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DEED BOOK: 6585 PAGE: 938-943 INSTRUMENT # 2023037941

Real Estate Excise Tax: \$0.00 Deputy/Assistant Register of Deeds: Emma Davis

## Wet Detention Basin Operation and Maintenance Agreement

I will keep a maintenance record on this BMP. This maintenance record will 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 removal efficiency of the BMP.

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

This system (check one): does does not	incorporate a vegetated filter at the outlet.
This system (check one): $\boxtimes$ does $\square$ does not	incorporate pretreatment other than a forebay.

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**. Records of operation and maintenance should be kept in a known set location and must be available upon request. An inspection report certified by a qualified professional engineer will be submitted to the Johnston County Stormwater Administrator on a annual basis.

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 wet detention basin	Areas of bare soil and/or erosive gullies have formed.  Vegetation is too short or too	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.  Maintain vegetation at a height of
	long.	approximately six inches.
The inlet device: pipe or swale	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.
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

Permit Number: 22-031\_\_\_\_\_\_(to be provided by Johnston County)

BMP element:	Potential problem:	How I will remediate the problem:
	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.
The vegetated shelf	Weeds are present.	Remove the weeds, preferably by hand. If pesticide is used, wipe it on the plants rather than spraying.
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. Cattails, phragmites or other invasive plants cover 50% of the basin surface.	Consult a professional to remove and control the algal growth.  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 Johnston County Stormwater Administrator at (919) 209-8333.

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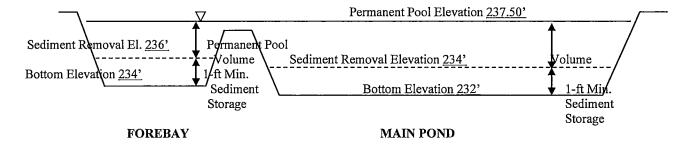
The measuring device used to determine the sediment elevation shall be such that it will give an accurate depth reading and not readily penetrate into accumulated sediments.

When the permanent pool depth reads <u>234'</u> feet in the main pond, the sediment shall be removed.

When the permanent pool depth reads <u>236'</u> feet in the forebay, the sediment shall be removed.

## **BASIN DIAGRAM**

(fill in the blanks)



The obligations incurred herein by owner and applicant are appurtenant and run with the property. This agreement is and shall be recorded in the Johnston County Registry, at the expense of the Applicant, and it is and shall be binding upon all subsequent owners, successors, and assigns of the project or any parcel thereof.

We will perform any and all maintenance directed by Johnston County Public Utilities. If we fail to do so, Johnston County reserves the right to perform the work directed and assess the costs to the undersigned. Furthermore, any owner of property served by the project shall be jointly responsible with the undersigned to Johnston County for the maintenance of the facility and liable for any costs incurred by Johnston County pursuant to this agreement.

We acknowledge and agree by our signatures below that we are responsible for the performance of this maintenance agreement. We agree to notify the Johnston County Stormwater Administrator of any problems with the system or prior to any changes to the system or responsible party.

Project name: Benson Village (McLamb-Byrd Farms)
BMP ID# (as shown on plans):ONE
Print name of Applicant: ABJ Investments, LLC – Brian Raynor
Title:Member
Address:PO Box 1843, Fayetteville, NC 28302
Phone: (910) 485-5790
Signature:
Date: November 30, 2023
Print name of Owner (If different from Applicant): Brian Layno/
Signature:
Date:

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.

	Permit Number: 22-031
I, Shelby Threatt North Carolina, County of Cumb	, a Notary Public for the State of
North Carolina, County of Cum	ser(and, do hereby certify that
Brian Raynor	_ personally appeared before me this <b>3 o-tr</b>
day of November, 2023, and ac	knowledge the due execution of the
forgoing wet detention basin maintenance req	uirements. Witness my hand and official
seal,	
NOTARY OUBLIC STATE	

SEAL

My commission expires 11-11-2024