



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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GOVERNOR

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SECRETARY

June 8, 2015

U. S. Army Corps of Engineers
Regulatory Field Office
3331 Heritage Trade Drive, Suite 105
Wake Forest, NC 27587

ATTN: Mr. Dave Bailey
NCDOT Coordinator

SUBJECT: **Request for Modification to the Section 404 Individual Permit and Section 401 Water Quality Certification** for the proposed Greensboro Western Loop from north of SR 2176 (Bryan Boulevard) to SR 2303 (Lawndale Drive), Guilford County, Division 7. Federal Aid Project No. STP-NHF-124(1), WBS Element No. 34820.1.2, TIP No. U-2524C and D.

REFERENCE: USACE Individual Permit Action ID SAW-2001-21125, dated August 1, 2013.
USACE Individual Permit Modification Action ID SAW-2001-21125, dated March 25, 2014.
NCDWR Project No. 20130223, Certification No. 3965, dated July 2, 2013.
NCDWR Project No. 20130223_v2, Modification to Certification No. 3965, dated April 15, 2014.

Dear Sir:

The purpose of this letter is to request a modification to the United States Army Corps of Engineers (USACE) Section 404 Individual Permit and North Carolina Division of Water Resources Section 401 Certification for the above referenced project. The NCDOT is submitting for approval of mechanized clearing in a wetland for noise wall construction resulting in an additional 0.01 acres of permanent wetland impact (Permit Site 13). A 30-foot wide path has been proposed in the wetland located at Permit Site 13 to allow a 26-foot wide crane to place stone to ensure a solid foundation in the wetland for the noise wall construction. Once construction of the noise wall is complete, the stone will be removed. Please see Table 1 below and the attached revised Permit Drawing Sheets 25, 26, and 39 of 39. Table 2 on page 3 has been updated to show current required mitigation from the NC Division of Mitigation Services (DMS) for Section C. The DMS acceptance letter is forthcoming.

Table 1. Revised U-2524C Wetland Impacts (Final)

Permit Site No.	Wetland ID in CP 4A Packet	JD Package ID	Impact Type	Permanent Impacts (ac)	Temporary Impacts (ac)
1	1W	WA and WB	Permanent Fill	0.10	
			Mechanized Clearing	0.02	
7	Not Identified	WC and WD	Permanent Fill	0.01	
9	11W and 12W	WE, WF, WG, WH	Mechanized Clearing	0.02	
10A	13W	WI	Mechanized Clearing	0.01	
10A	13W	WJ	Temporary Fill		0.01
11	13W	WK	Mechanized Clearing	0.19	
12	13W	WL	Permanent Fill	1.93 (2:1 Ratio) 0.64 (1:1 Ratio)	
			Mechanized Clearing	0.34 (2:1 Ratio) 0.02 (1:1 Ratio)	
13	13W	WM	Permanent Fill	0.59 (2:1 Ratio) 0.65 (1:1 Ratio)	
			Excavation	0.34 (2:1 Ratio)	
			Mechanized Clearing	0.23 (2:1 Ratio) ¹ 0.42 (1:1 Ratio)	
13 Revised ²	15W	WP	Permanent Fill	0.01 (2:1 Ratio)	
14	15W	WQ	Permanent Fill	0.11	
W1	13W	WL	Mechanized Clearing	0.20	
W2	13W	WM	Temporary Excavation		0.79
W3	15W	WN	Mechanized Clearing	0.12	
W4	15W	WQ	Mechanized Clearing	0.01	
1*	15W	WN	Mechanized Clearing	0.14	
2*	15W	WO	Mechanized Clearing	0.04	
3*	15W	WP	Mechanized Clearing	0.01	
Total Impacts				6.15	0.80

Notes: Permit Site Nos. W1 - W4 are from Colonial Pipe Line utilities and Permit Site Nos. 1* - 3* are from Plantation Pipe Line utilities. Most permanent impacts require 2:1 mitigation except for Permit Sites 12 and 13 within the utility easement which USACE determined as 1:1 mitigation. ¹ Revised as of June 2, 2015 for noise wall construction. ² Revised as of March 25, 2014 Permit Modification from USACE and April 15, 2014 Water Quality Certification from NCDWR.

Table 2. Revised U-2524C Required Compensatory Mitigation Summary (Final)

	Stream Impacts in Length (ft)	Riparian Wetland Impacts (ac)
Required USACE Mitigation	2,775 @ 2:1	4.42 @ 2:1 1.73 @ 1:1
Total USACE Mitigation	5,550	10.57
Required NCDWR Mitigation	2,819 at 1:1	6.15 @ 1:1
Total NCDWR Mitigation	2,819	6.15

A copy of this permit modification application and its distribution list will be posted on the NCDOT website at <https://connect.ncdot.gov/resources/Environmental/Pages/default.aspx>. Thank you for your time and assistance with this project. Please contact Greg Price at either gwprice@ncdot.gov or (919) 707-6148 if you have any questions or need additional information.

Sincerely,



for

Richard W. Hancock, P.E., Manager
Project Development and Environmental Analysis Unit

Cc: NCDOT Permit Application Standard Distribution List

WETLAND PERMIT IMPACT SUMMARY

Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS					SURFACE WATER IMPACTS				
			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- 283+36 TO 286+34	48" RCP	0.10	-	-	0.02	-	0.03	0.01	385	13	-
	-L- 286+11 TO 286+22	Bank Stabilization	-	-	-	-	-	-	-	11	-	-
2	-L- 287+09 TO 287+21	30" RCP	-	-	-	-	-	0.01	0.01	13	14	-
	-L- 287+00 TO 287+30	Bank Stabilization	-	-	-	-	-	-	-	11	-	-
	-L- 287+11 TO 287+17	Bank Stabilization	-	-	-	-	-	-	-	32	-	-
3	-L- 296+40 TO 297+18	36" RCP	-	-	-	-	-	0.03	0.01	338	20	-
	-L- 296+44 TO 296+52	Bank Stabilization	-	-	-	-	-	-	-	10	-	-
3A	-L- 296+82 TO 297+00	Roadway	-	-	-	-	-	0.01	-	30	-	-
4	-L- 312+90 TO 313+91	1 @ 10' x 7' RCBC	-	-	-	-	-	0.06	0.01	331	46	-
	-L- 312+95 TO 313+13	Bank Stabilization	-	-	-	-	-	-	-	30	-	-
5	-L- 314+67 TO 321+11	1 @ 10' x 6' RCBC	-	-	-	-	-	0.10	0.01	688	40	-
	-L- 314+72 TO 315+05	Bank Stabilization	-	-	-	-	-	-	-	37	-	-
5A	-L- 320+86 TO 321+95	Roadway	-	-	-	-	-	0.01	-	90	-	-
	-L- 320+78 TO 321+04	Bank Stabilization	-	-	-	-	-	-	-	25	-	-
6	-L- 323+60 TO 324+44	-	-	-	-	-	-	0.04	0.01	60	15	-
7	-L- 345+01 TO 345+88	30" RCP	0.01	-	-	-	-	0.03	0.01	227	10	-
	-L- 345+74 TO 345+85	Bank Stabilization	-	-	-	-	-	-	-	11	-	-
7A	-L- 345+02 TO 345+49	Roadway	-	-	-	-	-	0.01	-	57	-	-
8	-L- 358+77 TO 360+29	54" RCP	-	-	-	-	-	0.05	0.01	412	20	-
	-L- 359+46 TO 359+57	Bank Stabilization	-	-	-	-	-	-	-	13	-	-
9	-L- 380+47 TO 382+86	Bridge	-	-	-	0.02	0.40	-	-	-	-	-
10	-L- 387+31 TO 387+46	Bank Stabilization	-	-	-	-	-	0.01	-	16	-	-
10A	-Y3DET- 11+23 TO 13+92	Temporary Detour	-	0.01	-	0.01	-	-	-	-	-	-
11	-L- 389+65 TO 398+04	Bridge	-	-	-	0.19	1.44	-	-	-	-	-
12	-L- 399+62 TO 408+51	Bridge & Roadway	2.57	-	-	0.36	0.96	-	-	-	-	-
13	-L- 407+72 TO 415+79	Hazardous Spill Basins, Bridge, Roadway & 66" RCP	1.25	-	0.34	0.65	1.57	0.03	0.01	204	20	-
	-L- 409+67 TO 409+73	Bank Stabilization	-	-	-	-	-	-	-	12	-	-
	-L- 410+77 TO 410+89	Bank Stabilization	-	-	-	-	-	-	-	12	-	-
	-L- 411+08 TO 411+42	Bank Stabilization	-	-	-	-	-	-	-	36	-	-
	-L- 414+83 TO 415+16	Bank Stabilization	-	-	-	-	-	-	-	22	-	-
	-L- 414+25 TO 414+97	Temporary Crossing	-	-	-	-	-	-	-	-	80	-
14	-L- 419+09 TO 420+79	Bridge	0.11	-	-	-	-	-	-	-	-	-
TOTALS:			4.04	-	0.34	1.25	4.37	0.42	0.09	3113	278	-

Notes: Permanent Wetland Impacts from bridge construction = 0.11 acres
 Temporary Wetland Impacts from work bridge construction = 0.14 acres
 See Sheet ____ of ____ for a detailed breakdown of the proposed bridge construction impacts.

NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

GUILFORD COUNTY
 U-2524C

Rev. 6/16/2015