



TOWN OF WESTPORT
 CONSERVATION DEPARTMENT
 TOWN HALL - 110 MYRTLE AVENUE
 WESTPORT, CT 06880
 P 203.341.1170 F 203.341.1088

FOR OFFICE USE ONLY

File #

WPL-11068-20

Filed: 09/03/20

Rec'd: N/A

Inspection & As-Built: Yes/Yes

AS-BUILT Required: Y / N

RECEIVED

SEP 03 2020

TOWN OF WESTPORT
 CONSERVATION DEPARTMENT

APPLICATION
 WESTPORT CONSERVATION DEPARTMENT

PROJECT LOCATION: 21 Duck Pond Road, Westport

ASSESSOR'S MAP # A03

TAX LOT # 25

ZONING DISTRICT AA

APPLICANT OR AGENT	NAME	OWNER
RI Pools, Franco Iannone	Jennifer Strom	
24 Merwin Street	ADDRESS	21 Duck Pond Rd
Norwalk, CT 06850		Westport, CT 06880
203-858-1842	(H) PHONE (H)	646-784-2939
	(W) PHONE (W)	
francoi3131@gmail.com	E-MAIL	Jennifer@jsrcgroup.com

EXISTING CONDITIONS (Describe existing property and structures):

single family

PROJECT DESCRIPTION/PURPOSE (Describe the proposed activity):

New Inground Gunite Pool and Spa - 14' x 28'; pool mechanical, pool fence and drainage.

I hereby depose and say that all statements contained herein and all exhibits attached hereto are true and binding to the best of my knowledge:

[Signature]
 (Signature of Applicant)

9/10/2020
 (Date)

The act of applying to the Conservation Commission and/or Department implies consent to the proposed activity, and grants permission to the Conservation Commission/Department and its agents to inspect the property herein described for the purpose of resource inventory, impact analysis, and compliance investigation at any time beginning on the date of the application filing, and extending through the pendency of any permit issued, or in the event of permit denial, for the purpose of compliance control.

Auth letter Attached
 (Signature of Property Owner)

 (Date)

FOR DEPARTMENT USE ONLY

1. DEPARTMENT FINDINGS:

After preliminary review by department staff, the following areas, resources and levels of environmental licensure have been identified:

- o Wetland(s) / Watercourse(s), section: _____
 Non-regulated Activity Permit Required FEE \$ _____
- o Wetland / Watercourse Setback(s), section: _____
 Non-regulated Activity Permit Required FEE \$ _____
- o Waterway Protection Line(s), section: _____
 Non-regulated Activity Permit Required FEE \$ _____
- o Aquifer, section: _____
 Non-regulated Activity Permit Required FEE \$ _____
- o Staff Site Inspection for Determination of Wetland Boundary
 Administrative Review Conservation Commission Review FEE \$ _____

CONSERVATION CERTIFICATE OF COMPLIANCE FEE \$ _____
 STATE FEE \$ _____
 NOTICE FEE \$ _____
TOTAL FEE DUE \$ _____

The application has been classified as requiring the following ruling:

- DECLARATORY SUMMARY PLENARY

Public Hearing of the application by the Conservation Commission: is not required.
 is scheduled for _____.

Westport/Weston Health District Approval: _____ Public Sewer: Yes / No

Engineering Dept. review required: Yes/No Date Approved _____

Comments:

2. REQUEST FOR ADDITIONAL INFORMATION:

Please submit the information referenced in the attached schedule(s) by 4:00 p.m. on the _____ day of _____, 20__.

Schedule(s): A B C D E F G

Other: _____

3. RESTRICTION, CONDITIONS AND LIMITATIONS:

This review is valid for a period of six (6) months from the date of review, shown below, and is subject to the following data/plan(s)/stipulation(s):

Reviewed by: _____
 (Conservation Department Staff Signature)

 (Date)

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SCHEDULE D—WATERWAY PROTECTION LINES

PROJECT ADDRESS: 21 Duck Pond Road

Due by 4:00 p.m. on _____.

1. Explain/submit information showing why/how the proposed activity as located within Waterway Protection Lines will not cause flooding, drainage, erosion and/or related conditions hazardous to life and property and will not have an adverse impact upon the flood-carrying and water-storage capacity of the town's waterways, including but not limited to the impact upon flood heights, hydrological energy flow, maintenance of essential and natural patterns of water circulation, drainage and basin configuration and maintenance of fresh- and saltwater exchange through the placement of culverts, tide gates or other drainage flood-control structures. (*Sec. 148-8 of the Waterway Protection Line Ordinance*)

The client is proposing to construct a 14' x 28' inground pool with autocover near house. There will be no patio around the proposed pool except for the pool coping. The client is also proposing to construct an equipment deck (above flood elevation) against the existing house. The equipment will be set at or above the 100 year flood elevation of AE (EL. 13). In order to attenuate runoff from the new impervious surfaces and to provide groundwater recharge, an underground infiltration system/gallery will be utilized to detain the runoff from the proposed pool and spa.

2. Explain/submit information showing why/how the proposed activity as located within the Waterway Protection Lines will not cause water pollution, erosion and/or environmentally related hazards to life and property and will not have an adverse impact on the preservation of the natural resources and ecosystems of the waterway, including but not limited to impact on ground or surface water, aquifers, plant and aquatic life, nutrient exchange and supply, thermal energy flow, natural pollution filtration and decomposition, habitat diversity, viability and productivity and natural rates and processes or erosion and sedimentation. (*Sec. 148-9 of the Waterway Protection Line Ordinance*)

In order to meet or exceed the Town of Westport storm drainage requirements, the detention system will be designed to accommodate the 25 year, 24 hour, Type III storm (6.4 inches). The post-construction peak flow rate of the site will be less than or equal to the pre-construction peak flow rate for the site. Exfiltration was considered in our design based on a percolation rate of 1" in 10 minutes. A factor of safety of 1.5 was applied against the percolation rate determined in the field. The pre-construction conditions of were analyzed as vacant lawn area.

3. Other:

The post-construction conditions were analyzed with the inclusion of the proposed improvements and proposed retention system. Section 5 of the Drainage Report is a summary of pre and post development peak flows from the site for the 25 year storm event. The system was also designed for water quality volume or to be able to store the first 1" of runoff for all new impervious surfaces.