



Planning, Development, &
Transportation Department
Planning Division
305 Chestnut Street
PO Box 1810
Wilmington, NC 28402-1810

910 254-0900
910 341-3264 fax
wilmingtonnc.gov
Dial 711 TTY/Voice

TRANSMITTAL LETTER

TO: Zoning Enforcement Inspector
DATE: May 16, 2019
SUBJECT: **Friends School of Wilmington** Project # 2018008
LOCATION: 350 Peiffer Avenue

The following items are being sent to you via this package.

QUAN.	DWG./NO.	DESCRIPTION
1	Dated 5/15/19	Friends School of Wilmington Approved Plans
1	Dated 4/8/19	Approved Tree Preservation Permit
1	Dated 5/15/19	City Comprehensive Stormwater Management Permit No. 2019028
1	Dated 5/15/19	NHC Grading Permit #75-95 Rev 4
1	Dated 10/4/16	SU-8-504-W705-M616 Ordinance

REMARKS: The **Friends School of Wilmington** project, located at 350 Peiffer Avenue, is hereby conditionally released for construction. The following conditions must be satisfied as part of this release:

- A. NO FINAL ZONING APPROVALS FOR ANY NEWLY CONSTRUCTED BUILDING SHALL OCCUR UNTIL CAMELLIA LANE HAS BEEN CONSTRUCTED IN ITS ENTIRETY PER THE APPROVED PLANS.**
- B. A PRE-CONSTRUCTION MEETING MUST BE HELD BETWEEN THE SITE CONTRACTOR AND CITY STAFF PRIOR TO ANY SITE WORK, TREE REMOVAL, CLEARING, OR GRADING BEGINNING ON THE SITE. FAILURE TO COMPLY WILL RESULT IN IMMEDIATE CIVIL PENALTIES. CONTACT 910-254-0900.**
- C. ANY TREES, INCLUDING THE CRITICAL ROOT ZONE AREA, AND/OR AREA DESIGNATED TO BE SAVED MUST BE PROPERLY BARRICADED OR MARKED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING AND GRADING WILL OCCUR IN THOSE AREAS.**
- D. NO EQUIPMENT IS ALLOWED ON THE SITE AND NO CONSTRUCTION OF ANY BUILDING, STRUCTURE, WALL, UTILITIES, INFRASTRUCTURE, ETC., OF ANY KIND, INCLUDING FOOTINGS AND BUILDING SLABS, WILL BE PERMITTED UNTIL:**
 - 1. ALL TREE PROTECTION FENCING AND SILT FENCING HAS BEEN INSTALLED**

2. **BETH WETHERILL HAS FORMALLY ISSUED THE GRADING PERMIT AND AUTHORIZED THE ACTIVITY**
 3. **THE CFPUA HAS AUTHORIZED THE WATER AND SEWER ACTIVITIES. THE CONTRACTOR MUST HAVE A PRECON WITH CFPUA 332-6560.**
 4. **THE CITY ZONING INSPECTOR AUTHORIZES THE ACTIVITY.**
- E. A COPY OF THE RECORDED MAP SHOWING ANY REQUIRED EASEMENTS AND RIGHT-OF-WAY FOR THE PROJECT MUST BE SUBMITTED PRIOR TO ISSUANCE OF THE FINAL ZONING APPROVAL.**
- F. THIS DEVELOPMENT SHALL COMPLY WITH ALL LOCAL, CITY TECHNICAL STANDARDS, REGIONAL, STATE AND FEDERAL DEVELOPMENT REGULATIONS. ALL APPLICABLE TRC REQUIREMENTS SHALL BE COMPLETED PRIOR TO ISSUANCE OF THE FINAL ZONING APPROVAL.**
- G. PER THE REQUIREMENTS OF THE STORMWATER PERMIT, THE FOLLOWING SHALL OCCUR PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR OPERATION OF THE PERMITTED FACILITY:**
- **AS-BUILT DRAWINGS FOR ALL STORMWATER MANAGEMENT FACILITIES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON ENGINEERING DIVISION.**
 - **AN ENGINEER'S CERTIFICATION SHALL ALSO BE SUBMITTED, ALONG WITH ALL SUPPORTING DOCUMENTATION THAT SPECIFIES, UNDER SEAL THAT THE AS-BUILT STORMWATER MEASURES, CONTROLS AND DEVICES ARE IN COMPLIANCE WITH THE APPROVED STORMWATER MANAGEMENT PLANS.**
 - **A FINAL INSPECTION IS REQUIRED BY CITY OF WILMINGTON ENGINEERING PERSONNEL (910) 341-5856.**
- H. PRIOR TO A FINAL INSPECTION, A WALKTHROUGH WITH CITY INSPECTIONS SHALL TAKE PLACE TO VERIFY COMPLETENESS OF SITE WORK IN ROW. ANY MATERIAL TEST REPORTS AND STORMWATER VIDEOS AS REQUIRED SHALL BE SUBMITTED PRIOR TO AND APPROVED BY CITY ENGINEERING. PLEASE CONTACT THE CITY ENGINEERING DIVISION AT 910.341.0094.**
- I. THE DEVELOPER ASSUMES ALL RISKS AND PENALTIES WITH ANY DELAY OR STOP WORK ORDER ASSOCIATED WITH THE VIOLATION OF THIS RELEASE. THE DEVELOPER ACKNOWLEDGES THE CONDITIONS OF THIS RELEASE AND ASSUMES ALL RESPONSIBILITIES AND RISKS ASSOCIATED WITH IT. THE CITY OF WILMINGTON WILL NOT BE HELD LIABLE FOR ANY COSTS ASSOCIATED WITH THE CONSTRUCTION RELEASE.**
- J. APPROVAL OF A MAJOR OR MINOR SITE PLAN SHALL EXPIRE AFTER EIGHTEEN (18) MONTHS FROM THE DATE OF SUCH APPROVAL IF THE APPLICANT HAS FAILED TO MAKE SUBSTANTIAL PROGRESS ON THE SITE. THE TECHNICAL REVIEW COMMITTEE MAY GRANT A SINGLE, SIX-MONTH EXTENSION OF THIS TIME LIMIT FOR MAJOR AND MINOR SITE PLANS, FOR GOOD CAUSE SHOWN, UPON RECEIVING A REQUEST FROM THE APPLICANT BEFORE THE EXPIRATION OF THE APPROVED PLAN. IN THE EVENT APPROVAL OF A SITE PLAN HAS EXPIRED, FOR WHATEVER REASONS, THE OWNER AND/OR APPLICANT WILL BE REQUIRED TO RESUBMIT FOR APPROVAL OF A SITE PLAN THAT MEETS CURRENT DEVELOPMENT STANDARDS UNLESS OTHERWISE NOTED IN THIS CHAPTER.**

K. IF THE CONDITIONS LISTED ABOVE ARE VIOLATED, A STOP WORK ORDER WILL BE ISSUED.

Please notify New Hanover County Building Inspections of this release.



Signature: _____
Jeff Walton, Associate Planner

Copy: Howard Resnik, PE	Applicant (e-mail only)
Bret Russell	Construction Manager
Rob Gordon	Engineering
Jim Quinn	Stormwater Specialist
Aaron Reese	Urban Forestry
Rich Christensen	Engineering (email only)
Trent Butler	Engineering (email only)
Chris Elrod	Wilmington Fire Department (e-mail only)
Chris Walker	Wilmington Fire Department (e-mail only)
Brian Blackmon	Surveyor (e-mail only)
Jim Sahlie	GIS Addressing (e-mail only)
Bill McDow	Traffic Engineering (e-mail only)
Don Bennett	Traffic Engineering (e-mail only)
Bernice Johnson	CFPUA (e-mail letter only)
Beth Easley Wetherill	NHC Erosion Control (e-mail only)
Michelle Hutchinson	GIS Engineer (e-mail only)
Amy Beatty	Community Services (e-mail only)
Ryan O'Reilly	Community Services (e-mail only)
Joan Mancuso	City Zoning (email only)



Planning, Development, &
Transportation Department
Planning Division
305 Chestnut Street
PO Box 1810
Wilmington, NC 28402-1810

910 254-0900
910 341-3264 fax
wilmingtonnc.gov

May 16, 2019

Mr. Howard Resnik, PE
CSD Engineering
P. O. Box 4041
Wilmington, NC 28406

RE: Friends School of Wilmington project, located at 350 Peiffer Avenue

Please make note of the conditions for the release as they appear on the attached release letter. These conditions must be followed and met in order for the construction to be approved. ***Prior to beginning any construction or grading on the site, you must have a pre-construction meeting between City staff and the project's representatives. Any violation of this condition will result in an immediate stop work order and other civil penalties. Please contact our zoning office at 254-0900 to schedule the preconstruction meeting.***

All construction on the site must be in accordance with the City of Wilmington standards and the approved construction plans stamped by the City. All trees and areas designated to be saved or protected must be properly barricaded and/or marked throughout construction. In addition please be aware that to obtain a final zoning inspection for this construction project, the appropriate departments within the City of Wilmington must perform and approve final inspections.

To arrange for inspections please contact the assigned Zoning Enforcement Officer, at 254-0900. Staff will coordinate the inspections and provide a punch-list to the Developer within 5 working days. Upon correction of the punch-list items, a final inspection will be performed. ***NOTE: Zoning will not issue final approval until all requirements of the City of Wilmington are fulfilled.***

Please also be advised that any party aggrieved by the issuance of this approval may file a notice of appeal to the City Clerk within 30 days of receipt of active or constructive notice of this decision. It shall be presumed that all persons with standing to appeal have constructive notice of the decision from the date a sign containing the words "Zoning Decision" or "Subdivision Decision" in letters at least six inches high and identifying the means to contact an official for information about the decision is prominently posted on the property that is the subject of the decision, provided the sign remains on the property for at least 10 days. Posting of signs is not the only form of constructive notice. Any such posting shall be the responsibility of the landowner or applicant. Verification of the posting shall be provided to the official who made the decision. Absent an ordinance provision to the contrary, posting of signs shall not be required.

The City thanks you for your investment in our community and we look forward to working with you towards the construction of a quality development project.

Sincerely,

A handwritten signature in black ink that reads "Jeff Walton".

Jeff Walton
Associate Planner



Development Services
 Planning Division
 305 Chestnut Street
 PO Box 1810
 Wilmington, NC 28402-1810

910 254-0900
 910 341-3264 fax
 www.wilmingtonnc.gov
 Dial 711 TTY/Voice

APPROVED: X DENIED: _____

PERMIT #: TPP-19-163

Application for Tree Removal Permit

Name of Applicant: Friends School of Wilmington Phone: 910-792-1811 Date: 3-4-19

Name of Property Owner: Friends School of Wilmington Phone: 910-792-1811

Property Owner Address: 350 Peiffer Avenue Wilmington, NC 28409

Address of Proposed Tree Removal: 350 Peiffer Avenue Wilmington, NC 28409

Description of tree(s) to be removed/reason for removal: (provide attachment if necessary)

- 1. See Tree Inventory - Mitigation Plan 6. _____
- 2. (trees removed per conflicts with 7. _____
- 3. infrastructure / necessary site improvements). 8. _____
- 4. _____ 9. _____
- 5. _____ 10. _____

Description of Replacement Tree(s): See Tree Inventory - Mitigation Plan

Applicant Signature: [Signature] Date: 3-4-19

*****FOR OFFICIAL USE ONLY*****

Reviewed By: [Signature] Date: 4-8-19

Remarks: _____

ALL WORK MUST BE IN COMPLIANCE WITH THE CITY LAND DEVELOPMENT CODE,
 ARTICLE 8, LANDSCAPING AND TREE PRESERVATION.

NEW CONSTRUCTION: _____ EXPANSION: _____ OTHER: _____ PAID: \$100.00 pd 3/22/19

Tree Preservation Permit Fees	
Less than 1 acre	\$25.00
1-5 acres	\$50.00
5-10 acres	\$100.00
Greater than 10 acres	\$150.00

RECEIVED
 MAR 22 2019

CITY OF WILMINGTON
*** CUSTOMER RECEIPT

Batch ID 3/22/19 01

Type SvcCd Descri
02 PERMIT

Qty

PERMITS / TREE PERM 01000003478002
TREE REMOVAL PERMIT
FRIENDS SCHOOL OF WILMINGTON
350 HILFFER AVE
BY JOAN MANCLES
FOR JEFF WALTON
PAC

Tender detail

OK Ref#	18194	\$100.00
Total tendered:		\$100.00
Total payment:		\$100.00

Trans date 3/22/19 Time 10:15:0

** THANK YOU **

COMPREHENSIVE STORMWATER MANAGEMENT PERMIT

HIGH DENSITY DEVELOPMENT

SECTION 1 – APPROVAL

Having reviewed the application and all supporting materials, the City of Wilmington has determined that the application is complete and the proposed development meets the requirements of the City of Wilmington's Comprehensive Stormwater Ordinance.

PERMIT HOLDER: **Friends School of Wilmington**
PROJECT: **Friends School of Wilmington**
ADDRESS: **350 Peiffer Avenue**
PERMIT #: **2019028**
DATE: **May 15, 2019**

Therefore, the above referenced site is hereby approved and subject to all conditions set forth in Section 2 of this approval and all applicable provisions of the City of Wilmington Comprehensive Stormwater Management Ordinance.

This permit shall be effective from the date of issuance until May 15, 2029 and shall be subject to the following specified conditions and limitations:

Section 2 - CONDITIONS

1. This approval is valid only for the stormwater management system as proposed on the approved stormwater management plans dated May 15, 2019.
2. The project will be limited to the amount and type of built-upon area indicated in Section IV of the Stormwater Management Application Form submitted as part of the approved stormwater permit application package, and per the approved plans.
3. This permit shall become void unless the facilities are constructed in accordance with the approved stormwater management plans, specifications and supporting documentation, including information provided in the application and supplements.
4. The runoff from all built-upon area within any permitted drainage area must be directed into the permitted stormwater control system for that drainage area.



Public Services

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

5. The permittee shall submit a revised stormwater management application packet to the City of Wilmington and shall have received approval prior to construction, for any modification to the approved plans, including, but not limited to, those listed below:
 - a. Any revision to any item shown on the approved plans, including the stormwater management measures, built-upon area, details, etc.
 - b. Redesign or addition to the approved amount of built-upon area or to the drainage area.
 - c. Further subdivision, acquisition, lease or sale of any part of the project area.
 - d. Filling in, altering, or piping of any vegetative conveyance shown on the approved plan.
 - e. Construction of any permitted future areas shown on the approved plans.
6. A copy of the approved plans and specifications shall be maintained on file by the Permittee.
7. During construction, erosion shall be kept to a minimum and any eroded areas of the system will be repaired immediately.
8. If the stormwater system was used as an Erosion Control device, it must be restored to design condition prior to operation as a stormwater treatment device, and prior to issuance of any certificate of occupancy for the project.
9. All areas must be maintained in a permanently stabilized condition. If vegetated, permanent seeding requirements must follow the guidelines established in the North Carolina Erosion and Sediment Control Planning and Design Manual unless an alternative is specified and approved by the City of Wilmington.
10. All applicable operation & maintenance agreements and easements pertaining to each stormwater treatment system shall be referenced on the final plat and recorded with the Register of Deeds upon final plat approval. If no plat is recorded for the site the operation and maintenance agreements and easements shall be recorded with the Register of Deeds so as to appear in the chain of title of all subsequent purchasers under generally accepted searching standards.
11. The stormwater management system shall be constructed in its entirety, vegetated and operational for its intended use prior to the construction of any built-upon surface unless prior approval is obtained. City Staff must be notified of any deviation prior to construction of the built-upon surface. Any deviation request shall include justification and must propose an alternative timeline or construction sequence. Notification shall not constitute approval. Any alternative timeline approved by City staff shall become an enforceable component of this permit.



Public Services

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

12. The permittee shall at all times provide the operation and maintenance necessary to assure the permitted stormwater system functions at optimum efficiency. The approved Operation and Maintenance Agreement must be followed in its entirety and maintenance must occur at the scheduled intervals including, but not limited to:
 - a. Scheduled inspections (interval noted on the agreement).
 - b. Sediment removal.
 - c. Mowing and revegetation of slopes and the vegetated areas.
 - d. Maintenance of landscape plants, including those within the landscape buffer and on the vegetated shelf.
 - e. Immediate repair of eroded areas, especially slopes.
 - f. Debris removal and unclogging of outlet structure, orifice device, flow spreader, catch basins and/or piping.
 - g. Access to the outlet structure must be available at all times.
13. Records of inspection, maintenance and repair for the permitted stormwater system must be kept by the permittee for at least 5 years from the date of record and made available upon request to authorized personnel of the City of Wilmington. The records will indicate the date, activity, name of person performing the work and what actions were taken.
14. Upon completion of construction, before a Certificate of Occupancy shall be granted, and prior to operation or intended use of this permitted facility, the applicant shall submit to the City of Wilmington as-built plans for all stormwater management facilities. The plans shall show the final design specifications and the field location, type, depth, invert and planted vegetation of all measures, controls and devices, as-installed. A certification shall be submitted, along with all supporting documentation that specifies, under seal that the as-built stormwater measures, controls and devices are in compliance with the approved stormwater management plans. A final inspection by City of Wilmington personnel will be required prior to issuance of a certificate of occupancy or operation of the permitted facility.
15. This permit is not transferable except after application and approval by the City of Wilmington. In the event of a change of ownership, name change or change of address the permittee must submit a completed Name/Ownership Change form to the City of Wilmington at least 30 days prior to the change. It shall be signed by all applicable parties, and be accompanied by all required supporting documentation. Submittal of a complete application shall not be construed as an approved application. The application will be reviewed on its own merits by the City of Wilmington and may or may not be approved. The project must be in compliance with the terms of this permit in order for the transfer request to be considered. The permittee is responsible for compliance with all permit conditions until such time as the City of Wilmington approves the transfer request. Neither the sale of the project nor the conveyance of common area to a third party should be considered as an approved transfer of the permit.
16. Failure to abide by the conditions and limitations contained in this permit may subject the Permittee to enforcement action by the City of Wilmington, in accordance with Sections 18-52 and 18-53 and any other applicable section of the Land Development Code.




Public Services

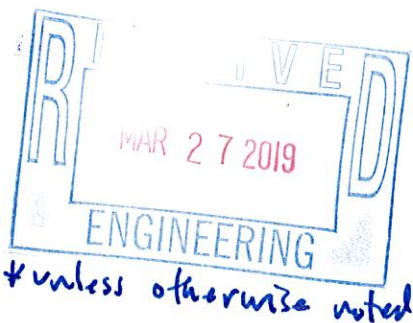
Engineering
212 Operations Center Drive
Wilmington, NC 28412
910 341-7807
910 341-5881 fax
wilmingtonnc.gov
Dial 711 TTY/Voice

17. The City of Wilmington may notify the permittee when the permitted site does not meet one or more of the minimum requirements of the permit. Within the time frame specified in the notice, the permittee shall submit a written time schedule to the City of Wilmington for modifying the site to meet minimum requirements. The permittee shall provide copies of revised plans and certification in writing to the City of Wilmington that the changes have been made.
18. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances, which may be imposed by other government agencies (local, state, and federal) having jurisdiction.
19. In the event that the facilities fail to perform satisfactorily, including the creation of nuisance conditions, the Permittee shall take immediate corrective action, including those as may be required by the City of Wilmington, such as the construction of additional or replacement stormwater management systems.
20. The permittee grants City of Wilmington Staff permission to enter the property during normal business hours for the purpose of inspecting all components of the permitted stormwater management facility.
21. The permit issued shall continue in force and effect until revoked or terminated by the City of Wilmington. The permit may be modified, revoked and reissued or terminated for cause. The filing of a request for a permit modification, revocation and re-issuance or termination does not stay any permit condition.
22. The approved stormwater management plans and all documentation submitted as part of the approved stormwater management permit application package for this project are incorporated by reference and are enforceable parts of the permit.
23. The permittee shall submit a renewal request with all required forms and documentation at least 180 days prior to the expiration date of this permit.
24. If any one or more of the conditions of this permit is found to be unenforceable or otherwise invalidated, all remaining conditions shall remain in full effect.

Stormwater Management Permit issued this the 15th day of May, 2019.



for Sterling Heatham, City Manager
City of Wilmington



Public Services
 Engineering
 414 Chestnut St, Suite 200
 Wilmington, NC 28401
 910 341-7807
 910 341-5881 fax
 wilmingtonnc.gov
 Dial 711 TTY/Voice



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.):

Friends School of Wilmington

2. Location of Project (street address):

350 Peiffer Avenue

City: Wilmington County: New Hanover Zip: 28409

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

From intersection of Oleander Drive / US 76 and Greenville Loop Road - travel 0.3 miles west to Peiffer Ave.
Turn left onto Peiffer Ave. Site is located approximately 0.45 miles on the right.

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: 2007043 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: _____ State - NCDENR/DWQ: SW8 060306

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:

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: Friends School of Wilmington

Signing Official & Title: Brenda Esch

- a. Contact information for Applicant / Signing Official:

Street Address: 350 Peiffer Avenue

City: Wilmington State: NC Zip: 28409

Phone: 910-792-1811 Fax: _____ Email: brenda@fsow.org

Mailing Address (if different than physical address): _____

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: _____

Signing Official & Title: _____

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

Street Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

Mailing Address (if different than physical address): _____

City: _____ State: _____ Zip: _____

IV. PROJECT INFORMATION

1. In the space provided below, briefly summarize how the stormwater runoff will be treated.

Runoff will be collected by storm drain collection system and discharged into a wet pond.

2. Total Property Area: ~~316,636~~^{316,856} square feet 4/30/19 RAC

RECEIVED

APR 18 2019

3. Total Coastal Wetlands Area: 0 square feet

4. Total Surface Water Area: 0 square feet

ENGINEERING

5. Total Property Area (2) – Total Coastal Wetlands Area (3) – Total Surface Water Area (4) = Total Project Area: ~~316,636~~ square feet.

6. Existing Impervious Surface within Property Area: ^{316,856}47,195 square feet

7. Existing Impervious Surface to be Removed/Demolished: 21,996 square feet

8. Existing Impervious Surface to Remain: 25,199 square feet

9. Total Onsite (within property boundary) Newly Constructed Impervious Surface (*in square feet*):

Buildings/Lots	26,662
Impervious Pavement	29,216
Pervious Pavement (adj. total, with % credit applied)	
Impervious Sidewalks	13,685
Pervious Sidewalks (adj. total, with % credit applied)	
Other (describe)	
Future Development	5,000
Total Onsite Newly Constructed Impervious Surface	74,563

10. Total Onsite Impervious Surface

(Existing Impervious Surface to remain + Onsite Newly Constructed Impervious Surface) = 99,762 square feet

11. Project percent of impervious area: (Total Onsite Impervious Surface / Total Project Area) x100 = 31.48%

31.48

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

Impervious Pavement	13,215
Pervious Pavement (adj. total, with % credit applied)	
Impervious Sidewalks	2,841
Pervious Sidewalks (adj. total, with % credit applied)	
Other (describe)	
Total Offsite Newly Constructed Impervious Surface	16,056

13. Total Newly Constructed Impervious Surface

(Total Onsite + Offsite Newly Constructed Impervious Surface) = 90619 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	BMP # 1	BMP #	(Type of BMP) BMP #
Receiving Stream Name	UT to Hewletts Creek		
Receiving Stream Index Number	18-87-26		
Stream Classification	SA/HQW		
Total Drainage Area (sf)	301808	0	0
On-Site Drainage Area (sf)	187793		
Off-Site Drainage Area (sf)	114015		
Total Impervious Area (sf)	158221	0	0
Buildings/Lots (sf)	26662		
Impervious Pavement (sf)	29216		
Pervious Pavement, % credit (sf)			
Impervious Sidewalks (sf)	13685		
Pervious Sidewalks, % credit (sf)			
Other (sf)			
Future Development (sf)	5000		
Existing Impervious to remain (sf)	25061		
Offsite (sf)	58597		
Percent Impervious Area (%)	52.5		

15. How was the off-site impervious area listed above determined? Provide documentation:
copied for existing NCDENR stormwater permit

RECEIVED
APR 18 2019
ENGINEERING

V. SUBMITTAL REQUIREMENTS

1. Supplemental and Operation & Maintenance Forms - One applicable City of Wilmington Stormwater BMP supplement form and checklist must be submitted for **each** BMP specified for this project. One applicable proposed operation and maintenance (O&M) form must be submitted for **each type** of stormwater BMP. Once approved, the operation and maintenance forms must be referenced on the final plat and recorded with the register of deeds office.
2. Deed Restrictions and Restrictive Covenants - For all subdivisions, outparcels, and future development, the appropriate property restrictions and protective covenants are required to be recorded prior to the sale of any lot. Due to variability in lot sizes or the proposed BUA allocations, a table listing each lot number, lot size, and the allowable built-upon area must be provided as an attachment to the completed and notarized deed restriction form. The appropriate deed restrictions and protective covenants forms can be downloaded at the link listed in section V (3). Download the latest versions for each submittal.

In instances where the applicant is different than the property owner, it is the responsibility of the property owner to sign the deed restrictions and protective covenants form while the applicant is responsible for ensuring that the deed restrictions are recorded.

By the notarized signature(s) below, the permit holder(s) certify that the recorded property restrictions and protective covenants for this project, if required, shall include all the items required in the permit and listed on the forms available on the website, that the covenants will be binding on all parties and persons claiming under them, that they will run with the land, that the required covenants cannot be changed or deleted without concurrence from the City of Wilmington, and that they will be recorded prior to the sale of any lot.

3. Only complete application packages will be accepted and reviewed by the City. A complete package includes all of the items listed on the City Engineering Plan Review Checklist, including the fee. Copies of the Engineering Plan Review Checklist, all Forms, Deed Restrictions as well as detailed instructions on how to complete this application form may be downloaded from:

<http://www.wilmingtonnc.gov/PublicServices/Engineering/PlanReview/StormwaterPermits.aspx>

The complete application package should be submitted to the following address:

City of Wilmington – Engineering
Plan Review Section
414 Chestnut Street, Suite 200
Wilmington, NC 28402

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: Howard Resnik, PE

Consulting Firm: CSD Engineering

a. Contact information for consultant listed above:

Mailing Address: PO BOX 4041

City: Wilmington State: NC Zip: 28406

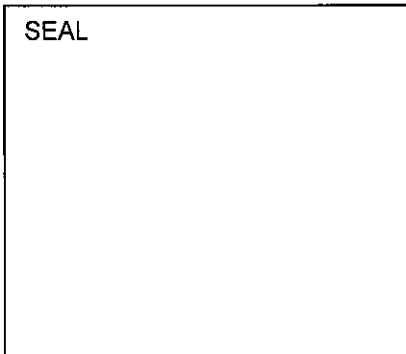
Phone: 910-791-4441 Fax: 910-791-1501 Email: howard@csd-engineering.com

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: _____



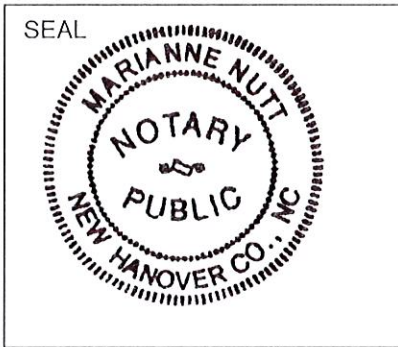
I, _____, a Notary Public for the State of _____, County of _____, do hereby certify that _____ personally appeared before me this day of _____, _____, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,

My commission expires: _____

VIII. APPLICANT'S CERTIFICATION

I, *(print or type name of person listed in Contact Information, item 1)* Brenda Esch 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: *Brenda Esch* Date: 11/02/18



I, MARIANNE NUTT, a Notary Public for the State of North Carolina, County of NEW HANOVER, do hereby certify that Brenda Esch personally appeared before me this day of November 2, 2018, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,
Marianne Nutt
My commission expires: February 4, 2022

SUPPLEMENT-EZ COVER PAGE

FORMS LOADED

PROJECT INFORMATION		
1	Project Name	Friends School of Wilmington
2	Project Area (ac)	7.8
3	Coastal Wetland Area (ac)	
4	Surface Water Area (ac)	
5	Is this project High or Low Density?	High
6	Does this project use an off-site SCM?	No

COMPLIANCE WITH 02H .1003(4)		
7	Width of vegetated setbacks provided (feet)	
8	Will the vegetated setback remain vegetated?	
9	Is BUA other than as listed in .1003(4)(c-d) out of the setback?	
10	Is streambank stabilization proposed on this project?	

NUMBER AND TYPE OF SCMs:		
11	Infiltration System	0
12	Bioretention Cell	0
13	Wet Pond	1
14	Stormwater Wetland	0
15	Permeable Pavement	0
16	Sand Filter	0
17	Rainwater Harvesting (RWH)	0
18	Green Roof	0
19	Level Spreader-Filter Strip (LS-FS)	0
20	Disconnected Impervious Surface (DIS)	0
21	Treatment Swale	0
22	Dry Pond	0
23	StormFilter	0
24	Silva Cell	0
25	Bayfilter	0
26	Filterra	0

FORMS LOADED

DESIGNER CERTIFICATION		
27	Name and Title:	Howard Resnik, PE
28	Organization:	CSD Engineering
29	Street address:	PO BOX 4041
30	City, State, Zip:	Wilmington, NC 28406
31	Phone number(s):	910-791-4441
32	Email:	howard@csd-engineering.com

Certification Statement:

I certify, under penalty of law that this Supplement-EZ form and all supporting information were prepared under my direction or supervision; that the information provided in the form is, to the best of my knowledge and belief, true, accurate, and complete; and that the engineering plans, specifications, operation and maintenance agreements and other supporting information are consistent with the information provided here.

Designer

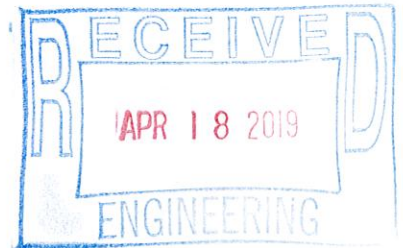


[Handwritten Signature]

Signature of Designer

4-8-19

Date



DRAINAGE AREAS

1	Is this a high density project?	Yes
2	If so, number of drainage areas/SCMs	1
3	Is all/part of this project subject to previous rule versions?	No

FORMS LOADED

DRAINAGE AREA INFORMATION		Entire Site	1
4	Type of SCM	pond	pond
5	Total BUA in project (sq ft)	99624 sf ✓	
6	New BUA on subdivided lots (subject to permitting) (sq ft)		
7	New BUA outside of subdivided lots (subject to permitting) (sf)		
8	Offsite - total area (sq ft)	114015 sf ✓	
9	Offsite BUA (sq ft)	58597 sf ✓	
10	Breakdown of new BUA outside subdivided lots:		
	- Parking (sq ft)	29216 sf ✓	
	- Sidewalk (sq ft)	13685 sf ✓	
	- Roof (sq ft)	26662 sf ✓	
	- Roadway (sq ft)		
	- Future (sq ft)	5000 sf ✓	
	- Other, please specify in the comment box below (sq ft)		
11	New infiltrating permeable pavement on subdivided lots (sq ft)		
12	New infiltrating permeable pavement outside of subdivided lots (sq ft)		
13	Existing BUA that will remain (not subject to permitting) (sq ft)		
14	Existing BUA that is already permitted (sq ft)	25061 sf ✓	
15	Existing BUA that will be removed (sq ft)		
16	Percent BUA		
17	Design storm (inches)	1.5 in ✓	
18	Design volume of SCM (cu ft)	19702 cf ✓	
19	Calculation method for design volume	simple ✓	

ADDITIONAL INFORMATION	
20	Please use this space to provide any additional information about the drainage area(s):

DRAINAGE AREA INFORMATION		Entire Site	1
4	Type of SCM	N/A	
5	Total BUA from project (sq ft)		99624 sf
6	1995 rules		
	SL 2006-246		
	2008 rules		
	2017 rules		
7	New BUA on subdivided lots (subject to permitting) (sq ft)		
	1995 rules		
	SL 2006-246		
	2008 rules		
	2017 rules		
8	New BUA outside of subdivided lots (subject to permitting) (sf)		
	1995 rules		
	SL 2006-246		
	2008 rules		
	2017 rules		
9	Offsite - total area (sq ft)		
	1995 rules		
	SL 2006-246		
	2008 rules		
	2017 rules		
10	Offsite BUA (sq ft)		
	1995 rules		
	SL 2006-246		
	2008 rules		
	2017 rules		
11	Design storm (inches)		1.5 in

	1995 rules		
	SL 2006-246		
	2008 rules		
	2017 rules		
12	Breakdown of new BUA:		
	- Parking (sq ft)		
	- Sidewalk (sq ft)		
	- Roof (sq ft)		
	- Roadway (sq ft)		
	- Future (sq ft)		
	- Other, please specify in the comment box below (sq ft)		
13	New infiltrating permeable pavement on subdivided lots (sq ft)		
14	New infiltrating permeable pavement outside of subdivided lots (sq ft)		
15	Existing BUA that will remain (not subject to permitting) (sq ft)		
16	Existing BUA that is already permitted (sq ft)		
17	Existing BUA that will be removed (sq ft)		
18	Percent BUA		
19	Design volume of SCM (cu ft)		
20	Calculation method for design volume		

ADDITIONAL INFORMATION	
21	Please use this space to provide any additional information about the drainage area(s):

WET POND

1	Drainage area number	1
2	Design volume of SCM (cu ft)	19702 cf
GENERAL MDC FROM 02H .1050		
3	Is the SCM sized to treat the SW from all surfaces at build-out?	Yes
4	Is the SCM located away from contaminated soils?	Yes
5	What are the side slopes of the SCM (H:V)?	3:1
6	Does the SCM have retaining walls, gabion walls or other engineered side slopes?	No
7	Are the inlets, outlets, and receiving stream protected from erosion (10-year storm)?	Yes
8	Is there an overflow or bypass for inflow volume in excess of the design volume?	Yes
9	What is the method for dewatering the SCM for maintenance?	Pump (preferred)
10	If applicable, will the SCM be cleaned out after construction?	Yes
11	Does the maintenance access comply with General MDC (8)?	Yes
12	Does the drainage easement comply with General MDC (9)?	Yes
13	If the SCM is on a single family lot, does (will?) the plat comply with General MDC (10)?	Yes
14	Is there an O&M Agreement that complies with General MDC (11)?	Yes
15	Is there an O&M Plan that complies with General MDC (12)?	Yes
16	Does the SCM follow the device specific MDC?	Yes
17	Was the SCM designed by an NC licensed professional?	Yes
WET POND MDC FROM 02H .1053		
18	Method used	SA/DA
19	Has a stage/storage table been provided in the calculations?	Yes
20	Elevation of the excavated main pool depth (bottom of sediment removal) (fmsl)	13.00
21	Elevation of the main pool bottom-(top of sediment removal) (fmsl)	14.00
22	Elevation of the bottom of the vegetated shelf (fmsl)	19.00
23	Elevation of the permanent pool (fmsl)	19.50
24	Elevation of the top of the vegetated shelf (fmsl)	20.00
25	Elevation of the temporary pool (fmsl)	20.80
26	Surface area of the main permanent pool (square feet)	9925:1
27	Volume of the main permanent pool (cubic feet)	33340 cf
28	Average depth of the main pool (feet)	3.84 ft
29	Average depth equation used	Equation 3
30	If using equation 3, main pool perimeter (feet)	451.0 ft
31	If using equation 3, width of submerged veg. shelf (feet)	3.0 ft
32	Volume of the forebay (cubic feet)	5086 cf
33	Is this 15-20% of the volume in the main pool?	Yes
34	Clean-out depth for forebay (inches)	12 in
35	Design volume of SCM (cu ft)	19702 cf
36	Is the outlet an orifice or a weir?	Orifice
37	If orifice, orifice diameter (inches)	2 in
38	If weir, weir height (inches)	
39	If weir, weir length (inches)	
40	Drawdown time for the temporary pool (days)	2
41	Are the inlet(s) and outlet located in a manner that avoids short-circuiting?	Yes
42	Are berms or baffles provided to improve the flow path?	Yes
43	Depth of forebay at entrance (inches)	48 in
44	Depth of forebay at exit (inches)	12 in
45	Does water flow out of the forebay in a non-erosive manner?	Yes
46	Width of the vegetated shelf (feet)	6 ft
47	Slope of vegetated shelf (H:V)	6:1
48	Does the orifice drawdown from below the top surface of the permanent pool?	Yes
49	Does the pond minimize impacts to the receiving channel from the 1-yr, 24-hr storm?	Yes
50	Are fountains proposed? (If Y, please provide documentation that MDC(9) is met.)	No
51	Is a trash rack or other device provided to protect the outlet system?	Yes
52	Are the dam and embankment planted in non-clumping turf grass?	Yes
53	Species of turf that will be used on the dam and embankment	centipede
54	Has a planting plan been provided for the vegetated shelf?	Yes
ADDITIONAL INFORMATION		
55	Please use this space to provide any additional information about the wet pond(s):	

Wet Detention Basin Operation and Maintenance Agreement

I will keep a maintenance record on this BMP. This maintenance record will be kept in a log in a known set location. Any deficient BMP elements noted in the inspection will be corrected, repaired or replaced immediately. These deficiencies can affect the integrity of structures, safety of the public, and the removal efficiency of the BMP.

The wet detention basin system is defined as the wet detention basin, pretreatment including forebays and the vegetated filter if one is provided.

This system (check one):

does does not incorporate a vegetated filter at the outlet.

This system (check one):

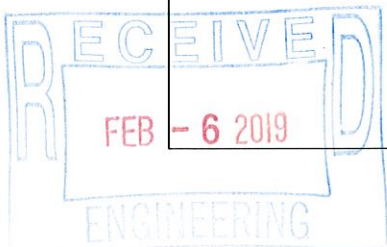
does does not incorporate pretreatment other than a forebay.

Important maintenance procedures:

- Immediately after the wet detention basin is established, the plants on the vegetated shelf and perimeter of the basin should be watered twice weekly if needed, until the plants become established (commonly six weeks).
- No portion of the wet detention pond should be fertilized after the first initial fertilization that is required to establish the plants on the vegetated shelf.
- Stable groundcover should be maintained in the drainage area to reduce the sediment load to the wet detention basin.
- If the basin must be drained for an emergency or to perform maintenance, the flushing of sediment through the emergency drain should be minimized to the maximum extent practical.
- Once a year, a dam safety expert should inspect the embankment.

After the wet detention pond is established, it should be inspected **once a month and within 24 hours after every storm event greater than 1.5 inches**. Records of operation and maintenance should be kept in a known set location and must be available upon request. Inspection activities shall be performed as follows. Any problems that are found shall be repaired immediately.

BMP element:	Potential problem:	How I will remediate the problem:
The entire BMP	Trash/debris is present.	Remove the trash/debris.
The side slopes of the wet detention basin	Areas of bare soil and/or erosive gullies have formed.	Regrade the soil if necessary to remove the gully, and then plant a ground cover and water until it is established. Provide lime and a one-time fertilizer application.
	Vegetation is too short or too long.	Maintain vegetation at a height of approximately six inches.



Permit Number: _____
 (to be provided by City of Wilmington)
 BMP Drainage Basin #: _____

BMP element:	Potential problem:	How I will remediate the problem:
The inlet device: pipe or swale	The pipe is clogged.	Unclog the pipe. Dispose of the sediment off-site.
	The pipe is cracked or otherwise damaged.	Replace the pipe.
	Erosion is occurring in the swale.	Regrade the swale if necessary to smooth it over and provide erosion control devices such as reinforced turf matting or riprap to avoid future problems with erosion.
The forebay	Sediment has accumulated to a depth greater than the original design depth for sediment storage.	Search for the source of the sediment and remedy the problem if possible. Remove the sediment and dispose of it in a location where it will not cause impacts to streams or the BMP.
	Erosion has occurred.	Provide additional erosion protection such as reinforced turf matting or riprap if needed to prevent future erosion problems.
	Weeds are present.	Remove the weeds, preferably by hand. If pesticide is used, wipe it on the plants rather than spraying.
The vegetated shelf	Best professional practices show that pruning is needed to maintain optimal plant health.	Prune according to best professional practices
	The plant community and coverage is significantly (>25%) different from approved landscape plan.	Restore plant vegetation to approved condition. If landscape plan needs to be adjusted to specify vegetation more appropriate for site conditions, contact City Stormwater or Engineering Staff.
	Cattails or other invasive plants cover >25% of the veg't shelf. A monoculture of plants must be avoided)	Remove all invasives by physical removal or by wiping them with pesticide (do not spray) – consult a professional.
	Plants are dead, diseased or dying.	Determine the source of the problem: soils, hydrology, disease, etc. Remedy the problem and replace plants. Provide a one-time fertilizer application to establish the ground cover if a soil test indicates it is necessary.
The main treatment area	Sediment has accumulated to a depth greater than the original design sediment storage depth.	Search for the source of the sediment and remedy the problem if possible. Remove the sediment and dispose of it in a location where it will not cause impacts to streams or the BMP.

Permit Number: _____
 (to be provided by City of Wilmington)
 BMP Drainage Basin #: _____

BMP element:	Potential problem:	How I will remediate the problem:
The main treatment area (continued)	Algal growth covers over 25% of the area.	Consult a professional to remove and control the algal growth.
	Cattails or other invasive plants cover >25% of the veg't shelf. A monoculture of plants must be avoided)	Remove all invasives by physical removal or by wiping them with pesticide (do not spray) – consult a professional.
The embankment	Shrubs have started to grow on the embankment.	Remove shrubs immediately.
	Evidence of muskrat or beaver activity is present.	Use traps to remove muskrats and consult a professional to remove beavers.
	A tree has started to grow on the embankment.	Consult a dam safety specialist to remove the tree.
	An annual inspection by an appropriate professional shows that the embankment needs repair. (if applicable)	Make all needed repairs.
The outlet device	Clogging has occurred.	Clean out the outlet device. Dispose of the sediment off-site.
	The outlet device is damaged	Repair or replace the outlet device.
The receiving water	Erosion or other signs of damage have occurred at the outlet.	Contact the local NC Division of Water Quality Regional Office, or the 401 Oversight Unit at 919-733-1786.

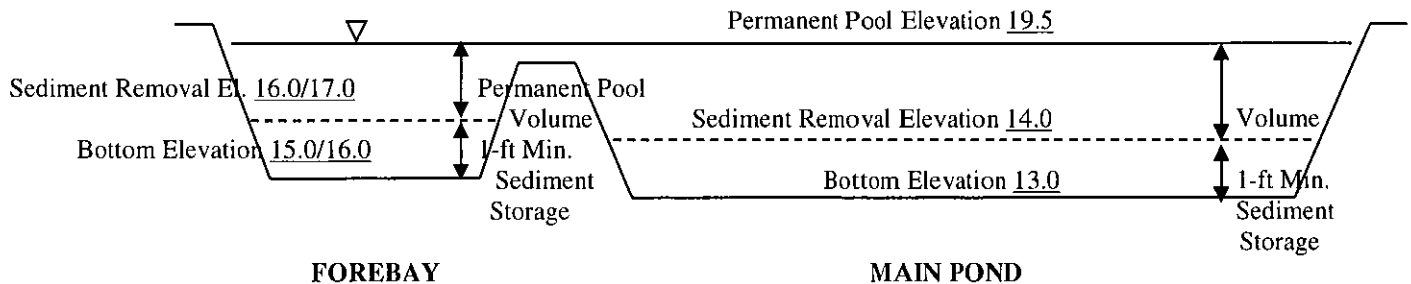
The measuring device used to determine the sediment elevation shall be such that it will give an accurate depth reading and not readily penetrate into accumulated sediments.

When the permanent pool depth reads 5.5 feet in the main pond, the sediment shall be removed.

When the permanent pool depth reads 3.5/2.5 feet in the forebay, the sediment shall be removed.

BASIN DIAGRAM

(fill in the blanks)



Permit Number: _____
(to be provided by City of Wilmington)

I acknowledge and agree by my signature below that I am responsible for the performance of the 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.

Project name: Friends School of Wilmington

BMP drainage basin number: 1

Print name: Brenda Esch

Title: Head of School

Address: 350 Peiffer Avenue Wilmington NC 28409

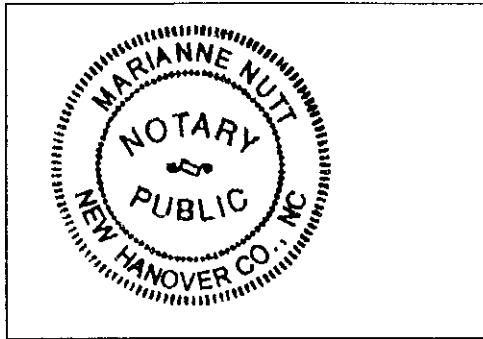
Phone: 910-792-1811

Signature: Brenda Esch

Date: Feb. 1, 2019

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, MARIANNE NUTT, a Notary Public for the State of NORTH CAROLINA, County of NEW HANOVER, do hereby certify that BRENDA ESCH personally appeared before me this 1st day of February, 2019, and acknowledge the due execution of the forgoing wet detention basin maintenance requirements. Witness my hand and official seal,



SEAL

My commission expires February 4, 2022



NEW HANOVER COUNTY

ENGINEERING

230 Government Center Drive, Suite 160, Wilmington, NC 28403

P: (910) 798-7139 | F: (910) 798-7051 | NHCgov.com

Jim Iannucci, PE, CFM, County Engineer

May 15, 2019

Friends School of Wilmington, Inc.
350 Peiffer Avenue,
Wilmington, North Carolina 28409

RE: Grading Permit #75-95 Revision #4, Friends School of Wilmington Expansion

Dear Ms. Brenda Esch,

This office has reviewed the subject erosion and sedimentation control plan. We find the plan to be acceptable with performance reservations and modifications. **Please read the permit conditions carefully and return the signed blue original to our office and keep the copy for your records.** Approval of this land disturbing permit hereby give notice of our right of periodic inspection to ensure compliance with the approved plan.

As of April 1, 2019, all new construction activities are required to complete and submit an electronic Notice of Intent (NOI) form requesting a Certificate of Coverage (COC) under the NCG010000 Construction Stormwater General Permit. This form MUST be submitted prior to the commencement of and land disturbing activity on the above named project, according to State Stormwater requirements. The NOI form may be accessed at deq.nc.gov/NCG01. Please direct questions about the NOI form to Annette Lucas at Annette.lucas@ncdenr.gov or Paul Clark at Paul.clark@ncddenr.gov. After you submit a complete and correct NOI Form, a COC will be emailed to you within three business days. Initially, DEMLR will not charge a fee for coverage under the NCG01 permit. However, on or after May 1, 2019, a \$100 fee will be charged annually. This fee is to be sent to the DEMLR Stormwater Central Office staff in Raleigh.

A copy of the enclosed land disturbing permit, a copy of the approved erosion and sedimentation control plan as well as any approved deviations, the NCG01 permit, a copy of the Certificate of Compliance (COC), records of inspections made during the previous 30 days and a rain gauge must be posted at the job site.

The acreage was increased recently with the submittal of the May 8, 2019 submittal. The land disturbing fee of **\$6.00** is due to be paid to New Hanover County Engineering, to my attention, prior to issuance of any Certificate of Occupancy.

A preconstruction meeting is optional prior to any land disturbing activity on this project. Please contact me at (910) 798-7139 if you would like to schedule this meeting in our office. If you choose not to have the preconstruction meeting, you need to contact us with the date land disturbing activity will take place onsite and again once the initial erosion control measures are installed.

New Hanover County's Erosion and Sedimentation Control Program is performance- oriented, requiring protection of existing natural resources and adjoining properties. If, following the commencement of the project, it is determined that the plan is inadequate to meet the requirements of the New Hanover County's Erosion and Sedimentation Control Ordinance, this office may require revisions to the plan and its implementation of the revisions to insure compliance with the ordinance.

This land disturbing permit will expire within 1 year following the date of approval, if no land disturbing activity has been undertaken. If no activity takes place within one year after work has begun onsite, the permit will expire. Please contact this office to reactivate a permit that has expired.

Acceptance and approval of this erosion control plan is conditioned on your compliance with Federal and State water quality laws, regulations and rules. This permit will not preclude any other permits or approvals necessary for beginning or completing this development. It is the owner's responsibility to have all the approvals and permits that are required prior to beginning construction.

Please note this approval is based in part on the accuracy of the information provided in the Financially Responsibility Form, which you provided. You are requested to file an amended form if there is any change in the information included on the form.

Your cooperation is appreciated,



Beth Easley Wetherill
NHC Soil Erosion Specialist

cc: Howard Resnik PE, CSD Engineering
Jeff Walton Senior Planner, City of Wilmington



Permit for a Land Disturbing Activity

New Hanover County
Department of Engineering
230 Government Center Drive - Suite 160
Wilmington, North Carolina 28403
(910) 798-7139

As authorized by the New Hanover County Erosion and Sedimentation Control Ordinance

This permit issued to Friends School of Wilmington authorizes the development of 5.92 acres of land at 350 Peiffer Avenue for Friends School of Wilmington Expansion in New Hanover County with performance reservations and modifications. This permit issued on May 15, 2019 is subject to compliance with the application and site drawings, all applicable regulations and special conditions and notes set forth below. Any plan modifications must be approved by this office prior to field changes.

It is understood by the applicant that a representative of New Hanover County's Engineering Department may inspect the site at any time following the issuance of this Permit. A copy of this permit, the approved Soil Erosion and Sedimentation Control Plan as well as any approved deviations, a copy of DEMLR's NCG01 Certificate of Compliance, records of inspections made during the previous 30 days and a rain gauge must be posted at the job site at all times.

Failure to execute the provisions of this permit and the approved Soil Erosion Plan, or any other provisions of the New Hanover County Soil Erosion and Sedimentation Control Ordinance, may result in immediate legal action by the County to the limits prescribed by the Ordinance. If the measures outlined on the approved Soil Erosion Control Plan and this Permit prove insufficient, additional Erosion Control measures can and will be required, which in turn will be considered provisions of this Permit. Additional plan submittals and approvals may be required. Acceptance and approval of this erosion control plan is conditioned on the applicant's compliance with Federal and State laws, regulations and rules. This Permit does not preclude any other permits or approvals necessary for beginning or completing this development. It is the Permittee's responsibility to obtain all necessary permits and approvals that are required prior to beginning construction.

This approval is based in part on the accuracy of the information provided on the Financially Responsibility Form, which you provided. You are required to file an amended form if there is any change in the information that was provided.

SPECIAL CONDITIONS

(THESE CONDITIONS MUST BE FOLLOWED IN ADDITION TO THE PLANS AND SPECIFICATIONS)

- *All the soil erosion control measures will be installed as the site is cleared and maintained throughout construction. These include a construction entrance, silt fences inlet and outlet protection, concrete washouts and immediate construction and stabilization of the sediment basins, their slopes and outlet structure with a 3 inch Faircloth Skimmer and a 2.4 inch orifice. NOTE: Additional erosion control may be required.
- *Silt fence stakes must be steel and will be placed **six feet apart without wire reinforcement and extra strength silt fence or eight feet apart with wire reinforcement**. Silt fence is not allowed as inlet protection.
- *If any phase of grading ceases for more than 15 working days, the site will be temporarily stabilized.
- *All slopes must be stabilized within 21 calendar days of any phase of activity.
- *No sediment shall leave the site.
- *If these measures fail to adequately control erosion, more restrictive measures will be required.
- *If plan revisions are necessary you must submit a copy to this office for approval prior to any field changes.
- *Any borrow material brought onto this site must be from a legally operated mine or other approved source including a separate construction site with an active land disturbing permit. Borrow from any other location would require this permit to be revised to include the area where the borrow was generated as part of this site. Any soil waste that leaves this site can be transported to a permitted mine or separate construction site with an active land disturbing permit without additional

permits. Disposal at any other location would require the disposal site to be included in this permit and would require submittal and approval of revised plans. You must notify this office of the location where soil is taken from or transported too prior to the activity.

*Note the required rates for seed, lime, fertilizer and mulch in your seeding specifications.

*Pre-construction meetings are optional. Contact Beth E. Wetherill at (910) 798-7139 to set up a meeting prior to land disturbing activity onsite. If you do not choose to have a preconstruction meeting prior to starting work on site, you should contact us when activity begins and again when the initial measures have been installed.

*Tree Removal Permits and/or Approvals are required from the City of Wilmington and/or New Hanover County.

*All City and/or County and State drainage and stormwater requirements will be adhered to.

*This permit does not preclude any permits or approvals which may be necessary. These include but are not limited to, City of Wilmington or New Hanover County Stormwater, Planning or Zoning, State or County C.A.M.A., DEMLR Water Quality, Water Resources or Solid Waste, the US Army Corps. of Engineers or any other agencies.

The approval of an erosion control plan is conditioned on the applicant's compliance with Federal and State Water Quality laws, regulations and rules.

* This land disturbing permit requires inspections and record keeping to be performed by the landowner, the financially responsible party or their agent, during and after each phase of the plan has been completed and after establishment of temporary ground cover. Records shall be maintained onsite until permanent ground cover has been established to provide sufficient root structure to restrain erosion. These phases include: installation of perimeter erosion and sediment control measures; clearing and grubbing of existing ground cover; completion of any phase of grading on slopes or fills that requires provisions of temporary or permanent ground cover; completion of storm drainage facilities; completion of construction or development; and quarterly until the establishment of permanent ground cover sufficient to restrain erosion. Or, until the financially responsible party has conveyed ownership or control of the tract of land for which the erosion and sedimentation control plan has been approved and the agency that approved the plan has been notified. If the financially responsible party has conveyed ownership or control of the tract of land for which the erosion and sedimentation control plan has been approved, the new owner's or person in control shall conduct and document inspections quarterly until the establishment of permanent ground cover sufficient to restrain erosion. The person who performs the inspections shall maintain and make available a record of the inspection at the site of the land disturbing activity until permanent ground cover has been established. The records will document: the installation of the erosion and sedimentation control measures, practices and devices as set forth by the approved plan or if the measures, practices and devices are modified after initial installation; the completion of any phase of grading for all graded slopes and fills shown on the approved plan, specifically noting the location and condition of the graded slopes and fills; the location of temporary or permanent ground cover, and that the installation of the ground cover does not significantly deviate from the approved plan; that maintenance and repair requirements for all temporary and permanent erosion and sedimentation control measures, practices and devices have been performed and that they don't significantly deviate from the approved plan; any significant deviation from the approved erosion control plans and identify measures that may be required to correct the deviation and document the completion of the corrective actions; it includes contact information for the person conducting the inspection and the date of the inspection. These requirements are in addition to inspections required by GS 113A 61.1.

* As of April 1, 2019, all new construction activities are required to complete and submit an electronic Notice of Intent (NOI) form requesting a Certificate of Coverage (COC) under the NCG010000 Construction Stormwater General Permit unless this project has applied for an Individual Construction Stormwater Permit. The NOI form must be submitted prior to the commencement of any land disturbing activity on the above named project, according to State Stormwater requirements. The NOI form may be accessed at deq.nc.gov/NCG01. Please direct questions about the NOI form to Annette Lucas at Annette.lucas@ncdenr.gov or Paul Clark at Paul.clark@ncdenr.gov. After you submit a complete and correct NOI Form, a COC will be emailed to you within three business days. Initially, DEMLR will not charge a fee for coverage under the NCG01 permit. However, on or after May 1, 2019, a \$100 fee will be charged annually. This fee is to be sent to the DEMLR Stormwater Central Office staff in Raleigh.

*Additional self-inspections, record keeping and reporting is required by the Construction Stormwater General Permit - NCG01 per State Stormwater. It requires inspections and record keeping at least once per 7 calendar days and within 24 hours of a rain event of 1.0 inch or more, in 24 hours. Rain inspections reset the required 7 calendar day inspection requirement. Records of inspection made during the previous 30 days must be kept onsite. Other reports are to be made available for 3 years. Reporting is required to the States Stormwater Divisions Regional Office for sediment deposits in streams or wetlands, oil spills, release of hazardous substances, anticipated bypasses, unanticipated bypasses and noncompliance with conditions of the permit that may endanger health or the environment. There are specific time frames for reporting and submittal of reports to the Divisions Regional Office. NCG01 includes 7 and 14 calendar day ground stabilization and materials handling requirements. Materials are to be kept in leak proof containers, under storm resistant cover or have secondary control structures. They are to be stored 50 feet away from storm drains, surface waters and wetlands. They include flocculants, equipment and vehicle maintenance, litter, building materials and land clearing waste, paint and other liquids, portable toilets, earthen stockpile management, concrete washouts, herbicides, pesticides and rodenticides, and hazardous and toxic waste. Contact the Department of Energy, Mineral and Land Resources Stormwater Division at deq.nc.gov/NCG01 or the Wilmington Regional Office at 910) 798-7215 for additional information.

This Permit will expire one year from date of issue if no construction activity begins on site. This permit may not be amended or transferred to another party without approval of this office.

Acknowledgment of Receipt of Permit

Owner

By (please print)

Signature

Beth Easley Wetherill
Beth E. Wetherill, C.P.E.S.C.
Soil Erosion Specialist/New Hanover County

Ordinance



City Council
City of Wilmington
North Carolina

Introduced By: Sterling B. Cheatham, City Manager

Date: October 4, 2016

Ordinance Granting a Special Use Permit Modification for Property Located at 350 Peiffer Avenue for the Expansion of an Existing Primary School for a Total 39,326 Square Feet with a Maximum of 250 Students on Property Zoned R-15, Residential (SU-8-504-E705-M616)

The City Council for the City of Wilmington held a public hearing on October 4, 2016 to consider the following application:

Application Number: SU-8-504-E705-M616

Applicant: Bill Monroe
WGM Design, Inc.
916 W. 5th Street, Suite 200
Charlotte, NC 28202

Owner: Friends School of Wilmington, Inc.
350 Peiffer Avenue
Wilmington, NC 28409

Tax Map: R06200-003-064-000, R06200-003-095-000, R06200-003-096-000, R06200-003-094-000, R06200-003-097-000

Proposed Special Use: Existing School and Expansion

Zoning District: R-15, Residential

Meeting Dates: Planning Commission 9/7/16; City Council 10/4/16

CERTIFIED TO BE A TRUE COPY
CITY CLERK
Emilpe Spoina-Silbury

The City Council, having heard all evidence and arguments presented at the hearing, makes the following findings of fact:

1. The site is part of an area annexed into the city limits in September of 2000.
2. The subject site consists of five properties totaling approximately 7.3 acres.
3. The subject site is zoned R-15, Residential District.
4. The Land Development Code (LDC) requires the issuance of a Special Use Permit for primary and secondary schools located within any single-family or multi-family zoning district.
5. On June 1, 2004, City Council approved a Special Use Permit for the school that allowed the school to expand from 3,800 square feet to 14,500 square feet for classrooms, a library, offices, and athletic facilities and increase the capacity from 60 to 204 students.
6. The applicant proposes an expansion of the existing school for a total of 39,326 square feet that includes the construction of five new buildings, including a gymnasium.
7. The applicant proposes to increase the capacity of the school by 46 students for a maximum of 250 students.
8. The existing single-family residence is proposed to be used for school-related board meetings, housing for visiting teachers and guests, or caretaker/faculty housing.
9. The applicant has provided a site plan that meets the special use prerequisites for the LDC.
10. All structures shall have a minimum side and rear yards of fifty (50) feet. The proposed site satisfies this provision with the exception of the existing single-family house, which is grandfathered from setback requirements.
11. An off-street drop-off and pick-up area meeting the standards of this chapter shall be provided. The proposed site plan satisfies this provision.
12. Directional light fixtures shall be utilized to reduce light pollution and light trespass. Compliance with this provision shall be enforced as part of review and approval by the TRC.
13. Access to the site will be provided via Peiffer Avenue and Camellia Lane.
14. An internal connection between Peiffer Avenue and Camellia Lane will be provided.
15. The existing driveway on Peiffer Avenue does not meet city standards and will be required to come into compliance.
16. Camellia Lane is an unimproved, 30-foot wide public right-of-way and is required to be improved to city standards for a local street.
17. Sidewalks are proposed throughout the site that provide pedestrian access to all proposed facilities.
18. Sidewalk connections are proposed to both Peiffer Avenue and Camellia Lane that provide access to the site from the surrounding neighborhoods.

19. The applicant proposes gates to be located at both the Peiffer Avenue and Camellia Lane entrances. The gates are proposed to be open during school hours only.
20. City staff has waived the need for a traffic study for this proposal since the proposed connection between Peiffer Avenue and Camellia Lane will provide greater traffic dispersal than the current single access point on Peiffer Avenue.
21. The applicant has provided a queuing plan that illustrates an adequate amount of stacking space is available on site to accommodate student drop-off/pick-up.
22. The LDC requires a minimum of one (1) parking space be provided for each teacher and staff member. A minimum of 42 spaces are required and a maximum of 63 spaces are permitted. The LDC allows for a 25% increase in the maximum number of parking spaces allowed if these spaces are constructed of pervious materials and/or the additional runoff is managed by a best management practices. The applicant proposes a total of 78 off-street parking spaces on site.
23. A minimum of five (5) bicycle parking spaces will be required.

Based upon the foregoing FINDINGS OF FACT, the City Council draws the following conclusions as required by Section 18-85(b)(6) of the City of Wilmington Land Development Code:

- a. That the use will not materially endanger the public health or safety if located where proposed and developed according to the plan as submitted and approved by the issuance of the special use permit;
- b. The use does meet all required conditions and specifications;
- c. The use will not substantially injure the value of adjoining or abutting property, or that the use is a public necessity; and
- d. The location and character of the use, if developed according to the plan as submitted and approved, will be in harmony with the area in which it is to be located and in general conformity with the city's comprehensive plan and adopted special area plans (i.e. corridor plans, neighborhood plans, Wilmington Vision 2020: A Waterfront Downtown Plan, and the CAMA plan).

Therefore, because the City Council concludes that all general and specific conditions precedent to the issuance of a SPECIAL USE PERMIT have been satisfied, IT IS ORDERED that the application for the issuance of a SPECIAL USE PERMIT be GRANTED, subject to the following conditions:

1. The applicant shall fully comply with all of the specific requirements stated in the Land Development Code for the proposed use as a well as any additional conditions stated below.
2. If any section, subsection, paragraph, sentence, clause, phrase or portion of this permit is for any reason held invalid or unconstitutional by any court of competent jurisdiction, this special use permit shall be null and void and of no effect.

3. The use and development of the subject property shall be in accordance with the site plan as submitted and approved.
4. The use and development of the subject property shall comply with all other supplemental regulations and requirements imposed by the Land Development Code or any other applicable federal, state or local law, ordinance or regulation. In the event of a conflict, the more stringent requirement or higher standard shall apply.
5. The permit shall be limited to a building area of 39,326 square feet and a maximum of 250 students. Any future expansions or additions to the site are subject to modifications to the SUP.
6. Approval of this special use permit does not constitute technical approval of the site plan. All Technical Review Committee comments shall be followed prior to issuance of a construction release or final zoning approval.
7. All conditions of Sec. 18-300 shall be met prior to issuance of construction release.
8. All City, State and Federal regulations shall be met.
9. All Technical Review Committee comments shall be followed.
10. All driveways shall be constructed to or brought into compliance city standards.
11. An internal connection between Peiffer Avenue and Camellia Lane shall be provided.
12. Camellia Lane shall be brought into compliance with city standards for a local street.
13. Sidewalks shall be provided throughout the site that provide pedestrian access to all proposed facilities.
14. Sidewalk connections shall be provided to both Peiffer Avenue and Camellia Lane that provide access to the site from the surrounding neighborhoods.
15. Gates shall be located at both the Peiffer Avenue and Camellia Lane entrances and shall be open during school hours only as indicated on the approved site plan. Emergency access shall be provided for both gates.
16. A maximum of 78 parking spaces shall be permitted. A minimum of 15 parking spaces shall be constructed of pervious materials as soils allow. If soils are not suitable for pervious pavement the runoff from these spaces shall be managed by one of the techniques identified in Sec. 18-528 of the LDC.
17. Impervious surface coverage associated with the improvement of Camellia Lane shall be limited to the furthest extent practical.


Bill Saffo, Mayor

Adopted at a regular, meeting
on October 4, 2016.

Attest:

Approved As To Form:

Penelope Spicer Sidbury
Penelope Spicer-Sidbury City Clerk



Arthur E. Lee
City Attorney