



Town of Coventry
Inland Wetlands Agency
Application to Conduct Regulated Activity



Applicant: Mr. Walter Borst Phone: (860) 803-3096

Address: 51 Woodland Road, Coventry, CT 06238

Owner: Walter & Ruth Borst Phone: (860) 803-3096

Address: 332 Nathan Hale Road, Coventry, CT 06238

Agent: _____ Phone: _____

Address: _____

All correspondence for this application will be sent to the applicant and it will be their responsibility to notify all others named on this application regarding changes to plans, meetings notices, etc.

Location of Activity (location map to be included on site plan):

Street Address: 51 Woodland Road

Map: 00L Block: 0000 Lot#: 0004A

Description of Project:

Construction of new single family dwelling proposed within the upland review area.

(Use Separate paper if more space is needed.)

List of Regulated Activities:

**Square Feet of Wetlands,
Watercourse and/or Regulated
Area Impacted:**

- | | |
|---|--|
| 1. <u>Tree clearing</u> | <u>600 sf upland review disturbance</u> |
| 2. <u>Filling in upland review area to construct single family dwelling</u> | <u>2,348 sf upland review area disturbance</u> |
| 3. _____ | _____ |
| 4. _____ | _____ |

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INLAND WETLANDS

Certification by Applicant: (Please check as appropriate)

1. Is any portion of the property on which the regulated activity is proposed located within 500 feet of an adjoining municipality? Yes No
If the answer is yes you must send notice of the application by certified mail, return receipt requested, on the same day as filed, to the inland wetlands agency of the adjoining municipality. Documentation of such notice shall be provided to the Coventry Inland Wetlands Agency.
2. Will any traffic attributable to the completed project on the site use streets within the adjoining municipality to enter or exit the site? Yes No
3. Will sewer or water drainage from the project site flow through and impact the sewage or drainage system within the adjoining municipality? Yes No
4. Will water run-off from the improved site impact streets or other municipal or private property within the adjoining municipality? Yes No
5. Is any portion of the inland wetland or watercourse on which a regulated activity proposed within the mapped watershed boundary of a water company as defined by Section 16-1 of the Connecticut General Statutes? Yes No

If the answer to 5 is yes, notice to the water company by the applicant shall be made by certified mail, return receipt requested, within seven days of the filing of the application. Documentation of such notice shall be provided to the Agency.

The undersigned applicant hereby grants permission to the Agency and its Agent to conduct any necessary inspection of this property, at reasonable times, both before and after the permit in question has been granted by the Agency/Agent.

The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his/her knowledge and belief.

OWNER'S SIGNATURE: [Signature] DATE: 4/7/20
(Required)

APPLICANT'S SIGNATURE: [Signature] DATE: 4/7/20

FEE PAID: \$135 * This fee does not include Agent or Town Engineer's Fee.
CK# 9316 AMT root # 966464 411720

For Office Use Only	
Date Received in Office: _____	*Fee Paid: _____
Date Received by Inland Wetlands Agency: _____	
Public Hearing Required: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date: _____

*See attached fee schedule.

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MAR 17 2021

INLAND WETLANDS



Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete and mail this form in accordance with the instructions on pages 2 and 3 to:
DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3rd Floor, Hartford, CT 06106
Incomplete or incomprehensible forms will be mailed back to the municipal inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

- DATE ACTION WAS TAKEN: year: Click Here for Year month: Click Here for Month
- CHOOSE ACTION TAKEN (see instructions for codes): Click Here to Choose a Code
- WAS A PUBLIC HEARING HELD (check one)? yes no
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
(type name) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

- TOWN IN WHICH THE ACTION IS OCCURRING (type name): Coventry
does this project cross municipal boundaries (check one)? yes no
if yes, list the other town(s) in which the action is occurring (type name(s)): _____, _____
- LOCATION (click on hyperlinks for information): USGS quad map name: _____ or quad number: 40
subregional drainage basin number: 3105
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (type name): Walter Borst
- NAME & ADDRESS / LOCATION OF PROJECT SITE (type information): 51 Woodland Road, Coventry CT 06238
briefly describe the action/project/activity (check and type information): temporary permanent description: _____
Construction of single family residential dwelling
- ACTIVITY PURPOSE CODE (see instructions for codes): B
- ACTIVITY TYPE CODE(S) (see instructions for codes): 1, 2, 3, 12
- WETLAND / WATERCOURSE AREA ALTERED (type acres or linear feet as indicated):
wetlands: _____ acres open water body: _____ acres stream: _____ linear feet
- UPLAND AREA ALTERED (type acres as indicated): 0.05 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (type acres as indicated): 0 acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO

**51 Woodland Road
Pervious Calculations for Single Residence
Coventry, CT**

Lot coverage may be increased to fifteen percent (15%) in the Lake Residential (LR) Zone if the applicant demonstrates that the surface runoff that would be generated by the area of impervious surface in excess of ten percent (10%) of the total lot area during the first one inch (1") of rainfall from any precipitation event will be collected and returned to the ground by an appropriate device or devices, such as, but not limited to, infiltration basins or trenches, rain gardens, or in-ground perforated chambers. (Ref. Section 4.04.06 Lot Coverage)

[Town of Coventry,
Official Zoning Map]
[AES A2 Survey]

Residential Zone Lake Residential (LR)

Lot Area $A_C := 7678.8 \text{ ft}^2$

Lot Coverage

Existing Dwellings $A_{ed} := 485.5 \text{ ft}^2$ Proposed Dwellings $A_{pd} := 784 \text{ ft}^2$

Existing Shed/Covered Porch $A_{eo} := 161 \text{ ft}^2$ Ex. Shed & Proposed Covered Porch $A_{po} := 196 \text{ ft}^2$

Existing Retaining Walls $A_{erw} := 65 \text{ ft}^2$ Proposed Retaining Walls $A_{prw} := 35 \text{ ft}^2$

Existing Paved Areas $A_{ep} := 122.5 \text{ ft}^2$ Proposed Paved Areas $A_{pp} := 30 \text{ ft}^2$

Existing Slabs $A_{es} := 50 \text{ ft}^2$ Proposed Slabs $A_{ps} := 50 \text{ ft}^2$

Existing Coverage $A_e := A_{ed} + A_{eo} + A_{erw} + A_{ep} + A_{es} = 884 \text{ ft}^2$

Proposed Coverage $A_p := A_{pd} + A_{po} + A_{prw} + A_{pp} + A_{ps} = 1095 \text{ ft}^2$

Existing percent Coverage $\frac{A_e}{A_C} = 0.12$

Proposed percent Coverage $\frac{A_p}{A_C} = 0.14$

Excess Coverage Requiring Storage $A_{st} := A_p - 0.10 \cdot A_C = 327.12 \text{ ft}^2$

1" Rainfall Storage Required $RF := 1 \text{ in}$

Runoff Coefficient for Impervious Surface 0.90

Required Stormwater Storage $A_{RSS} := 0.90 A_{st} \cdot RF = 24.53 \text{ ft}^3$

Infiltration Trench (Single)

Using Quick 4 Standard Chamber $A_{Q4S} := 43.5 \text{ gal} = 5.82 \text{ ft}^3$

Add Stone Backfill $A_{SBF} := 2 \text{ ft}^2 \cdot (0.333) \cdot 48 \text{ in} = 2.66 \text{ ft}^3$

Total Unit System $A_{Single} := A_{Q4S} + A_{SBF} = 8.48 \text{ ft}^3$

Infiltration Trench (Double)

Using Quick 4 Side by Side $A_{Q4SS} := A_{Q4S} \cdot 2 = 11.63 \text{ ft}^3$

Add Stone Backfill $A_{SBF} := 3 \text{ ft}^2 \cdot 0.333 \cdot 4 \text{ ft} = 4 \text{ ft}^3$

Total Unit System $A_{Double} := A_{Q4SS} + A_{SBF} = 15.63 \text{ ft}^3$

Required Trench

$T := \frac{A_{RSS}}{A_{Double}} = 1.57$ Use 2

$L := 2 \cdot 4 \text{ ft} = 8 \text{ ft}$ 8 feet of double trench