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# TOWN OF WESTPORT

TOWN OF WESTPORT  
CONSERVATION DEPARTMENT

SCHEDULE 5 — WATERWAY PROTECTION LINES

WPL-10955-20

Filed: 02/12/20

Rec'd: 02/19/20

Inspection & As-Built: Yes/Yes

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)*

As shown on the submitted site and building plans the proposed structure will be constructed to conform to all applicable requirements of the F.E.M.A. regulations. The proposed first floor will be set 1 foot above the 100 year flood elevation. Flood openings have been proposed in the crawl space and the garage exterior walls to allow flood waters to flow through the crawl space and garage. The driveway and patio are pervious.

3- 8' long x 1.5' high x 4' wide precast concrete galleries will be installed to collect the post developed stormwater runoff. The proposed stormwater system has been designed to accommodate the additional runoff produced during a 25 year storm.

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)*

The site is presently developed and the proposed construction as stated above will be constructed to F.E.M.A. regulations. In order to remove stormwater pollutants and provide water quality treatment the drainage system has been sized to handle the first 1.0" of rainfall from all impervious areas as recommended in the Connecticut Stormwater Quality Manual. (See attached drainage calculations). All sedimentation and erosion controls shown and described on the submitted site plan shall be installed prior to any construction and shall remain in place until all proposed construction work is completed and all disturbed site areas have been stabilized with ground cover.

3. Other: