



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

### 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: Willsthrill, LLC

PROJECT:

**Atlantic Marine Canal Street** 

ADDRESS:

123 Canal Street

PERMIT #:

2020031

DATE:

10/19/2020

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 10/19/2030 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 10/19/2020.
- 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.
- This permit shall become void unless the facilities are constructed in accordance 3. with the approved stormwater management plans, specifications and supporting documentation, including information provided in the application and supplements.
- The runoff from all built-upon area within any permitted drainage area must be 4. directed into the permitted stormwater control system for that drainage area.
- 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
  - 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
  - e. Construction of any permitted future areas shown on the approved plans.





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- 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.
- 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.
  - Moving 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.





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- 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, invertand 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.
- 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.





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- 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 19th day of October, 2020

for Sterling Cheatham, City Manager

City of Wilmington

SWP2020031



Public Services
Engineering
212 Operations Center Dr
Wilmington, NC 28412
910 341-7807
91 341-5881 fax
wilmingtonnc.gov
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# NORTH CAROLINA

# STORMWATER MANAGEMENT PERMIT APPLICATION FORM (Form SWP 2.3)

I.	GENERAL INFORMATION
1.	Project Name (subdivision, facility, or establishment name - should be consistent with project name or plans, specifications, letters, operation and maintenance agreements, etc.):  Atlantic Marine Canal Street
2.	Location of Project (street address): 115, 123, 125 Canal St.
	City: Wilmington County: New Hanover Zip: 28405
II.	PERMIT INFORMATION
1.	Specify the type of project (check one): Low Density High Density  Offsite Stormwater System Drainage Plan Redevelopment Other  If the project drains to an Offsite System, list the Stormwater Permit Number(s):  City of Wilmington: State – NCDEQ/DEMLR:
2.	Is the project currently covered (whole or in part) by an existing City or State (NCDEQ/DEMLR) Stormwater Permit? Yes No  If yes, list all applicable Stormwater Permit Numbers:  City of Wilmington: State – NCDEQ/DEMLR:
3.	Additional Project Permit Requirements (check all applicable):  CAMA Major Sedimentation/Erosion Control 404/401 Permit
III.	CONTACT INFORMATION
1.	Print Applicant / Signing Official's name and title (the developer, property owner, lessee, designated government official, individual, etc. who owns the project):
	Applicant / Organization: Willsthrill, LLC
	Signing Official & Title: David Floyd - Manager



	Official:		
100 (0000000000000000000000000000000000			00.100
City: Wrightsville Beach	_State:		_Zip: <u>28480</u>
Phone: 910-256-9911	Email:	david@a	tlanticmarine.com
b. Please check the appropriate box. The app	olicant lis	ted above is	s:
		items 2 and 2	a below)
Print Property Owner's name and title (if different fro	om the ap	plicant).	
Property Owner / Organization:			
a. Contact information for Property Owner:			
Street Address:			
Phone:	_Email:		
n all correspondence:			
Signing Official & Title:			
a. Contact information for person listed in item	n 3 abov	e:	
Street Address:	***************************************		
City:	_State:	n a	Zip:
Phone:	_Email:		
rm (such as a consulting engineer and /or firm) so that	they may		
Consulting Engineer: Charles D. Cazier, P.E.			
a Contact information for consultant listed abo	ove:		
Mailing Address: 5725 Oleander Dr. Unit E-7			
		3	Zip: 28403
a Contact information for consultant listed abo	ove:		
Mailing Address: 5725 Oleander Dr. Unit E-7		3	zin: 28403
	Address: PO Box# 644  City: Wrightsville Beach Phone: 910-256-9911  b. Please check the appropriate box. The appropriate box of the property owner/Purchaser (Skip to item 3	City: Wrightsville Beach Phone: 910-256-9911 Email:  b. Please check the appropriate box. The applicant lise The property owner/Purchaser (Skip to item 3)	Address: PO Box# 644  City: Wrightsville Beach



### IV. PROJECT INFORMATION

1.	Total Property Area: 55,586 square feet
2.	Total Coastal Wetlands Area: 0square feet
3.	Total Surface Water Area: 0 square feet
4.	Total Property Area (1) – Total Coastal Wetlands Area (2) – Total Surface Water Area (3) = Total Project Area: $\underline{^{55,486}}$ square feet.
5.	Existing Impervious Surface within Project Area: 6330 square feet
6.	Existing Impervious Surface to be Removed/Demolished: 6330 square feet
7.	Existing Impervious Surface to Remain: 0square feet
8.	Total Onsite (within property boundary) Newly Constructed Impervious Surface (in square feet):

Buildings/Lots		5,500
Impervious Pavement		16,985
Pervious Pavement (total	ll area / adjusted area w credit applied)	1
Impervious Sidewalks		3,600
Pervious Sidewalks (total	l area / adjusted area w credit applied)	1
Other	(Describe)	
Future Development		

**Total Onsite Newly Constructed Impervious Surface** 

9. Total Onsite Impervious Surface (Existing Impervious Surface to remain + Onsite Newly Constructed Impervious Surface) 26,085	_square feet
10. Net Change in Onsite Impervious Surface (+ for net increase, - for net decrease) +19,755	_square feet
11. Project percent of impervious area: (Total Onsite Impervious Surface / Total Project Area) x100	0 = 47.0%
12. Total Offsite Newly Constructed Impervious Area (in square feet):	

26,085

Impervious Paven	nent	3,313
Pervious Pavemen	nt (total area / adjusted area w credit applied)	1
Impervious Sidewa	alks	1,536
Pervious Sidewalk	s (total area / adjusted area w credit applied)	1
Other	(Describe)	
Total Offsite New	ly Constructed Impervious Surface	4,849



13. Complete the following information for each Stormwater SCM drainage area. Low Density and Drainage Plan projects (with no permeable pavements) may omit this section and skip to Section V.

Basin Information	Whole Project N/A	Infiltration Trench SCM# 1	Type of SCM SCM #
Receiving Stream Name	UT to Wrightsville Recreational Area	UT To Wrightsville Recreational Area	
Receiving Stream Index Number	UT to 18-87-24	UT to 18-87-24	
Stream Classification	SB:#	SB:#	
Total Drainage Area (sf)	55,486	29,450	
On-Site Drainage Area (sf)	55,486	29,450	
Off-Site Drainage Area (sf)			
Buildings/Lots (sf)	5,500	5,500	
Impervious Pavement (sf)	16,985	16,985	
Pervious Pavement (total / adjusted) (sf)	1	1	1
Impervious Sidewalks (sf)	3,600	3,600	
Pervious Sidewalks (total / adjusted) (sf)	1	1	1
Other (sf)			
Future Development (sf)			
Existing Impervious to remain (sf)			
Offsite (sf)			
Total Impervious Area (sf)	26,085	26,085	
Percent Impervious Area (%)	47.0%	88.6%	

Basin Information	Type of SCM SCM#	Type of SCM SCM#	Type of SCM SCM#
Receiving Stream Name			
Receiving Stream Index Number			
Stream Classification			
Total Drainage Area (sf)			
On-Site Drainage Area (sf)			
Off-Site Drainage Area (sf)			
Buildings/Lots (sf)			
Impervious Pavement (sf)			
Pervious Pavement (total / adjusted) (sf)	1	1	1
Impervious Sidewalks (sf)			
Pervious Sidewalks (total / adjusted) (sf)	1	1	1
Other (sf)			
Future Development (sf)			
Existing Impervious to remain (sf)			
Offsite (sf)			
Total Impervious Area (sf)			
Percent Impervious Area (%)			



#### V. SUBMITTAL REQUIREMENTS

Only complete application packages will be accepted and reviewed by the City. A complete package includes all of the items listed below. Copies of forms, deed restrictions, checklists as well as detailed instructions on how to complete this application form may be downloaded from the City of Wilmington Plan Review website below:

https://www.wilmingtonnc.gov/departments/engineering/plan-review/stormwater-permits

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

City of Wilmington – Engineering Plan Review Section 212 Operations Center Dr. Wilmington, NC 28412

Please indicate that the following required information have been provided by initialing in the space provided for each item.

		miliais
1.	One completed Stormwater Management Permit Application Form.	_coc_
2.	One completed Supplement Form for each SCM proposed (signed, sealed and dated).	coc
3.	One completed Operation & Maintenance agreement for each type of SCM.	COC
4.	Proposed Deed Restrictions and Restrictive Covenants (for all subdivisions)	NA
5.	Appropriate stormwater permit review fee.	CDC
6.	Minimum requirements identified on the Engineering Plan Review Checklist have been addressed.	COC
7.	One set of calculations (sealed. signed and dated).	CDC
8.	A detailed narrative (one to two pages) describing the stormwater treatment/management system for the project.	coc
9.	A USGS map identifying the site location. If the receiving stream is reported as class SA or the receiving stream drains to class SA waters within $\frac{1}{2}$ mile of the site boundary, include the $\frac{1}{2}$ mile radius on the map.	COC
10.	A copy of the soils report, if applicable. Must meet NCDEQ SCM Manual and MDC requirements for the type of SCM proposed. The report must include boring logs and a map of boring locations.	COC
11.	One full set of plans folded to 8.5" x 14".	COC
12,	A map delineating and labeling the drainage area for each SCM proposed.	che
13.	A map delineating and labeling the drainage area for each inlet and conveyance proposed.	COC
14.	A digital copy of the entire submittal package (can be submitted via flash drive, CD, email, dropbox or other file sharing system).	COC



VI. PROPERTY OWNER AUTHORIZATION (If Section III(2) has been filled out, complete this section)				
I,, certify that I own the property identified in this permit application, and thus give permission to, the with				
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.				
agent	sibility for compliance with the City of Wilmington Stormwater Permit reverts the property owner, it is my responsibility to notify the City of Wilmington d Name/Ownership Change Form within 30 days; otherwise I will be operating but a valid permit. I understand that the operation of a stormwater treatment lation of the City of Wilmington Municipal Code of Ordinances and may result			
SEAL STARLY V STORMS	I,, a Notary Public for the State of, County of, Description of the State of, County of, Description of the personally appeared before me this day of, 2020_, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and efficial seal,, Wy commission expires:, 1126 2024			
VII. APPLICANT'S CERTIFIC I, <u>David Floyd</u> form is, to the best of my knowledge approved plans, that the required de	certify that the information included on this permit application, correct and that the project will be constructed in conformance with the ed restrictions and protective covenants will be recorded, and that the equirements of the applicable rules under the City's Comprehensive			
Signature: David Floyd	Date: 7/29/20			
SEAL THE REPORT OF THE PUBLIC	I,			

# SUPPLEMENT-EZ COVER PAGE

FORMS LOADED

PROJECT INFORMATION		
1	Project Name	Atlantic Marine Canal St.
2	Project Area (ac)	1.27
3	Coastal Wetland Area (ac)	0
4	Surface Water Area (ac)	0
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 that as listed in .1003(4)(c-d) out of the setback?	
10	Is streambank stabilization proposed on this project?	

11	Infiltration System	
12	Bioretention Cell	0
13	Wet Pond	0
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

27	Name and Title:	Charles D. Cazier, P.E.
28	Organization:	Intracoastal Engineering, PLLC
29	Street address:	5725 Oleander Dr. Unit E-7
30	City, State, Zip:	Wilmington
31	Phone number(s):	910-859-8983
32	Email:	charlie@intracoastalengineering.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.

SEAL OS2555

SEAL OS2555

SEAL OS2555

Date

Date

# **DRAINAGE AREAS**

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

## FORMS LOADED

DRAI	NAGE AREA INFORMATION	Entire Site	1
4	Type of SCM		Inf. Trench
5	Total BUA in project (sq ft)	26085 sf	26085 sf
	New BUA on subdivided lots (subject to permitting)		
6	(sq ft)		
	New BUA outside of subdivided lots (subject to		
7	permitting) (sf)	26085 sf	26085 sf
8	Offsite - total area (sq ft)	-	-
9	Offsite BUA (sq ft)	-	
10	Proceedings of now PLIA systems subdivided later		
10	Breakdown of new BUA outside subdivided lots: - Parking (sq ft)	16985 sf	16985 sf
	- Sidewalk (sq ft)	3600 sf	3600 sf
	- Roof (sq ft)	5500 sf	5500 sf
	- Roadway (sq ft)	-	3300 31
	- Future (sq ft)	_	1 -
	- Other, please specify in the comment box		
	below (sq ft)		2
	New infiltrating permeable pavement on subdivided		
11	lots (sq ft)	<u>-</u>	_
	New infiltrating permeable pavement outside of		
12	subdivided lots (sq ft)	200	And the second
	Exisitng BUA that will remain (not subject to		
13	permitting) (sq ft)	<u> </u>	
14	Existing BUA that is already permitted (sq ft)	-	-
15	Existing BUA that will be removed (sq ft)	6330 sf	-
16	Percent BUA	47%	89%
17	Design storm (inches)	1.5"	1.5"
	Design volume of SCM (cu ft)		3119 cf
19	Calculation method for design volume	-	Simple Method

# ADDITIONAL INFORMATION

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

# **INFILTRATION SYSTEM**

2	Drainage area number  Design volume of SCM (cu ft)	3119 cf
SENER	AL MDC FROM 02H .1050	011001
3	Is the SCM sized to treat the SW from all surfaces at build-out?	Yes
4		Yes
5	Is the SCM located away from contaminated soils?  What are the side slopes of the SCM (H:V)?	
- 5	What are the side slopes of the SCM (H:V)?	N/A
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)?	
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?	N/A
11	Does the maintenance access comply with General MDC (8)?	Yes
12	Does the drainage easement comply with General MDC (9)?	Yes
	If the SCM is on a single family lot, does (will?) the plat comply with General MDC	
13	(10)?	N/A
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
NFILTR	ATION SYSTEM MDC FROM 02H .1051	
18	Proposed slope of the subgrade surface (%)	0%
19	Are terraces or baffles provided?	No
20	Type of pretreatment:	Other
oils Do		Other
21	Was the sail investigated in the feetnaint and at the elevation of the infiltration and any	<b>V</b>
	Was the soil investigated in the footprint and at the elevation of the infiltration system?	Yes
22	SHWT elevation (fmsl)	7.00
23	Depth to SHWT per soils report (in)	12.00
24	Ground elevation at boring in soils report (fmsl)	8.00
25	Is a detailed hydrogeologic study attached if the separation is between 1 and 2 feet?	N/A
26	Soil infiltration rate (in/hr)	1.30
27	Factor of safety (FS) (2 is recommended):	2.00
levat	ions	
29	Bottom elevation (fmsl)	9 ft
30	Storage elevation (fmsl)	10.3 ft
31	Bypass elevation (fmsl)	10.3 ft
or Ba	sins Only	
32	Bottom surface area, ft <sup>2</sup> :	N/A
	Storage elevation surface area (ft <sup>2</sup> )	N/A
	enches Only	
34	Length (ft)	125 ft
35	Width (ft)	43 ft
36	Perforated pipe diameter, if applicable (inches)	N/A
37	Number of laterals	N/A
38	Total length of perforated piping	N/A
39	Stone type, if applicable	Washed 57
40	Stone void ratio (%)	0.4
41	Is stone free of fines?	Yes
42	Is the stone wrapped in geotextile fabric?	Yes
43	Has at least one infiltration port been provided?	Yes
	es/Drawdown	
44	Design volume of SCM (cu ft)	6852 cf
45	Time to drawdown (hours)	12 hrs
or and the same of	ONAL INFORMATION	
	Please use this space to provide any additional information about the infiltration system(s):	
	Pre-treatment is sediment basins in the Catch Basins and the Inlet/Outlet Structure box.	

# Infiltration Trench Operation and Maintenance Agreement

I will keep a maintenance record on this SCM. This maintenance record will be kept in a log in a known set location. Any deficient SCM 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 pollutant removal efficiency of the SCM.

Important maintenance procedures:

- The drainage area of the infiltration trench will be carefully managed to reduce the sediment load to the sand filter.
- The water level in the monitoring wells will be recorded once a month and after every storm event greater than 1.5 inches.

The infiltration trench will be inspected **once a quarter and within 24 hours after every storm event greater than 1.5 inches.** Records of operation and maintenance will be kept in a known set location and will be available upon request.

Inspection activities shall be performed as follows. Any problems that are found shall be repaired immediately.

SCM element:	Potential problem:	How to remediate the problem:
The entire SCM	Trash/debris is present.	Remove the trash/debris.
The grass filter strip or other pretreatment area	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.
	Sediment has accumulated to a depth of greater than six inches.	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 SCM.
The flow diversion structure (if applicable)	The structure is clogged.	Unclog the conveyance and dispose of any sediment off-site.
	The structure is damaged.	Make any necessary repairs or replace if damage is too large for repair.

SCM element:	Potential problem:	How to remediate the problem:
The trench	Water is ponding on the surface for more than 24 hours after a storm.	Remove the accumulated sediment from the infiltration system and dispose in a location that will not impact a stream or the SCM.
	Grass or other plants are growing on the surface of the trench.	Do not pull the weeds (may pull out media as well). Wipe them with a systemic herbicide such as glyphosate and then return within the week to remove them by hand. (Another option is to pour boiling water on them or steam them.)
The observation well(s)	Water present more than three days after a storm event.	Clean out any clogged underdrain pipes. Consult an appropriate professional for clogged soil subgrade.
The emergency overflow berm	Erosion or other signs of damage have occurred at the outlet.	Repair or replace the berm.
The receiving water	Erosion or other signs of damage have occurred at the outlet.	Repair the damage and improve the flow dissipation structure.

Permit Number: 2020031
(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 City of Wilmington of any problems with the system or prior to any changes to the system or responsible party.

Project name: Atlantic Marine Canal Street
SCM drainage basin number: 1
Print name: David Floyd
Title: Manager
Address: PO Box# 644 Wrightsville Beach, NC 28480
Phone: 910-256-9911
Signature:
Date: 7/29/20
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, Kimbery V. Stone, a Notary Public for the State of
NC County of New Handver, do hereby certify that
day of July, 2020, and acknowledge the due execution of the
forgoing infiltration trench maintenance requirements. Witness my hand and official
seal, Kmy Vi
PUBLIC SEAL  SEAL
SEAL
My commission expires 11 26 WW