



Public Services

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

DRAINAGE PLAN

SECTION 1 – APPROVAL

Having reviewed the construction drawings, application and all supporting materials, the City of Wilmington has determined that the proposed development meets the requirements for Drainage Plan Approval through the City of Wilmington's Comprehensive Stormwater Ordinance.

PERMIT HOLDER: Stephen Conway
PROJECT: Conway Park
ADDRESS: 5740 Park Avenue

PERMIT #: **2023012**

DATE: **March 10, 2023**

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 03/10/2031 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 03/10/2023.
- 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.
- 4. 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.
 - c. Further subdivision, acquisition, lease or sale of any part of the project area.
 - d. Filling in, altering, or piping of any vegetative or piped conveyance shown on the approved plan.
 - e. Construction of any permitted future areas shown on the approved plans.
- 5. A copy of the approved plans and specifications shall be maintained on file by the Permittee.





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- 6. During construction, erosion shall be kept to a minimum and any eroded areas of the system will be repaired immediately.
- 7. 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.
- 8. All applicable operation & maintenance agreements pertaining to all pervious pavement systems 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 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.
- 9. The permittee shall at all times provide the operation and maintenance necessary to assure the pervious pavement system functions at optimum efficiency. The approved Operation and Maintenance Plan must be followed in its entirety and maintenance must occur at the scheduled intervals including, but not limited to:
 - a. Scheduled inspections
 - b. Sediment removal/vacuum sweep surface
 - c. Immediate repair of eroded areas adjacent to pervious pavement
- 10. Each component of the stormwater management system should be inspected once a quarter and within 24 hours after every storm event greater than 1.5 inches.
- 11. Records of inspection, maintenance and repair for the permitted pervious pavement 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.
- 12. 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 field location, type, depth and invert of all 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.
- 13. 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.





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- 14. 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 of the Land Development Code.
- 15. 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.
- 16. 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.
- 17. 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.
- 18. 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.
- 19. 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.
- 20. 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.
- 21. 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 10th day of March, 2023

for Anthony Caudle, City Manager

City of Wilmington





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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 on plans, specifications, letters, operation and maintenance agreements, etc.): Conway Park
2.	Location of Project (street address): 5740 Park Ave.
	City: Wilmington County: New Hanover Zip: 28403
II.	PERMIT INFORMATION
1.	Specify the type of project (check one): Low Density High Density Offsite Stormwater System 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:
	Additional Project Permit Requirements (check all applicable): CAMA Major Sedimentation/Erosion Control 404/401 Permit CONTACT INFORMATION
1.	Print Applicant / Signing Official's name and title (the developer, property owner, lessee, designated
1.	government official, individual, etc. who owns the project):
	Applicant / Organization: Stephen Conway
	Signing Official & Title: Stephen Conway, Owner



	a. Contact information for Applicant / Signing Official:
	Address: 6252 Towles Rd.
	City: Wilmington State: NC Zip: 28403
	Phone: 910-538-9737 Email: sconway@ec.rr.com
	b. Please check the appropriate box. The applicant listed above is:
	The property owner/Purchaser (Skip to item 3) Lessee (Attach a copy of the lease agreement and complete items 2 and 2a below) Developer (Complete items 2 and 2a below.)
2.	Print Property Owner's name and title (if different from the applicant).
	Property Owner / Organization:
	Signing Official & Title:
	a. Contact information for Property Owner:
	Street Address:
	City:State:Zip:
	Phone:Email:
3.	(Optional) Other Contact name and title (such as a construction supervisor) who would like to be copied on all correspondence:
	Other Contact Person / Organization:
	Signing Official & Title:
	a. Contact information for person listed in item 3 above:
	Street Address:
	City:State:Zip:
	Phone:Email:
4.	Agent Authorization: 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: Charles D. Cazier, P.E.
	Consulting Firm: Intracoastal Engineering, PLLC
	a. Contact information for consultant listed above:
	Mailing Address: 5725 Oleander Dr. Unit E-7
	City: Wilmington State: Zip: 28403
	Phone: 910-859-8983 Email: charlie@intracoastalengineering.com



IV. PROJECT INFORMATION

1.	Total Property Area: 17,356 square feet
2.	Total Coastal Wetlands Area: 0 square feet
3.	Total Surface Water Area: 0square feet
4.	Total Property Area (1) – Total Coastal Wetlands Area (2) – Total Surface Water Area (3) = Total Project Area: 17,356 square feet.
5.	Existing Impervious Surface within Project Area: 100 square feet
6.	Existing Impervious Surface to be Removed/Demolished: 100 square feet
7.	Existing Impervious Surface to Remain: 0 square feet

8.	Total Onsite	(within property	boundary) Newly	Constructed Impervious	S Surface (in square feet):
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Buildings/Lots	3200		
Impervious Pavement	0		
Pervious Pavement (total area / adjusted area w credit applied)	7922	/	0
Impervious Sidewalks		845	
Pervious Sidewalks (total area / adjusted area w credit applied)	0	1	0
Other		0	
Future Development		0	
Total Onsite Newly Constructed Impervious Surface		4045	

9. Total Onsite Impervious Surface
(Existing Impervious Surface to remain + Onsite Newly Constructed Impervious Surface) 4045 square feet

10. Net Change in Onsite Impervious Surface (+ for net increase, - for net decrease) +3945 square feet

11. Project percent of impervious area: (Total Onsite Impervious Surface / Total Project Area) $x100 = \frac{23.3}{}\%$

12. Total Offsite Newly Constructed Impervious Area (in square feet):

Impervious Pavement		
Pervious Pavement (total area / adjusted area w credit applied)		1
Impervious Sidewalks		1,183
Pervious Sidewalks (total area / adjusted area w credit applied)		1
Other	Concrete Drive Aprons	1,007
Total Offsite Newly Cor	2,190	



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	Site	Type of SCM Permeable Concrete	Type of SCM SCM#
Receiving Stream Name	Bradley Creek	Bradley Creek	
Receiving Stream Index Number	18-87-24-4-(1)	18-87-24-4-(1)	
Stream Classification	SC;HQW	SC;HQW	
Total Drainage Area (sf)	17,356	10,415	
On-Site Drainage Area (sf)	17,356	10,415	
Off-Site Drainage Area (sf)	0	0	
Buildings/Lots (sf)	3,200	1,600	
Impervious Pavement (sf)	0	0	
Pervious Pavement (total / adjusted) (sf)	7,922 / 0	7,922 / 0	1
Impervious Sidewalks (sf)	845	845	
Pervious Sidewalks (total / adjusted) (sf)	0 / 0	0 / 0	1
Other (sf)	0	0	
Future Development (sf)	0	0	
Existing Impervious to remain (sf)	0	0	·
Offsite (sf)	0	0	
Total Impervious Area (sf)	4,045	2,445	-
Percent Impervious Area (%)	23.3%	23.5%	

Basin Information	Type of SCM	Type of SCM	Type of SCM
Basiii iiiioiiiialioii	SCM#	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	/
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.

1.	One completed Stormwater Management Permit Application Form.	AE
2.	One completed Supplement Form for each SCM proposed (signed, sealed and dated).	AE
3.	One completed Operation & Maintenance agreement for each type of SCM.	HE
4.	Proposed Deed Restrictions and Restrictive Covenants (for all subdivisions)	N/A
5.	Appropriate stormwater permit review fee.	AE
6.	Minimum requirements identified on the Engineering Plan Review Checklist have been addressed.	AE
7.	One set of calculations (sealed. signed and dated).	AE
8.	A detailed narrative (one to two pages) describing the stormwater treatment/management system for the project.	N/A
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.	NA
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.	AE
11.	One full set of plans folded to 8.5" x 14".	ME
12.	A map delineating and labeling the drainage area for each SCM proposed.	AE
13.	A map delineating and labeling the drainage area for each inlet and conveyance proposed.	N/A
14.	A digital copy of the entire submittal package (can be submitted via flash drive, CD, email, dropbox or other file sharing system).	AE



VI. PROPERTY OWNER AUTHORIZATION (If Section III(2) has been filled out, complete this section)				
,, certify that I own the property identified in this permit application, and thus give permission to				
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.				
agentagreement, or pending sale, response back to me, the property owner. As timmediately and submit a completed a stormwater treatment facility without	sibility for compliance with the City of Wilmington Stormwater Permit reverts the property owner, it is my responsibility to notify the City of Wilmington 1 Name/Ownership Change Form within 30 days; otherwise I will be operating ut 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 S. RAYNOR	I, Aiko S. Raynor, a Notary Public for the State of North Caroling, County of New Hanover, do hereby certify that Stephen B. Conway			
NOTARY	personally appeared before me this day of 7 October , 2022,			
	and acknowledge the due execution of the application for a stormwater			
DEN SOUNTY, NO.	permit. Witness my hand and official seal, My commission expires: 8.17.27			
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 Date: 10-7-22			
SEAL NOTARY PENDER COUNTY. NO.	I,Aiko S. Raynor, a Notary Public for the State of North Carolina, County of New Hanover, do hereby certify thatStephen B. Conway personally appeared before me this day of			

SUPPLEMENT-EZ COVER PAGE

FORMS LOADED

PROJECT INFORMATION		
1	Project Name	Conway Park
2	Project Area (ac)	0.4
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

COM	PLIANCE WITH 02H .1003(4)	
7	Width of vegetated setbacks provided (feet)	N/A
8	Will the vegetated setback remain vegetated?	N/A
9	If BUA is proposed in the setback, does it meet NCAC 02H.1003(4)(c-d)?	N/A
10	Is streambank stabilization proposed on this project?	No

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

FORMS LOADED

DESI	DESIGNER CERTIFICATION		
27	Name and Title:	Charles D. Cazier, PE	
28	Organization:	Intracoastal Engineering, PLLC	
29	Street address:	5725 Oleander Dr. Unit E-7	
30	City, State, Zip:	Wilmington, NC 28403	
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.

Signer SEAL 032555

Signature of Designer

2 17 2023 Date

DRAINAGE AREAS

1	Is this a high density project?	Yes
2	If so, number of drainage areas/SCMs	1
3	Does this project have low density areas?	No
4	If so, number of low density drainage areas	0
	Is all/part of this project subject to previous rule	
5	versions?	No

FORMS LOADED

DRAINAGE AREA	INFORMATION	Entire Site	1
			Permeable
4 Type of SCN	Л	N/A	Pavement
5 Total draina	ge area (sq ft)	17356 sf	10415 sf
6 Onsite drain	age area (sq ft)	17356 sf	10415 sf
7 Offsite drain	age area (sq ft)	-	-
8 Total BUA in	project (sq ft)	4045 sf	2445 sf
New BUA or	n subdivided lots (subject to permitting)		
9 (sq ft)		-	-
New BUA no	ot on subdivided lots (subject to		
10 permitting) (sf)	4045 sf	2445 sf
11 Offsite BUA	(sq ft)	-	-
12 Breakdown	of new BUA not on subdivided lots:		
- Parking (• '	-	-
- Sidewalk	· · ·	845 sf	845 sf
- Roof (sq	•	3200 sf	1600 sf
- Roadway		-	-
- Future (s	. ,	-	-
	ease specify in the comment box		
below (sq ft)		-	-
	ng permeable pavement on		
13 subdivided le	, , ,	-	-
	ng permeable pavement not on		
14 subdivided le		7922 sf	7922 sf
	A that will remain (not subject to		
15 permitting) (. ,	-	-
	A that is already permitted (sq ft)	-	-
	A that will be removed (sq ft)	-	-
18 Percent BUA		23.3%	23.5%
19 Design storr		N/A	1.5 in
	me of SCM (cu ft)	N/A	3961 cf
21 Calculation	method for design volume	N/A	Simple

ADDITIONAL INFORMATION

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

PERMEABLE PAVEMENT

	NINEABEE! AVEINEIN!	
1	Drainage area number	1
2	Minimum required treatment volume (cu ft)	3240 cf
3	Area of permeable pavement to be installed (square feet)	7922 sf
4	Area of screened roof runoff that is directed to pavement (square feet)	1600 sf
5	Area of additional built-upon area runoff that is directed to pavement (square feet)	845 sf
6	Area of incidental, unavoidable runoff from adjacent stable pervious areas (square feet)	-
GENER/	AL MDC FROM 02H .1050	
7	Is the SCM sized to treat the SW from all surfaces at build-out?	Yes
8	Is the SCM located away from contaminated soils?	Yes
	What are the side slopes of the SCM (H:V)?	N/A
10	Are the inlets, outlets, and receiving stream protected from erosion (10-year storm)?	Yes
11	Is there an overflow or bypass for inflow volume in excess of the design volume?	Yes
12	What is the method for dewatering the SCM for maintenance?	Pump (preferred)
-	If applicable, will the SCM be cleaned out after construction?	N/A
	Does the maintenance access comply with General MDC (8)?	Yes
	Does the drainage easement comply with General MDC (9)?	Yes
16	If the SCM is on a single family lot, does (will?) the plat comply with General MDC (10)?	N/A
17	Is there an O&M Agreement that complies with General MDC (11)?	Yes
18	Is there an O&M Plan that complies with General MDC (12)?	Yes
19	Does the SCM follow the device specific MDC?	Yes
20	Was the SCM designed by an NC licensed professional?	Yes
PERME	ABLE PAVEMENT MDC FROM 02H .1055	
21	Is this a detention or infiltration permeable pavement system?	Infiltration
22	Design volume of SCM (cu ft)	3961 cf
	Proposed slope of the subgrade surface (%)	2%
	Are terraces or baffles provided?	No
	SHWT elevation (fmsl)	16.17
	Storage elevation of the design rainfall depth (fmsl)	22.00
27	Will toxic pollutants be stored or handled on or near the permeable pavement?	No
28	Does the proposed pavement surface comply with .1055(6)?	Yes
29	Will runoff from pervious surfaces be directed away from the pavement?	Yes
30	Maximum adjacent area directed to a single point onto the permeable pavement (sq ft)	800 sf
31	Has at least one observation well per terrace been provided at the low point(s)?	Yes
32	Have edge restraints been provided?	Yes

PERMEABLE PAVEMENT

33	Will the subgrade be graded when dry?	Yes
34	Will the permeable pavement be protected from sediment during	Yes
34	construction?	162
35	Will an in-situ permeability test be conducted after site stabilization?	Yes
For Inf	filtrating Pavement Systems	
36	Was the soil investigated in the footprint and at the elevation of the subgrade?	Yes
37	Soil infiltration rate (in/hr)	2.2 in/hr
38	Is a detailed hydrogeologic study attached if the separation is	No
30	between 1 and 2 feet?	INO
39	Is additional media being added to the soil profile?	No
40	Proposed slope of the subgrade surface (%)	2%
	Top of the subgrade (bottom of the aggregate) (fmsl)	21.50
42	Drawdown time (hours)	4.46 hrs
For De	tention Pavement Systems	
43	Drawdown time (hours)	-
Aggre	gate	
44	Aggregate depth (in)	6 in
45	Aggregate porosity (%)	0.4
46	Size of aggregate to be used in the subbase	#57
47	Will the aggregate be washed?	Yes
ADDIT	IONAL INFORMATION	
48	Please use this space to provide any additional information about the	
40	permeable pavement system(s):	
		4

Project Name: Project Location: 5740 Park Ave., Wilmington, NC 28403 Cover Page Maintenance records shall be kept on the following SCM(s). This maintenance record shall be kept in a log in a known set location. Any deficient of the public, and the pollutant removal efficiency of the SCM(s). These deficiencies can affect the integrity of structures, safety of the public, and the pollutant removal efficiency of the SCM(s). These deficiencies can affect the integrity of structures, safety of the public, and the pollutant removal efficiency of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). These deficiencies can affect the integrity of the SCM(s). The scale of the s	Operation & Maintenance Agreement			
Maintenance records shall be kept on the following SCM(s). This maintenance record shall 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(s). The SCM(s) on this project include (check all that apply & corresponding O&M sheets will be added automatically): Infiltration Basin (Justity: Location(s): Location(s)	Project Name:	Conway Park		
Maintenance records shall be kept on the following SCM(s). This maintenance record shall 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 politurant removal efficiency of the SCM(s). The SCM(s) on this project include (check all that apply & corresponding O&M sheets will be added automatically):	Project Location:	5740 Park Ave., Will	mington, NC 28403	
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(s). The SCM(s) on this project include (check all that apply & corresponding O&M sheets will be added automatically): Infiltration Trench Quantity: Location(s): Bioretention Cell Quantity: Wet Pond Quantity: Location(s): Wet Pond Quantity: Location(s): Dermeable Pavement Quantity: Location(s): Quantity: Location(s): Dermeable Pavement Quantity: Location(s): Quantity: Location(s): Dermeable Pavement Quantity: Location(s): Quantity: Location(s): Green Roof Level Spreader - Filter Strip Quantity: Location(s): Proprietary System Quantity: Location(s): Dry Pond Disconnected Impervious Surface User Defined SCM Present: No Location(s): Location(s): Location(s): Location(s): Dry Pond Disconnected Impervious Surface User Defined SCM Present: No Location(s): Location(Cover	Page	
the integrity of structures, safety of the public, and the pollutant removal efficiency of the SCM(s). The SCM(s) on this project include (check all that apply & corresponding O&M sheets will be added automatically): Infiltration Basin Infiltration Basin Infiltration Trench Quantity: Bioretention Cell Quantity: Uocation(s): Stormwater Wetland Quantity: Location(s): Stormwater Wetland Quantity: Location(s): Location(s): Stormwater Wetland Quantity: Location(s): Location(s): Permeable Pavement Quantity: Location(s): Downtread Prement Swale Quantity: Location(s): Location(s)				
Inflitration Basin Inflitration Trench Cuantity: Discreterition Cell Wet Pond Stormwater Wetland Quantity: Deation(s): Deation(s): Location(s): Rainwater Harvesting Quantity: Location(s): Level Spreader - Filter Strip Quantity: Location(s): Level Spreader - Filter Strip Quantity: Location(s): Level Spreader - Filter Strip Quantity: Location(s): Location(ese deliciencies can allect
Infiltration Trench Bioretention Cell Quantity: Wet Pond Quantity: Ucation(s):	The SCM(s) on this project include (che	ock all that apply & correspond	ding O&M sheets will be added automati	cally):
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Permeable Pavement Maintenance Requirements

Once a year, the Simple Infiltration Test shall be performed and any deficiencies in surface permeability shall be addressed.

At all times, the permeable pavement shall be kept free of:

- Debris and particulate matter through frequent blowing that removes such debris, particularly during the fall and spring.
- Piles of soil, sand, mulch, building materials or other materials that could deposit particulates on the pavement.
- Piles of snow and ice.
- Chemicals of all kinds, including deicers.

After the permeable pavement is constructed, it shall be inspected quarterly and within 24 hours after every storm event greater than 1.0 inches (or 1.5 inches if in a Coastal County). Records of operation and maintenance shall be kept in a known set location and shall 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 perimeter of the	Areas of bare soil and/or erosive gullies have formed.	Regrade the soil if necessary to remove the gully, plant ground cover and water until it is established. Provide lime and a one-time fertilizer application.
permeable pavement	A vegetated area drains toward the pavement.	Regrade the area so that it drains away from the pavement, then plant ground cover and water until established.
	Trash/debris is present.	Remove the trash/debris.
	Weeds are present.	Do not pull the weeds (may pull out media as well). Spray 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 surface of the permeable pavement	Sediment has accumulated on the permeable pavement surface.	Remove the sediment with a mechanical sweeper, regenerative air cleaner or vacuum truck as appropriate.
	The permeable pavement surface is rutting, cracking, slumping or otherwise damaged.	Consult an appropriate professional.
Observation well	Water is present more than three days after a storm event.	Clean out any clogged underdrain pipes. Consult an appropriate professional for clogged soil subgrade.
Educational sign	The sign is missing or damaged.	Replace the sign.
	Erosion or other signs of damage have occurred at the outlet.	Repair the damage and improve the flow dissipation structure.
The receiving water	Discharges from the permeable pavement are causing erosion or sedimentation in the receiving water.	Contact the local NCDEQ Regional Office.