TOWN OF WATERFORD
Application for Inland Wetland / Watercourse Permit

Type of Application:
Permitted Use, Section 4.1 _____
Unregulated Activities, Section 4.2 _____
Regulated Activities, Section 6 ✓ Fee: ✓

Agency Use:
Date Received: _____
Received By: _____
Application Number: C-23-05

1. Applicant: **Geraldine & Stephen Kuenkler**		Phone: **860-437-0387**	
Address: **268 Niantic River Road, Waterford**		State: **CT**	Zip: **06385**
Fax:	E-Mail: **drabikuenkler@juno.com**		
2. Owner: **<Same as applicant>**		Phone:	
Address:		State:	Zip:
Fax:	E-Mail:		
3. Agent: **H+H Engineering Associates, LLC Attn: Seamus Moran, P.E.**		Phone: **860-980-8008**	
Address: **232 Greenmanville Avenue, Suite 201, Mystic**		State: **CT**	Zip: **06355**
Fax:	E-Mail: **smoran@hh-engineers.com**		
4. Property Address: **268 Niantic River Road, Waterford (MBLU 115/5230)**			
5. **Abutting Property Owners** – Complete Attached Form			
6. **Activity to be Reviewed and / or Licensed** (attach sheet if necessary): **See attached**			
7. **Description of Proposed Activity** (attach sheet if necessary): **See attached**			
8. **Purpose of Activity** (attach sheet if necessary): **Slope stabilization and protection of pre-1995 residence**			
9a. **Acreage of Property:** **0.30 acres**		9b. **Acreage of Wetlands:** **0.04 acres**	
10. **Acreage of Wetlands Altered:** **0.0 acres**			
11. **Wetland Mitigation Proposed:** **No wetlands altered. SESC controls to be installed and maintained throughout construction.**			
12. Section 7 and sections 8.1 & 8.2 of the Town of Waterford "Inland Wetlands and Watercourse Regulations" have been complied with: (Review attached check list)		X **Yes:**	**No:**
The applicant / owner hereby gives the Commission, its agent and consultants the right of free access to any part of the property under consideration. The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his / her knowledge, information and belief.			
Applicant: Geraldine Kuenkler + A. Stephen Kuenkler		**Date:** 7/13/2023	
Owner: Geraldine Kuenkler + A. Stephen Kuenkler		**Date:** 7/13/2023	
Agent:		**Date:** 7/13/2023	

H+H ENGINEERING ASSOCIATES

ATTACHMENT TO WETLANDS PERMIT APPLICATION FOR
KUENKLER RESIDENCE SLOPE STABILIZATION IMPROVEMENTS
268 NIANTIC RIVER ROAD
WATERFORD, CONNECTICUT 06385
JULY 13, 2023

6. Activity to be Reviewed and/or Licensed

The subject property is approximately 0.30 acres and consists of approximately 0.26 acres of upland soil, 0.01 acres of tidal wetlands and 0.03 acres of inland wetlands on site. on site. The 100-foot inland wetland upland review area (URA) extends into Niantic River Road and encompasses the entire property.

Activity to be reviewed includes the installation of a new gabion retaining wall, placement of fill, and grading modifications within the URA. In total, approximately 0.05 acres of the 0.26 acres of upland soil on site will be disturbed by earthwork activities. The project improvements will require removal of trees, clearing, and earthwork to prepare the site. The downgradient edge of the gabion wall will be a minimum of 2.3 ft from the edge of the nearest wetland flag (WF5). The existing topography at the base of the gabion wall will remain unchanged, and the wall will serve to protect the existing slope and the existing coastal resources on the slope from erosion. Therefore, no direct or indirect impacts to wetlands are anticipated as a result of the proposed improvements.

An underdrain near the top of the slope was considered as an alternative to the proposed gabion wall, however, this option was not selected as the homeowner's have growing concerns that the unstable slope has already shown signs of erosion which may impact the structural integrity of the residence. The gabion wall will serve to stabilize the toe of the slope, and the fill material to be placed behind the wall will provide support for the existing building foundation.

7. Description of Proposed Activity

The applicant is proposing to install a gabion wall. The purpose of the gabion wall is to terrace and stabilize the failing slope as a means of protecting the structural integrity of the existing single-family residence which was constructed in 1925 (per assessor card).

Conservation Commission
Permit Application Attachment

Properties Adjacent to: 268 Niantic River Road

Owner	Parcel ID#		Property Address	Mailing Address
266 Niantic River Road LLC	479400		266 Niantic River Road	81 Granite Street, New London, CT 06320
James W. Castellani	479700		270 Niantic River Road	270 Niantic River Road, Waterford, CT 06385

Connecticut Department of
ENERGY & ENVIRONMENTAL PROTECTION

GIS CODE #: ___ ___ ___ ___ ___ ___ ___ ___ ___ ___
For DEEP Use Only

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

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 inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

1. DATE ACTION WAS TAKEN: year: _____ month: _____
2. ACTION TAKEN (see instructions, only use one code): _____
3. WAS A PUBLIC HEARING HELD (check one)? yes ☐ no ☐
4. NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
   (print name) _____ (signature) _____

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

5. TOWN IN WHICH THE ACTION IS OCCURRING (print name): Waterford
   does this project cross municipal boundaries (check one)? yes ☐ no ☑
   if yes, list the other town(s) in which the action is occurring (print name(s)): _____, _____
6. LOCATION (see instructions for information): USGS quad name: Niantic or number: _____
   subregional drainage basin number: 2204
7. NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): Geraldine & Stephen Kuenkler
8. NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): 268 Niantic River Road, Waterford, CT 06385
   briefly describe the action/project/activity (check and print information): temporary ☐ permanent ☑ description:
   New gabion wall for slope stability
9. ACTIVITY *PURPOSE* CODE (see instructions, only use one code): J
10. ACTIVITY *TYPE* CODE(S) (see instructions for codes): 1, 2, 12, _____
11. WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):
    wetlands: 0.00 acres open water body: 0.00 acres stream: 0 linear feet
12. UPLAND AREA ALTERED (must provide acres): 0.05 acres
13. AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 0.0 acres

PART III: To Be Completed By The DEEP

DATE RECEIVED: DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO FORM CORRECTED / COMPLETED: YES NO

NEW ENGLAND ENVIRONMENTAL SERVICES
Wetland Consulting Specialists Since 1983

June 27, 2023

Ms. Maureen Fitzgerald
Environmental Planner
Town of Waterford
15 Rope Ferry Road
Waterford, CT 06385

Re: 268 Niantic River Road
Waterford, Connecticut

Dear Ms. Fitzgerald:

On June 12, 2023, I evaluated the wetlands at 268 Niantic River Road in the Town of Waterford. I previously delineated the wetland boundary on the land. Wetland flags 1 through 3 delineate a tidal wetland boundary. Wetland flags 3 through 7 delineate an inland wetland boundary.

The inland wetland is formed by a groundwater seep on the side slope. The vegetation in the inland wetland is approximately 85 percent Japanese Knotweed, which is an exotic invasive plant. Other plant species include Skunk Cabbage, Jewelweed, Jack-in-the-Pulpit, and Jewelweed.

The proposal is to construct a gabion wall upgradient of the inland wetland. There will be no underdrain on the upgradient side to avoid affecting the groundwater hydrology. The gabion wall would not build hydrostatic pressure because it is not a solid wall. So, without an underdrain to redirect groundwater, the groundwater hydrology should be unaffected. The gabion wall should not impact the hydrology of the inland wetland.

Feel free to contact me if you have any questions.

Respectively Submitted,

New England Environmental Services
R. Richard Snarski
R. Richard Snarski
Professional Wetland Scientist #1391
Registered Professional Soil Scientist
Consulting Botanist

RRS/srh

30 GINA LANE, MARLBOROUGH, CONNECTICUT 06447
richsnarski@gmail.com • 860-918-1970 • www.richsnarski.com

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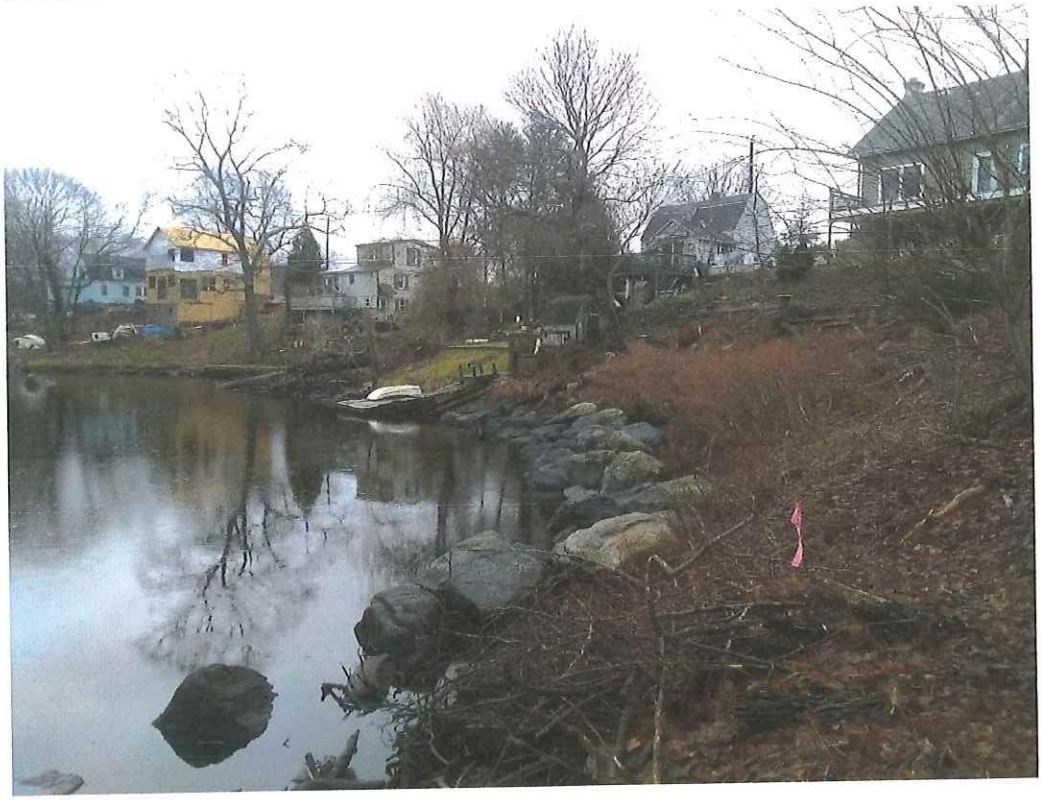

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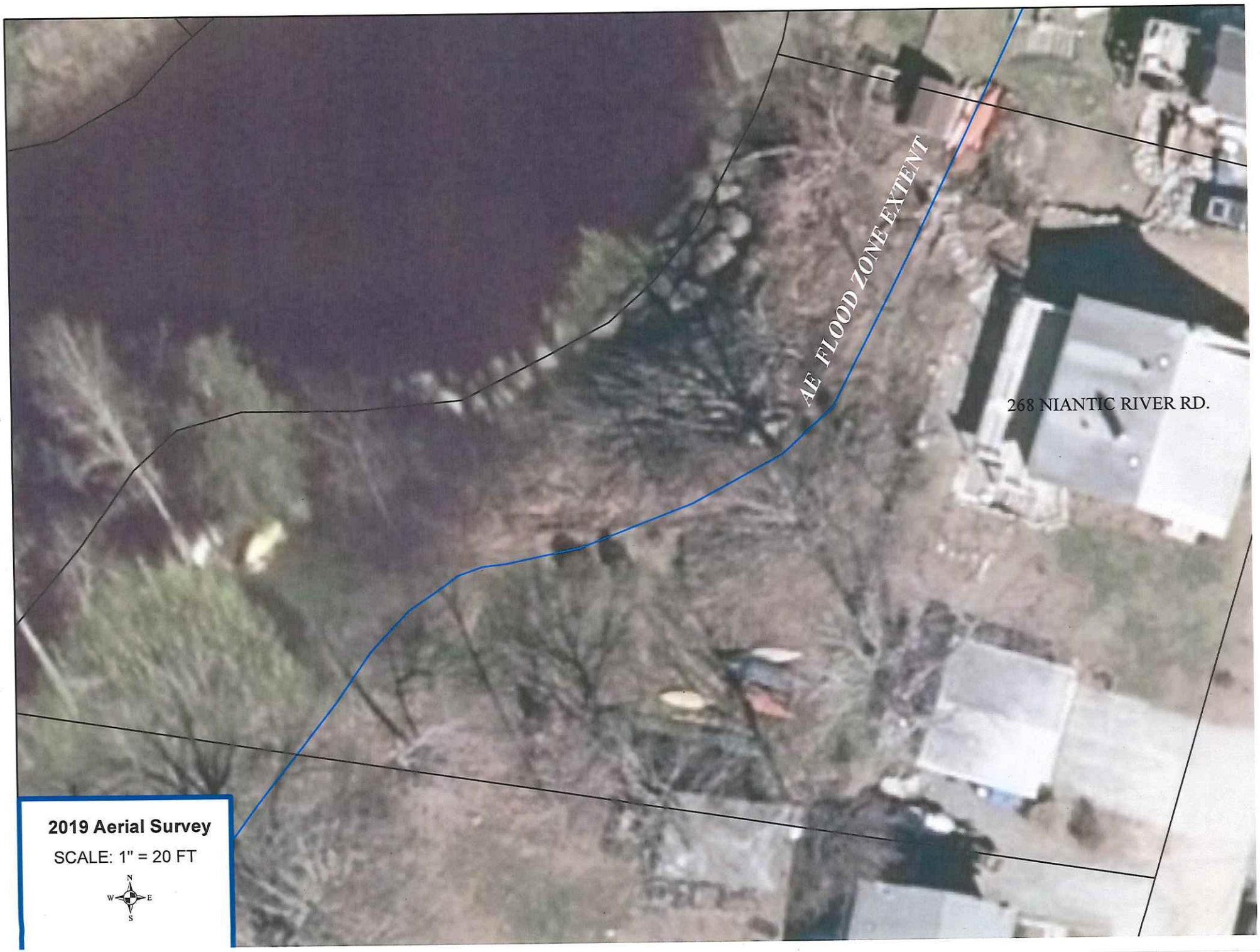
AE FLOOD ZONE EXTENT
268 NIANTIC RIVER RD.
2019 Aerial Survey
SCALE: 1" = 20 FT
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Search
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