



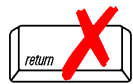
**WPA Form 8A – Request for Certificate of Compliance**

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

**A. Project Information**

**Important:**

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:

Evergreen Commons, LLC

Name

25 Storey Ave, PMB 319

Mailing Address

Newburyport

City/Town

MA

State

01950

Zip Code

Phone Number

2. This request is in reference to work regulated by a final Order of Conditions issued to:

Evergreen Commons, LLC

Applicant

February 6, 2018

Dated

051-0973

DEP File Number

3. The project site is located at:

18 Boyd Drive

Street Address

110

Assessors Map/Plat Number

Newburyport

City/Town

20 (1-44)

Parcel/Lot Number

4. The final Order of Conditions was recorded at the Registry of Deeds for:

Property Owner (if different)

Essex

County

36573

Book

141

Page

Certificate (if registered land)

5. This request is for certification that (check one):

the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.

the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.



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**A. Project Information (cont.)**

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

Yes

If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

No

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**B. Submittal Requirements**

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html>).



Civil Engineering  
Transportation/Traffic  
Water/Wastewater  
Geotechnical  
Land Surveying  
Environmental  
Planning

October 23, 2021

Julia Godtfredsen, Newburyport Conservation Administrator  
Newburyport Planning Conservation Commission  
City Hall  
Newburyport, Massachusetts 01950

RE: Final As-built and Future Impervious Surface Stormwater Analysis.  
Port Place  
Newburyport, Massachusetts

This technical memorandum backs up the findings in the final as-built plan relating to a small increase of the impervious surfaces associated with the project. We have provided an as-built plan showing the constructed surface conditions. The as-built plan fully covers 36 of 38 lots with the structures and driveway as-built locations shown on lots 8 and 9. The walks and patio areas were not completed at the time of the final as-built survey so were estimated based upon typical lot coverages. The final as built indicated a total of 250,583 square feet of impervious surface area. This is an increase of 38,490 square feet project related impervious area. The increase is mostly due to constructed patios and walks that were not indicated on the original design drainage plan. This is a 2.4% increase to the project site drainage area and a 1.6% increase of the entire drainage area contributing to the Isolated Land Subject to Flooding (ILSF). Given the size of the drainage area contributing to the ILSF area this small increase results in an insignificant increase to the peak flood elevation. Based upon adjusting the as built hydroCAD calculations, adding the 38,490. square feet of impervious area will result in 8,899 cubic feet of additional runoff. It should be noted based upon the as-built plan there was 71,000 square feet of additional isolated vegetated wetland area than indicated on the approved site plans. This additional lower elevation wetland renders and added 53,000 cubic feet of available storage volume for the ILSF area. This additional volume far exceeds the additional runoff volume created by the small increased impervious surface area.

In summary the added impervious area resulting from the as-built conditions impact to the ILSF elevation is negligible and more than compensated for with the additional volume provided within the additional isolated vegetated wetland are and will have no negative impact to the surrounding homes or open space. Additionally, the water quality is based upon the roadway and driveway areas flowing to the rain gardens and constructed stormwater wetland. These surfaces are where potential pollutants are generated. The area of roadway and driveways have been built

per the design plan so there is no impact for the rain gardens and constructed stormwater wetland to provide the water quality treatment as designed. The increased impervious surfaces consist of roof, patio, or walks, all considered to be clean stormwater as stipulated within the Massachusetts Department of Environmental Protection stormwater regulations.

Additionally, if every lot adds 2% for 3 car garage lots 5% for remaining homes of their total lot area to the as-built conditions of impervious surfaces would add another 17,680 square feet of impervious surfaces. This would be a total increased impervious surface area of 56,170 square feet from the original design calculations. Given the large size of the drainage area flowing to the ILSF area this increased impervious area is insignificant relating to the impact to the ILSF maximum flood elevation with only 19,096 cubic feet added to the total ILSF volume. This small amount of added stormwater is compensated within the additional storage volume provided in the additional isolated vegetated wetland area.

It should be noted we are experiencing what is looking to be in the top 5 years on record for recorded rainfall. Based upon weekly inspections over the past year, the ILSF area elevation has remained consistently below the 52.0. This is important to note because that was the elevation used as to be filled with water when calculation the peak storm ILSF conditions. In conclusion based upon inspections over the past year now with the site vegetated in all stormwater systems functioning, the ILSF water elevations are consistently below what was anticipated in the original design calculations.

Sincerely,  
**Design Consultants Inc.**

*Stephen Sawyer*

**Stephen Sawyer, P.E.**  
Senior Project Manager









