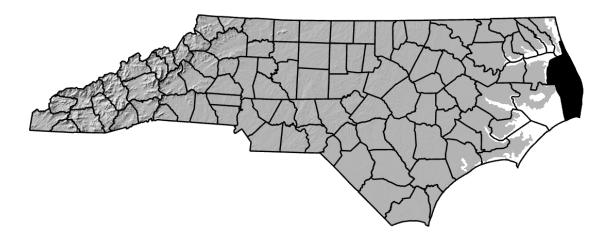
ANNUAL REPORT FOR 2023



Rodanthe Bridge Temporary Impact Site Dare County TIP No. B-2500B COE Action ID: SAW-2012-01153 DWR Project #: 20180114 CAMA Permit #: 106-12



Prepared By: Roadside Environmental Unit and Environmental Analysis Unit North Carolina Department of Transportation November 2023

TABLE OF CONTENTS

SUMI	MAR	٢	1
1.0	Intro	oduction	2
	.1	Project Description	2
	.2	Purpose	
	.3	Project History	2
	.4	Debit Ledger	2
2.0	Veg	etation:	3
	.1	Success Criteria	3
	.2	Description of Species	3
	.3	Results of Vegetation Monitoring	
	.4	Conclusions.	4
3.0	Ove	rall Conclusions and Recommendations	4

FIGURES

Figure 1 – Vicinity Map5

APPENDICES

Appendix A – Site Photos, Permit Drawings, and Wetland Permit Impact Summary

SUMMARY

The Rodanthe Bridge Temporary Impact site is located in Dare County. This is an annual report for temporary impacts associated with TIP No. B-2500B long term improvements along NC 12 in Rodanthe. NCDOT completed temporary wetland fill removal by April 2023.

See attached Wetland Permit Impact Summary within Appendix A of this report for a break-down of the temporary wetland impacts. The area that was temporarily impacted is being monitored to ensure that it re-attains pre-project functions.

After the first year of monitoring, the Rodanthe Bridge Temporary Impact site shows by visual observation that the temporarily impacted areas have re-attained pre-project functions.

NCDOT proposes to discontinue monitoring at the Rodanthe Bridge Temporary Impact site.

1.0 INTRODUCTION

1.1 **Project Description**

The Rodanthe Bridge Temporary Impact site is located in Dare County at Bridge No. 71 over the Pamlico Sound on NC 12 (Figure 1). The area that was impacted is being monitored to ensure that it re-attains pre-project functions.

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 2023 at the Rodanthe Bridge Temporary Impact site.

1.3 **Project History**

April 2023	Temp. Wetland Fill Removal Completed
September/October 2023	Vegetation Monitoring (Year 1)

1.4 Debit Ledger

The restoration of the Rodanthe Bridge temporary impact site was used entirely to compensate for temporary impacts on the B-2500B project. There were no wetland mitigation credits generated from the restoration of the temporary impacted area.

2.0 VEGETATION: RODANTHE BRIDGE TEMPORARY IMPACT SITE (YEAR 1 MONITORING)

2.1 Success Criteria

NCDWR Project No. 20180114

Condition #4. 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 at Site 2. This update shall be conducted two growing seasons after completion of the work at Site 2 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 NCDWR, the permittee shall schedule an agency field meeting with the NCDWR 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 NCDWR shall determine if compensatory wetland mitigation is to be required.

CAMA Permit No. 106-12

Condition #45. Due to the possibility that compaction, mechanized clearing, hand clearing, and/or other site alterations might prevent the temporary Coastal Wetland impact areas from re-attaining pre-project functions, the permittee shall provide an annual update on the Coastal Wetland areas temporarily impacted by this project. This annual update shall consist of photographs and a brief written report on the progress of these temporarily impacted areas in re-attaining their pre-project functions. Within three years after project completion, the permittee shall hold an agency field meeting with DCM to determine if the Coastal Wetland areas temporarily impacted by this project have re-attained pre-project functions. If at the end of three years DCM determines that the Coastal Wetland areas temporarily impacted by the project have not re-attained pre-project functions, DCM will determine whether compensatory mitigation shall be required.

2.2 Description of Species

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

No species were planted. Temporary wetland impact areas were left to re-vegetate naturally.

2.3 Results of Vegetation Monitoring

The impacted area where the temporary impacts occurred have re-attained pre-project functions. Areas temporarily impacted are re-vegetating naturally. Site 3A (Photo 7) underneath the bridge will be slow to revegetate due to limited sunlight within this area. Species noted within the temporary impact area included black needle rush, marshelder, phragmites, glasswort, saltmarsh bulrush, and various grasses.

2.4 Conclusions

See attached Wetland Permit Impact Summary within Appendix A of this report for a break-down of the temporary wetland impacts. There were no plots established on the site. By visual observation, the Rodanthe Bridge Temporary Impact Site shows that the impacted areas have re-attained pre-project functions.

3.0 OVERALL CONCLUSIONS AND RECOMMENDATIONS

NCDOT proposes to discontinue monitoring at the Rodanthe Bridge Temporary Impact site.



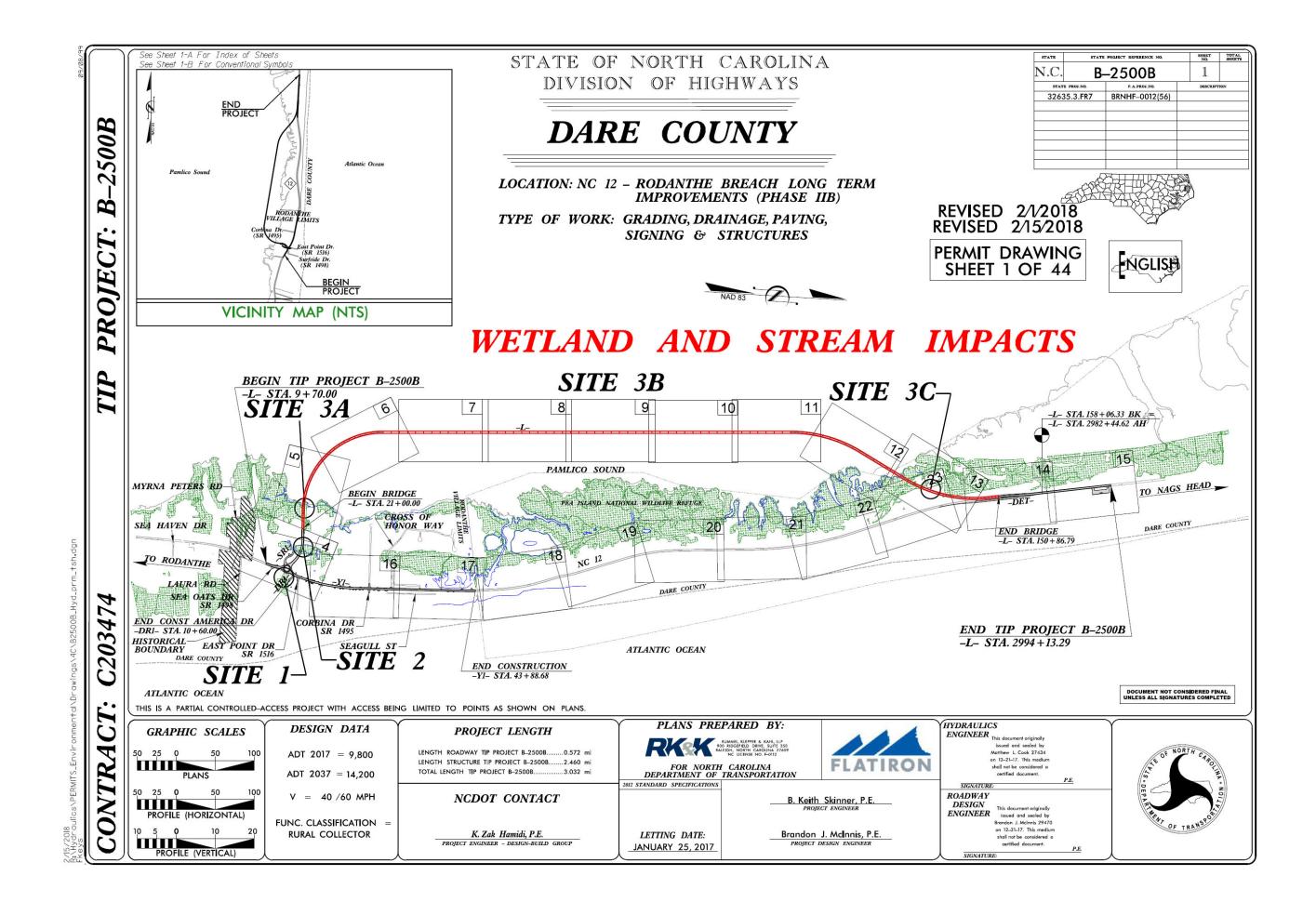
Figure 1. Vicinity Map

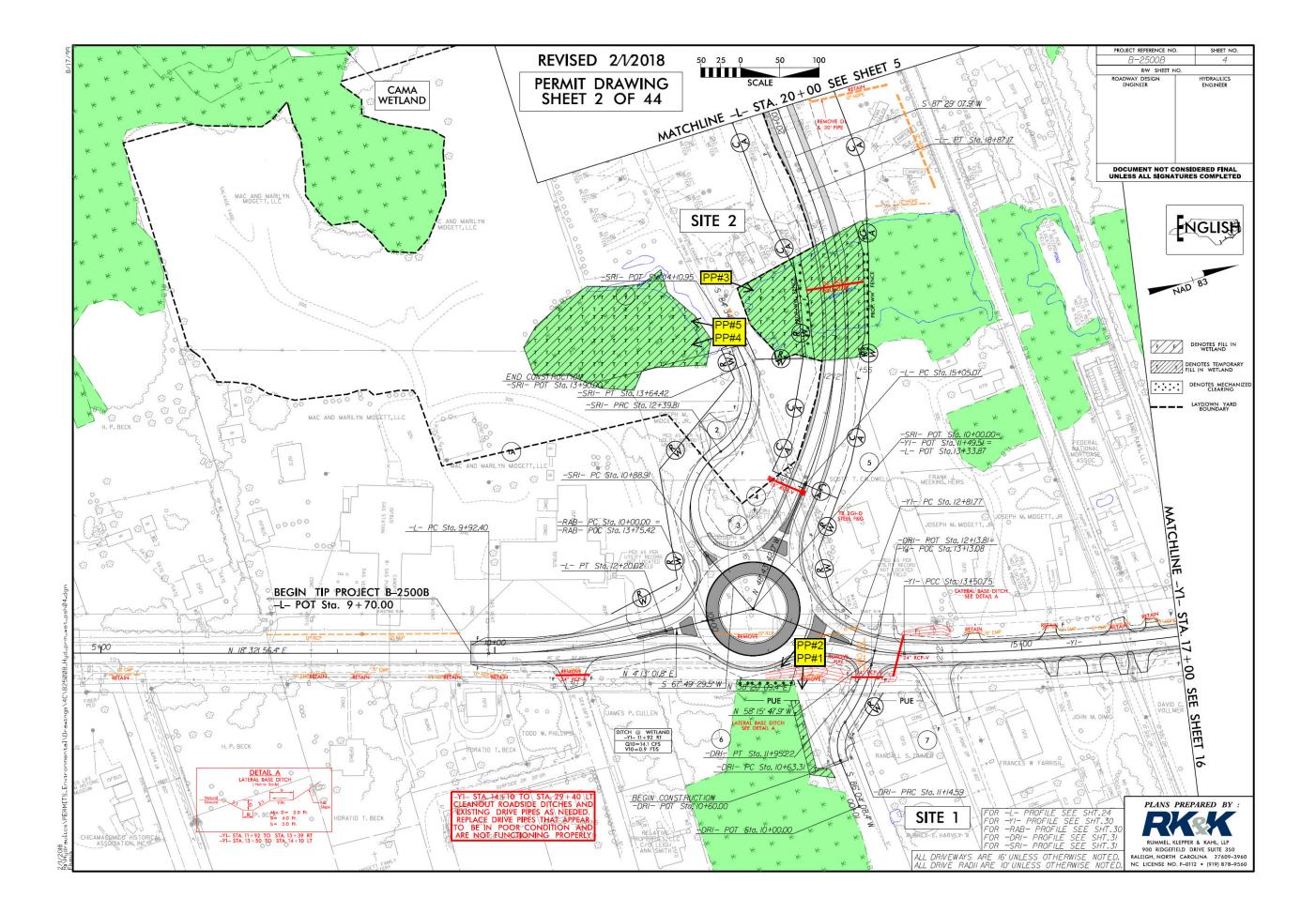
APPENDIX A

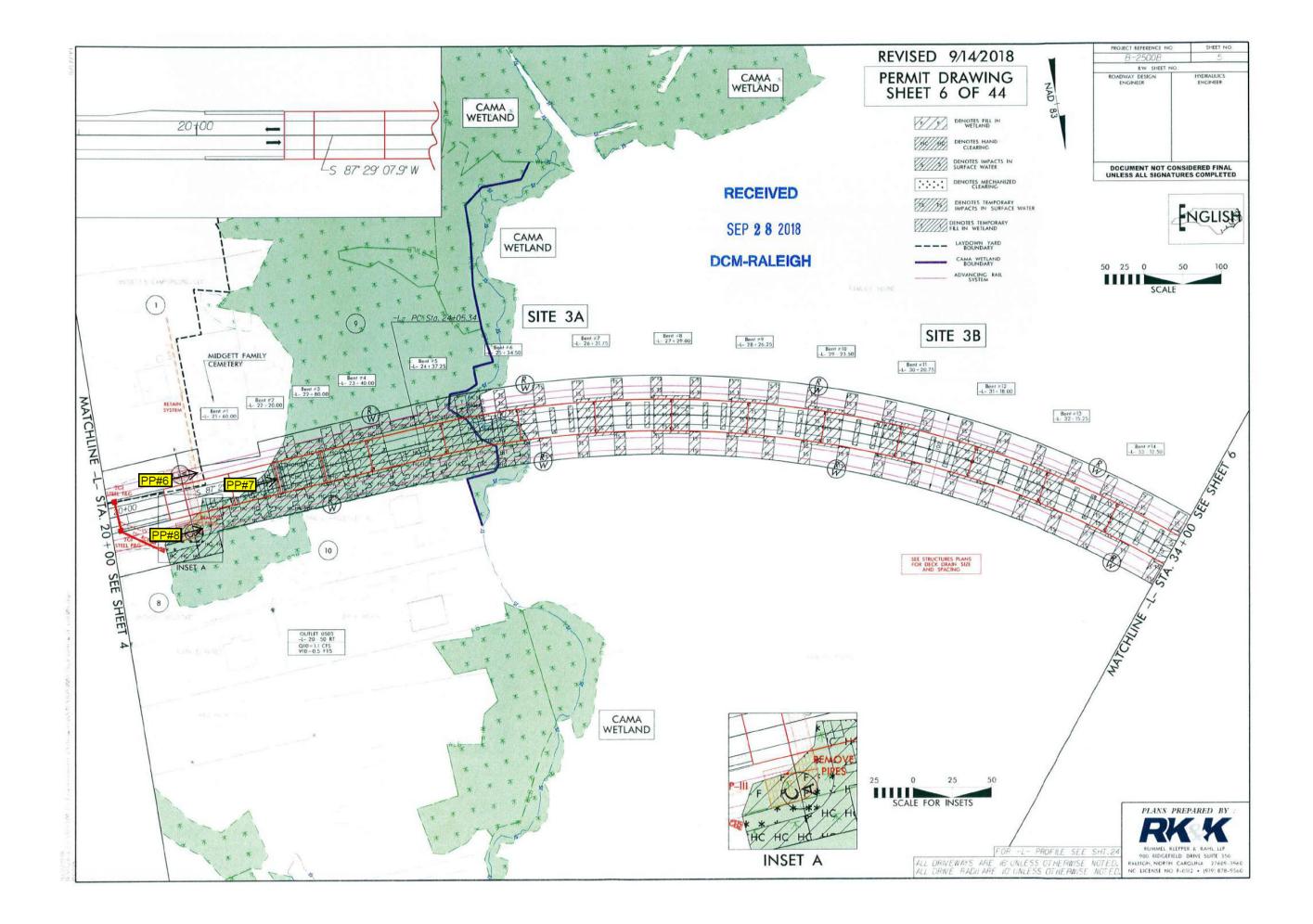
PERMIT DRAWINGS

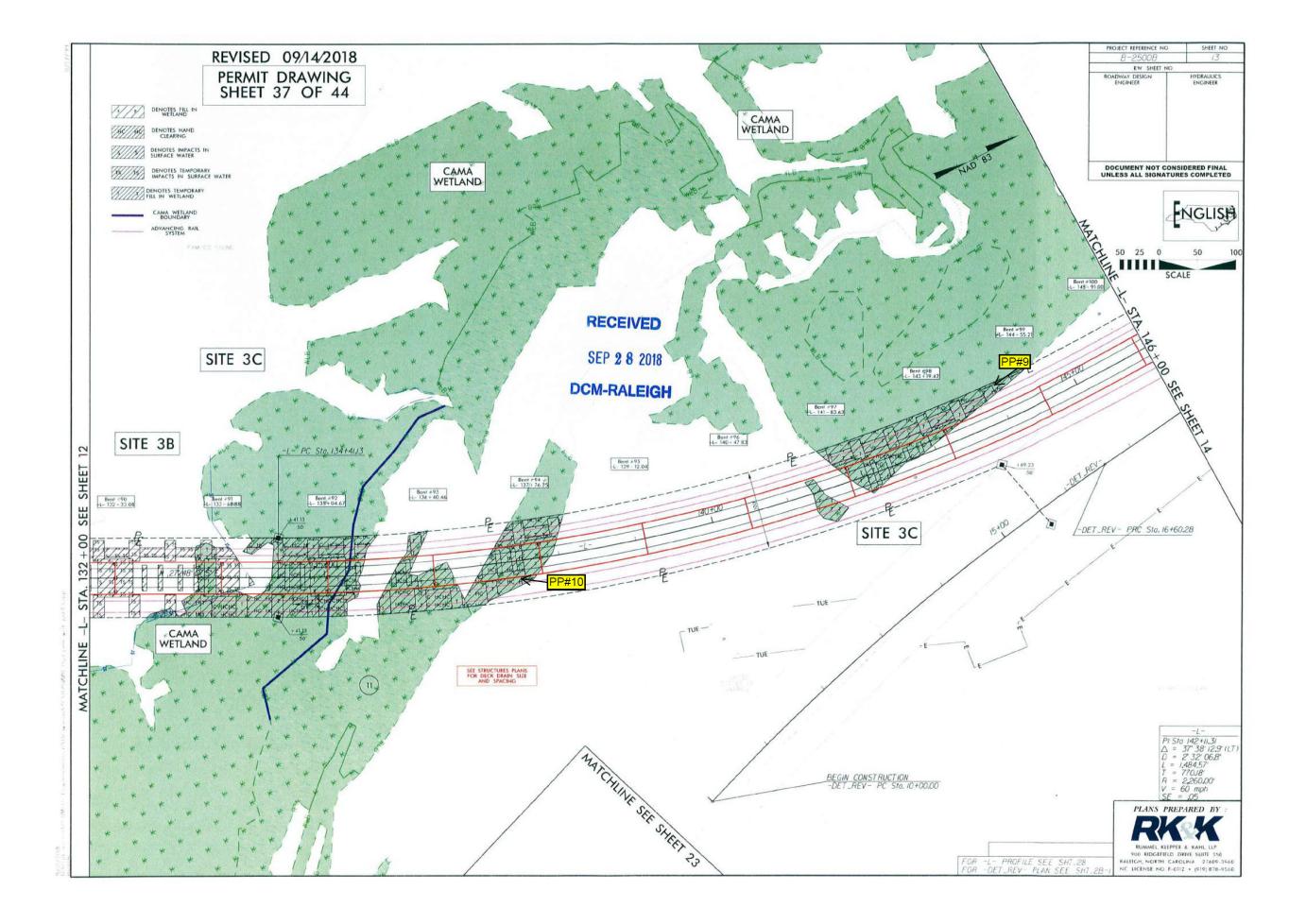
SITE PHOTOS

WETLAND PERMIT IMPACT SUMMARY

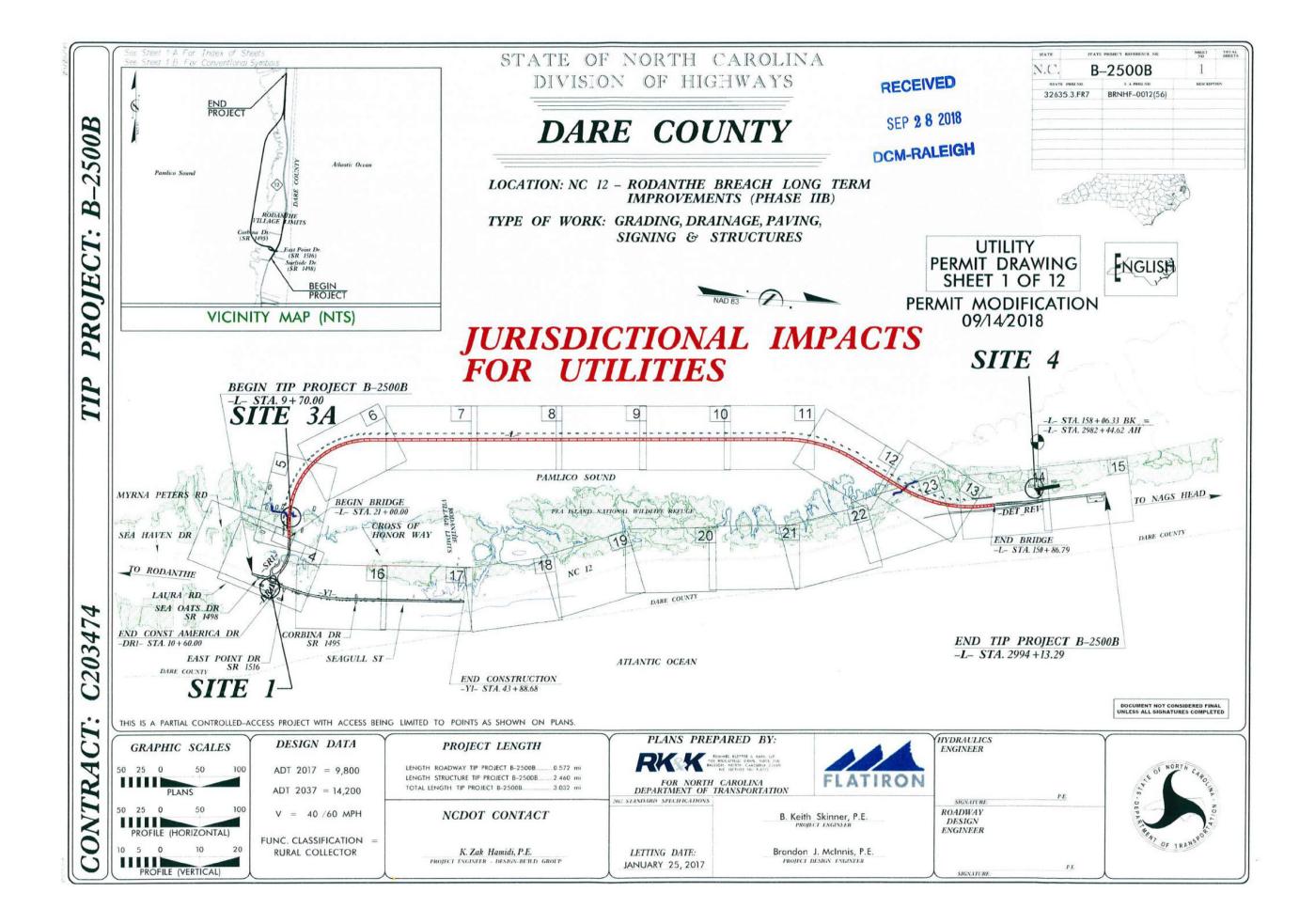


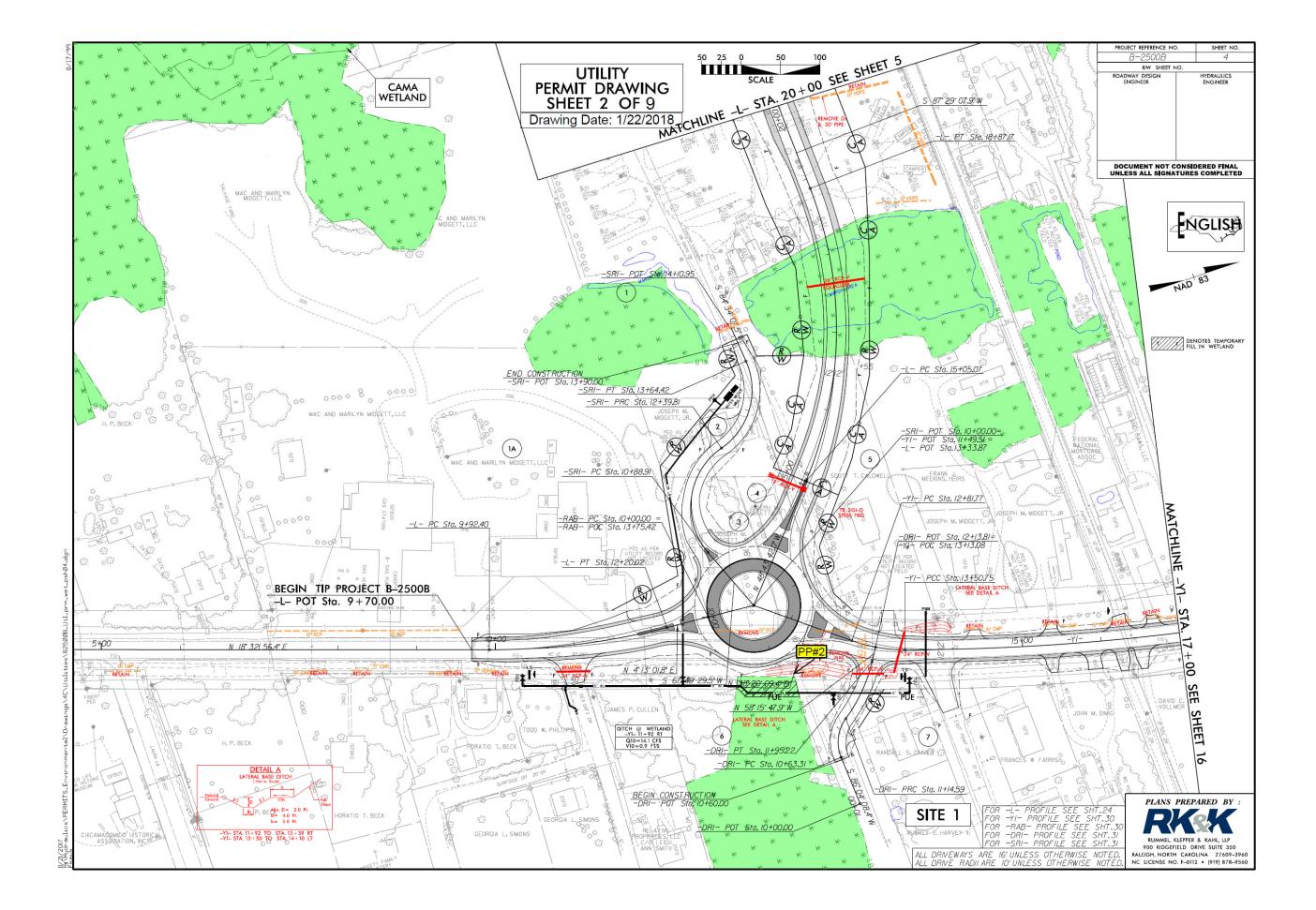


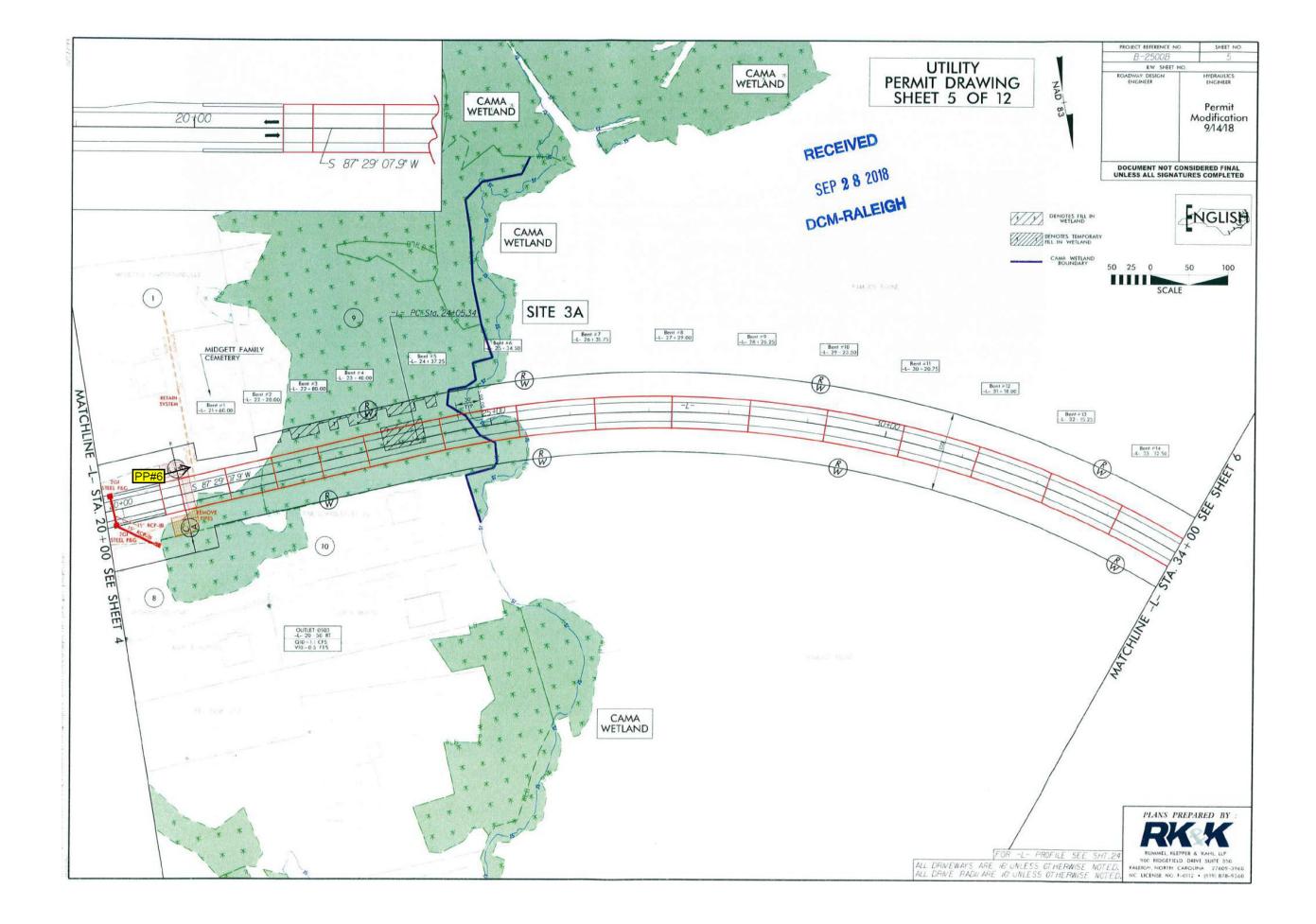


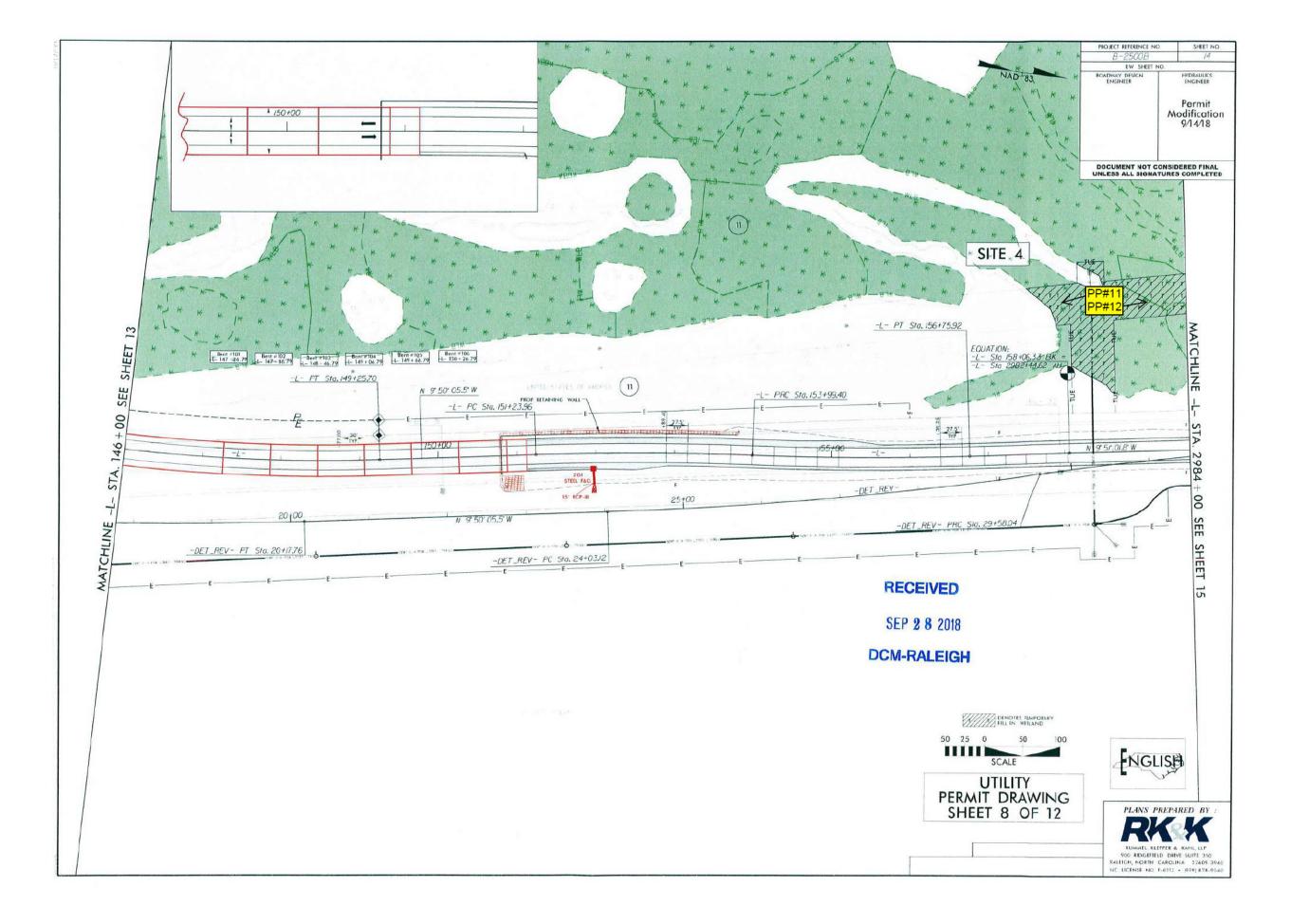


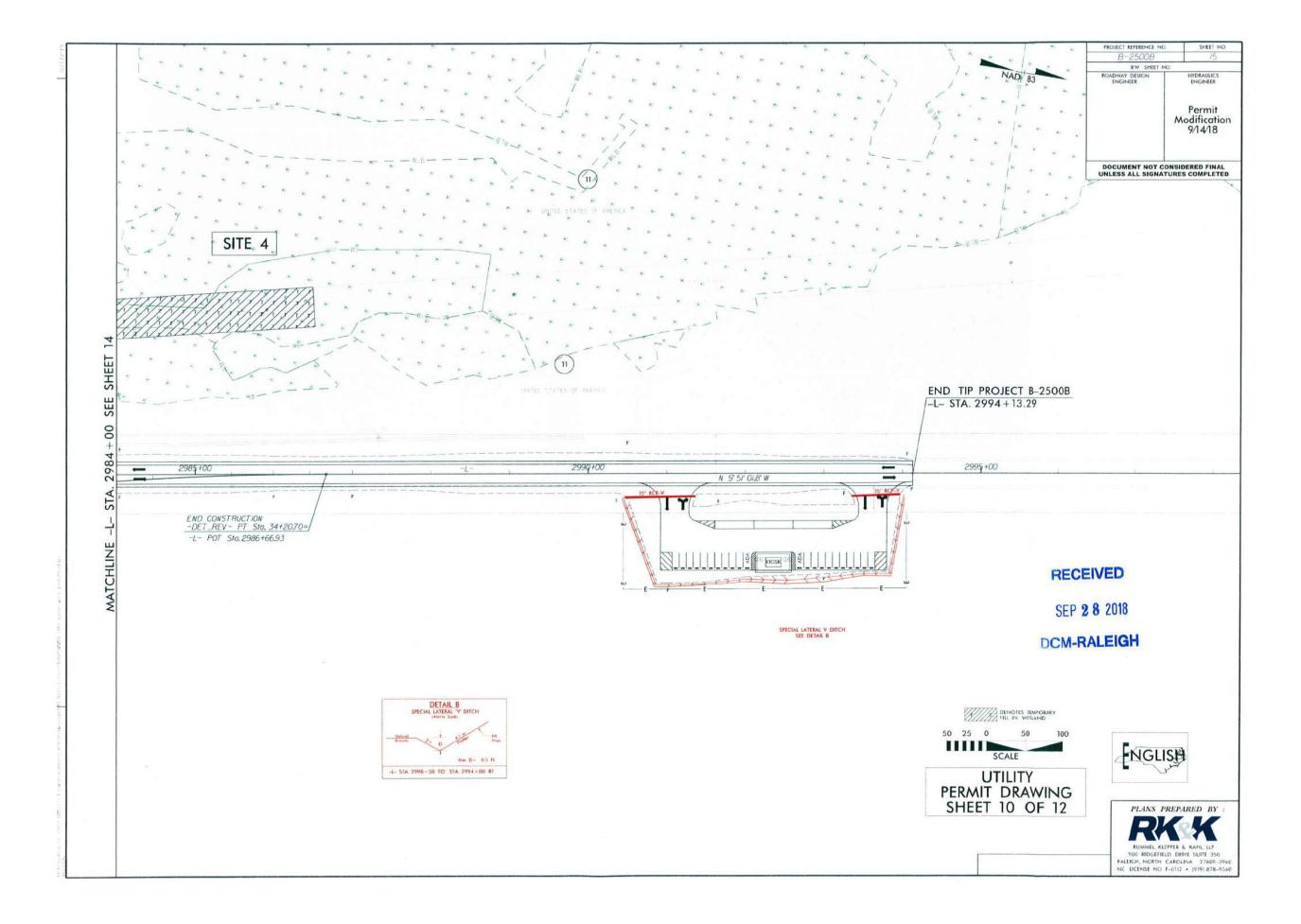
Site No.				147	TLAND IMPA	TC			CLIDEAOF		DACTC	
No.		1		VVE	TLAND IMPA		Hand		SURFACE	E WATER IMP		
	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natura Strear Desig (ft)
1	-L- 13+00 RT	ROADWAY FILL		0.03		0.01						
2	-L- 17+62	36" RCP-V EQUALIZER, ROADWAY FILL, LAYDOWN YARD	0.25	0.68		0.06						
3A -I	L- 20+60 - 25+45	BRIDGE - 4 SPANS @ 60' 15- 24" C.S. & 4 SPANS @ 97'-3" 4- 45" F.I.B.s	0.04	0.34		0.02	0.42					
3B -L	25+45 - 133+17	BRIDGE AND ADVANCING RAIL SYSTEM						0.09	9.78			
3C -L-	- 133+17 - 143+95	BRIDGE - 9 SPANS @ 135'-8" 4-72" F.I.B.s	< 0.01	0.49			0.46					
TALS*:			0.29	1.54		0.09	0.88	0.09	9.78			











				WET	FLAND IMPA	CTS			SURFA	CEI
Site No.	Station (From/To)	Structure Size / Type	Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	E C Ir Pe
1	-L- 13+00 RT	8" WATER LINE		0.03						
3A	-L- 24 +27	UTILITIES ON BRIDGE	0.04	0.05						
4	-L- 2982+75 LT	UTILITY RELOCATION		0.60						
	the second s									
TALS*:			0.04	0.67						

PERMIT MODIFICATION

SHEET

Revised 2016 09 09

NOTES:

JRFA	CE WATER IM Existing	Existing	
mp.	Channel	Channel	Natural
W	Impacts	Impacts	Stream
acts	Permanent	Temp.	Design
ac)	(ft)	(ft)	(ft)
-			
		ol ce un noier an achtráise	
CAT	ION 08/08/	2018, 09/	14/2018
NC D	EPARTMENT O	F TRANSPOR	RTATION
	DIVISION OF	F HIGHWAYS	3
	DECEME	3ER 2017	
	DA	ARE	
	B-2	500B	
		.3.FR7	
ΕT	12	OF	12

Rodanthe Bridge Temporary Impact Site



Photo 1



Photo 3



Photo 5 September 2023



Photo 2



Photo 4



Photo 6

Rodanthe Bridge Temporary Impact Site



Photo 7



Photo 9

September 2023



Photo 8



Photo 10

Rodanthe Bridge Temporary Impact Site



Photo 11

October 2023



Photo 12