

## COMPREHENSIVE STORMWATER MANAGEMENT PERMIT

### HIGH DENSITY DEVELOPMENT SERVED BY AN OFF-SITE STORMWATER SYSTEM

#### 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: **4 Seasons Site and Demo, Inc.**  
PROJECT: **4 Seasons Site and Demo**  
ADDRESS: **4004 River Road**  
PERMIT #: **2017001R2**

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This permit shall be effective from the date of issuance until rescinded and shall be subject to the following specified conditions and limitations:

#### Section 2 - CONDITIONS

1. The runoff associated with this project has been approved to be discharged into the wet detention pond operated and maintained by 4004 & 4018 River Road Pond Association, Inc. under the terms and conditions set forth in the latest version of Permit No. 2018030.
2. This approval is valid only for the stormwater management system as proposed on the approved stormwater management plans dated July 16, 2018.
3. The built-upon area allocated to this development by Stormwater Management Permit No. 2018030, is 72,146 square feet. The built upon area for this project must not exceed the maximum built-upon area allocated to this project or a modification to Stormwater Management Permit No. 2018030 will be required. This project proposes 72,146 square feet. The amount available for future development is zero (0) square feet.
4. 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.
5. 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.
6. 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.



7. 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.
8. A copy of the approved plans and specifications shall be maintained on file by the Permittee.
9. During construction, erosion shall be kept to a minimum and any eroded areas of the system will be repaired immediately.
10. 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.
11. All stormwater collection systems as well as access to nearest right-of-way must be located in recorded easements.
12. 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.
13. The permittee is responsible for keeping the stormwater collection system within the lot property boundaries clear of trash, debris and sediment, and must control the sediment on the lot in accordance with the requirements of the NC Erosion and Sediment Control Design Manual. The following maintenance for the lot and its stormwater collection system shall be performed as indicated:
  - a. Semiannual scheduled inspections (every 6 months).
  - b. Sediment and trash removal as necessary.
  - c. Vegetate the stormwater conveyance swales and the non-paved areas of the lot.
  - d. Immediate repair and stabilization of any eroded areas on the lot.
  - e. Maintenance of all slopes in accordance with approved plans and specifications.
  - f. Repair or replacement of swales, catch basins and piping as necessary to capture the lot's runoff and maintain adequate drainage to the permitted BMP.



14. 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.
15. Upon completion of construction, before a Certificate of Occupancy shall be granted, and prior to operation 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, and invert 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.



**Public Services**

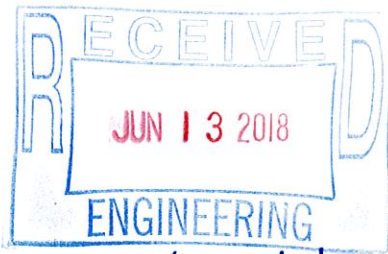
Engineering  
212 Operations Center Drive  
Wilmington, NC 28412  
910 341-7807  
910 341-5881 fax  
wilmingtonnc.gov  
Dial 711 TTY/Voice

21. 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.
22. 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.
23. 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.
24. 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.
25. 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 16th day of July, 2018.

A handwritten signature in blue ink, appearing to read "Sterling Cheatham", is written over a horizontal line.

for Sterling Cheatham, 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.):

4 Seasons Site & Demo

2. Location of Project (street address):

4004 River Road

City: Wilmington County: New Hanover Zip: 28412

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

Site is +/- 500 ft north of the intersection of River Road & Independence Blvd

Entrance to site is off a private access easement 1,500 ft north of intersection

**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: \_\_\_\_\_ 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: 2017001R1 State – NCDENR/DWQ: \_\_\_\_\_

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

CAMA Major  Sedimentation/Erosion Control

NPDES Industrial Stormwater  404/401 Permit: Proposed Impacts: \_\_\_\_\_

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

\_\_\_\_\_

**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: 4 Seasons Site and Demo, Inc.

Signing Official & Title: Charles Thomas Ohnmacht, Jr. - President

- a. Contact information for Applicant / Signing Official:

Street Address: P.O. Box 15590

City: Wilmington State: NC Zip: 28408

Phone: 910-793-3662 Fax: 910-338-3154 Email: chuck4earthworks@gmail.com

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:  Pres.

- 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.

Stormwater will be treated with a wet pond sized to handle 90% TSS

2. Total Property Area: 130,408 square feet

3. Total Coastal Wetlands Area: 0 square feet

4. Total Surface Water Area: 0 square feet

5. Total Property Area (2) – Total Coastal Wetlands Area (3) – Total Surface Water Area (4) = Total Project Area: 130,408 square feet.

6. Existing Impervious Surface within Property Area: 8,252 square feet

7. Existing Impervious Surface to be Removed/Demolished: 0 square feet

8. Existing Impervious Surface to Remain: 8,252 square feet

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

Buildings/Lots	2,356
Impervious Pavement	61,238
Pervious Pavement (adj. total, with % credit applied)	
Impervious Sidewalks	300
Pervious Sidewalks (adj. total, with % credit applied)	
Other (describe)	
Future Development	
<b>Total Onsite Newly Constructed Impervious Surface</b>	<b>63,894</b>

10. Total Onsite Impervious Surface

(Existing Impervious Surface to remain + Onsite Newly Constructed Impervious Surface) = 72,146 square feet

11. Project percent of impervious area: (Total Onsite Impervious Surface / Total Project Area) x100 = 55 %

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

Impervious Pavement	1,337
Pervious Pavement (adj. total, with % credit applied)	
Impervious Sidewalks	
Pervious Sidewalks (adj. total, with % credit applied)	
Other (describe)	
<b>Total Offsite Newly Constructed Impervious Surface</b>	<b>1,337</b>

13. Total Newly Constructed Impervious Surface

(Total Onsite + Offsite Newly Constructed Impervious Surface) = 65231 square feet

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

Basin Information	(Type of BMP) BMP # 1	BMP #	(Type of BMP) BMP #
Receiving Stream Name	Cape Fear River		
Receiving Stream Index Number	18-(71)		
Stream Classification	SC		
Total Drainage Area (sf)	130408	0	0
On-Site Drainage Area (sf)	130408		
Off-Site Drainage Area (sf)	0		
<b>Total Impervious Area (sf)</b>	<b>72146</b>	<b>0</b>	<b>0</b>
Buildings/Lots (sf)	2356		
Impervious Pavement (sf)	61238		
Pervious Pavement, % credit (sf)			
Impervious Sidewalks (sf)	300		
Pervious Sidewalks, % credit (sf)			
Other (sf)			
Future Development (sf)			
Existing Impervious to remain (sf)	8252		
Offsite (sf)			
Percent Impervious Area (%)	55.32		

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

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## 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: Mark N. Hargrove, PE

Consulting Firm: Port City Consulting Engineers, PLLC

a. Contact information for consultant listed above:

Mailing Address: 6216 Stonebridge Road

City: Wilmington State: NC Zip: 28409

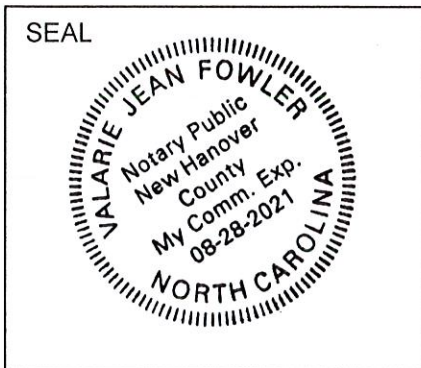
Phone: 91-599-1744 Fax: \_\_\_\_\_ Email: mhargrove@ec.rr.com

**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: [Signature] Date: 6-1-18

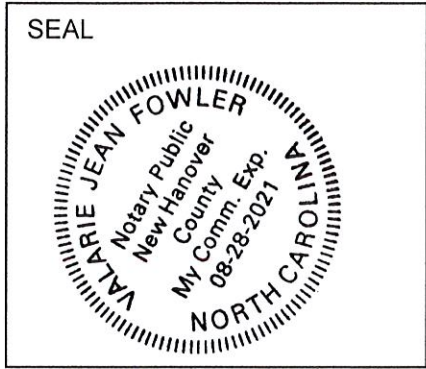


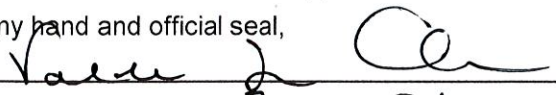
I, Valarie Jean Fowler, a Notary Public for the State of North Carolina, County of New Hanover, do hereby certify that Chaley Annmuth personally appeared before me this day of June 1, 2018, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,  
[Signature]  
My commission expires: 8-28-21

**VIII. APPLICANT'S CERTIFICATION**

I, *(print or type name of person listed in Contact Information, item 1)* , Charles Thomas Ohnmacht, Jr. 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:  Date: 6-1-18



I, Valarie Jean Fowler, a Notary Public for the State of NC, County of New Hanover, do hereby certify that Charles Ohnmacht personally appeared before me this day of June 1, 2018, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,  
  
My commission expires: 8-28-21

STORMWATER MANAGEMENT PERMIT APPLICATION FORM

**OFF-SITE SYSTEM SUPPLEMENT**  
FOR DEVELOPMENT DRAINING TO PERMITTED OFF-SITE TREATMENT SYSTEMS  
*This form may be photocopied for use as an original*

City of Wilmington Stormwater Management Plan Review:

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

**I. PROJECT INFORMATION**

Project Name : 4 Seasons Site & Demo

Contact Person: Chuck Ohnmacht Phone Number: (910) 793-3662

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

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

Permit No. 2018030  
~~2017001R3~~ 7/16/18 Pac

Project Name: 4004 & 4018 River Road Properties

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

Lot No. (if part of a subdivision): \_\_\_\_\_

How much built upon area draining to the permitted treatment system has been allocated to this project?  
72,146 sf

**III. REQUIRED ITEMS CHECKLIST**

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

Applicants Initials

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

**IV. STORMWATER COLLECTION SYSTEM MAINTENANCE REQUIREMENTS**

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

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

Print Name and Title: Charles Thomas Ohnmacht, Jr. - President of 4 Seasons Site and Demo, Inc.

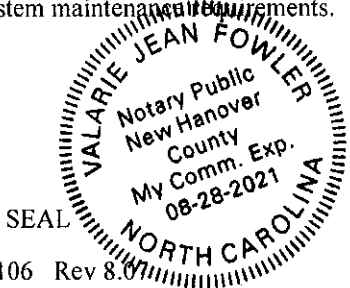
Address: P.O. Box 15590, Wilmington, NC 28408

Phone: 910-793-3662 Date: 6-1-18

Signature: [Handwritten Signature]

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

I, Valerie Jean Fowler, a Notary Public for the State of NC, County of New Hanover, do hereby certify that Charles Ohnmacht personally appeared before me this day of June 1, 2018, and acknowledge the due execution of the forgoing document including the stormwater collection system maintenance requirements. Witness my hand and official seal,



[Handwritten Signature]  
Notary Public  
My commission expires 8-28-18