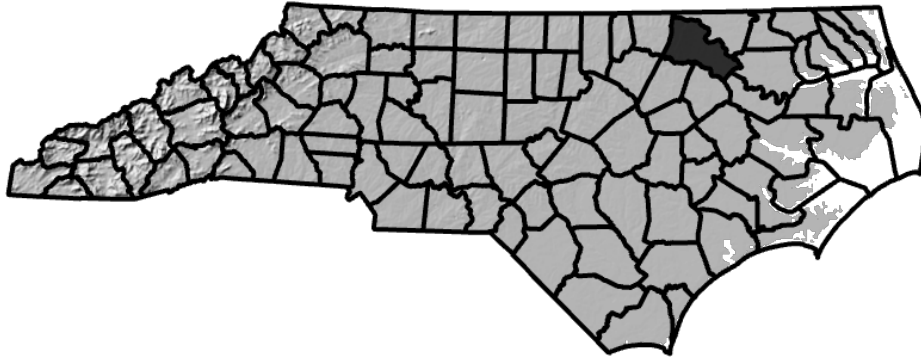


ANNUAL REPORT FOR 2025



**Br. 93 over Conoconnara Swamp on NC 561 Temporary Impact Site
Halifax County
TIP No. B-5662
COE Action ID: SAW-2020-004609
DWR Project #: 20200544 ver. 2**



Prepared By:
Roadside Environmental Unit and Environmental Analysis Unit
North Carolina Department of Transportation
October 2025

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APPENDICES

Appendix A – Site Photos and Site Map

SUMMARY

The Bridge No. 93 over Conoconnara Swamp on NC 561 Temporary Impact Site is located in Halifax County. This is an annual report for temporary impacts associated with TIP No. B-5662 bridge replacement of Bridge No. 93 over Conoconnara Swamp on NC 561, hereafter, referred to as Conoconnara Swamp Temporary Impact Site. Wetland reforestation was completed in the winter of 2024.

The temporary impacts encompass approximately 0.07 acres of temporary fill within wetlands for the temporary onsite detour. The area that was impacted is being monitored for two years to ensure that it re-attains wetland jurisdictional status.

A supplemental planting was attempted in April 2025. Limited seedlings were planted due to high water levels at the site due to beaver activity downstream off of NCDOT's ROW.

After the second year of monitoring, the Conoconnara Swamp Temporary Impact Site shows by visual observation that the temporarily impacted areas have re-attained jurisdictional wetland status. Seedlings were noted surviving.

NCDOT proposes to discontinue monitoring at the Conoconnara Swamp Temporary Impact Site.

1.0 INTRODUCTION

1.1 Project Description

The Conoconnara Swamp Temporary Impact Site is located in Halifax County (Figure 1). The temporary impacts encompass approximately 0.07 acres within wetlands for the temporary onsite detour route. The area that was impacted is being monitored for two years to ensure that it re-attains jurisdictional wetland status.

1.2 Purpose

In order for a temporary impact site to be considered successful, a site must meet the success criteria. This report details the monitoring in 2025 at the Conoconnara Swamp Temporary Impact Site.

1.3 Project History

Winter 2024	Wetland Reforestation Completed
July 2024	Vegetation Monitoring (Year 1)
April 2025	Supplemental Planting
July 2025	Vegetation Monitoring (Year 2)

1.4 Debit Ledger

The restoration of the Conoconnara Swamp Temporary Impact Site was used entirely to compensate for temporary impacts on the B-5662 project. There were no wetland mitigation credits generated from the restoration of the temporary impacted area.

2.0 VEGETATION: BR. #93 OVER CONOCONNARA SWAMP ON NC 561 TEMPORARY IMPACT SITE (YEAR 2 MONITORING)

2.1 Success Criteria

ACOE permit:

Condition 2: Due to the possibility that compaction and/or other site alterations might prevent the temporary wetland impact area from re-attaining jurisdictional wetland status; the permittee shall provide an update on the wetland areas temporarily impacted by the temporary on-site detour. This update shall be conducted two growing seasons after completion of the work and shall consist of photographs and a brief report on the progress of the areas in re-attaining wetland jurisdictional status. Upon submission of this update to the Corps of Engineers, Wilmington District (Corps), the permittee shall schedule a potential field meeting, if requested by the Corps, to determine if the wetland areas temporarily impacted by this project have re-attained jurisdictional wetland status. If the wetland areas temporarily impacted by this project have not re-attained jurisdictional wetland status, the Corps shall determine if compensatory wetland mitigation is to be required.

2.2 Description of Species

The following wetland species were planted in the temporary impact area:

Alnus serrulate, Tag Alder

Platanus occidentalis, Sycamore

Nyssa biflora, Swamp Blackgum

Taxodium distichum, Baldcypress

2.3 Results of Vegetation Monitoring

The impacted area where the temporary impacts occurred has re-attained jurisdictional wetland status. Tag Alder, Sycamore, Swamp Blackgum and Baldcypress seedlings were noted surviving onsite. Water level onsite was very high due to a beaver dam located downstream off of NCDOT's ROW. Other species noted within the temporary wetland impact area included green ash, red maple, buttonbush, and various grasses.

2.4 Conclusions

There were approximately 0.07 acres for the temporary impacts within wetlands for the temporary onsite detour route. There were no plots established on the site. By visual observation, the Conoconnara Swamp Temporary Impact Site shows that the impacted areas have re-attained jurisdictional wetland status.

3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

NCDOT proposes to discontinue monitoring at the Conoconnara Swamp Temporary Impact Site.

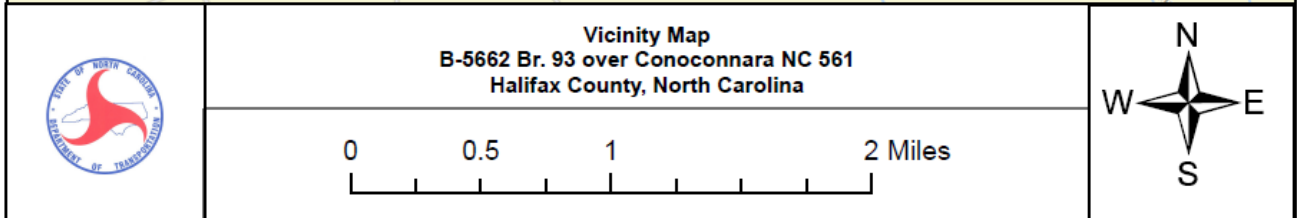
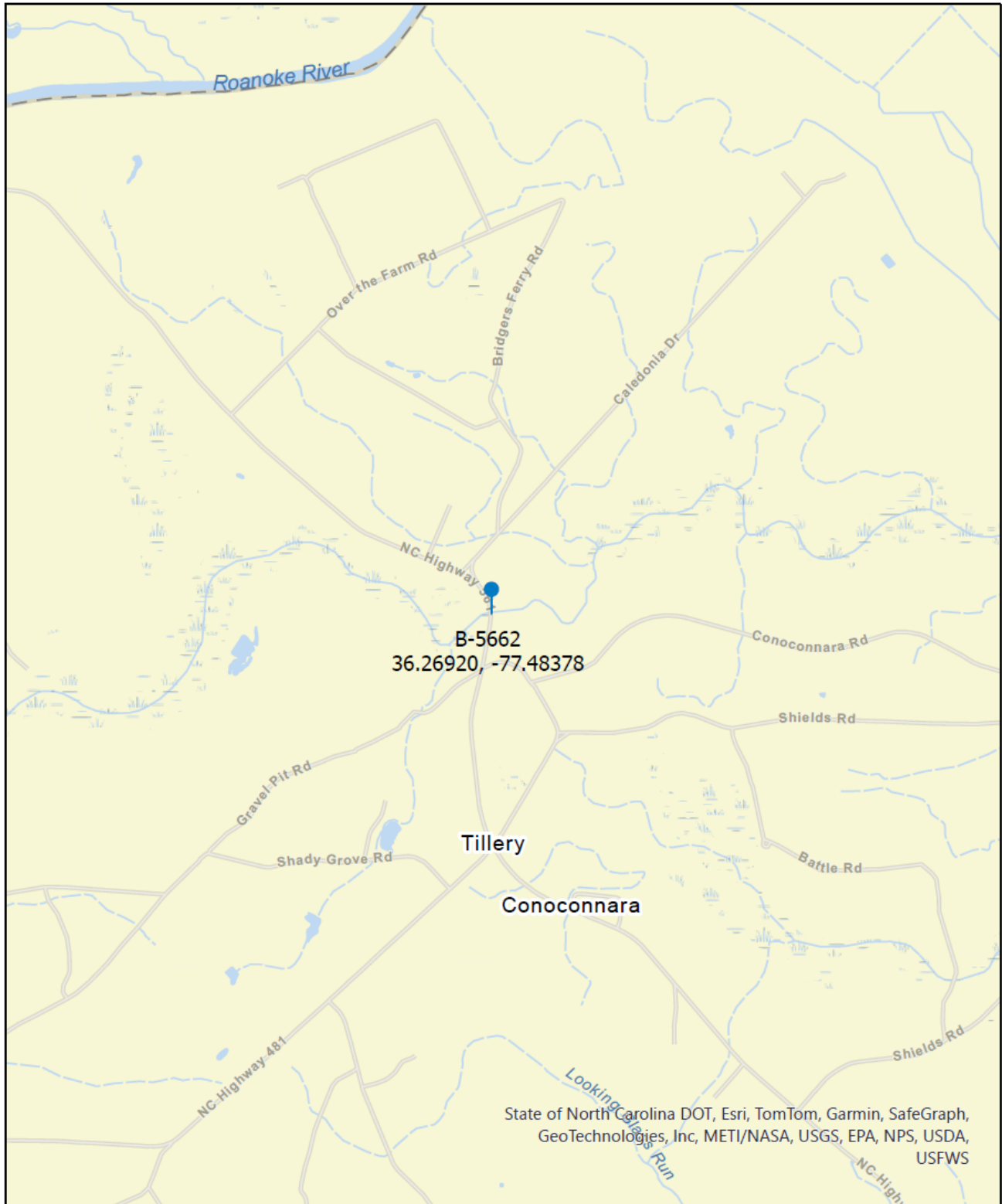


Figure 1. Vicinity Map

APPENDIX A

SITE PHOTOS & SITE MAP

Br. #93 over Conoconnara Swamp on NC 561 Temporary Impact Site



PP#1



PP#2
July 2025

Revised 5/13/2020

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

HALIFAX COUNTY

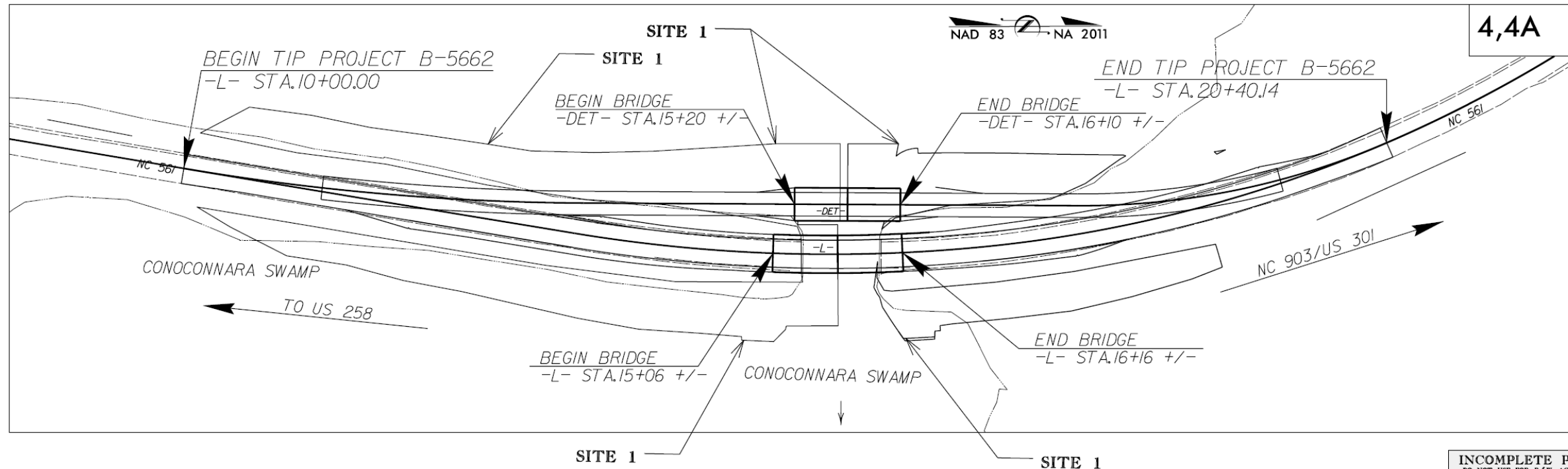
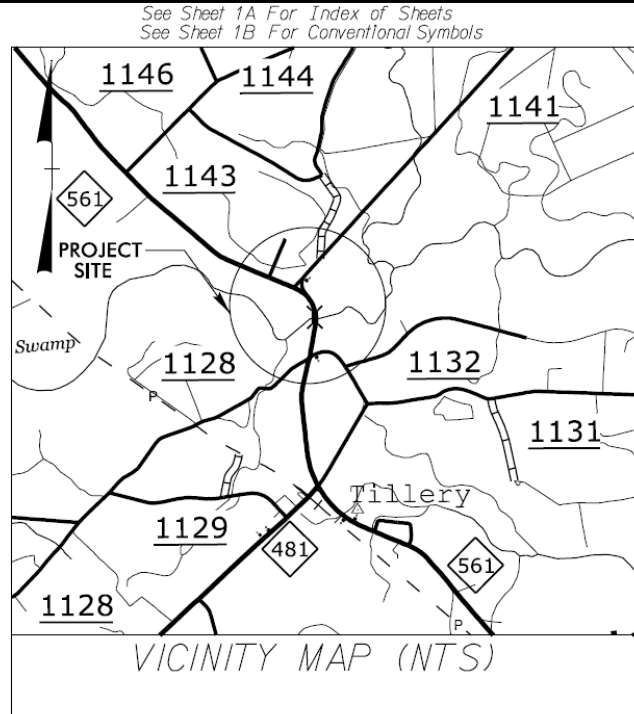
LOCATION: REPLACE BRIDGE NO. 93 OVER
CONOCONNARA SWAMP ON NC 561

TYPE OF WORK: GRADING, DRAINAGE, PAVING AND STRUCTURE

**WETLAND AND STREAM
IMPACTS**

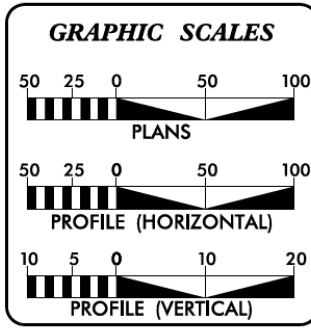
PERMIT DRAWING
SHEET 1 OF 16

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	B-5662	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
45617.1.1		P.E.	
45617.2.1		ROW/UTIL	
45617.3.1		CONSTR.	



THIS PROJECT IS NOT WITHIN MUNICIPAL BOUNDARIES.
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2020 =	1150
ADT 2040 =	1400
K =	10 %
D =	55 %
T =	12 % *
V =	60 MPH
V DET =	45 MPH
* TTST = 5% DUAL 7%	
MAJOR COLLECTOR REGIONAL TIER	

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT B-5662 =	.176 MILES
LENGTH OF STRUCTURE TIP PROJECT B-5662 =	.021 MILES
TOTAL LENGTH OF TIP PROJECT B-5662 =	.197 MILES

Prepared in the Office of: KCI KCI Associates of N.C., P.A. 4505 Falls of Neuse Road, Suite 400 Raleigh, NC 27609 Phone (919) 783-9214 Fax (919) 783-9266	Plans Prepared For: DIVISION OF HIGHWAYS 1000 Birch Ridge Dr. Raleigh NC, 27610
2018 STANDARD SPECIFICATIONS	
RIGHT OF WAY DATE: OCTOBER 19, 2019	DEWAYNE L. SYKES, P.E. PROJECT ENGINEER
LETTING DATE: JUNE 26, 2020	BRYAN E. HOUGH, P.E. PROJECT DESIGN ENGINEER
NCDOT CONTACT:	KRISTY ALFORD, P.E. STRUCTURES MANAGEMENT UNIT

HYDRAULICS ENGINEER	
SIGNATURE:	
ROADWAY DESIGN ENGINEER	
SIGNATURE:	



09/28/19
 5/11/2020
 C:\Users\zobertm\OneDrive\Documents\Drawings\Wetland\B-5662-prm_tsh_01.dgn
 Elizabeth Sheldon

TIP PROJECT: B-5662

CONTRACT: C204489

Revised 5/13/2020

PERMIT DRAWING
SHEET 4 OF 16

PROJECT REFERENCE NO. B-5662	SHEET NO. PRM-4
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

NAD 83/NA 2011

IMPACTS LEGEND

	DENOTES EXCAVATION IN WETLAND
	DENOTES HAND CLEARING
	DENOTES FILL IN WETLAND
	DENOTES MECHANIZED CLEARING
	DENOTES TEMPORARY FILL IN WETLAND
	DENOTES TEMPORARY IMPACTS IN SURFACE WATER
	DENOTES IMPACTS IN SURFACE WATER

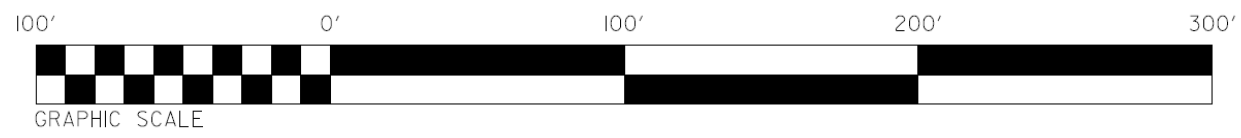
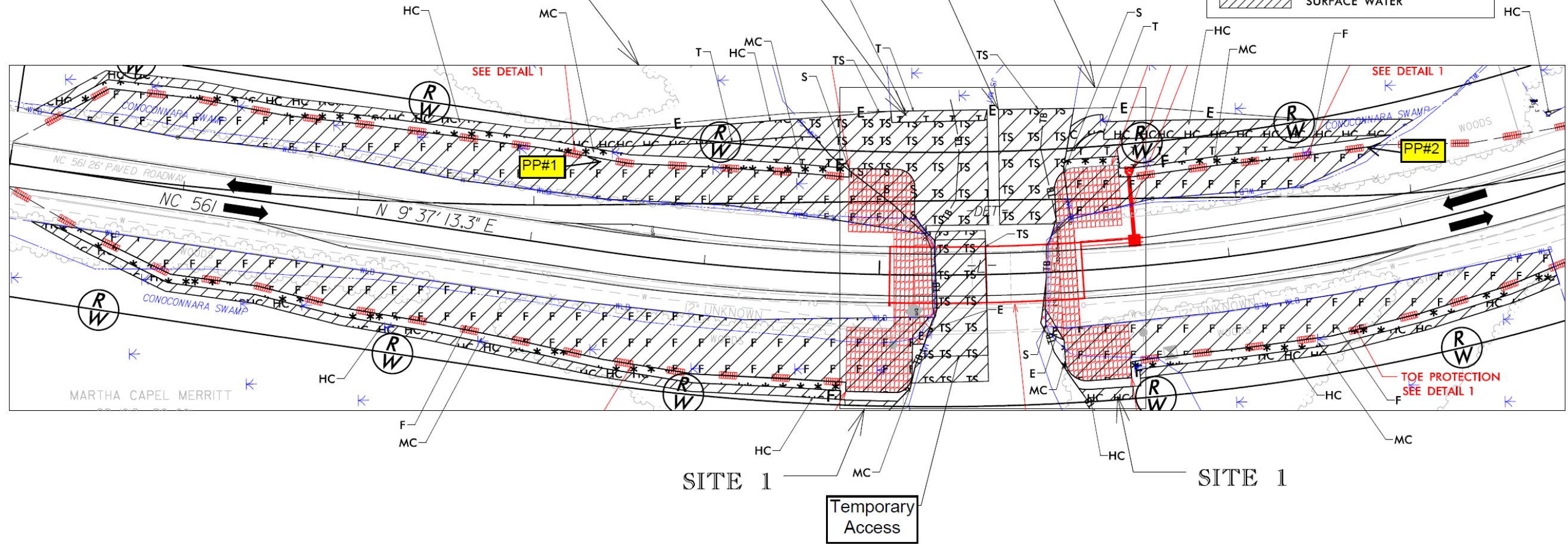
INSET D
SITE 1
NO MORE THAN 50% OF THE CHANNEL WILL BE BLOCKED AT ANY TIME

INSET B

SITE 1

SITE 1

SITE 1



8/17/99
5/1/2020 2:51:02 PM 1945.21 B-5662\Hydro\ulloc\PERMITS_Environment\1\Drawings\Wetland\B-5662-prm-psh_04.dgn