



Public Services

Engineering
212 Operations Center Drive
Wilmington, NC 28412
910 341-7807
910 341-5881 fax
wilmingtonnc.gov
Dial 711 TTY/Voice

January 28, 2015

Mr. Lee Williams
Live Oak Banking Company
1741 Tiburon Drive
Wilmington, NC 28409

**Subject: Stormwater Management Permit No. 2011034R2
Live Oak Bank
Offsite Permit - Revision**

Dear Mr. Williams:

The City of Wilmington Engineering Division has received a request for a revision to the Stormwater Management Permit for Live Oak Bank. Having reviewed the application and all supporting materials, the City of Wilmington has determined that the proposed revision meets the requirements of the City of Wilmington's Comprehensive Stormwater Ordinance.

The revisions include:

- Addition of parking spaces on the phase I side of the project

Please be aware all terms and conditions of the permit 11/23/2011 remain in full force and effect. Any additional changes to the approved plans must be approved by this office prior to construction. The issuance of the plan revision does not preclude the permittee from complying with all other applicable statutes, rules, regulations or ordinances which may have jurisdiction over the proposed activity, and obtaining a permit or approval prior to construction.

The revised stamped, approved stormwater management drawings will be released for construction by the Wilmington Planning Division under separate cover. Please replace any old plan sheets from the approved set with the new, revised sheet. An electronic copy of the approved drawing set, permit, application and supplementary documents will be maintained by the Wilmington Engineering Division. If you have any questions, or need additional information, please contact Robert Gordon at (910) 341-5856 or rob.gordon@wilmingtonnc.gov

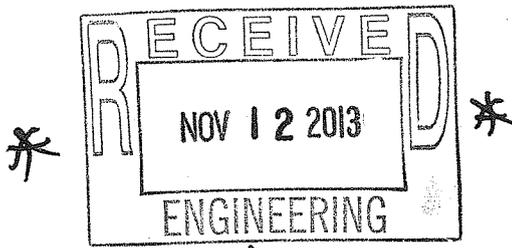
Sincerely,

A handwritten signature in black ink, appearing to read "Sterling Cheatham".

for Sterling Cheatham, City Manager
City of Wilmington

cc: John Tunstall PE, Norris & Tunstall Consulting Engineers
Jeff Walton, Wilmington Development Services/Planning

N&T #13015



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unless otherwise noted



STORMWATER MANAGEMENT PERMIT APPLICATION FORM (Form SWP 2.2)

I. GENERAL INFORMATION

1. Project Name (subdivision, facility, or establishment name - should be consistent with project name on plans, specifications, letters, operation and maintenance agreements, etc.):

Live Oak Bank Phase II

2. Location of Project (street address):

1757 Tiburon Drive

City: Wilmington County: New Hanover Zip: 28403

3. Directions to project (from nearest major intersection):

From the intersection of Independence Boulevard & Tiburon Drive, travel east along Tiburon Drive approximately 1,850'. The site is on the left.

II. PERMIT INFORMATION

1. Specify the type of project (check one): Low Density High Density
 Drains to an Offsite Stormwater System Drainage Plan Other

If the project drains to an Offsite System, list the Stormwater Permit Number(s):

City of Wilmington: 2011033R1 State - NCDENR/DWQ: _____

2. Is the project currently covered (whole or in part) by an existing City or State (NCDENR/DWQ) Stormwater Permit? Yes No

If yes, list all applicable Stormwater Permit Numbers:

City of Wilmington: 2011033R1 State - NCDENR/DWQ: _____

3. Additional Project Permit Requirements (check all applicable):

CAMA Major Sedimentation/Erosion Control

NPDES Industrial Stormwater 404/401 Permit: Proposed Impacts: _____

If any of these permits have already been acquired please provide the Project Name, Project/Permit Number, issue date and the type of each permit:

Currently under review.

III. CONTACT INFORMATION

1. Print Applicant / Signing Official's name and title (specifically the developer, property owner, lessee, designated government official, individual, etc. who owns the project):

Applicant / Organization: Live Oak Banking Company

Signing Official & Title: W. Lee Williams, Executive Vice President / Vice Chairman

- a. Contact information for Applicant / Signing Official:

Street Address: 1741 Tiburon Drive

City: Wilmington State: NC Zip: 28403

Phone: 910-796-1647 Fax: 910-790-5868 Email: lee.williams@liveoakbank.com

Mailing Address (if different than physical address): Same as Above

City: _____ State: _____ Zip: _____

- b. Please check the appropriate box. The applicant listed above is:

- The property owner (Skip to item 3)
 Lessee* (Attach a copy of the lease agreement and complete items 2 and 2a below)
 Purchaser* (Attach a copy of the pending sales agreement and complete items 2 and 2a below)
 Developer* (Complete items 2 and 2a below.)

2. Print Property Owner's name and title below, if you are the lessee, purchaser, or developer. (This is the person who owns the property that the project is on.)

Property Owner / Organization: _____

Signing Official & Title: _____

- a. Contact information for Property Owner:

Street Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

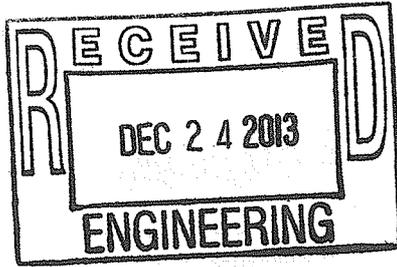
Mailing Address (if different than physical address): _____

City: _____ State: _____ Zip: _____

3. (Optional) Print the name and title of another contact such as the project's construction supervisor or another person who can answer questions about the project:

Other Contact Person / Organization: Norris & Tunstall Consulting Engineers, P.C.

Signing Official & Title: John S. Tunstall, P.E.



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(Rev. 12-23-13)

a. Contact information for person listed in item 3 above:

Street Address: 1127 Floral Parkway, Suite 400

City: Wilmington State: NC Zip: 28403

Phone: 910-343-9653 Fax: 910-343-9604 Email: jtunstall@ntengineers.com

Mailing Address (if different than physical address): Same as Above

City: _____ State: _____ Zip: _____

IV. PROJECT INFORMATION

1. In the space provided below, briefly summarize how the stormwater runoff will be treated.
All new impervious surface will be treated by the Regional Stormwater Pond. 2 parcels were previously identified in the Master Permit as Tracts B1 & B2, which correspond to Drainage Areas 3 & 7 respectively.

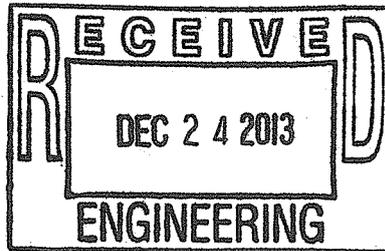
- 2. Total Property Area: 464,664 square feet
- 3. Total Coastal Wetlands Area: 0 square feet
- 4. Total Surface Water Area: 0 square feet
- 5. Total Property Area (2) – Total Coastal Wetlands Area (3) – Total Surface Water Area (4) = Total Project Area: 464,664 square feet.
- 6. Existing Impervious Surface within Property Area: 72,452 square feet
- 7. Existing Impervious Surface to be Removed/Demolished: ~~000~~ 14,915 * square feet
- 8. Existing Impervious Surface to Remain: ~~71,462~~ 71,007 * square feet
- 9. Total Onsite (within property boundary) Newly Constructed Impervious Surface (in square feet):

Buildings/Lots	26,500
Impervious Pavement	<u>55,015</u> <u>56,432</u> *
Pervious Pavement (adj. total, with 0% credit applied)	15,223
Impervious Sidewalks	9,840
Pervious Sidewalks (adj. total, with 0% credit applied)	0
Other (describe)	0
Future Development	<u>148,429</u>
Total Onsite Newly Constructed Impervious Surface	<u>255,007</u> <u>147,467</u> * <u>255,462</u> *

10. Total Onsite Impervious Surface
 (Existing Impervious Surface to remain + Onsite Newly Constructed Impervious Surface) = 326,469 square feet

11. Project percent of impervious area: (Total Onsite Impervious Surface / Total Project Area) x100 = 75 %

* changes to p3 & 4 by RDG 1/27/2015



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(Rev. 12-23-13)

12. Total Offsite Newly Constructed Impervious Area (improvements made outside of property boundary, in square feet):

Impervious Pavement	0
Pervious Pavement (adj. total, with 0 % credit applied)	0
Impervious Sidewalks	0
Pervious Sidewalks (adj. total, with 0 % credit applied)	0
Other (describe)	0
Total Offsite Newly Constructed Impervious Surface	0

13. Total Newly Constructed Impervious Surface

(Total Onsite + Offsite Newly Constructed Impervious Surface) = ~~256007~~ 255,462* square feet

14. Complete the following information for each Stormwater BMP drainage area. If there are more than three drainage areas in the project, attach an additional sheet with the information for each area provided in the same format as below. Low Density projects may omit this section and skip to Section V.

Basin Information	(Type of BMP) BMP # 1	(Type of BMP) BMP #	(Type of BMP) BMP #
Receiving Stream Name	UT Hewlett Creek (>1/2 mile)		
Receiving Stream Index Number	18-87-26		
Stream Classification	SA; HQW (>1/2 mile)		
Total Drainage Area (sf)	464664	0	0
On-Site Drainage Area (sf)	464664		
Off-Site Drainage Area (sf)	0		
Total Impervious Area (sf)	326469	0	0
Buildings/Lots (sf)	52250		
Impervious Pavement (sf)	14157	77,775 *	
Pervious Pavement, % credit (sf)	29733		
Impervious Sidewalks (sf)	18900		
Pervious Sidewalks, % credit (sf)	0		
Other (sf)	0		
Future Development (sf)	148429	147,811 *	
Existing Impervious to remain (sf)	0		
Offsite (sf)	0		
Percent Impervious Area (%)	75		

15. How was the off-site impervious area listed above determined? Provide documentation:

CAD Inventory

VI. CONSULTANT INFORMATION AND AUTHORIZATION

1. Applicant: Complete this section if you wish to designate authority to another individual and/or firm (such as a consulting engineer and /or firm) so that they may provide information on your behalf for this project (such as addressing requests for additional information).

Consulting Engineer: John S. Tunstall, P.E.

Consulting Firm: Norris & Tunstall Consulting Engineers, P.C.

a. Contact information for consultant listed above:

Mailing Address: 1127 Floral Parkway, Suite 400

City: Wilmington State: NC Zip: 28403

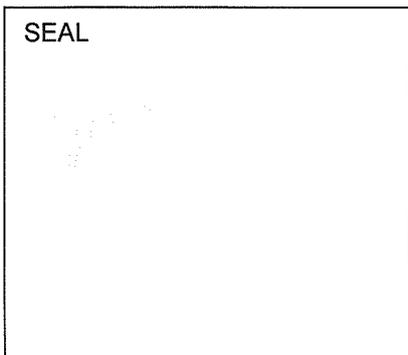
Phone: 910-343-9653 Fax: 910-343-9604 Email: jtunstall@ntengineers.com

VII. PROPERTY OWNER AUTHORIZATION (If Section III(2) has been filled out, complete this section)

I, *(print or type name of person listed in Contact Information, item 2)* _____, certify that I own the property identified in this permit application, and thus give permission to *(print or type name of person listed in Contact Information, item 1)* _____ with *(print or type name of organization listed in Contact Information, item 1)* _____ to develop the project as currently proposed. A copy of the lease agreement or pending property sales contract has been provided with the submittal, which indicates the party responsible for the operation and maintenance of the stormwater system.

As the legal property owner I acknowledge, understand, and agree by my signature below, that if my designated agent *(entity listed in Contact Information, item 1)* dissolves their company and/or cancels or defaults on their lease agreement, or pending sale, responsibility for compliance with the City of Wilmington Stormwater Permit reverts back to me, the property owner. As the property owner, it is my responsibility to notify the City of Wilmington immediately and submit a completed Name/Ownership Change Form within 30 days; otherwise I will be operating a stormwater treatment facility without a valid permit. I understand that the operation of a stormwater treatment facility without a valid permit is a violation of the City of Wilmington Municipal Code of Ordinances and may result in appropriate enforcement including the assessment of civil penalties.

Signature: _____ Date: _____



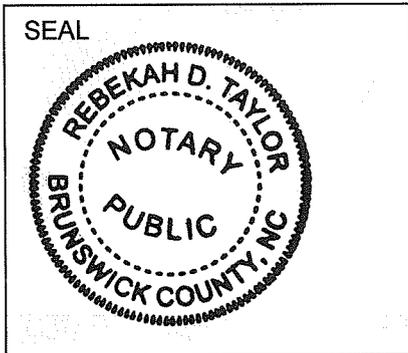
I, _____, a Notary Public for the State of _____, County of _____, do hereby certify that _____ personally appeared before me this day of _____, _____, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,

My commission expires: _____

VIII. APPLICANT'S CERTIFICATION

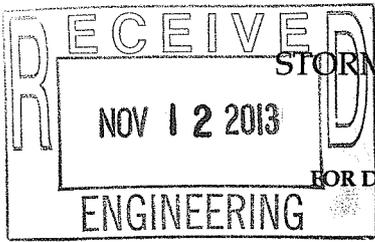
I, (print or type name of person listed in Contact Information, item 1) W. Lee Williams, Executive Vice President / Vice Chairman certify that the information included on this permit application form is, to the best of my knowledge, correct and that the project will be constructed in conformance with the approved plans, that the required deed restrictions and protective covenants will be recorded, and that the proposed project complies with the requirements of the applicable stormwater rules under.

Signature: *W. Lee Williams* Date: 09/23/2013



I, Rebekah D. Taylor, a Notary Public for the State of North Carolina, County of Brunswick, do hereby certify that W. Lee Williams personally appeared before me this day of 23rd of Sept, 2013 and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,
Rebekah D. Taylor
My commission expires: 7-15-18

Permit No. _____
(to be provided by City of Wilmington)



STORMWATER MANAGEMENT PERMIT APPLICATION FORM

OFF-SITE SYSTEM SUPPLEMENT

FOR DEVELOPMENT DRAINING TO PERMITTED OFF-SITE TREATMENT SYSTEMS

This form may be photocopied for use as an original

NIT #13015

City of Wilmington Stormwater Management Plan Review:

A complete stormwater management plan submittal includes a stormwater management permit application, an off-site system supplement for each off-site stormwater treatment system, appropriate supplement forms for any on-site stormwater treatment systems, and plans and specifications showing all stormwater conveyances and drainage details for the project.

I. PROJECT INFORMATION

Project Name : Live Oak Bank Phase II

Contact Person: John S. Tunstall, P.E. Phone Number: (910) 343-9653

Is all drainage from the project directed to the off-site system? (check one): Yes No

II. OFF-SITE SYSTEM INFORMATION (please complete the following information for the off-site system that will treat runoff from your project):

Permit No. 2011033R1

Project Name: Tiburon Parc

Type of System (wet pond, infiltration basin, etc.): Wet Pond

Lot No. (if part of a subdivision): N/A

How much built upon area draining to the permitted treatment system has been allocated to this project? Total Tract B1 & B2 Allocation = 326,469 SF

III. REQUIRED ITEMS CHECKLIST

Prior to issuing an off-site permit, verification of the following information must be provided. Initial in the space provided to indicate that the following requirements have been met and supporting documentation is attached. If the applicant has designated an agent in the Stormwater Management Permit Application Form, the agent may initial below. If a requirement has not been met, attach justification.

Applicants Initials

- [Signature] a. Deed restrictions limiting the built-upon area on the site have been recorded.
- [Signature] b. Engineers certification for the existing off-site system has been submitted to DWQ.
- [Signature] c. There are no outstanding Notices of Violation for the off-site system.
- [Signature] d. Off-site system is in compliance with the issued permit.

IV. STORMWATER COLLECTION SYSTEM MAINTENANCE REQUIREMENTS

1. Mowing will be accomplished as needed according to the season. Grass height will not exceed six inches at any time.
2. Accumulated sediment and trash will be removed from the collection system as necessary. Swales and ditches will be reseeded or sodded following sediment removal.
3. Eroded areas of swales and ditches will be repaired and reseeded. Swales and ditches will be revegetated as needed based on monthly inspections.
4. The collection system, including catch basins, curb cuts, velocity reduction devices, and piping, will be inspected monthly or after every significant runoff producing rainfall event. Trash and debris will be cleared away from grates, curb cuts, velocity reduction devices, and piping.
5. The collection system may not be altered in any way without prior approval from the City of Wilmington Engineering Division.

I acknowledge and agree by my signature below that I am responsible for maintaining the stormwater collection system in accordance with the five maintenance procedures listed above. I agree to notify the City of Wilmington of any problems with the system or prior to any changes to the system or responsible party.

Print Name and Title: W. Lee Williams, Executive Vice President / Vice Chairman

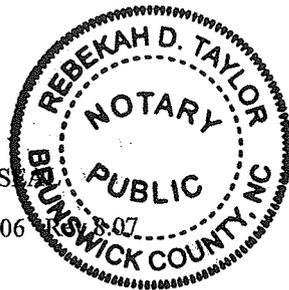
Address: 1741 Tiburon Drive Wilmington, NC 28403

Phone: 910-796-1647 Date: 09/23/2013

Signature: [Handwritten Signature]

Note: The legally responsible party should not be a homeowners association unless more than 50% of the lots have been sold and a resident of the subdivision has been named the president.

I, Rebekah D Taylor, a Notary Public for the State of North Carolina, County of Brunswick, do hereby certify that W. Lee Williams personally appeared before me this 23rd day of Sept., 2013, and acknowledge the due execution of the forgoing document including the stormwater collection system maintenance requirements. Witness my hand and official seal,



Rebekah D Taylor
Notary Public
My commission expires 7/15/18