



Public Services

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

January 2, 2018

Mr. Daniel T. Bickett, Vice-President
Carmax Auto Superstore, Inc.
12800 Tuckahoe Creek Parkway
Richmond, VA 23238

**Subject: Stormwater Management Permit No. 2017035R1
Carmax of Wilmington
High Density Development**

Dear Mr. Bickett:

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

Revised tree survey and tree removal plan. No changes to impervious.

Please be aware all terms and conditions of the permit 2017035 issued on August 17, 2017 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.

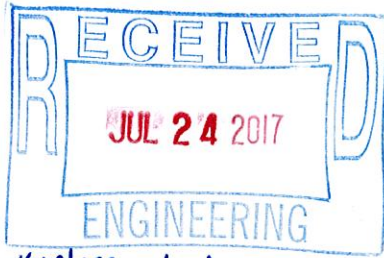
The revised stamped, approved stormwater management drawings will be released for construction by the Wilmington Planning Division under separate cover. Please replace any old plan sheets from the approved set with the new, revised sheet. An electronic copy of the approved drawing set, permit, application 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,

A handwritten signature in blue ink, appearing to read 'SC'.

for Sterling Cheatham, City Manager
City of Wilmington

cc: Rob Balland, PE, Paramount Engineering, Inc.
Eryn Futral, Associate Planner, City of Wilmington



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

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.):

Carmax of Wilmington

2. Location of Project (street address):

6030 Market Street

City: Wilmington County: New Hanover Zip: 28405

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

6030 Market Street, approxintely 0.75 miles northeast of US Hwy 74/Hwy 17 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: _____ 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: Carmax Auto Superstore, Inc.

Signing Official & Title: Daniel T. Bickett - Vice President

- a. Contact information for Applicant / Signing Official:

Street Address: 12800 Tuckahoe Creek Parkway

City: Richmond State: VA Zip: 23238

Phone: 804-935-4547 Fax: _____ Email: _____

Mailing Address (if different than physical address): _____

City: _____ State: _____ Zip: _____

- b. Please check the appropriate box. The applicant listed above is:

- The property owner (Skip to item 3)
- Lessee* (Attach a copy of the lease agreement and complete items 2 and 2a below)
- Purchaser* (Attach a copy of the pending sales agreement and complete items 2 and 2a below)
- Developer* (Complete items 2 and 2a below.)

2. Print Property Owner's name and title below, if you are the lessee, purchaser, or developer. (This is the person who owns the property that the project is on.)

Property Owner / Organization: _____

Signing Official & Title: _____

- a. Contact information for Property Owner:

Street Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

Mailing Address (if different than physical address): _____

City: _____ State: _____ Zip: _____

3. (Optional) Print the name and title of another contact such as the project's construction supervisor or another person who can answer questions about the project:

Other Contact Person / Organization: _____

Signing Official & Title: _____

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

Street Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Fax: _____ Email: _____

Mailing Address (if different than physical address): _____

City: _____ State: _____ Zip: _____

IV. PROJECT INFORMATION

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

Stormwater runoff will be treated utilizing a piped network that conveys the stormwater to a single wet detention pond on site.

2. Total Property Area: 655,055 square feet

3. Total Coastal Wetlands Area: _____ square feet

4. Total Surface Water Area: _____ square feet

5. Total Property Area (2) – Total Coastal Wetlands Area (3) – Total Surface Water Area (4) = Total Project Area: 655,055 square feet.

6. Existing Impervious Surface within Property Area: 73,904 square feet

7. Existing Impervious Surface to be Removed/Demolished: ~~61,418~~ 73,904 *pac 7/28/17* square feet

8. Existing Impervious Surface to Remain: 0 square feet

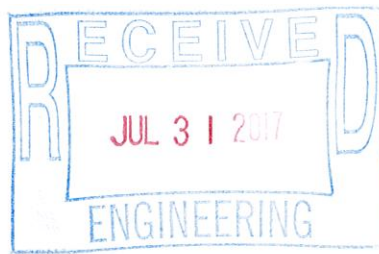
9. Total Onsite (within property boundary) Newly Constructed Impervious Surface (*in square feet*):

Buildings/Lots	41,583
Impervious Pavement	384,050
Pervious Pavement (adj. total, with % credit applied)	
Impervious Sidewalks	4,900
Pervious Sidewalks (adj. total, with % credit applied)	
Other (describe) Gravel Drive	4,350
Future Development	4,267
Total Onsite Newly Constructed Impervious Surface	439,150

10. Total Onsite Impervious Surface

(Existing Impervious Surface to remain + Onsite Newly Constructed Impervious Surface) = 439,150 square feet

11. Project percent of impervious area: (Total Onsite Impervious Surface / Total Project Area) x100 = 67 %



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

Impervious Pavement	850
Pervious Pavement (adj. total, with % credit applied)	
Impervious Sidewalks	
Pervious Sidewalks (adj. total, with % credit applied)	
Other (describe)	
Total Offsite Newly Constructed Impervious Surface	850

13. Total Newly Constructed Impervious Surface
(Total Onsite + Offsite Newly Constructed Impervious Surface) = 440000 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	Wet Pond BMP # 1	BMP #	BMP #
Receiving Stream Name	Spring Branch		
Receiving Stream Index Number	18-74-63-1		
Stream Classification	C;Sw		
Total Drainage Area (sf)	517492	0	0
On-Site Drainage Area (sf)	517492		
Off-Site Drainage Area (sf)			
Total Impervious Area (sf)	440000	0	0
Buildings/Lots (sf)	41583		
Impervious Pavement (sf)	384050		
Pervious Pavement, % credit (sf)			
Impervious Sidewalks (sf)	4900		
Pervious Sidewalks, % credit (sf)			
Other (sf)	4350		
Future Development (sf)	4267		
Existing Impervious to remain (sf)	0		
Offsite (sf)	850		
Percent Impervious Area (%)	85%		

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

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: Rob Balland, PE

Consulting Firm: Paramounte Engineering, Inc.

a. Contact information for consultant listed above:

Mailing Address: 122 Cinema Drive

City: Wilmington State: NC Zip: 28403

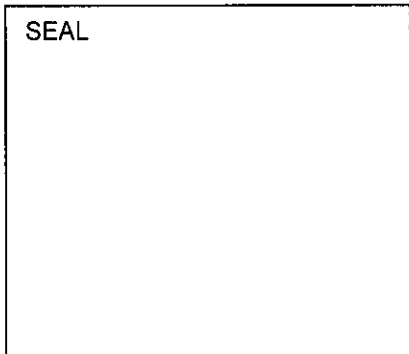
Phone: 910-791-6707 Fax: _____ Email: rballand@paramounte-eng.com

VII. PROPERTY OWNER AUTHORIZATION (If Section III(2) has been filled out, complete this section)

I, (print or type name of person listed in Contact Information, item 2) _____, certify that I own the property identified in this permit application, and thus give permission to (print or type name of person listed in Contact Information, item 1) _____ with (print or type name of organization listed in Contact Information, item 1) _____ to develop the project as currently proposed. A copy of the lease agreement or pending property sales contract has been provided with the submittal, which indicates the party responsible for the operation and maintenance of the stormwater system.

As the legal property owner I acknowledge, understand, and agree by my signature below, that if my designated agent (entity listed in Contact Information, item 1) dissolves their company and/or cancels or defaults on their lease agreement, or pending sale, responsibility for compliance with the City of Wilmington Stormwater Permit reverts back to me, the property owner. As the property owner, it is my responsibility to notify the City of Wilmington immediately and submit a completed Name/Ownership Change Form within 30 days; otherwise I will be operating a stormwater treatment facility without a valid permit. I understand that the operation of a stormwater treatment facility without a valid permit is a violation of the City of Wilmington Municipal Code of Ordinances and may result in appropriate enforcement including the assessment of civil penalties.

Signature: _____ Date: _____

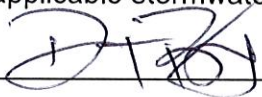


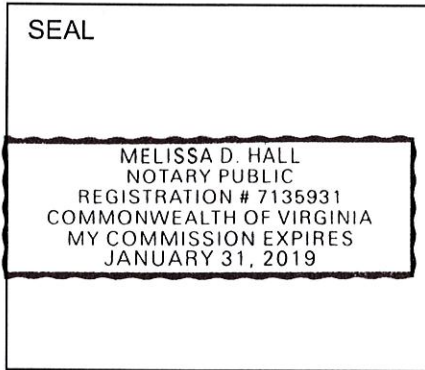
I, _____, a Notary Public for the State of _____, County of _____, do hereby certify that _____ personally appeared before me this day of _____, _____, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,

My commission expires: _____

VIII. APPLICANT'S CERTIFICATION

I, (print or type name of person listed in Contact Information, item 1), DANIEL T. BICKETT 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: 5/11/17



I, MELISSA D. HALLTM, a Notary Public for the State of VIRGINIA, County of GOODLAND, do hereby certify that DANIEL T. BICKETT personally appeared before me this day of MAY 11, 2017, and acknowledge the due execution of the application for a stormwater permit. Witness my hand and official seal,
Melissa D. Hall
My commission expires: January 31, 2019

**STORMWATER MANAGEMENT PERMIT APPLICATION FORM
401 CERTIFICATION APPLICATION FORM
WET DETENTION BASIN SUPPLEMENT**

*This form must be filled out, printed and submitted.
The Required Items Checklist (Part III) must be printed, filled out and submitted along with all of the required information.*

I. PROJECT INFORMATION

Project name	Carmax Auto Superstore
Contact person	Dan Bickett
Phone number	804-935-4547
Date	5/19/2017
Drainage area number	1

II. DESIGN INFORMATION

Site Characteristics

Drainage area	517,492 ft ²
Impervious area, post-development	440,000 ft ²
% impervious	85.03 %
Design rainfall depth	1.5 in

Storage Volume: Non-SA Waters

Minimum volume required	52,729 ft ³
Volume provided	96,126 ft ³

Insufficient required volume.

OK, volume provided is equal to or in excess of volume required.

Storage Volume: SA Waters

1.5" runoff volume	ft ³
Pre-development 1-yr, 24-hr runoff	ft ³
Post-development 1-yr, 24-hr runoff	ft ³
Minimum volume required	ft ³
Volume provided	ft ³

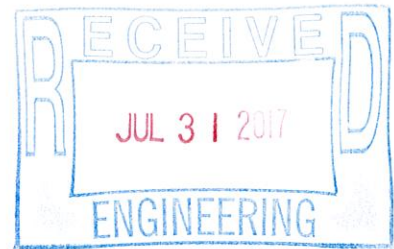
Peak Flow Calculations

Is the pre/post control of the 1yr 24hr storm peak flow required?	N	(Y or N)
1-yr, 24-hr rainfall depth	in	
Rational C, pre-development	(unitless)	
Rational C, post-development	(unitless)	
Rainfall intensity: 1-yr, 24-hr storm	in/hr	
Pre-development 1-yr, 24-hr peak flow	1.11 ft ³ /sec	
Post-development 1-yr, 24-hr peak flow	0.59 ft ³ /sec	
Pre/Post 1-yr, 24-hr peak flow control	-0.52 ft ³ /sec	

Elevations

Temporary pool elevation	40.50 fmsl
Permanent pool elevation	39.00 fmsl
SHWT elevation (approx. at the perm. pool elevation)	39.00 fmsl
Top of 10ft vegetated shelf elevation	39.00 fmsl
Bottom of 10ft vegetated shelf elevation	38.00 fmsl
Sediment cleanout, top elevation (bottom of pond)	28.00 fmsl
Sediment cleanout, bottom elevation	27.00 fmsl
Sediment storage provided	1.00 ft

Is there additional volume stored above the state-required temp. pool?	Y	(Y or N)
Elevation of the top of the additional volume	40.5 fmsl	OK



II. DESIGN INFORMATION

Surface Areas

Area, temporary pool	64,360 ft ²	
Area REQUIRED, permanent pool	15,784 ft ²	
SA/DA ratio	3.05 (unitless)	
Area PROVIDED, permanent pool, A_{perm_pool}	61,411 ft ²	OK
Area, bottom of 10ft vegetated shelf, A_{bot_shelf}	53,169 ft ²	
Area, sediment cleanout, top elevation (bottom of pond), A_{bot_pond}	17,032 ft ²	

Volumes

Volume, temporary pool	96,126 ft ³	OK
Volume, permanent pool, V_{perm_pool}	408,073 ft ³	
Volume, forebay (sum of forebays if more than one forebay)	74,574 ft ³	
Forebay % of permanent pool volume	18.3% %	OK

SA/DA Table Data

Design TSS removal	90 %	
Coastal SA/DA Table Used?	Y (Y or N)	
Mountain/Piedmont SA/DA Table Used?	N (Y or N)	
SA/DA ratio	3.05 (unitless)	

Average depth (used in SA/DA table):

Calculation option 1 used? (See Figure 10-2b)	N (Y or N)	
Volume, permanent pool, V_{perm_pool}	408,073 ft ³	
Area provided, permanent pool, A_{perm_pool}	61,411 ft ²	
Average depth calculated	ft	Need 3 ft min.
Average depth used in SA/DA, d_{avr} (Round to nearest 0.5ft)	ft	
Calculation option 2 used? (See Figure 10-2b)	Y (Y or N)	
Area provided, permanent pool, A_{perm_pool}	61,411 ft ²	
Area, bottom of 10ft vegetated shelf, A_{bot_shelf}	53,169 ft ²	
Area, sediment cleanout, top elevation (bottom of pond), A_{bot_pond}	17,032 ft ²	
"Depth" (distance b/w bottom of 10ft shelf and top of sediment)	11.00 ft	
Average depth calculated	7.73 ft	OK
Average depth used in SA/DA, d_{avr} (Round to nearest 0.5ft)	7.5 ft	OK

Drawdown Calculations

Drawdown through orifice?	Y (Y or N)	
Diameter of orifice (if circular)	4.00 in	
Area of orifice (if-non-circular)	in ²	
Coefficient of discharge (C_D)	0.60 (unitless)	
Driving head (H_o)	0.86 ft	
Drawdown through weir?	(Y or N)	
Weir type	(unitless)	
Coefficient of discharge (C_w)	(unitless)	
Length of weir (L)	ft	
Driving head (H)	ft	
Pre-development 1-yr, 24-hr peak flow	1.11 ft ³ /sec	
Post-development 1-yr, 24-hr peak flow	0.59 ft ³ /sec	
Storage volume discharge rate (through discharge orifice or weir)	0.22 ft ³ /sec	
Storage volume drawdown time	2.74 days	OK, draws down in 2-5 days.

Additional Information

Vegetated side slopes	3 : 1	OK
Vegetated shelf slope	6 : 1	Insufficient shelf slope.
Vegetated shelf width	6.0 ft	Insufficient shelf length.
Length of flowpath to width ratio	4 : 1	OK
Length to width ratio	4.0 : 1	OK
Trash rack for overflow & orifice?	Y (Y or N)	OK
Freeboard provided	1.4 ft	OK
Vegetated filter provided?	N (Y or N)	OK
Recorded drainage easement provided?	N (Y or N)	Insufficient. Recorded drainage easement required.
Captures all runoff at ultimate build-out?	Y (Y or N)	OK
Drain mechanism for maintenance or emergencies is:	Pump	

Operation & Maintenance Agreement

Project Name: CarMax of Wilmington

Project Location: 6030 Market Street, Wilmington, NC 28405

Cover Page

Maintenance records shall be kept on the following BMP(s). This maintenance record shall be kept in a log in a known set location. Any deficient BMP elements noted in the inspection will be corrected, repaired, or replaced immediately. These deficiencies can affect the integrity of structures, safety of the public, and the pollutant removal efficiency of the BMP(s).

The BMP(s) on this project include (check all that apply & corresponding O&M tables will be added automatically):

Bioretention Cell	Quantity:		Location(s):	
Dry Detention Basin	Quantity:		Location(s):	
Grassed Swale	Quantity:		Location(s):	
Green Roof	Quantity:		Location(s):	
Infiltration Basin	Quantity:		Location(s):	
Infiltration Trench	Quantity:		Location(s):	
Level Spreader/VFS	Quantity:		Location(s):	
Permeable Pavement	Quantity:		Location(s):	
Proprietary System	Quantity:		Location(s):	
Rainwater Harvesting	Quantity:		Location(s):	
Sand Filter	Quantity:		Location(s):	
Stormwater Wetland	Quantity:		Location(s):	
Wet Detention Basin	Quantity:	1	Location(s):	Onsite
Disconnected Impervious Area	Present:		Location(s):	
User Defined BMP	Present:		Location(s):	

I acknowledge and agree by my signature below that I am responsible for the performance of the maintenance procedures listed for each BMP above, and attached O&M tables. I agree to notify NCDENR of any problems with the system or prior to any changes to the system or responsible party.

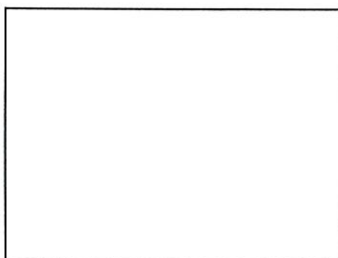
* Responsible Party: **Carmax Auto Superstores, Inc.**
 Title & Organization: **VP, Store Delivery and Support Services**
 Street address: **12800 Tuckahoe Creek Parkway**
 City, state, zip: **Wilmington, NC 23238**
 Phone number(s): **804-935-4547**
 Email: **Dan_Bickett@carmax.com**

Signature: _____

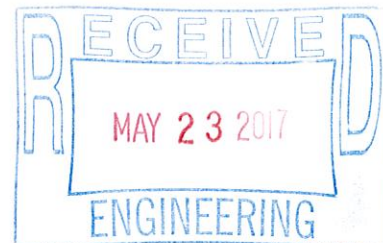
Date: _____

I, MELISSA D. HALL, a Notary Public for the State of VIRGINIA
 County of GOOCHLAND, do hereby certify that DANIEL T. BICKETT
 personally appeared before me this 11th day of MAY, 2017 and
 acknowledge the due execution of the Operations and Maintenance Agreement.

Witness my hand and official seal, Melissa D. Hall



MELISSA D. HALL
 NOTARY PUBLIC
 REGISTRATION # 7135931
 COMMONWEALTH OF VIRGINIA
 MY COMMISSION EXPIRES
 JANUARY 31, 2019



Seal

My commission expires

January 31, 2019

Wet Detention Pond Maintenance Requirements

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

Important maintenance procedures:

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

After the wet detention pond is established, it should be inspected once a month and within 24 hours after every storm event greater than 1.0 inches (or 1.5 inches if in a Coastal County). Records of operation and maintenance should be kept in a known set location and must be available upon request.

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

BMP element:	Potential problem:	How I will remediate the problem:
The entire BMP	Trash/debris is present.	Remove the trash/debris.
The perimeter of the BMP	Areas of bare soil and/or erosive gullies have formed.	Regrade the soil if necessary to remove the gully, and then plant a ground cover and water until it is established. Provide lime and a one-time fertilizer application.
	Vegetation is too short or too long.	Maintain vegetation at a height of approximately six inches.
The inlet device	The pipe is clogged.	Unclog the pipe. Dispose of the sediment off-site.
	The pipe is cracked or otherwise damaged.	Replace the pipe.
	Erosion is occurring in the swale.	Regrade the swale if necessary to smooth it over and provide erosion control devices such as reinforced turf matting or riprap to avoid future problems with erosion.
	Stone verge is clogged or covered in sediment (if applicable).	Remove sediment and replace with clean stone.
The forebay	Sediment has accumulated to a depth greater than the original design depth for sediment storage.	Search for the source of the sediment and remedy the problem if possible. Remove the sediment and dispose of it in a location where it will not cause impacts to streams or the BMP.
	Erosion has occurred.	Provide additional erosion protection such as reinforced turf matting or riprap if needed to prevent future erosion problems.
	Weeds are present.	Remove the weeds, preferably by hand. If pesticide is used, wipe it on the plants rather than spraying.
The vegetated shelf	Best professional practices show that pruning is needed to maintain optimal plant health.	Prune according to best professional practices
	Plants are dead, diseased or dying.	Determine the source of the problem: soils, hydrology, disease, etc. Remedy the problem and replace plants. Provide a one-time fertilizer application to establish the ground cover if a soil test indicates it is necessary.
	Weeds are present.	Remove the weeds, preferably by hand. If pesticide is used, wipe it on the plants rather than spraying.

Wet Detention Pond Maintenance Requirements (Continued)

The main treatment area	Sediment has accumulated to a depth greater than the original design sediment storage depth.	Search for the source of the sediment and remedy the problem if possible. Remove the sediment and dispose of it in a location where it will not cause impacts to streams or the BMP.
	Algal growth covers over 50% of the area.	Consult a professional to remove and control the algal growth.
	Cattails, phragmites or other invasive plants cover 50% of the basin surface.	Remove the plants by wiping them with pesticide (do not spray).
The embankment	Shrubs have started to grow on the embankment.	Remove shrubs immediately.
	Evidence of muskrat or beaver activity is present.	Use traps to remove muskrats and consult a professional to remove beavers.
	A tree has started to grow on the embankment.	Consult a dam safety specialist to remove the tree.
	An annual inspection by an appropriate professional shows that the embankment needs repair. (if applicable)	Make all needed repairs.
The outlet device	Clogging has occurred.	Clean out the outlet device. Dispose of the sediment off-site.
	The outlet device is damaged	Repair or replace the outlet device.
The receiving water	Erosion or other signs of damage have occurred at the outlet.	Contact the local NC Department of Environment and Natural Resources Regional Office.
<p align="center">The measuring device used to determine the sediment elevation shall be such that it will give an accurate depth reading and not readily penetrate into accumulated sediments.</p>		

Wet Detention Pond Design Summary

Wet Pond Diagram

WET POND ID		FOREBAY		MAIN POND	
DA 1		Permanent Pool El.	39	Permanent Pool El.	39
		Temporary Pool El:	40.5	Temporary Pool El:	40.5
Pretreatment other than forebay?	No	Clean Out Depth:	11	Clean Out Depth:	11
Has Veg. Filter?	No	Sediment Removal El:	28	Sediment Removal El:	28
		Bottom Elevation:	27	Bottom Elevation:	27