



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAT L. MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

December 2, 2013

U. S. Army Corps of Engineers  
Washington Regulatory Field Office  
2407 West 5th Street  
Washington, North Carolina 27889

ATTN: Ms. Tracey Wheeler  
NCDOT Coordinator

SUBJECT: **Application for Section 10 and Section 404 Nationwide Permit 6** for Geotechnical Field Investigations for an alternate of the proposed Phase II B portion of the NC 12 long term improvements in Dare County; TIP Project B-2500 (Phase II B); Federal Aid Project BRNH-0012 (56), WBS Element: 32635.1.6

Dear Madam,

As part of the NEPA alternative analysis process for the Phase II B section of the project, the North Carolina Department of Transportation (NCDOT) Geotechnical Engineering Unit is planning a limited subsurface investigation to gather information for the foundation design of the above-referenced structure. The investigation will take place within the sound alternative alignment.

A Pre-Construction Notification is required for this activity due to Wilmington Regional condition #2.2 as the Pamlico Sound is designated as a High Quality Water.

A private engineering firm will be selected to conduct the investigation for up to 30 soil test borings. The 30 borings will be performed within the corridor shown on the attached site map. The majority of the borings will be located in the Pamlico Sound.

The borings in the sound will be advanced from a jack-up barge, and will consist of turning or driving 3-inch to 8-inch diameter steel casing into the sound bottom creating minimal disturbance. Other drilling tools will be used to sample the sediments and advance the hole within the steel casing. The steel casing will be removed upon completing the boring.

Any borings drilled on land or in shallow water in the sound will be performed with a rubber tired drill rig or low ground pressure tracked drill rig, respectively. These borings will be 3-inch to 8-inch in diameter. Any disturbance from the borings should be limited to within a 2-foot radius of the boring location.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
PROJECT DEVELOPMENT & ENVIRONMENTAL ANALYSIS UNIT  
1598 MAIL SERVICE CENTER  
RALEIGH NC 27699-1598

TELEPHONE: 919-707-6000  
FAX: 919-212-5785

WEBSITE: [NCDOT.GOV](http://NCDOT.GOV)

**LOCATION:**  
CENTURY CENTER, BUILDING B  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC 27610

## NEPA Document Status

The NC 12 Transportation Management Plan will guide the study and implementation of future phases of action in the project area through 2060. Future phases of the project likely will require a similar list of agency permits and approvals as Phases I and IIa.

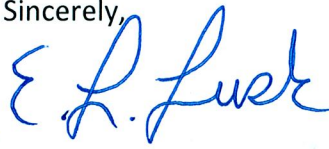
## Regulatory Approvals

The NCDOT anticipates that these activities will be authorized by a Nationwide Permit No. 6. NCDOT will follow the conditions set by a NCDWR Water Quality Certification #3687, and are therefore not requesting written approval.

A Special Use Permit Application will be submitted to Pea Island National Wildlife Refuge under separate cover due to proposed activities on Refuge lands.

If you have any questions or would like additional information, please contact Michael Turchy at [maturchy@ncdot.gov](mailto:maturchy@ncdot.gov) or (919) 707-6157. A copy of this application will be posted at: <https://connect.ncdot.gov/resources/Environmental/Pages/default.aspx>

Sincerely,

*for* 

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

cc:

NCDOT Permit Application Standard Distribution List





Office Use Only:

Corps action ID no. \_\_\_\_\_

DWQ project no. \_\_\_\_\_

Form Version 1.4 January 2009

## Pre-Construction Notification (PCN) Form

### A. Applicant Information

#### 1. Processing

1a. Type(s) of approval sought from the Corps:

☒ Section 404 Permit

☒ Section 10 Permit

1b. Specify Nationwide Permit (NWP) number: 6 or General Permit (GP) number:

1c. Has the NWP or GP number been verified by the Corps?

☐ Yes

☒ No

1d. Type(s) of approval sought from the DWQ (check all that apply):

☐ 401 Water Quality Certification – Regular

☐ Non-404 Jurisdictional General Permit

☐ 401 Water Quality Certification – Express

☐ Riparian Buffer Authorization

1e. Is this notification solely for the record because written approval is not required?

For the record only for DWQ 401 Certification:

☒ Yes

☐ No

For the record only for Corps Permit:

☐ Yes

☒ No

1f. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts? If so, attach the acceptance letter from mitigation bank or in-lieu fee program.

☐ Yes

☒ No

1g. Is the project located in any of NC's twenty coastal counties. If yes, answer 1h below.

☒ Yes

☐ No

1h. Is the project located within a NC DCM Area of Environmental Concern (AEC)?

☒ Yes

☐ No

#### 2. Project Information

2a. Name of project:

B-2500 (Phase II B) - Geotechnical Investigations for the Long Term Improvements to NC 12, Alternative 3, Sound Alternative.

2b. County:

Dare

2c. Nearest municipality / town:

Rodanthe

2d. Subdivision name:

n/a

2e. NCDOT only, T.I.P. or state project no:

B-2500 (Phase II B)

#### 3. Owner Information

3a. Name(s) on Recorded Deed:

North Carolina Department of Transportation

3b. Deed Book and Page No.

3c. Responsible Party (for LLC if applicable):

3d. Street address:

1598 Mail Service Center

3e. City, state, zip:

Raleigh, NC 27699-1598

3f. Telephone no.:

919-707-6157

3g. Fax no.:

919-212-5785

3h. Email address:

maturchy@ncdot.gov

<b>4. Applicant Information (if different from owner)</b>	
4a. Applicant is:	<input type="checkbox"/> Agent <input type="checkbox"/> Other, specify:
4b. Name:	
4c. Business name (if applicable):	
4d. Street address:	
4e. City, state, zip:	
4f. Telephone no.:	
4g. Fax no.:	
4h. Email address:	
<b>5. Agent/Consultant Information (if applicable)</b>	
5a. Name:	
5b. Business name (if applicable):	
5c. Street address:	
5d. City, state, zip:	
5e. Telephone no.:	
5f. Fax no.:	
5g. Email address:	

<b>B. Project Information and Prior Project History</b>		
<b>1. Property Identification</b>		
1a. Property identification no. (tax PIN or parcel ID):		
1b. Site coordinates (in decimal degrees):	Latitude: 35.61171 (DD.DDDDDD)	Longitude: - 75.46664 (-DD.DDDDDD)
1c. Property size:	200 acres	
<b>2. Surface Waters</b>		
2a. Name of nearest body of water (stream, river, etc.) to proposed project:	Pamlico Sound	
2b. Water Quality Classification of nearest receiving water:	SA HQW	
2c. River basin:	Pasquotank	
<b>3. Project Description</b>		
3a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application:  Natural barrier island system, with recreation in Pea Island National Wildlife Refuge and Cape Hatteras National Seashore.		
3b. List the total estimated acreage of all existing wetlands on the property:  Most of the corridor is either in wetland or open water, approximately 200 acres.		
3c. List the total estimated linear feet of all existing streams (intermittent and perennial) on the property:  n/a		
3d. Explain the purpose of the proposed project:  To perform subsurface investigations to determine for foundation design for the above mentioned project.		
3e. Describe the overall project in detail, including the type of equipment to be used:  Please see cover letter for description of work to be performed. Equipment to be used will include rubber tired drill rigs or low ground pressure tracked rigs.		
<b>4. Jurisdictional Determinations</b>		
4a. Have jurisdictional wetland or stream determinations by the Corps or State been requested or obtained for this property / project (including all prior phases) in the past?  Comments:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
4b. If the Corps made the jurisdictional determination, what type of determination was made?	<input type="checkbox"/> Preliminary <input checked="" type="checkbox"/> Final	
4c. If yes, who delineated the jurisdictional areas? Name (if known): Sam Cooper	Agency/Consultant Company: CZR Inc. Other:	
4d. If yes, list the dates of the Corps jurisdictional determinations or State determinations and attach documentation. May 4, 2012, Action ID SAW-2012-00715. The Division of Coastal Management concurred with CAMA mapping on May 30, 2012		
<b>5. Project History</b>		
5a. Have permits or certifications been requested or obtained for this project (including all prior phases) in the past?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	
5b. If yes, explain in detail according to "help file" instructions. Please see attached cover letter.		
<b>6. Future Project Plans</b>		
6a. Is this a phased project?	<input type="checkbox"/> Yes <input type="checkbox"/> No      See Attached Cover Letter	
6b. If yes, explain.		

<b>C. Proposed Impacts Inventory</b>						
<b>1. Impacts Summary</b>						
1a. Which sections were completed below for your project (check all that apply):						
<input type="checkbox"/> Wetlands <input type="checkbox"/> Streams - tributaries <input type="checkbox"/> Buffers <input checked="" type="checkbox"/> Open Waters <input type="checkbox"/> Pond Construction						
<b>2. Wetland Impacts</b>						
If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted.						
2a. Wetland impact number – Permanent (P) or Temporary (T)	2b. Type of impact	2c. Type of wetland (if known)	2d. Forested	2e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other)	2f. Area of impact (acres)	
W1 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
W2 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
W3 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
W4 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
W5 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
W6 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
<b>2g. Total wetland impacts</b>						
2h. Comments:						
<b>3. Stream Impacts</b>						
If there are perennial or intermittent stream impacts (including temporary impacts) proposed on the site, then complete this question for all stream sites impacted.						
3a. Stream impact number - Permanent (P) or Temporary (T)	3b. Type of impact	3c. Stream name	3d. Perennial (PER) or intermittent (INT)?	3e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other)	3f. Average stream width (feet)	3g. Impact length (linear feet)
S1 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S2 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S3 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S4 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S5 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
S6 <input type="checkbox"/> P <input type="checkbox"/> T			<input type="checkbox"/> PER <input type="checkbox"/> INT	<input type="checkbox"/> Corps <input type="checkbox"/> DWQ		
<b>3h. Total stream and tributary impacts</b>						
3i. Comments:						

<b>4. Open Water Impacts</b>									
If there are proposed impacts to lakes, ponds, estuaries, tributaries, sounds, the Atlantic Ocean, or any other open water of the U.S. then individually list all open water impacts below.									
4a. Open water impact number – Permanent (P) or Temporary (T)	4b. Name of waterbody (if applicable)	4c. Type of impact			4d. Waterbody type	4e. Area of impact (acres)			
O1 <input type="checkbox"/> P <input checked="" type="checkbox"/> T	Pamlico Sound	8" maximum borings x 20 borings			Open Water	<0.01			
O2 <input type="checkbox"/> P <input type="checkbox"/> T									
O3 <input type="checkbox"/> P <input type="checkbox"/> T									
O4 <input type="checkbox"/> P <input type="checkbox"/> T									
<b>4f. Total open water impacts</b>						<0.01 (temporary)			
4g. Comments: Actual amount per boring is 50 square inches. Actual total is 1,000 square inches (6.944 square feet).									
<b>5. Pond or Lake Construction</b>									
If pond or lake construction proposed, then complete the chart below.									
5a. Pond ID number	5b. Proposed use or purpose of pond	5c. Wetland Impacts (acres)			5d. Stream Impacts (feet)			5e. Upland (acres)	
		Flooded	Filled	Excavated	Flooded	Filled	Excavated	Flooded	
P1									
P2									
<b>5f. Total</b>									
5g. Comments:									
5h. Is a dam high hazard permit required?		<input type="checkbox"/> Yes <input type="checkbox"/> No      If yes, permit ID no:							
5i. Expected pond surface area (acres):									
5j. Size of pond watershed (acres):									
5k. Method of construction:									
<b>6. Buffer Impacts (for DWQ)</b>									
If project will impact a protected riparian buffer, then complete the chart below. If yes, then individually list all buffer impacts below. If any impacts require mitigation, then you <b>MUST</b> fill out Section D of this form.									
6a. Project is in which protected basin?					<input type="checkbox"/> Neuse <input type="checkbox"/> Tar-Pamlico <input type="checkbox"/> Other: <input type="checkbox"/> Catawba <input type="checkbox"/> Randleman				
6b. Buffer impact number – Permanent (P) or Temporary (T)	6c. Reason for impact	6d. Stream name			6e. Buffer mitigation required?	6f. Zone 1 impact (square feet)	6g. Zone 2 impact (square feet)		
B1 <input type="checkbox"/> P <input type="checkbox"/> T					<input type="checkbox"/> Yes <input type="checkbox"/> No				
B2 <input type="checkbox"/> P <input type="checkbox"/> T					<input type="checkbox"/> Yes <input type="checkbox"/> No				
B3 <input type="checkbox"/> P <input type="checkbox"/> T					<input type="checkbox"/> Yes <input type="checkbox"/> No				
<b>6h. Total buffer impacts</b>									
6i. Comments:									
<b>D. Impact Justification and Mitigation</b>									

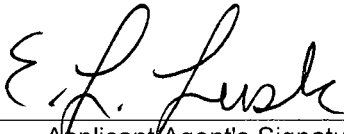
<b>1. Avoidance and Minimization</b>		
1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing project. Any borings drilled on land or in shallow water in the sound will be performed with a rubber tired drill rig or low ground pressure tracked drill rig respectively. All borings will be 3-inch to 8-inch in diameter. Borings were originally located in wetlands, but accommodations were made to shift borings outside of wetlands.		
1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques. NCDOT will implement "Guidelines for Avoiding Impacts to the West Indian Manatee, Precautionary Measures for Construction Activities in North Carolina Waters," during work for this project.		
<b>2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State</b>		
2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
2b. If yes, mitigation is required by (check all that apply):	<input type="checkbox"/> DWQ <input type="checkbox"/> Corps	
2c. If yes, which mitigation option will be used for this project?	<input type="checkbox"/> Mitigation bank <input type="checkbox"/> Payment to in-lieu fee program <input type="checkbox"/> Permittee Responsible Mitigation	
<b>3. Complete if Using a Mitigation Bank</b>		
3a. Name of Mitigation Bank:		
3b. Credits Purchased (attach receipt and letter)	Type	Quantity
3c. Comments:		
<b>4. Complete if Making a Payment to In-lieu Fee Program</b>		
4a. Approval letter from in-lieu fee program is attached.	<input type="checkbox"/> Yes	
4b. Stream mitigation requested:	linear feet	
4c. If using stream mitigation, stream temperature:	<input type="checkbox"/> warm <input type="checkbox"/> cool <input type="checkbox"/> cold	
4d. Buffer mitigation requested (DWQ only):	square feet	
4e. Riparian wetland mitigation requested:	acres	
4f. Non-riparian wetland mitigation requested:	acres	
4g. Coastal (tidal) wetland mitigation requested:	acres	
4h. Comments:		
<b>5. Complete if Using a Permittee Responsible Mitigation Plan</b>		
5a. If using a permittee responsible mitigation plan, provide a description of the proposed mitigation plan.		



<b>6. Buffer Mitigation (State Regulated Riparian Buffer Rules) – required by DWQ</b>				
6a. Will the project result in an impact within a protected riparian buffer that requires buffer mitigation?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6b. If yes, then identify the square feet of impact to each zone of the riparian buffer that requires mitigation. Calculate the amount of mitigation required.				
Zone	6c. Reason for impact	6d. Total impact (square feet)	Multiplier	6e. Required mitigation (square feet)
Zone 1			3 (2 for Catawba)	
Zone 2			1.5	
	6f. Total buffer mitigation required:			
6g. If buffer mitigation is required, discuss what type of mitigation is proposed (e.g., payment to private mitigation bank, permittee responsible riparian buffer restoration, payment into an approved in-lieu fee fund).				
6h. Comments:				

<b>E. Stormwater Management and Diffuse Flow Plan (required by DWQ)</b>	
<b>1. Diffuse Flow Plan</b>	
1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1b. If yes, then is a diffuse flow plan included? If no, explain why. Comments: Temporary subsurface activity only.	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2. Stormwater Management Plan</b>	
2a. What is the overall percent imperviousness of this project?	n/a %
2b. Does this project require a Stormwater Management Plan?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2c. If this project DOES NOT require a Stormwater Management Plan, explain why: subsurface exploration only	
2d. If this project DOES require a Stormwater Management Plan, then provide a brief, narrative description of the plan: n/a	
2e. Who will be responsible for the review of the Stormwater Management Plan?	<input type="checkbox"/> Certified Local Government <input type="checkbox"/> DWQ Stormwater Program <input checked="" type="checkbox"/> DWQ 401 Unit
<b>3. Certified Local Government Stormwater Review</b>	
3a. In which local government's jurisdiction is this project?	n/a
3b. Which of the following locally-implemented stormwater management programs apply (check all that apply):	<input type="checkbox"/> Phase II <input type="checkbox"/> NSW <input type="checkbox"/> USMP <input type="checkbox"/> Water Supply Watershed <input type="checkbox"/> Other:
3c. Has the approved Stormwater Management Plan with proof of approval been attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>4. DWQ Stormwater Program Review</b>	
4a. Which of the following state-implemented stormwater management programs apply (check all that apply):	<input type="checkbox"/> Coastal counties <input type="checkbox"/> HQW <input type="checkbox"/> ORW <input type="checkbox"/> Session Law 2006-246 <input type="checkbox"/> Other: N/A
4b. Has the approved Stormwater Management Plan with proof of approval been attached?	<input type="checkbox"/> Yes <input type="checkbox"/> No n/a
<b>5. DWQ 401 Unit Stormwater Review</b>	
5a. Does the Stormwater Management Plan meet the appropriate requirements?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5b. Have all of the 401 Unit submittal requirements been met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>F. Supplementary Information</b>	
<b>1. Environmental Documentation (DWQ Requirement)</b>	
1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1c. If you answered "yes" to the above, has the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.)  Comments: NEPA FEIS/EA/ROD for TIP B-2500	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>2. Violations (DWQ Requirement)</b>	
2a. Is the site in violation of DWQ Wetland Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), DWQ Surface Water or Wetland Standards, or Riparian Buffer Rules (15A NCAC 2B .0200)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2b. Is this an after-the-fact permit application?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2c. If you answered "yes" to one or both of the above questions, provide an explanation of the violation(s):	
<b>3. Cumulative Impacts (DWQ Requirement)</b>	
3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3b. If you answered "yes" to the above, submit a qualitative or quantitative cumulative impact analysis in accordance with the most recent DWQ policy. If you answered "no," provide a short narrative description.  This is a temporary subsurface geotechnical and design investigation. Cumulative effects of the overall project (B-2500) were thoroughly addressed in the EIS/EA/ROD.	
<b>4. Sewage Disposal (DWQ Requirement)</b>	
4a. Clearly detail the ultimate treatment methods and disposition (non-discharge or discharge) of wastewater generated from the proposed project, or available capacity of the subject facility.  Not applicable.	

<b>5. Endangered Species and Designated Critical Habitat (Corps Requirement)</b>		
5a. Will this project occur in or near an area with federally protected species or habitat?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5b. Have you checked with the USFWS concerning Endangered Species Act impacts?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
5c. If yes, indicate the USFWS Field Office you have contacted.	<input checked="" type="checkbox"/> Raleigh <input type="checkbox"/> Asheville	
5d. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? USFWS website and agency consultation; FEIS/ROD		
<b>6. Essential Fish Habitat (Corps Requirement)</b>		
6a. Will this project occur in or near an area designated as essential fish habitat?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
6b. What data sources did you use to determine whether your site would impact Essential Fish Habitat? NMFS county index; FEIS/ROD		
<b>7. Historic or Prehistoric Cultural Resources (Corps Requirement)</b>		
7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
7b. What data sources did you use to determine whether your site would impact historic or archeological resources? NEPA documentation; FEIS/ROD		
<b>8. Flood Zone Designation (Corps Requirement)</b>		
8a. Will this project occur in a FEMA-designated 100-year floodplain?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
8b. If yes, explain how project meets FEMA requirements: This temporary activity will not result in changes in permanent flood elevations.		
8c. What source(s) did you use to make the floodplain determination? approved NEPA documents		
Richard W. Hancock, PE Applicant/Agent's Printed Name	 Applicant/Agent's Signature <small>(Agent's signature is valid only if an authorization letter from the applicant is provided.)</small>	12-2-13 Date







PROJECT REFERENCE NO.	SHEET
B-2500B	2
<b>SITE PLAN</b>	
0 50 100 FEET	

13201.1028025 (B-2500B), Village of Rodanthe, Dare County  
Design Build Alternate 3

Proposed Drilling Corridor

Proposed Boring Location

145+00

150+00

155+00

B-45  
N:701735  
E:3048088

B-46  
N:701901  
E:3048157

B-47  
N:702092  
E:3048218

B-48  
N:702287  
E:3048261

B-49  
N:702471  
E:3048294

N 9° 51' 01.8" W

