



## Public Services

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

April 8, 2020

Mr. D. Webster Trask, President  
Autumn Hall, Inc.  
6336 Oleander Drive, Suite 1  
Wilmington, NC 28403

**Subject: Stormwater Management Permit No. 2006046R12  
Autumn Hall  
High Density Development**

Dear Mr. Trask:

The City of Wilmington Engineering Division has received a request for a revision to the Stormwater Management Permit for Autumn Hall. 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:

- Storm pipe system revisions.
- No changes to impervious surface areas.
- See approved plans dated April 3, 2020.

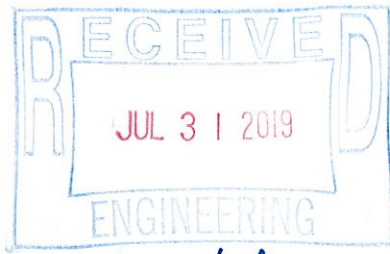
Please be aware all terms and conditions of the permit Issued on December 21, 2006 remain in full force and effect. Any additional changes to the approved plans must be approved by this office prior to construction. The issuance of the plan revision does not preclude the permittee from complying with 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 Richard Christensen at (910) 341-7813 or richard.christensen@wilmingtonnc.gov

Sincerely,

for Sterling Cheatham, City Manager  
City of Wilmington

cc: John Tunstall, PE, Norris & Tunstall Consulting Engineers, P.C.  
Jeff Walton, Associate Planner, City of Wilmington

**Public Services**

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414 Chestnut St, Suite 200  
Wilmington, NC 28401  
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*\*unless noted  
otherwise*

*(Rev. 07-26-19)  
N&T #18128  
(Rev. to  
05150-1)*

**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.):

Autumn Hall Commercial PHI

2. Location of Project (street address):

1202 Eastwood Road

City: Wilmington

County: New Hanover

Zip: 28403

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

Project is located on the Autumn Hall property between Carolina Bay Drive &  
Autumn Hall Drive.

**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: 2006046

State - NCDENR/DWQ: SW8 040333

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: 2006046 (12-21-06)

State - NCDENR/DWQ: SW8 040333 (08-25-17)

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:

All required permits have been submitted & are 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: Autumn Hall, Inc.

Signing Official & Title: D. Webster Trask, President

- a. Contact information for Applicant / Signing Official:

Street Address: 6336 Oleander Drive, Suite 1

City: Wilmington State: NC Zip: 28403

Phone: 910-313-0795 Fax: 910-313-0797 Email: webtrask@ec.rr.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: \_\_\_\_\_

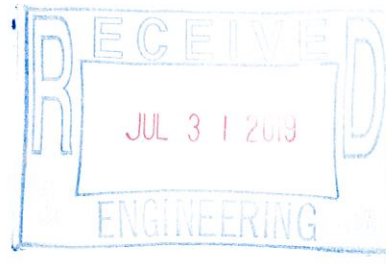
Mailing Address (if different than physical address): \_\_\_\_\_

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: \_\_\_\_\_

Signing Official & Title: \_\_\_\_\_



N&T #18128  
(Rev. 01-26-19)

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.

Stormwater is treated in an approved & existing stormwater pond, Pond A, of Autumn Hall (SW8 040333).

2. Total ~~Property~~ <sup>Project</sup> Area: 356,943 square feet

3. Total Coastal Wetlands Area: 0 square feet

4. Total Surface Water Area: 0 square feet

5. Total ~~Property~~ <sup>Project</sup> Area (2) – Total Coastal Wetlands Area (3) – Total Surface Water Area (4) = Total Project Area: 356,943 square feet.

6. Existing Impervious Surface within ~~Property~~ <sup>Project</sup> Area: 10,680 square feet

7. Existing Impervious Surface to be Removed/Demolished: 10,020 square feet

8. Existing Impervious Surface to Remain: 660 square feet

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

Buildings/Lots	54,583
Impervious Pavement	144,872
Pervious Pavement (adj. total, with 0 % credit applied)	0
Impervious Sidewalks	70,651
Pervious Sidewalks (adj. total, with 0 % credit applied)	0
Other (describe)	0
Future Development	0
<b>Total Onsite Newly Constructed Impervious Surface</b>	<b>270,106</b>

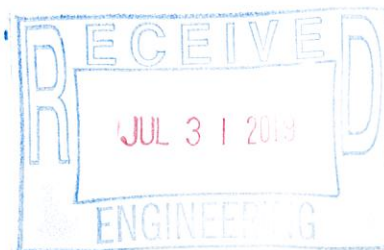
10. Total Onsite Impervious Surface

(Existing Impervious Surface to remain + Onsite Newly Constructed Impervious Surface) = 270,766 square feet

11. Project percent of impervious area: (Total Onsite Impervious Surface / Total Project Area) x100 = 76%

15.990





N&T #18128  
(Rev. 01-26-19)

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

Impervious Pavement	3,220
Pervious Pavement (adj. total, with % credit applied)	0
Impervious Sidewalks	875
Pervious Sidewalks (adj. total, with % credit applied)	0
Other (describe) MUP	1,280
<b>Total Offsite Newly Constructed Impervious Surface</b>	<b>5,375</b>

13. Total Newly Constructed Impervious Surface

(Total Onsite + Offsite Newly Constructed Impervious Surface) = 275481 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.

Project PH1

Basin Information	(Type of BMP) BMP #	(Type of BMP) BMP #	(Type of BMP) BMP #
Receiving Stream Name	UT Bradley Creek		
Receiving Stream Index Number	18-87-63-1		
Stream Classification	SC; HQW		
Total Drainage Area (sf)	356943	0	0
On-Site Drainage Area (sf)	356943		
Off-Site Drainage Area (sf)	0		
<b>Total Impervious Area (sf)</b>	<b>276141</b>	<b>0</b>	<b>0</b>
Buildings/Lots (sf)	54583		
Impervious Pavement (sf)	144872		
Pervious Pavement, % credit (sf)	0		
* Impervious Sidewalks (sf)	70651		
Pervious Sidewalks, % credit (sf)	0		
Other (sf)	0		
Future Development (sf)	0		
Existing Impervious to remain (sf)	660		
Offsite (sf)	5375		
Percent Impervious Area (%)	77.4%		

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

Survey

\* Includes MUP

Attachment A - SW8 040333

Permit 2/16/15				Permit 2/17/17			
Basin Information				Basin Information			
Receiving Stream Name	Pond A	Pond B	Pond C	Receiving Stream Name	Pond A	Pond B	Pond C
Stream Class	UT Bradley Creek	UT Bradley Creek	UT Bradley Creek	Stream Class	UT Bradley Creek	UT Bradley Creek	UT Bradley Creek
Stream Index Number	18-87-63-1	18-87-63-1	18-87-63-1	Stream Index Number	18-87-63-1	18-87-63-1	18-87-63-1
Total Drainage Area (sf)	5,342,199	3,199,481	492,228	Total Drainage Area (sf)	5,342,199	3,199,481	492,228
On-site Drainage area (sf)	5,342,199	2,965,129	492,228	On-site Drainage area (sf)	5,342,199	2,965,129	492,228
Off-site Drainage area (sf)	0	234,352	0	Off-site Drainage area (sf)	0	234,352	0
Proposed Impervious Area (sf)	3,739,540	1,902,442	357,193	Proposed Impervious Area (sf)	3,739,540	1,902,442	357,193
% Impervious Area (total)	70.0%	59.5%	72.6%	% Impervious Area (total)	70.0%	59.5%	72.6%
<b>Impervious Surface Area</b>				<b>Impervious Surface Area</b>			
On-site Buildings / Lots (sf)	24,879	946,695	281,058	On-site Buildings / Lots (sf)	24,879	946,695	281,058
On-site Streets (sf)	576,012	433,208	51,599	On-site Streets (sf)	576,012	433,208	51,599
On-site Parking (sf)	0	0	0	On-site Parking (sf)	0	0	0
On-site Sidewalks (sf)	194,887	92,098	13,750	On-site Sidewalks (sf)	194,887	92,098	13,750
Off-site permits draining to SW8 040333 (sf)	764,723	56,950	0	Off-site permits draining to SW8 040333 (sf)	759,340	57,650	0
SW8 110806: Headwaters at Autumn Hall -Contained 36,000 sf of Old Garden Rd. R/W -8,570 sf of sidewalk within Old Garden Rd. R/W	384,100	0	0	SW8 110806: Headwaters at Autumn Hall -Contained 36,000 sf of Old Garden Rd. R/W -8,570 sf of sidewalk within Old Garden Rd. R/W	384,100	0	0
SW8 120403: Carolina Bay at Autumn Hall Condos - Phase 1	100,223	0	0	SW8 120403: Carolina Bay at Autumn Hall Condos - Phase 1	94,840	0	0
SW8 130720: Carolina Bay at Autumn Hall Phase 2	280,400	0	0	SW8 130720: Carolina Bay at Autumn Hall Phase 2	280,400	0	0
SW8 14141206: Dungannon Village	0	56,950	0	SW8 14141206: Dungannon Village	0	57,650	0
Future (sf)	2,179,039	256,315	10,786	Future (sf)	2,184,422	255,615	10,786
Off-site, Other (sf)	0	117,176	0	Off-site, Other (sf)	0	117,176	0
Existing/Pre-1988 BUA (sf)	0	0	0	Existing/Pre-1988 BUA (sf)	0	0	0
<b>Total (sf):</b>	<b>3,739,540</b>	<b>1,902,442</b>	<b>357,193</b>	<b>Total (sf):</b>	<b>3,739,540</b>	<b>1,902,442</b>	<b>357,193</b>

Permit May 2019			
Basin Information			
Receiving Stream Name	Pond A	Pond B	Pond C
Stream Class	UT Bradley Creek	UT Bradley Creek	UT Bradley Creek
Stream Index Number	18-87-63-1	18-87-63-1	18-87-63-1
Total Drainage Area (sf)	5,342,199	3,199,481	492,228
On-site Drainage area (sf)	5,342,199	2,965,129	492,228
Off-site Drainage area (sf)	0	234,352	0
Proposed Impervious Area (sf)	3,739,540	1,902,442	357,193
% Impervious Area (total)	70.0%	59.5%	72.6%
<b>Impervious Surface Area</b>			
On-site Buildings / Lots (sf)	81,195	946,695	281,058
On-site Streets (sf)	725,446	433,208	51,599
On-site Parking (sf)	0	0	0
On-site Sidewalks (sf)	267,958	92,098	13,750
Off-site permits draining to SW8 040333 (sf)	759,340	57,650	0
SW8 110806: Headwaters at Autumn Hall -Contained 36,000 sf of Old Garden Rd. R/W -8,570 sf of sidewalk within Old Garden Rd. R/W	384,100	0	0
SW8 120403: Carolina Bay at Autumn Hall Condos - Phase 1	94,840	0	0
SW8 130720: Carolina Bay at Autumn Hall Phase 2	280,400	0	0
SW8 14141206: Dungannon Village	0	57,650	0
Future (sf)	1,905,601	255,615	10,786
Off-site, Other (sf)	0	117,176	0
Existing/Pre-1988 BUA (sf)	0	0	0
<b>Total (sf):</b>	<b>3,739,540</b>	<b>1,902,442</b>	<b>357,193</b>

\*Autumn Hall Commercial Phase | Added May 2019 as part of Overall Permit.



## 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: John S. Tunstall, P.E. or T. Jason Clark, P.E.

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

- a. Contact information for consultant listed above:

Mailing Address: 1900 Eastwood Road, Suite 11

City: Wilmington State: NC Zip: 28403

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

SEAL

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,

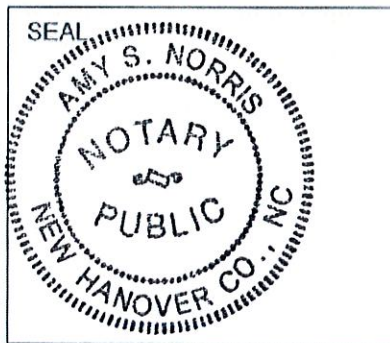
My commission expires: \_\_\_\_\_



**VIII. APPLICANT'S CERTIFICATION**

I, (print or type name of person listed in Contact Information, item 1) D. Webster Trask, President 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: [Signature] Date: 5/10/2019



I, Amy S. Norris, a Notary Public for the State of North Carolina, County of New Hanover, do hereby certify that D. Webster Trask personally appeared before me this 10th day of May, 2019 and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,  
Amy S. Norris  
My commission expires: 05-06-24