



Transportation

PAT McCrory
Governor

NICHOLAS J. TENNYSON
Secretary

September 13, 2016

Mr. Tom Steffens
U.S. Army Corps of Engineers
Regulatory Field Office
Post Office Box 1000
Washington, NC 27889-1000

Mr. Stephen Lane
N.C. Dept. of Environmental Quality
Division of Coastal Management
400 Commerce Avenue
Morehead City, NC 28557

Dear Sirs:

Subject: **Revised Permit Modification Request for the Section 404 Individual Permit, Section 401 Individual Water Quality Certification and CAMA Major Development Permit** for the proposed improvements to US 70 from existing four lanes at Radio Island to north of Olga Road (SR 1426), Carteret County, State Project No. 8.1162501, Federal Aid Project STPNHF-70(43), TIP R-3307, Debit \$570 (NCDWR) and \$100 (NCDCM) from WBS 34528.1.1

References: Section 404 Permit No. SAW-2010-02125, issued September 27, 2013
Section 401 Permit No. 3195, issued April 30, 2012
CAMA Major Development Permit No. 37-12, issued May 3, 2012
Section 401 Permit Modification 20111003v3, issued October 2, 2014
CAMA Major Development Permit Modification, issued October 1, 2014
Section 404 Permit Modification, issued October 6, 2014
Section 404 Permit Modification, issued March 31, 2015
CAMA Major Development Letter of Refinement, issued September 8, 2015
Section 404 Permit Modification, issued January 11, 2016
Section 401 Permit Modification, issued January 8, 2016
CAMA Major Development Letter of Refinement, issued March 1, 2016

Dear Sirs:

Please see the enclosed revised permit drawings, impact summary sheet, and NCDMS acceptance letter for the above referenced project.

This revision serves to update the Permit Modification Request, dated June 1, 2016. The stream impact and surface water total at site 2 has been amended with the as-built total.

Also note, the 48" RCP and Flared End Sections installed by the developers of the MAINSAIL



property are being removed and replaced by NCDOT. The replacement pipe will be a 72" pipe with headwalls on both ends. The pipe will be buried one foot and the existing rip rap will be maintained. There are no additional impacts to the stream.

Section 404: We are hereby requesting the modifications described above for the USACE Individual 404 Permit signed September 27, 2013 (SAW-2010-02125), for the above-described activities.

Section 401: We are hereby requesting a modification to the 401 Water Quality Certification from the NCDWR issued, April 30, 2012 (DWQ No. 3195). We are providing \$570 to act as payment for processing the permit modification (see subject line).

CAMA: We are hereby requesting a modification to the Coastal Area Management Act Major Permit issued May 3, 2012. We are providing \$100 to act as payment for processing the permit modification (see subject line).

As you are aware, this project is currently under construction. Therefore, the Department requests that your agency expedite your review and approval to avoid delay.

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Tyler Stanton at tstanton@ncdot.gov or (919) 707-6156.

Sincerely,



for Philip S. Harris III, P.E., C.P.M.
Natural Environment Section Head

cc:

NCDOT Permit Application Standard Distribution List



PAT MCCRORY
Governor

DONALD R. VAN DER VAART
Secretary

September 2, 2016

Mr. Philip S. Harris, III, P.E., CPM
Manager, Project Development and Environmental Analysis Branch
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, North Carolina 27699-1598

Dear Mr. Harris:

Subject: EEP Mitigation Acceptance Letter:

R-3307, US 70 from Existing 4 Lanes at Radio Island to US 70 North of Beaufort near SR 1429 (Olga Road), Carteret County

References: USACE 404 Individual Permit issued September 27, 2013 (USACE Action ID 2010-02125)

NCDWR 401 Water Quality Certification issued October 15, 2012 (NCDWR ID 2011-1003)

The purpose of this letter is to notify you that the Division of Mitigation Services (DMS) will provide the additional compensatory stream mitigation for the subject project. Based on the information supplied by you on August 30 and 31, 2016, the impacts are located in CU 03020106 of the White Oak River basin in the Southern Outer Coastal Plain (SOCP) Eco-Region, and are as follows:

Table 1 – Additional Impacts (feet / acres)

White Oak 03020106 SOCP	Stream			Wetlands			Buffer (Sq. Ft.)	
	Cold	Cool	Warm	Riparian	Non-Riparian	Coastal Marsh	Zone 1	Zone 2
Impacts (feet/acres)	0	0	71.0	0	0	0	0	0

*NOTE: Some of the stream impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details.

This additional impact and associated mitigation needs were not projected by the NCDOT in the 2016 impact data. DMS is currently providing stream, riparian and non-riparian wetland mitigation for the impacts associated with this project located in cataloging unit 03020106 of the White Oak River basin as required by the 404 and 401 permits issued in September 2013 and October 2012, respectively, as show in the below table (in mitigation credits)

Mr. Harris
TIP R-3307
September 2, 2016
Page Two

Table 2 – Current Permitted Impacts and Associated Mitigation Requirements provided by DMS (based on 2012 and 2013 permits) and Revised Anticipated Impacts (based on mitigation request)

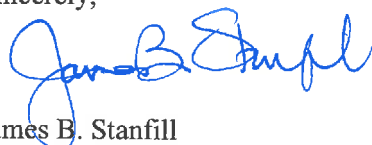
Impact Type	Total Permitted Impacts (feet / acre / sq ft)	Mitigation Provided by DMS per Issued Permits (Credits)	Additional Impact (for approval)	Revised Total Impacts*
Stream (warm)	304.0	304.0	71.0	375.0
Riparian Wetland	1.78	1.78	0	0
Non-riparian Wetland	4.69	4.69	0	0

*Some of the additional stream impacts may be proposed to be mitigated at a 1:1 mitigation ratio. See permit application for details. DMS will provide the amount of mitigation as determined by the regulatory agencies.

This mitigation acceptance letter replaces the mitigation acceptance letters issued on July 27 and October 27, 2011, January 24, 2012 and August 30, 2016. DMS commits to implementing additional sufficient compensatory stream mitigation credits to offset the impacts associated with this project as determined by the regulatory agencies using the delivery timeline listed in Section F.3.c.iii of the In-Lieu Fee Instrument dated July 28, 2010. If the above referenced impact amounts are revised, then this mitigation acceptance letter will no longer be valid and a new mitigation acceptance letter will be required from DMS.

If you have any questions or need additional information, please contact Ms. Beth Harmon at 919-707-8420.

Sincerely,



James B. Stanfill
Credit Management Supervisor

cc: Mr. Tom Steffens, USACE – Washington Regulatory Field Office
Ms. Amy Chapman, Division of Water Resources, Wetlands/401 Unit
File: R-3307 Additional

PROJECT REFERENCE NO. R-3307	SHEET NO. 8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT BUT ONLY AS TO THE REVISIONS.	NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT BUT ONLY AS TO THE REVISIONS.
THIS DOCUMENT WAS ORIGINALLY ISSUED AND SEALED BY REKHA V. PATEL PE NO. 16378 ON 10-08-2013	THIS DOCUMENT WAS ORIGINALLY ISSUED AND SEALED BY RAY D. LOVINGGOOD PE NO. 19775 ON 10-14-2013



ENGINEERING SEAL FOR REVISION DATED 8/16/16 ONLY

NAD 83/2001

SITE 2

BEAUFORT-MOREHEAD CITY AIRPORT AUTHORITY

PERMIT REVISION
AUG 2016
REVISED INLET PROTECTION
STR #0832
DRAWING BASED ON
"AS-BUILT" INFORMATION
PROVIDED BY ASSISTANT
RESIDENT ENGINEER

BANK STABILIZATION
CLASS 1" RIP RAP
EST. 100 TONS
25% SY GEOTEXTILE

SITE 2

CARTERET COUNTY

MATCH LINE -L- STA. 74+00 SEE SHEET 9

MATCH LINE -L- STA. 62+00 SEE SHEET 7

SITE 2

TEMP SURFACE WATER IMPACTS

SITE 2

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

- NOTES: (1) SEE SHEET 29 FOR -L- PROFILE
(2) SEE SHEET 35 FOR -YIREV- PROFILE
(3) SEE SHEET 38 FOR -DRI- PROFILE
(4) SEE SHEET 38 FOR -DR2- PROFILE
(5) SEE SHEET 2-E FOR DRAINAGE DETAILS
(6) SEE STRUCTURE PLANS
(7) SEE RETAINING WALL PLANS

Permit Drawing
Sheet 5 of 34
Revised 26 Aug 2016

CONST. REV. 08/16/16 (JDG); MOVED PROPOSED SIDEWALK IN BETWEEN DITCH AND ROADWAY, -L- STA. 68+56.40 LT. TO -L- STA. 77+00.00 LT.

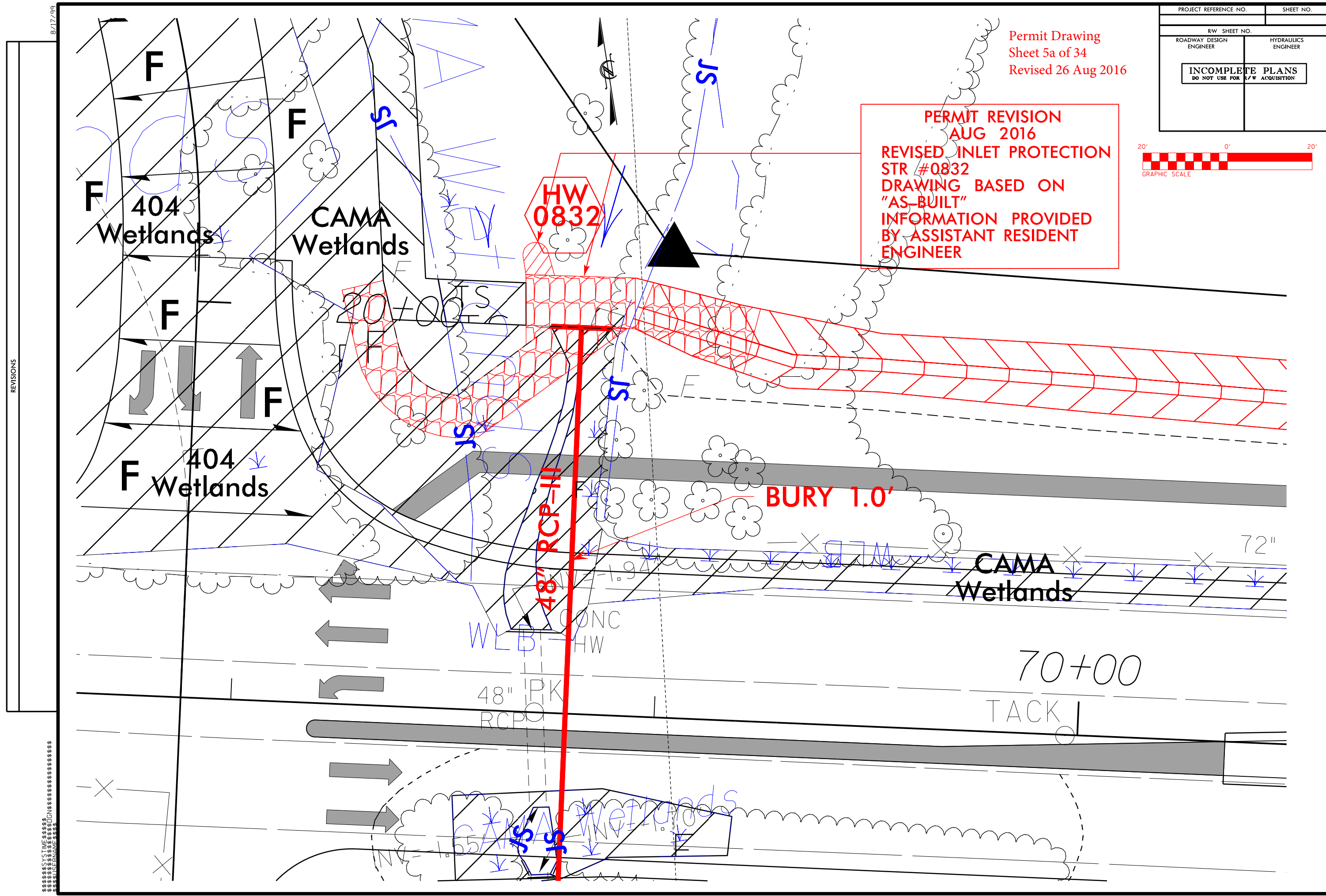
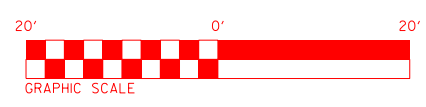
REVISIONS

SYTIME
DESIGN

PROJECT REFERENCE NO.	SHEET NO.
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS <small>DO NOT USE FOR R/W ACQUISITION</small>	

Permit Drawing
Sheet 5a of 34
Revised 26 Aug 2016

PERMIT REVISION
AUG 2016
REVISED INLET PROTECTION
STR #0832
DRAWING BASED ON
"AS-BUILT"
INFORMATION PROVIDED
BY ASSISTANT RESIDENT
ENGINEER



REVISIONS

8/17/99

\$\$\$SYTIME\$\$\$
\$\$\$DESIGN\$\$\$
\$\$\$DATE\$\$\$

PROJECT REFERENCE NO. R-3307	SHEET NO. 9
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT BUT ONLY AS TO THE REVISIONS.	NOT A CERTIFIED DOCUMENT AS TO THE ORIGINAL DOCUMENT BUT ONLY AS TO THE REVISIONS.
THIS DOCUMENT WAS ORIGINALLY ISSUED AND SEALED BY REKHA V. PATEL PE NO. 16378 ON 10-08-2013	THIS DOCUMENT WAS ORIGINALLY ISSUED AND SEALED BY RAY D. LOVINGOOD PE NO. 19775 ON 10-14-2013



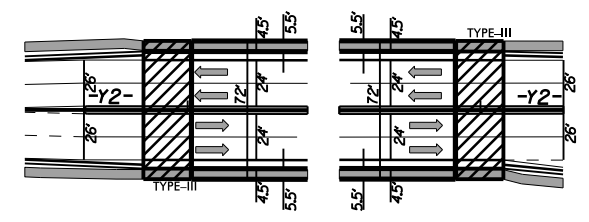
ENGINEERING SEAL FOR REVISION DATED 8/16/16 ONLY

**PERMIT REVISION
AUG 2016**

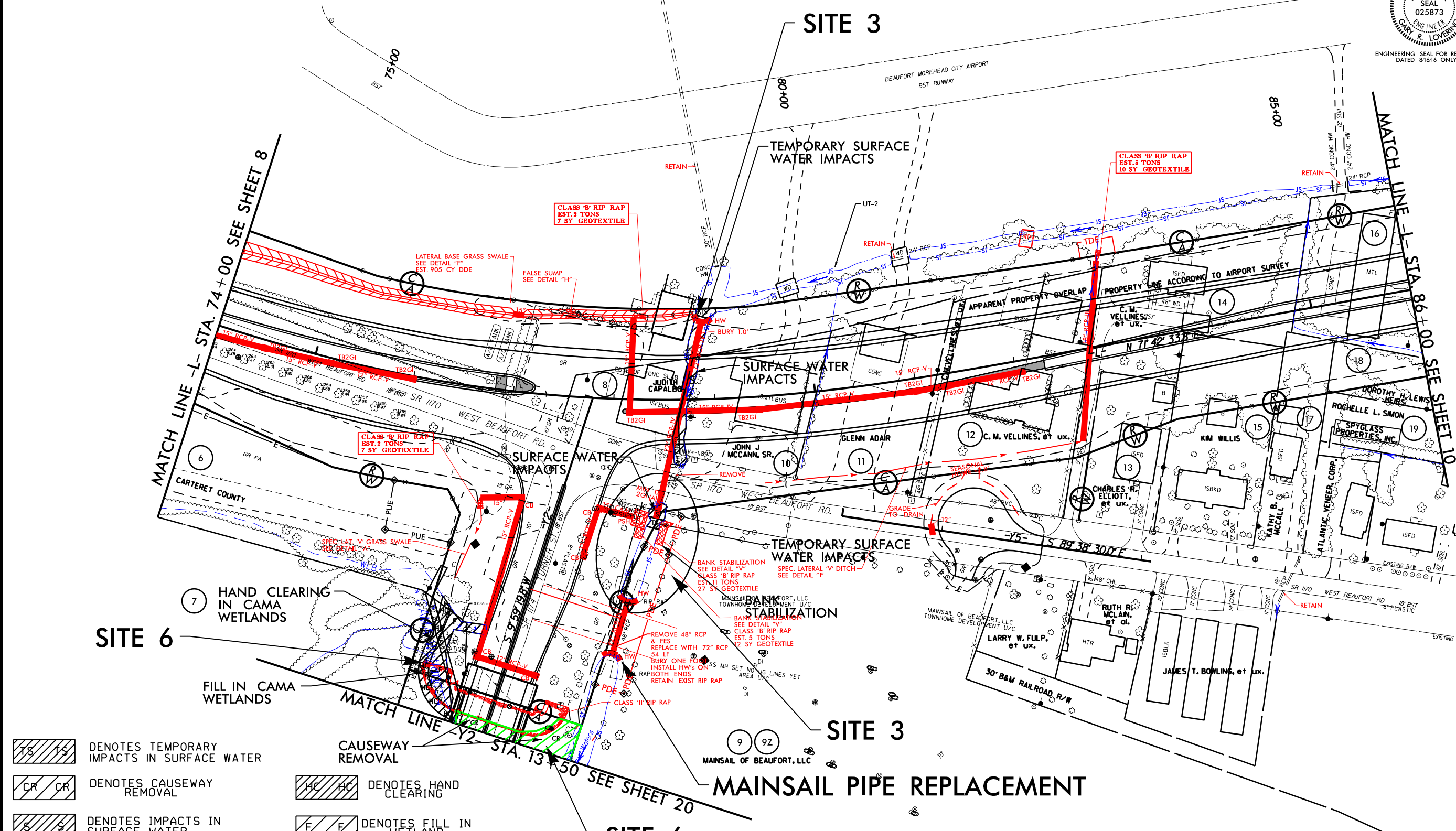
The 48" RCP and Flared End Sections installed by the developers of the MAINSAIL property are being removed and replaced by NCDOT. The replacement pipe will be a 72" pipe with headwalls on both ends. The pipe will be buried one foot and the existing rip rap will be maintained. There are no additional impacts to the stream.

910
BEAUFORT-MOREHEAD CITY
AIRPORT AUTHORITY

**Permit Drawing
Sheet 6 of 34
Revised 26 Aug 2016**



CONST. REV. 08/16/16 (JDG). MOVED PROPOSED SIDEWALK IN BETWEEN DITCH AND ROADWAY, -L- STA. 68+56.40 LT. TO -L- STA. 77+00.00 LT.



- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES CAUSEWAY REMOVAL
- DENOTES IMPACTS IN SURFACE WATER
- DENOTES HAND CLEARING
- DENOTES FILL IN WETLAND

MAINSAIL PIPE REPLACEMENT

MATCH LINE -L- STA. 74+00 SEE SHEET 8

MATCH LINE -L- STA. 86+00 SEE SHEET 10

SITE 6

SITE 3

SITE 3

SITE 6

SYTIME DESIGN

WETLAND PERMIT IMPACT SUMMARY														
Site No.	Station (From/To)	Structure Size / Type	Wetland Restoration (ac)	WETLAND IMPACTS						SURFACE WATER IMPACTS				
				CAMA Permanent Fill In Wetlands (ac)	404 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)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)
1	-L- STA. 28+10 TO 29+47 LT	Roadway Fill		<0.01						0.02				
	-L- STA 28+99 TO 63+44	Bridge		0.02	<0.01	0.08	0.48*			1.02	0.03	0.06		
2	-L- STA. 62+82 TO 72+30 & -Y1REV- STA. 15+74 TO 20+64	48" RCP & Roadway Fill		0.27	1.38		<0.01	0.21	0.08	0.04	0.01	162	24	
		Bank Stabilization										24		
3	-L- STA. 78+58 TO 79+06 & -Y2- STA. 10+78 TO 11+18 LT	72" RCP Roadway Fill								0.04	0.01	165	22	
		Bank Stabilization										24		
4	-L- STA. 87+50 TO 92+56	Roadway Fill			**					0.16	<0.01	499	10	***
5	-L- STA. 171+47 TO 183+92	Roadway Fill			3.98			0.53						
6	-Y2- STA. 13+13 TO 18+77 ****	Bridge	1.46	<0.01		<0.01				<0.01	<0.01			
	-Y2- STA. 12+33 TO 13+48 RT	Roadway Fill		0.04										
7	-Y2- STA. 18+66 TO 24+34	Roadway Fill		0.20					0.12					
		Bank Stabilization										8		
TOTALS:			1.46	0.53	5.36	0.08	0.49	0.74	1.24	0.27	0.08	882	56	0.00

* 0.16 ACRES of EXCAVATION IN CAMA WETLANDS AT END BENT 1 REQUIRED TO PROVIDE ACCESS FOR BRIDGE CONSTRUCTION AND MAINTENANCE / INSPECTION. 0.32 ACRES OF EXCAVATION AT INTERIOR BENTS 11-15 and 25 REQ'D FOR CONSTRUCTION. TOTAL EXCAVATION: 0.48 ACRES.

** 0.18 ACRES of ISOLATED WETLANDS

*** NEW BASE DITCH TO BE EXCAVATED PARALLEL TO EXISTING BASE DITCH. PROVIDES DRAINAGE FOR AIRPORT PROPERTY. MITIGATION NOT REQUIRED PER 4C MEETING ON 20 OCT 2010.

**** CAUSEWAY REMOVAL: SITE 6

SEDIMENT & EROSION CONTROL MEASURES:

0.04 acres of Temporary Fill in CAMA Wetlands in the Hand Clearing areas for erosion control measures.

BRIDGE IMPACTS: Impacts for permanent and temporary bents are included in table above. Break-out for impacts are as follows:

Gallants Channel Bridge
 Perm. Fill in CAMA wetlands: 0.02 Ac
 Mech. Clr. in CAMA wetlands:
 Hand Clr. in CAMA wetlands: 0.99 Ac
 Perm. Fill in 404 wetlands: <0.01 Ac
 Hand Clr. in 404 wetlands: 0.08 Ac
 Perm. Fill in Surface Waters: 0.03 Ac

 Temp. Fill in wetlands: 0.07 Ac
 Temp. Fill in Surface Waters: 0.06 Ac.

Turner Street Bridge
 Perm. Fill in CAMA wetlands: <0.01 Ac
 Perm. Fill in 404 wetlands: 0 Ac
 Perm. Fill in Surface Waters: <0.01 Ac

 Temp. Fill in wetlands: <0.01 Ac
 Temp. Fill in Surface Waters: <0.01 Ac.

REVISION - DEC 2015: Revised Temp Work Pads under Gallant Channel Bridge. Added Rip Rap at inlet and outlet of 48" pipe, -L- Sta 68+79. The revision to the work pads do not change the impact to any jurisdictional feature. Also, three bridges and four pipes will be removed from the airport ditch. No impacts are shown for removal of these items.

REVISION - MAY 2016: Revised Temp Work Pads under Gallant Channel Bridge. Added Rip Rap inlet protection at the 48" pipe, -L- Sta 68+79. Revised work pads at bent 12, 14, and between bents 14 and 15. The revision to the work pads do not change the impact to any jurisdictional feature.

REVISION - AUG 2016: Revised impacts at pipe 0832 based on "As-Built" measurements by the Asst. Resident Engineer.

Permit Drawing
 Sheet 34 of 34
 Revised 26 Aug 2016

CONSTRUCTION REVISION
 26-Aug-16

N.C.D.O.T.
 DIVISION OF HIGHWAYS
 CARTERET COUNTY
 PROJECT: 34528.1.1 (R-3307)
 US 70 FROM EXISTING FOUR LANES
 AT RADIO ISLAND TO US 70 NORTH
 OF SR 1429 (OLGA ROAD)