



RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767

TDD 401-222-4462

September 16, 2013

Harkins Stafford Pond, LLC
c/o Harkins Development
Chris Harkins
1907 East Main Road
Portsmouth, RI 02871

Insignificant Alteration – Permit

Re: Application No. 12-0050, RIPDES No. RIR100913, WQC # 12-038 - in reference to the property and proposed project located:

Approximately 500 feet north of Bulgarmarsh Road opposite Roosevelt Avenue and approximately 900 feet northwest of its intersection with Stafford Road, Plat 216/Lot 106 (formally Assessor's Map 4-9, Block 113, Card 103), Tiverton, RI.

Dear Mr. Harkins:

Kindly be advised that the Department of Environmental Management's ("DEM") Freshwater Wetlands Program ("Program") has completed its review of your **Request for Preliminary Determination** application. This review included a site inspection of the above referenced property ("subject property") and an evaluation of the proposed 16-lot residential subdivision, two cul de sacs, lot development, driveways, drainage, onsite wastewater treatment systems ("OWTS"), town water, utilities with clearing, grading, and landscaping as illustrated and detailed on site plans submitted with your application. These site plans were received on May 7, 2013.

Our observations of the subject property, review of the site plans and evaluation of the proposed project reveals that alterations of freshwater wetlands are proposed. However, pursuant to Rule 9.00 of the Rules and Regulations Governing the Administration and Enforcement of the Fresh Water Wetlands Act (Rules), this project may be permitted as an **insignificant alteration** to freshwater wetlands under the following terms and conditions:

Terms and Conditions for Application No. 12-0050:

1. This letter is the DEM's permit for this project under the R.I. Fresh Water Wetlands Act, Rhode Island General Laws (RIGL) Section 2-1-18 et seq.
2. This permit is specifically limited to the project, site alterations and limits of disturbance as detailed on the site plans submitted with your application and received by the DEM on May 7, 2013. A copy of the site plans stamped approved by the DEM is enclosed. Changes or revisions to the project which would alter freshwater wetlands are not authorized without a permit from the DEM.
3. Where the terms and conditions of the permit conflict with the approved site plans, these terms and conditions shall be deemed to supersede the site plans.

4. You must notify this Program in writing immediately prior to the commencement of site alterations and upon completion of the project.
5. A copy of the stamped approved site plans and a copy of this permit must be kept at the site at all times during site preparation, construction, and final stabilization. Copies of this permit and the stamped approved plans must be made available for review by any DEM or City/Town representative upon request.
6. Within ten (10) days of the receipt of this permit, you must record this permit in the land evidence records of the Town of Tiverton and supply this Program with written documentation obtained from the Town showing this permit was recorded.
7. The effective date of this permit is the date this letter was issued. This permit expires July 1, 2019 unless renewed pursuant to the Rules.
8. Any material utilized in this project must be clean and free of matter that could pollute any freshwater wetland.
9. Prior to commencement of site alterations, you shall erect or post a sign resistant to the weather and at least twelve (12) inches wide and eighteen (18) inches long, which boldly identifies the initials "DEM" and the application number of this permit. This sign must be maintained at the site in a conspicuous location until such time that the project is complete. .
10. Temporary erosion and sediment controls detailed or described on the approved site plans shall be properly installed at the site prior to or commensurate with site alterations. Such controls shall be properly maintained, replaced, supplemented, or modified as necessary throughout the life of this project to minimize soil erosion and to prevent sediment from being deposited in any wetlands not subject to disturbance under this permit.
11. Upon permanent stabilization of all disturbed soils, temporary erosion and/or sediment controls consisting of silt fence must be removed.
12. You are responsible for the proper installation, operation, maintenance and stability of any mitigative features, facilities, and systems of treatment and control which are installed or used in compliance with this permit to prevent harm to adjacent wetlands until such time that you document that this responsibility has been assumed by another person or organization.
13. You are obligated to install, utilize and follow all best management practices detailed or described on the approved site plans in the construction of the project to minimize or prevent adverse impacts to any adjacent freshwater wetlands and the functions and values provided by such wetlands.
14. You must provide written certification from a registered land surveyor or registered professional engineer that the stormwater drainage system including any and all basins, piping systems, catch basins, culverts, swales and any other stormwater management control features have been constructed/installed in accordance with the site plans approved by this permit. This written certification must be submitted to this Program within twenty (20) days of its request or upon completion of the project.
15. Use of fertilizers is prohibited for any property within the association developed by Stafford View Farm.

16. Within thirty (30) days of completion of construction and final stabilization of the site, the applicant shall inform the Department in writing that the site has been stabilized.
17. After final stabilization of the site, the applicant will conduct sampling of storm water treated by the filters to determine effectiveness of the "Minnesota Filter". The applicant must collect and analyze stormwater samples and document monitoring activities consistent with the procedures described below:

Monitoring Period: Two (2) year period starting from the date of completion of construction and final stabilization.

Monitoring Frequency: Two (2) events per year, no closer than 2 months apart

Total Events: Four (4) events

Representative Storm: The storm must be more than 0.5 inches but less than 2.5 inches. All required monitoring must be performed on a storm event that results in an actual discharge from the site ("measurable storm event") that follows the preceding measurable storm event by at least 72 hours (3 days).

Sampling Location: The applicant will sample stormwater at the inlet to the bioretention mix (post sediment forebay) and at the outlet of each of the 3 dry swales in the project.

Sample Type: Grab samples collected within the first 30 minutes of an actual discharge from a storm event. If it is not possible to collect the sample within the first 30 minutes of discharge, the sample must be collected as soon as practicable after the first 30 minutes and the reason why it was not possible to take samples within the first 30 minutes must be documented.

Analysis Required: Total Phosphorus and Dissolved Phosphorus using EPA 136 approved methods.

Reporting Requirements: The applicant will submit a report to the Department documenting the removal efficiencies for phosphorus in the dry swales. At a minimum, the report must include for each monitoring event:

- Date and duration (in hours) of the rainfall event, rainfall total (in inches) for that rainfall event, and time (in days) since the previous measurable storm event.
- Sample location(s)
- Sample collection date and time, and sample analysis date and time for each sample;
- Personnel collecting the sample and performing analysis and their signatures;
- Results of analytical samples of the stormwater discharge;
- Probable sources of any observed stormwater contamination,
- If applicable, why it was not possible to take samples within the first 30 minutes.
- Analytical results and Lab sheets

Report Due: Within thirty (30) days from the end of the last monitoring period.

Report to: The final report required under this permit condition shall be submitted to the RIDEM, Office of Water Resources, RIPDES Program, 235 Promenade Street, Providence RI 02908 Attention: RIPDES Computer Operator.

18. You must replace the bioretention mix as originally designed or with modification approved by the Department after 10 years from the date of final stabilization.

Kindly be advised that a permit is needed from the O.W.T.S. Program prior to commencing any work on this project.

Pursuant to the provisions in Rule 7.09 and Rule 11.04, as applicable, any properly recorded and valid permit is automatically transferred to the new owner upon sale of the property

Kindly be advised that this permit is not equivalent to a determination of the type or extent of freshwater wetlands on the subject property. Should you wish to obtain such verification, you may submit an application in accordance with Rule 8.03.

You are required to comply with the terms and conditions of this permit and to carry out this project in compliance with the Rules at all times. Failure to do so may result in an enforcement action by this Department.

“Special Condition Related to RIPDES General Permit for Storm Water Discharge Associated with Construction Activity (GP) - Construction Activities which disturb one (1) or more acres of land and where storm water runoff is directed, via a point source, into a separate storm sewer system or into the waters of the State, are required to seek coverage under the Rhode Island Pollutant Discharge Elimination System (RIPDES) storm water permit. In accordance with Part I.C.2.b. of the *General Permit RIPDES Stormwater Discharge Associated with Construction Activity (effective September 2008 (GP))*, point source discharges of storm water associated with construction activity that disturb > 1 acre are automatically authorized upon the applicant’s receipt of a Freshwater Wetlands Permit. The owner/operator is required to comply with all terms and conditions of the GP to maintain authorization. This includes but is not limited to developing and maintaining a Storm Water Pollution Prevention Plan (SWPPP), performing the required inspections and maintenance of the selected Best Management Practices (BMPs), and record keeping and retention. Further information on the requirements, or terms and conditions, of the GP are available at <http://www.dem.ri.gov/pubs/regs/regs/water/ripdesca.pdf>.”

RIDEM strongly recommends that you obtain written assurances from contractors or subcontractors retained to undertake construction activity that they will comply with all applicable requirements of the RIPDES GP. Owners and operators of construction sites authorized to discharge under the RIPDES GP are encouraged to participate in the RIDEM’s Voluntary CONSTRUCTION SITE STORMWATER COMPLIANCE PROGRAM. More detailed information about the program can be found on the RIDEM’s Office of Customer and Technical Assistance (OCTA) website:

<http://www.dem.ri.gov/programs/benviron/assist/ms4/index.htm>.

Participation in this program will ensure that your site is less likely to cause environmental impacts due to erosion or impact the local drainage system and is prepared for regulatory compliance inspections. If you would like to discuss how you might participate in the voluntary program, please call Michelle McCaughey from the RIDEM – Office of Technical and Customer Assistance at (401) 222-6822 ext. 7269 or Brian Lafaille from the RIDEM – Office of Water Resources RIPDES Permitting Program at (401) 222-4700 ext. 7731.”

In permitting the proposed alterations, the DEM assumes no responsibility for damages resulting from faulty design or construction.

This permit does not remove your obligation to obtain any local, state, or federal approvals or permits required by ordinance or law and does not relieve you from any duties owed to adjacent landowners with specific reference to any changes in drainage.

Please contact me (telephone: 401-222-6820, ext. 7408) should you have any questions regarding this letter.

Sincerely,

Nancy L. Freeman

Nancy L. Freeman, Senior Environmental Scientist
Office of Water Resources
Freshwater Wetlands Program
NLF/nlf

Enclosure: Approved site plans

xc: Brian Moore, Supervisor "OWTS" Program
Alisa Richardson, Water Quality Certification Program
Traci Pena, RIPDES Program
Kazem Farhoumand, P.E., RIDOT
Christopher P. Spencer, Tiverton Town Planner
Stephen Berlucchi, Tiverton Public Works Director
William F. Smith, President, Civil Engineering Concepts, Inc.