



North Carolina Department of Environment and Natural Resources

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

June 30, 2015

Mr. Stonewall Mathis
Division Environmental Officer
N.C. Dept. of Transportation - Division 3
5501 Barbados Blvd.
Castle Hayne, NC 28429

RECEIVED

JUL 06 2015

DIVISION 3 OFFICE

Dear Mr. Mathis:

Attached is CAMA Minor Development Permit #11-15 for the construction of bike lanes along Wrightsville Avenue from Surry Downs Court to Oleander Avenue within the City of Wilmington, New Hanover County.

In order to validate this permit, please **sign** both copies as indicated. **Retain** the original (yellow copy) for your files and return the signed copy to us in the enclosed, self-addressed envelope.

Your early attention to this matter would be appreciated.

Sincerely,

Stephen Lane
Coastal Management Representative

Enclosures

Cc: Debbie Wilson, Wilmington District Manager

Division of Coastal Management
400 Commerce Ave., Morehead City, NC 28557
Phone: 252-808-2808 \ FAX: 252-247-3330 Internet: www.nccoastalmanagement.net

CAMA MINOR DEVELOPMENT PERMIT



as authorized by the State of North Carolina, Department of Environment,
and Natural Resources and the Coastal Resources Commission for development
in an area of environment concern pursuant to Section 113A-118 of the
General Statutes, "Coastal Area Management"

Issued to N.C. Department of Transportation, authorizing development in the Coastal Shoreline (AEC) within the Right-of-Way of SR 1411, in Wilmington, New Hanover County as requested in the permittee's application, dated received on June 17, 2015. This permit, issued on June 30, 2015, is subject to compliance with the application and site drawing (where consistent with the permit), all applicable regulations and special conditions and notes set forth below. Any violation of these terms may subject permittee to a fine, imprisonment or civil action, or may cause the permit to be null and void.

This permit authorizes the construction of bike lanes along SR 1411(Wrightsville Avenue) from Surry Downs Court to Oleander Avenue within the City of Wilmington.

- (1) All proposed development and associated construction must be done in accordance with the permitted work plat drawing dated received on June 9, 2015.
- (2) All construction must conform to the N.C. Building Code requirements and all other local, State and Federal regulations, applicable local ordinances, and FEMA Flood Regulations.
- (3) Any change or changes in the plans for development, construction, or land use activities will require a re-evaluation and modification of this permit.
- (4) A copy of this permit shall be posted or available on site. Contact DCM Transportation Representative at (252) 808-2808 for a final inspection at completion of work.

(Additional Permit Conditions on Page 2)

This permit action may be appealed by the permittee or other qualified persons within twenty (20) days of the issuing date. From the date of an appeal, any work conducted under this permit must cease until the appeal is resolved.

This permit must be on the project site and accessible to the permit officer when the project is inspected for compliance.

Any maintenance work or project modification not covered under this permit, require further written permit approval.

All work must cease when this permit expires on

December 31, 2018

In issuing this permit it is agreed that this project is consistent with the local Land Use Plan and all applicable ordinances.

This permit may not be transferred to another party without the written approval of the Division of Coastal Management.

Stephen Lane
Coastal Management Representative

Permittee (signature required if conditions above apply to permit)

Name: **N.C. Department of Transportation**

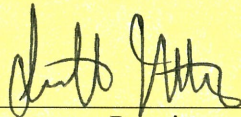
Minor Permit # 11-15

Date: June 30, 2015

Page 2

- (5) The permittee is required to contact the DCM Transportation Representative at (252) 808-2808, shortly before he plans to begin construction to arrange a pre-construction meeting.
- (6) All unconsolidated material resulting from associated grading and landscaping shall be retained on site by effective sedimentation and erosion control measures. Disturbed areas shall be stabilized with vegetation (planted and mulched) within 14 days of construction completion.
- (7) This permit does not authorize development within any wetlands or open water areas.

Signature _____

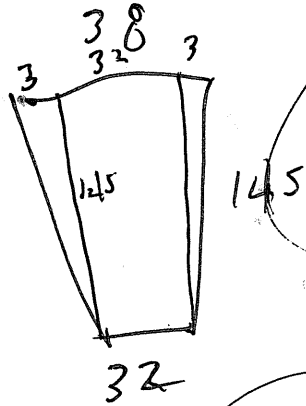


Permittee

Date _____

7/6/15

* Impervious Calculations



$$32 \times 145 = 4640$$

$$+ (3 \times 145) = 435$$

5,075

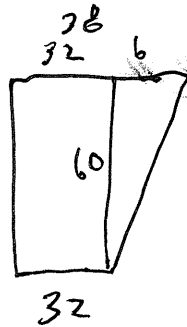
* Branch of Bradley Ck

(west of Bradley Ck proper)



$$+ 32 \times 160 =$$

5,120



$$32 \times 60 = 1920$$

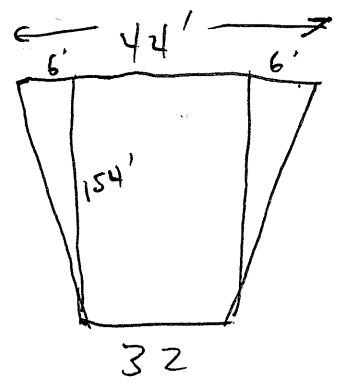
$$+ \frac{1}{2} (6 \times 60) = 180$$

2,100

= 12,295 sq. ft.

Impervious Calculations at Bradley Creek (proper)

$$55' \times 40' = 2,200$$
$$685' \times 32' = 21,920$$



$$32 \times 154 = 4,928$$
$$+ 6 \times 154 = 924$$
$$\hline 5,852$$

$$90' \times 44' = 3,960$$

$$33,932$$

sq. ft.

Total @
Bradley Ck proper



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

June 5, 2015

Stephen Lane
Division of Coastal Management
400 Commerce Ave.
Morehead City, NC 28557

SUBJECT: Application for CAMA Minor Permit for Installing Bike Lanes on
Wrightsville Avenue from Surrey Downs Ct to Oleander Drive in
Wilmington, New Hanover County
WBS # 36333.1.1

Dear Mr. Lane:

The North Carolina Department of Transportation (NCDOT) is requesting issuance of a CAMA Minor Permit to install bike lanes along both sides of Wrightsville Avenue from Surrey Downs Ct to Oleander Drive in Wilmington in New Hanover County. Associated clearing, grubbing, grading, drainage, widening, resurfacing, guardrail, erosion control, pavement markings and markers would be performed as part of this project as further described in the attached application package. Please find enclosed the MP1 and MP3 forms along with supporting documentation and plan sheets. There are no 404/401 impacts proposed associated with this project and as such no such permits are anticipated. This design represents considerable effort to avoid 404/401 impacts.

NCDOT acknowledges that the appropriate fee will be debited against the WBS element provided above for processing this CAMA Minor Permit application.

Thank you for all your help working through this process. If you have any questions or need additional information in this regard please contact me at (910) 341-2036.

Sincerely,

Stonewall Mathis
Division 3 Environmental Officer

Enclosures

SITE DRAWING/APPLICATION CHECKLIST

Please make sure your site drawing includes the following information required for a CAMA minor development permit. The Local Permit Officer will help you, if requested.

** Per discussion w/ Stephen Lane late week of June 8 - June 12 (approx. June 11 or 12) 2015, the drawings previously submitted are acceptable. SDM 6/15/15*

PHYSICAL DIMENSIONS

- Label roads
- Label highways right-of-ways
- Label local setback lines
- Label any and all structures and driveways currently existing on property
- Label adjacent waterbody

PHYSICAL CHARACTERISTICS

- Draw and label normal high water line (contact LPO for assistance)
- Draw location of on-site wastewater system
- If you will be working in the ocean hazard area:
 - Draw and label dune ridges (include spot elevations)
 - Draw and label toe of dunes
 - Identify and locate first line of stable vegetation (contact LPO for assistance)
 - Draw and label erosion setback line (contact LPO for assistance)
 - Draw and label topographical features (optional)
- If you will be working in a coastal shoreline area:
 - Show the roof overhang as a dotted line around the structure
 - Draw and label landward limit of AEC
 - Draw and label all wetland lines (contact LPO for assistance)
 - Draw and label the 30-foot buffer line

DEVELOPMENT PLANS

- Draw and label all proposed structures
- Draw and label areas that will be disturbed and/or landscaped
- Note size of piling and depth to be placed in ground
- Draw and label all areas to be paved or graveled
- Show all areas to be disturbed
- Show landscaping

NOTE TO APPLICANT

Have you:

- completed all blanks and/or indicated if not applicable?
- notified and listed adjacent property owners?
- included your site drawing?
- signed and dated the application?
- enclosed the \$100.00 fee?
- completed an AEC Hazard Notice, if necessary? (Must be signed by the property owner)

FOR STAFF USE

Site Notice Posted Final Inspection Fee Received

Site Inspections

_____	_____
_____	_____
_____	_____

Date of Action: Issued Exempted Denied Appeal Deadline (20 days from permit action) _____



APPLICATION FOR CAMA MINOR DEVELOPMENT PERMIT

In 1974, the North Carolina General Assembly passed the Coastal Area Management Act (CAMA) and set the stage for guiding development in fragile and productive areas that border the state's sounds and oceanfront. Along with requiring special care by those who build and develop, the General Assembly directed the Coastal Resources Commission (CRC) to implement clear regulations that minimize the burden on the applicant.

This application for a minor development permit under CAMA is part of the Commission's effort to meet the spirit and intent of the General Assembly. It has been designed to be straightforward and require no more time or effort than necessary from the applicant. Please go over this folder with the Local Permit Officer (LPO) for the locality in which you plan to build to be certain that you understand what information he or she needs before you apply.

Under CAMA regulations, the minor permit is to be issued within 25 days once a complete application is in hand. Often less time is needed if the project is simple. The process generally takes about 18 days. You can speed the approval process by making certain that your application is complete and signed, that your drawing meets the specifications given inside and that your application fee is attached.

Other permits are sometimes required for development in the coastal area. While these are not CAMA-related, we urge you to check with the Local Permit Officer to determine which of these you may need. A list is included on page two of this folder.

We appreciate your cooperation with the North Carolina Coastal Management Program and your willingness to build in a way that protects the resources of our beautiful and productive coast.

Coastal Resources Commission
Division of Coastal Management

APPLICATION: _____

LOCALITY: _____

PERMIT ISSUED USING
STATIC LINE EXCEPTION?
YES NO

Locality _____ Permit Number _____

Ocean Hazard _____ Estuarine Shoreline _____ ORW Shoreline _____ Public Trust Shoreline _____ Other _____

(For official use only)

GENERAL INFORMATION

LAND OWNER

Name NC Department of Transportation - Stonewall Mathis

Address 5501 Barbados Blvd.

City Castle State NC Zip 28429 Phone 910-341-2036

Email smathis@ncdot.gov

AUTHORIZED AGENT

Name N/A

Address _____

City _____ State _____ Zip _____ Phone _____

Email _____

LOCATION OF PROJECT: (Address, street name and/or directions to site. If not oceanfront, what is the name of the adjacent waterbody.) Wrightsville Avenue from Surry Downs Ct to Oleander Drive

DESCRIPTION OF PROJECT: (List all proposed construction and land disturbance.) Add bike lanes and asse. activities. See attached MP-1 to MP-3 forms (previously submitted)

SIZE OF LOT/PARCEL: ~394,000 square feet ~9 acres

PROPOSED USE: Residential (Single-family Multi-family) Commercial/Industrial Other (PUBLIC)

COMPLETE EITHER (1) OR (2) BELOW (Contact your Local Permit Officer if you are not sure which AEC applies to your property):

(1) **OCEAN HAZARD AECs:** TOTAL FLOOR AREA OF PROPOSED STRUCTURE: N/A square feet (includes air conditioned living space, parking elevated above ground level, non-conditioned space elevated above ground level but excluding non-load-bearing attic space)

(2) **COASTAL SHORELINE AECs:** SIZE OF BUILDING FOOTPRINT AND OTHER IMPERVIOUS OR BUILT UPON SURFACES: 46,227 square feet (includes the area of the roof/drip line of all buildings, driveways, covered decks, concrete or masonry patios, etc. that are within the applicable AEC. Attach your calculations with the project drawing.)

STATE STORMWATER MANAGEMENT PERMIT: Is the project located in an area subject to a State Stormwater Management Permit issued by the NC Division of Water Quality?

YES NO Project covered by NCDOT NPDES Permit.

If yes, list the total built upon area/impervious surface allowed for your lot or parcel: N/A square feet.

OTHER PERMITS MAY BE REQUIRED: The activity you are planning may require permits other than the CAMA minor development permit, including, but not limited to: Drinking Water Well, Septic Tank (or other sanitary waste treatment system), Building, Electrical, Plumbing, Heating and Air Conditioning, Insulation and Energy Conservation, FIA Certification, Sand Dune, Sediment Control, Subdivision Approval, Mobile Home Park Approval, Highway Connection, and others. Check with your Local Permit Officer for more information.

STATEMENT OF OWNERSHIP:

I, the undersigned, an applicant for a CAMA minor development permit, being either the owner of property in an AEC or a person authorized to act as an agent for purposes of applying for a CAMA minor development permit, certify that the person listed as landowner on this application has a significant interest in the real property described therein. This interest can be described as: (check one)

an owner or record title, Title is vested in _____, see Deed Book _____ page _____ in the _____ County Registry of Deeds.

an owner by virtue of inheritance. Applicant is an heir to the estate of _____; probate was in _____ County.

if other interest, such as written contract or lease, explain below or use a separate sheet & attach to this application. NCDOT ROW

NOTIFICATION OF ADJACENT PROPERTY OWNERS:

I furthermore certify that the following persons are owners of properties adjoining this property. I affirm that I have given ACTUAL NOTICE to each of them concerning my intent to develop this property and to apply for a CAMA permit.

- | | (Name) | (Address) |
|-----|---|-----------|
| (1) | <u>See attached list (previously submitted)</u> | _____ |
| (2) | _____ | _____ |
| (3) | _____ | _____ |
| (4) | _____ | _____ |

ACKNOWLEDGEMENTS:

I, the undersigned, acknowledge that the land owner is aware that the proposed development is planned for an area which may be susceptible to erosion and/or flooding. I acknowledge that the Local Permit Officer has explained to me the particular hazard problems associated with this lot. This explanation was accompanied by recommendations concerning stabilization and floodproofing techniques.

I furthermore certify that I am authorized to grant, and do in fact grant, permission to Division of Coastal Management staff, the Local Permit Officer and their agents to enter on the aforementioned lands in connection with evaluating information related to this permit application.

This the 15 day of June, 20 15

Stonewall Mathis [Signature] (NCDOT)
Landowner or person authorized to act as his/her agent for purpose of filing a CAMA permit application

This application includes: general information (this form), a site drawing as described on the back of this application, the ownership statement, the Ocean Hazard AEC Notice where necessary, a check for \$100.00 made payable to the locality, and any information as may be provided orally by the applicant. The details of the application as described by these sources are incorporated without reference in any permit which may be issued. Deviation from these details will constitute a violation of any permit. Any person developing in an AEC without permit is subject to civil, criminal and administrative action.

APPLICATION for Major Development Permit

(last revised 12/27/06)



North Carolina DIVISION OF COASTAL MANAGEMENT

1. Primary Applicant/ Landowner Information			
Business Name North Carolina Department Of Transportation		Project Name (if applicable) Wrightsville Avenue Bike Lanes	
Applicant 1: First Name Stonewall	MI D	Last Name Mathis	
Applicant 2: First Name	MI	Last Name	
<i>If additional applicants, please attach an additional page(s) with names listed.</i>			
Mailing Address 5501 Barbados Blvd.		PO Box	City Castle Hayne State NC
ZIP 28405	Country USA	Phone No. 910 - 341 - 2036 ext.	FAX No. 910 - 675 - 0143
Street Address (if different from above) Same as above		City	State ZIP -
Email smathis@ncdot.gov			

2. Agent/Contractor Information			
Business Name N/A			
Agent/ Contractor 1: First Name	MI	Last Name	
Agent/ Contractor 2: First Name	MI	Last Name	
Mailing Address		PO Box	City State
ZIP		Phone No. 1 - - ext.	Phone No. 2 - - ext.
FAX No.	Contractor #		
Street Address (if different from above)		City	State ZIP -
Email			

<Form continues on back>

3. Project Location			
County (can be multiple) New Hanover	Street Address Wrightsville Avenue from Surrey Downs Ct to Oleander Drive	State Rd. # 1411	
Subdivision Name n/a	City Wilmington	State NC	Zip 28403 -
Phone No. n/a - - ext.	Lot No.(s) (if many, attach additional page with list) DOT ROW, , , ,		
a. In which NC river basin is the project located? Cape Fear	b. Name of body of water nearest to proposed project Bradley Creek		
c. Is the water body identified in (b) above, natural or manmade? <input checked="" type="checkbox"/> Natural <input type="checkbox"/> Manmade <input type="checkbox"/> Unknown	d. Name the closest major water body to the proposed project site. Wrightsville Recreational Area (AIWW)		
e. Is proposed work within city limits or planning jurisdiction? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	f. If applicable, list the planning jurisdiction or city limit the proposed work falls within. City of Wilmington		

4. Site Description	
a. Total length of shoreline on the tract (ft.) Approximately 1050 ft.	b. Size of entire tract (sq.ft.) Approximately 394,000 sq. ft.
c. Size of individual lot(s) n/a, (If many lot sizes, please attach additional page with a list)	d. Approximate elevation of tract above NHW (normal high water) or NWL (normal water level) 5 feet <input checked="" type="checkbox"/> NHW or <input type="checkbox"/> NWL
e. Vegetation on tract Roadside grasses, marsh grasses, wetland grasses and shrubs, shrubs, trees.	
f. Man-made features and uses now on tract An existing paved road facility with an existing bridge and various pipes and culverts and driveway accesses and turn lanes is on the tract.	
g. Identify and describe the existing land uses <u>adjacent</u> to the proposed project site. The bulk of the adjacent land use is residential with some businesses nearby at either end of the project. There is some woodlands (although minimal amount relatively) and significant coastal marsh and creek resources adjacent.	
h. How does local government zone the tract? n/a	i. Is the proposed project consistent with the applicable zoning? (Attach zoning compliance certificate, if applicable) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
j. Is the proposed activity part of an urban waterfront redevelopment proposal? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
k. Has a professional archaeological assessment been done for the tract? If yes, attach a copy. If yes, by whom?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA NCDOT Cultural Resources
l. Is the proposed project located in a National Registered Historic District or does it involve a National Register listed or eligible property? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA	

<Form continues on next page>

m. (i) Are there wetlands on the site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(ii) Are there coastal wetlands on the site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
(iii) If yes to either (i) or (ii) above, has a delineation been conducted? <i>(Attach documentation, if available)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
n. Describe existing wastewater treatment facilities. n/a	
o. Describe existing drinking water supply source. n/a	
p. Describe existing storm water management or treatment systems. The existing stormwater largely drains off of the roadway across vegetated shoulders and either just sheet flows off into adjacent lands, enters swales, or enters a piped system through pipe inlet and/or drop boxes and is discharged downgradient. Existing drop boxes and connected pipes discharge to the marsh to the immediate east of Bradley Creek.	

5. Activities and Impacts	
a. Will the project be for commercial, public, or private use?	<input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Public/Government <input type="checkbox"/> Private/Community
b. Give a brief description of purpose, use, and daily operations of the project when complete. The project will add connected paved shoulder to the existing paved road facility which will be striped accordingly to provide four feet wide bike lanes on both sides of the road. The purpose of the project is to add the bike lanes to the facility to better accommodate bike traffic of which there is existing bike traffic on this facility.	
c. Describe the proposed construction methodology, types of construction equipment to be used during construction, the number of each type of equipment and where it is to be stored. The construction methodology will be typical road widening construction methodology which will employ the typical road construction equipment such as backhoes, excavators, dump trucks, pavers, rollers and the like. The exact numbers of equipment is not known but will be up to the Contractor. The equipment will be stored in upland areas.	
d. List all development activities you propose. Development activities proposed include clearing, grubbing, grading, drainage, widening, resurfacing, guardrail, erosion control, pavement markings and pavement markers.	
e. Are the proposed activities maintenance of an existing project, new work, or both?	Both
f. What is the approximate total disturbed land area resulting from the proposed project?	4 <input type="checkbox"/> Sq.Ft or <input checked="" type="checkbox"/> Acres
g. Will the proposed project encroach on any public easement, public accessway or other area that the public has established use of?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
h. Describe location and type of existing and proposed discharges to waters of the state. The location of existing discharges to waters of the State are at approximate stations 28+00 to 32+00 and from stations 37+50 to 46+00 and at approximate Station 52+50 where water from the existing roadway facility discharges to waters of the state at the referenced locations either by overland flow from the roadway or is conveyed by either ditch/swale or pipe system or a combination of ditches/swales and pipes. The proposed discharges are the same as the existing although some existing ditches/swales would be piped to facilitate the bike lane additions. Other upgrades to drainage would be made also.	
i. Will wastewater or stormwater be discharged into a wetland?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
If yes, will this discharged water be of the same salinity as the receiving water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
j. Is there any mitigation proposed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
If yes, attach a mitigation proposal.	

UPLAND DEVELOPMENT

(Construction and/or land disturbing activities)

Attach this form to Joint Application for CAMA Major Permit, Form DCM MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project. Please include all supplemental information.

GENERAL UPLAND DEVELOPMENT

a. Type and number of buildings, facilities, units or structures proposed.

Addition of 4 feet bike lanes to each side of Wrightsville Ave. Guardrail would be added. Ditches/swales would be piped to accommodate the bike lanes. Upgrades to drainage would be performed such as adjusting drop inlets and replacing grates and installing new or adjusting swales and ditches as necessary.

c. Density (give the number of residential units and the units per acre).

n/a

e. If the proposed project will disturb more than one acre of land, the Division of Land Resources must receive an erosion and sedimentation control plan at least 30 days before land-disturbing activity begins.

(i) If applicable, has a sedimentation and erosion control plan been submitted to the Division of Land Resources?

Yes No NA

(ii) If yes, list the date submitted: NCDOT's in house program will be responsible for the erosion and sedimentation control plan per agreement with NCDEMLR.

g. Give the percentage of the tract within the coastal shoreline AEC to be covered by impervious and/or built-upon surfaces, such as pavement, building, rooftops, or to be used for vehicular driveways or parking.

Approximately 45 percent of the tract within the coastal shoreline AEC would be covered by impervious surface.

b. Number of lots or parcels.

n/a

d. Size of area to be graded, filled, or disturbed including roads, ditches, etc.

Approximately 7 acres which includes approximately 3 acres of resurfacing the existing roadway. Much of the remaining 4 acres would be for the addition of the bike lanes while additional amounts would be for shoulder work and ditch/swale creation and piping of ditches and driveway tie in and the like in the areas adjacent to the roadway.

f. List the materials (such as marl, paver stone, asphalt, or concrete) to be used for impervious surfaces.

Asphalt concrete surface course would be used for the impervious surfaces.

h. Projects that require a CAMA Major Development Permit may also require a Stormwater Certification.

(i) Has a site development plan been submitted to the Division of Water Quality for review?

Yes No NA

