamp on SR 1828 Cypress Creek Road in Duplin County (Figure 1). The site consists of approximately 0.208 acres of wetland restoration for wetland impacts associated with TIP No. B-5632.

1.2 Purpose

In order for a mitigation site to be considered successful, the site must meet vegetation success criteria. This report details the vegetation monitoring in 2025 at the Cypress Creek Road Mitigation Site.

1.3 Project History

February 2025	Wetland Reforestation
August 2025	Vegetation Monitoring (Year 1)
September 2025	Japanese Knotweed Herbicide Application

1.4 Debit Ledger

The entire Cypress Creek Road Mitigation Site was used for the B-5632 project to compensate for unavoidable wetland impacts.

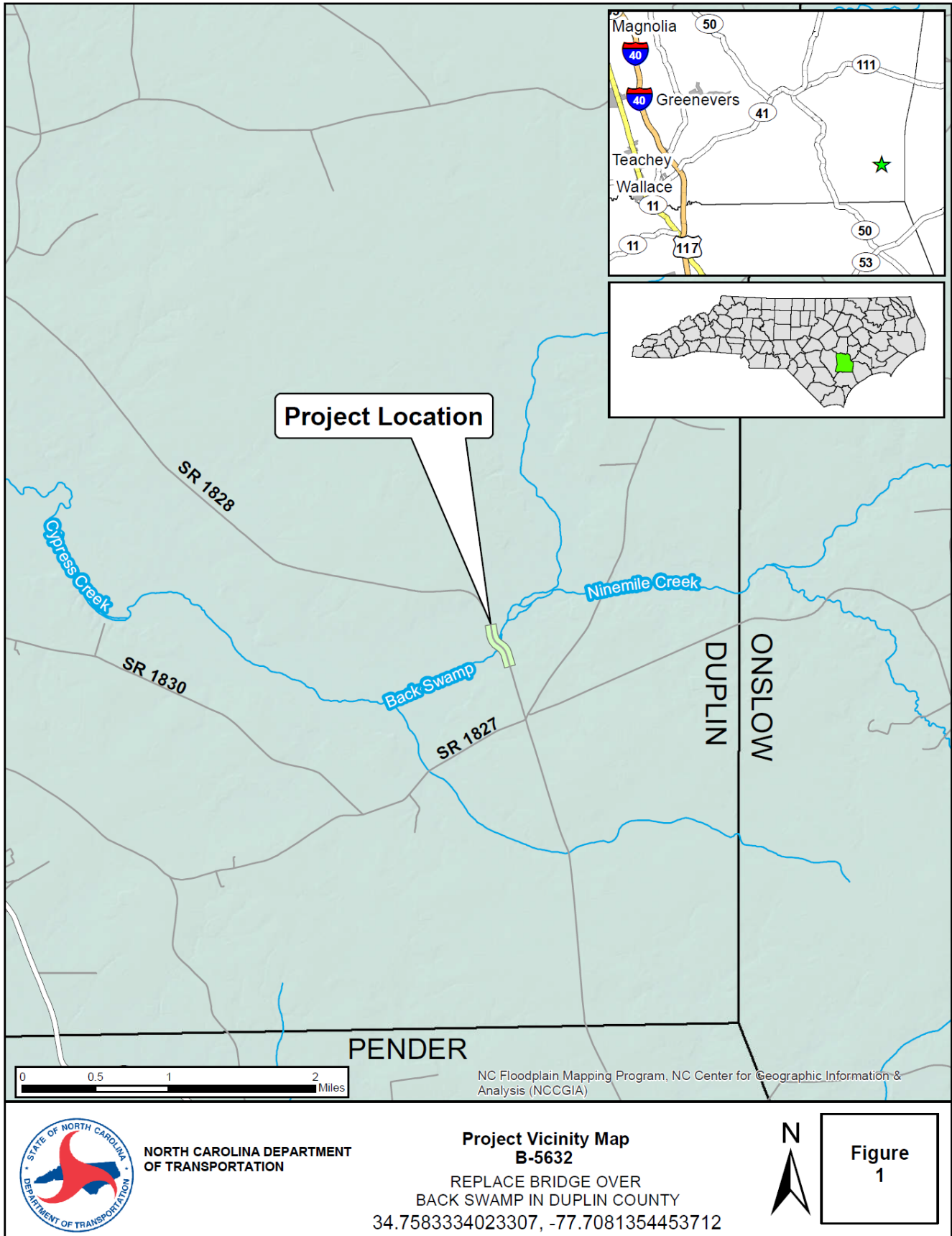


Figure 1. Vicinity Map

2.0 VEGETATION: CYPRESS CREEK ROAD MITIGATION SITE (YEAR 1 MONITORING)

2.1 Success Criteria

NCDOT shall monitor the restoration site by visual observation and photo points for survival and aerial cover of vegetation. NCDOT shall monitor the site for a minimum of three years or until the site is deemed successful. Monitoring will be initiated upon completion of the site planting.

2.2 Description of Species

The following wetland species were planted in the Wetland Restoration Area:

Taxodium distichum, Baldcypress

Quercus nigra, Water Oak

Nyssa biflora, Swamp Blackgum

Chamaecyparis thyoides, Atlantic White Cedar

2.3 Results of Vegetation Monitoring

The wetland restoration area was visually inspected. The planted species that were noted surviving included baldcypress, water oak, and swamp blackgum. Other species noted within the planted area included cattail, woolgrass, black willow, sweetgum, sycamore, buttonbush, Japanese knotweed and various grasses. Back Swamp was out of its banks and the entire site was inundated at the time of monitoring.

Japanese Knotweed that was noted onsite was sprayed on September 18, 2025.

2.4 Conclusions

By visual observation, the Cypress Creek Road Mitigation Site shows that the planted species are surviving.

3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

NCDOT proposes to continue vegetation monitoring at the Cypress Creek Road Mitigation Site in 2026.

APPENDIX A

SITE PHOTOS & SITE MAPS

Cypress Creek Road Mitigation Site



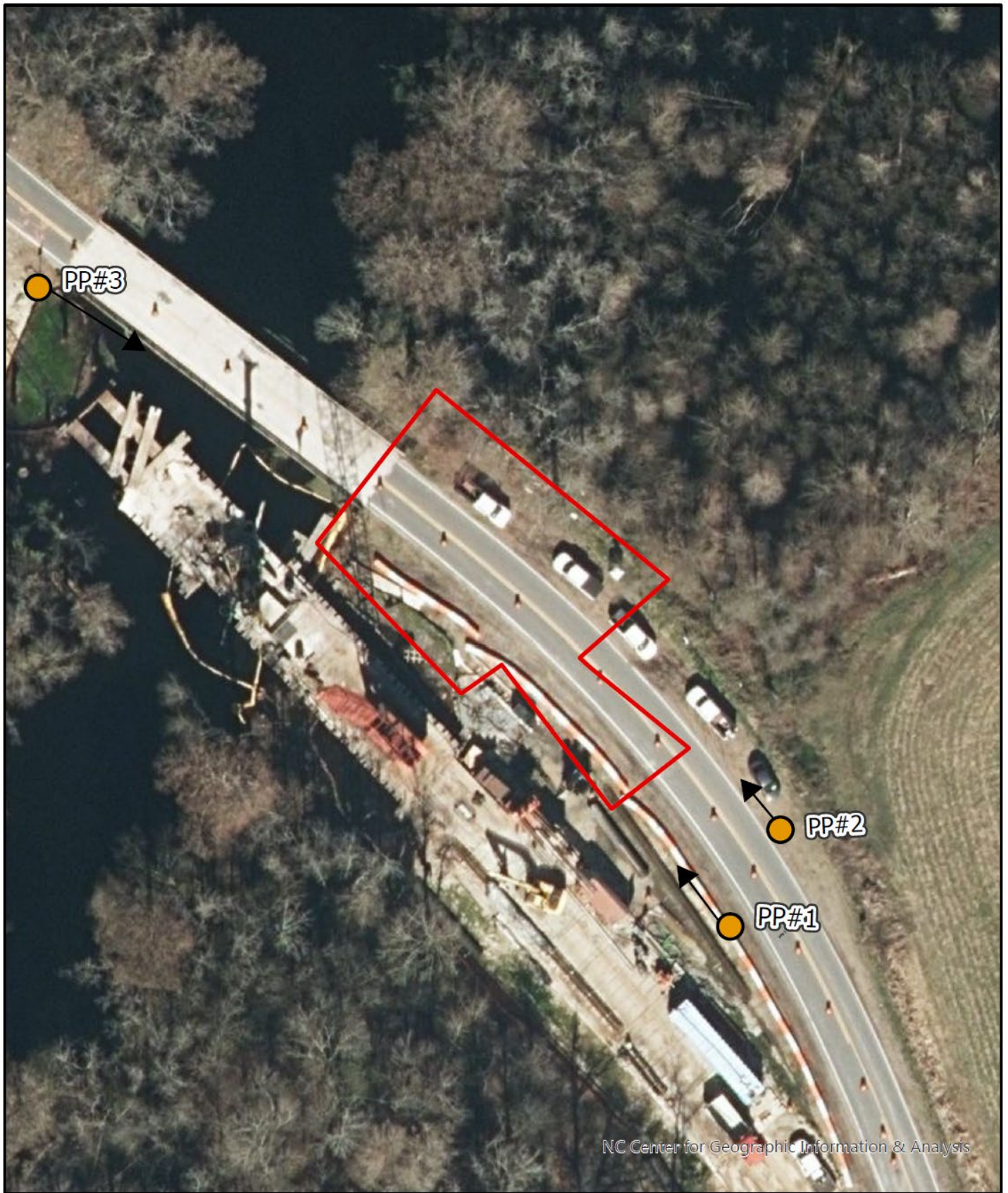
Photo Point #1 (8-19-25)






Photo Point #2 (8-19-25)




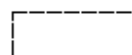

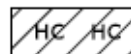
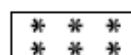
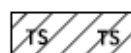
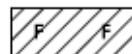
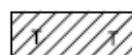
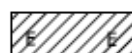
Photo Point #3 (9-18-25)



NC Center for Geographic Information & Analysis

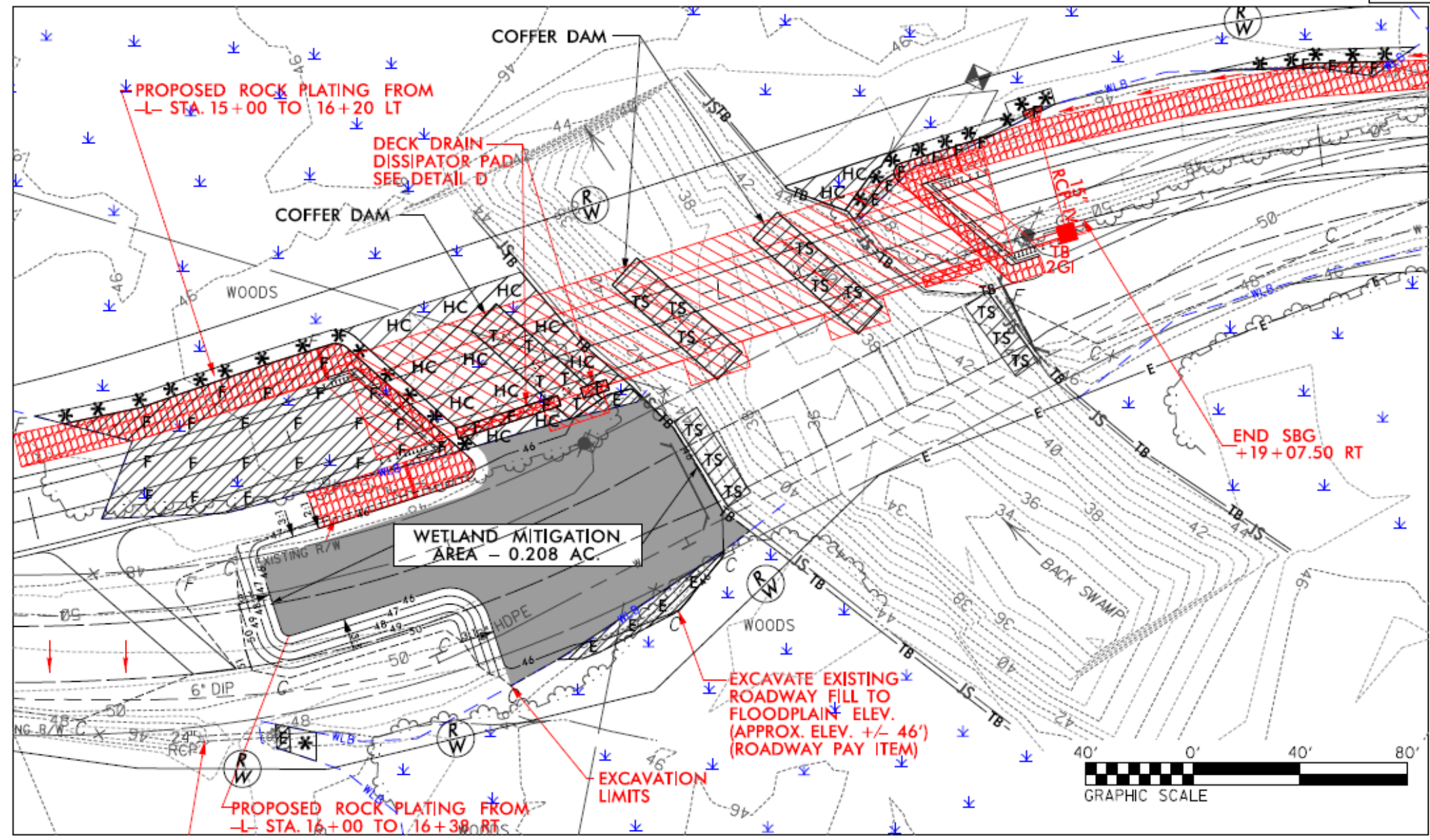
	<p style="text-align: center;">Site Map - Photo Point Locations B-5632 Cypress Creek Road Mitigation Site Duplin County, North Carolina</p> <p style="text-align: center;">0 40 80 160 US Feet</p> 	
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LEGEND

-  WETLAND MITIGATION AREA
-  EXIST. ROADWAY FILL EXCAVATION, (SEE CROSS-SECTIONS)
-  TEMPORARY WORK BRIDGE
-  DENOTES HAND CLEARING
-  DENOTES MECHANIZED CLEARING
-  DENOTES TEMPORARY IMPACTS IN SURFACE WATER
-  DENOTES PERMANENT FILL IN WETLAND
-  DENOTES TEMPORARY FILL IN WETLAND
-  DENOTES EXCAVATION IN WETLAND



PROJECT REFERENCE S-5632	SHEET NO. 4A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<small>MOTT MACDONALD & S. INC.</small> <small>PERMIT NO. 14845</small>	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
Prepared by: M	Office of: M
<small>1501 Parker Road, Suite 103</small> <small>Plymouth, NC 27569</small> <small>www.mottmac.com</small>	
PERMIT DRAWING SHEET 4 OF 9	



ENLARGED PLAN SITE 1

Site Map: Permit Drawing

1/19/2023
 MOTT MACDONALD
 R:\Hydro\GIS\PERMITS_Environmental\Drawings\85632_hyd_perm_wet_per04A.dgn