



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAT L. MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

July 31, 2013

Mr. Brad Shaver  
U.S. Army Corps of Engineers  
Regulatory Field Office  
69 Darlington Ave.  
Wilmington, NC 28402-1890

Mr. Stephen Lane  
N.C. Dept. of Environment and Natural Resources  
Division of Coastal Management  
400 Commerce Avenue  
Morehead City, NC 28557

Subject: **Modification Request for the Individual Section 404 and Section 10 Permits, Section 401 Water Quality Certification and Isolated Wetlands Permit and CAMA Major Development Permit** for the Wilmington Bypass from north of US 74/76 in Brunswick County to US 421 in New Hanover County. Federal Aid Project Nos. NHF-0017 (96) and STM-0017 (97), Division 3, TIP No. R-2633B. Debit \$475 from WBS Element 34491.1.2

References: Section 404 Individual Permit, issued January 13, 2011 and modified July 9, 2013, USACE Action ID SAW-1994-03352  
Section 401 Water Quality Certification No. 003842, issued January 13, 2011 and modified May 31, 2013  
CAMA Consistency Concurrence – CD11-003, issued January 14, 2011 and CAMA Major Development Permit, 76-13, issued June 28, 2013

Dear Sirs:

As you are aware, the North Carolina Department of Transportation (NCDOT) proposes to construct a fully controlled access freeway on new alignment from north of US 74/76 in Brunswick County to US 421 in New Hanover County approximately 7.6 miles. The purpose of this letter is to request modifications of the Section 404 Individual Permit, Section 10 Permit, Section 401 Water Quality Certification and Isolated Wetlands Permit, and CAMA Major Development Permit due to a change in impacts from a water and sewer line. Utility Site 1, approximately between Station 46+72 and Station 48+10 right of -Y8-, now has additional impacts to the wetland (WE) and stream (SB) due to water and sewer relocations. This permit modification package includes revised permit utility permit drawings 14 of 15 and 15 of 15.

The initial water line relocation had no proposed impacts to the wetland or stream, however the utility company was not pleased with the design showing the proposed water line being placed beneath the proposed fill and rip rap near the beginning of the proposed bridge. The updated alignment of the proposed water line now crosses the wetland and the stream. The additional impacts are temporary as the wetland and stream will be trenched and backfilled. Part of these temporary impacts are in an area that was previously shown as hand clearing. Additional temporary excavation impacts are <0.01 acre of riparian wetland and <0.01 acre of surface water.

The existing force main sewer line was inadvertently omitted from on the original plans. Due to the Department of Environment and Natural Resources regulations, the sewer line has to have 10 foot horizontal separation from the water line, therefore the proposed force main sewer relocation is shown 10 feet outside the proposed water line which will impact the wetland. There will be no impact to the stream since the proposed force main sewer ties to the existing force main sewer prior to crossing the stream. Additional temporary excavation impacts are <0.01 acre of riparian wetland.

Total temporary excavation impacts from the water line and sewer line are 0.01 acre of riparian wetland and <0.01 acre of surface water.

Section B is in final design and is scheduled to be let for construction on September 17, 2013. The review date was July 2, 2013. Due to the proximity of the let date, we respectfully request that these modifications be processed as soon as possible.

## **REGULATORY APPROVALS**

### Section 404

Application is hereby made for a modification to the USACE Individual 404 Permit as required for the above-described activities.

### Section 401

Application is hereby made for a modification to the Section 401 Water Quality Certification from the N. C. Division of Water Quality. We are providing two copies of this application to the North Carolina Department of Environment and Natural Resources, Division of Water Quality, for their approval.

### Isolated Wetlands Permit

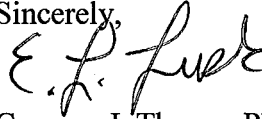
Application is hereby made for a modification to the Isolated Wetlands Permit from the N. C. Division of Water Quality.

CAMA: Application is hereby made for a modification to the Coastal Area Management Act Major Development Permit. Authorization to debit the \$475 Permit Application Fee from WBS Element 34491.1.2 is hereby given.

CAMA: Application is hereby made for a modification to the Coastal Area Management Act Major Development Permit. Authorization to debit the \$475 Permit Application Fee from WBS Element 34491.1.2 is hereby given.

A copy of this permit modification request will be posted on the DOT website at: <https://connect.ncdot.gov/resources/Environmental/Pages>. If you have any questions or need additional information, please contact Rachelle Beauregard at [rbeauregard@ncdot.gov](mailto:rbeauregard@ncdot.gov) or (919) 707-6105.

Sincerely,



Gregory J. Thorpe, Ph.D., Manager  
Project Development and Environmental Analysis Unit

cc:  
NCDOT Permit Application Standard Distribution List.

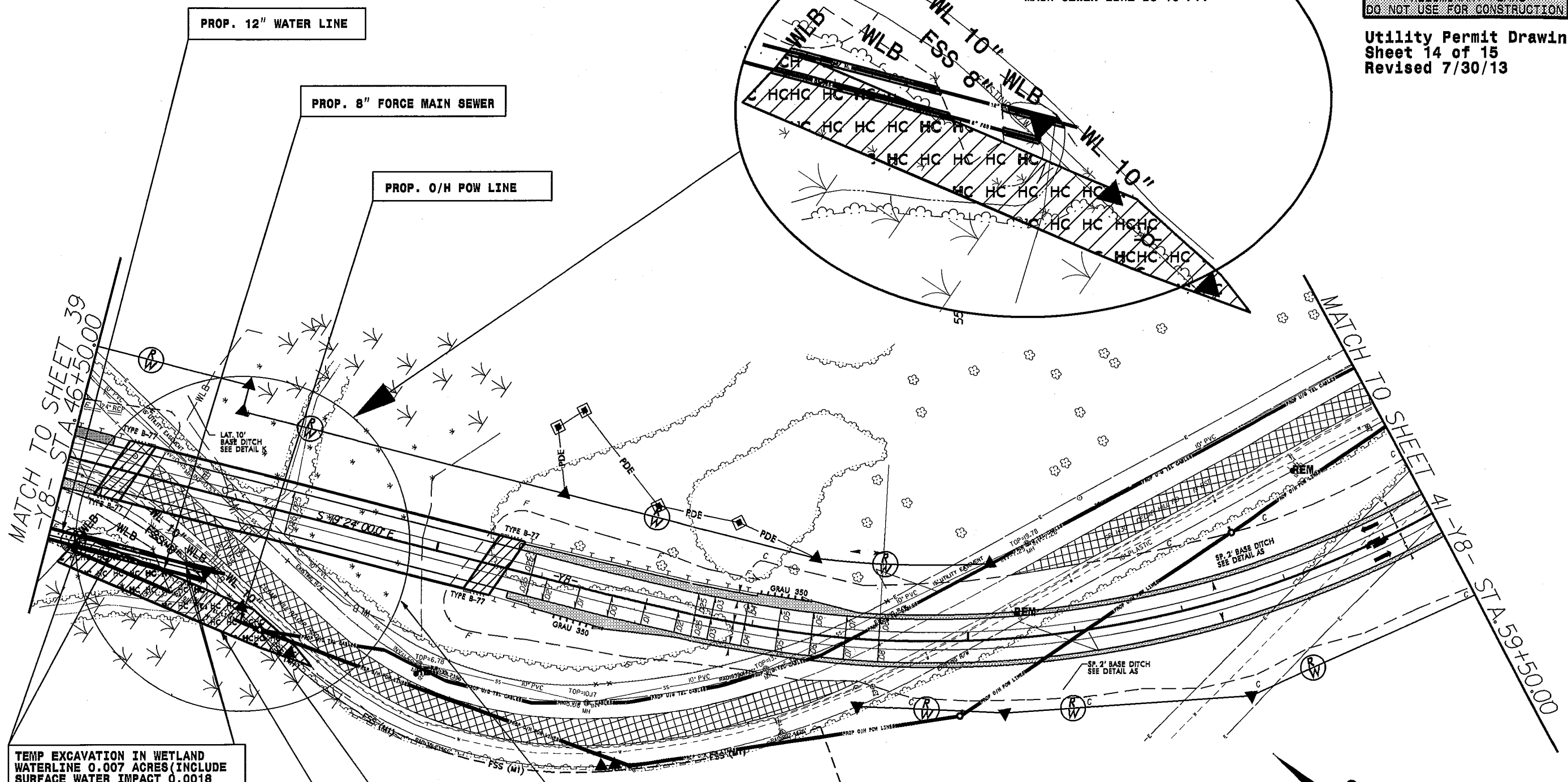
UTILITIES BY OTHERS

NOTE:  
ALL PROPOSED UTILITY WORK  
SHOWN ON THIS SHEET WILL  
BE DONE BY OTHERS

PRELIMINARY PLANS  
DO NOT USE FOR CONSTRUCTION

Utility Permit Drawing  
Sheet 14 of 15  
Revised 7/30/13

TRENCH WIDTH IS 3FT.  
THE DISTANCE BETWEEN PROP.  
WATER LINE AND PROP. FORCE  
MAIN SEWER LINE IS 10 FT.



TEMP EXCAVATION IN WETLAND  
WATERLINE 0.007 ACRES (INCLUDE  
SURFACE WATER IMPACT 0.0018  
ACRES). FORCE MAIN SEWER 0.007  
ACRES EXCAVATION WILL BE SET TO  
THE SIDE AND THEN PLACE BACK  
INTO THE HOLE.

HAND CLEARING IN THE  
WETLAND 0.15 ACRES  
FOR PROP. O/H  
POWER LINES

FILL IN WETLAND  
<0.01 ACRES  
FOR POWER POLE

	DENOTES HAND CLEARING
	DENOTES EXCAVATION IN WETLAND
	DENOTES IMPACTS IN SURFACE WATER

R/W REVISION: 10/30/09 - ADDED PARCEL 75 LINCOLN DEVELOPMENT.  
 R/W REVISION: 02/11/10 - REVISED R/W ON PARCELS 74 AND 75 TO ACCOMMODATE WORK BRIDGE ALONG PROPOSED STRUCTURE  
 R/W REVISION: 07/11/11 - CHANGED MONUMENT ON PARCEL 40 TO RE-ADDED R/W MONUMENTS ON EXISTING R/W EXCHANGED PARCEL 75A TO  
 RODGERS FAMILY PROPERTIES, LLC DB 2722 PG 0782.

30-JUL-2015 09:33  
 R-2633B-UT-WET40\_02\_psh.dgn

5/14/09

MATCH TO SHEET 39  
-Y8- STA. 46+50.00

MATCH TO SHEET 41  
-Y8- STA. 59+50.00

NAD 83/95

SITE 1

**WETLAND PERMIT IMPACT SUMMARY**

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS						SURFACE WATER IMPACTS					
			404 Permanent Fill In Wetlands (ac)	CAMA Permanent Fill In Wetlands (ac)	Temp. Fill In Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	404 Hand Clearing in Wetlands (ac)	CAMA 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	-Y8- 46+60	Prop. O/H Power line						0.15						
	-Y8- 48+58	Prop. Power Pole	<0.01											
	-Y8- 46+77 ~ 48+10	Prop. Water Line				<0.01*				<0.01*				
	-Y8- 46+72 ~ 47+58	Prop. Force Main Sewer				<0.01*								
2	-L- 138+96~141+92	Rig set up of bores 4" gas line						0.83						
	-L- 140+36~140+74	Bell holes for tie-ins 4" gas line				0.02*								
	-L- 140+62~147+63	Equipment Movement						0.48						
	-L- 147+50~147+89	Bell holes for tie-ins 4" gas line				0.02*								
	-L- 147+75~148+80	Weld pipe for bore						0.05						
<b>TOTALS:</b>			<0.01		0.00	0.05	0.00	1.51	0.00	0.00	<0.01	0	0	0.00

\* Temporary Excavation  
Excavation will be set to  
the side and then place  
back into the hole.

NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
BRUNSWICK AND NEW HANOVER COUNTIES  
WBS - 34491.1.2 (R-2633B)

SHEET

*15 of 15*

*rev. 7/30/13*