



Office Use Only

Date Accepted: 6/18/2020

Accepted By: _____


*INLAND WETLANDS & WATERCOURSES AGENCY
TOWN OF EAST HAMPTON*

**Minimum Requirements for Submission of Application to
Inland Wetlands and Watercourses Agency**
This form must be submitted with your application

Please check all that are being submitted:

- Completed Application Form (3 Pages)
 - Fee Paid
 - Site Plan (Showing project location, extent of wetlands, dimensions, etc) – 10 Copies
 - Project Narrative – 10 Copies
 - Soils Report (As Required)
 - Stormwater Report (As Required)
 - State Reporting Form (Filled in to extent possible)
 - Completed Application Checklist (Page 3 of Application)
- Schedule a Site Visit with Planning & Zoning Official at time of Application

I certify that this application is complete:

Signature of Applicant:  Date: 6/17/2020

The Agency reserves the right to add additional requirements in accordance with the Regulations.
Only Complete Application Packages Will Be Accepted

Office Use Only

Fee Paid _____ Date Approved _____ Permit Number IW-20-019
Public Hearing: YES NO Agent Approval: YES NO

TOWN OF EAST HAMPTON
INLAND WETLANDS & WATERCOURSES AGENCY

Date: 6/16/2020

1. Name of Applicant* David Bengston
Phone Numbers: Home _____, Business _____, Cell (860) 202-2930
Home Address: Street 431 Hope Valley Rd. Town Amston State/Zip CT / 06231
Business Address: Street _____ Town _____ State/Zip _____

* All applications MUST list contact phone numbers. If the applicant is a Limited Liability Corporation or a Corporation, provide the managing member's or responsible corporate officer's name, address, and telephone number.

2. Name of Property Owner (if different from Applicant): _____ Phone _____
Address: Street _____ Town _____ State/Zip _____

As the legal owner of the property listed on this application I hereby consent to the proposed activities. I hereby authorize the members and agents of the Agency to inspect the subject land, at reasonable times, during the pendency of the application and for the life of the permit.

Printed Name: David Bengston, Signature: [Signature], Date: 6/17/2020

3. Provide the applicant's interest in the land. Owner

4. Site Location and Description: Assessor's Map 09A, Block 70, Lot 3
Address: Street 82 Spellman Point Rd. Town East Hampton State/Zip CT / 06424

Note: It is the applicant's responsibility to provide the correct site address, map, block, and lot number for the legal notice. Provide a description of the land in sufficient detail to allow identification of the inland wetlands and watercourses, the area(s) (in acres or square feet) of wetlands or watercourses to be disturbed, soil type(s), and wetland vegetation.

Area of Wetland to be disturbed: 0 acres or sq. ft.
Area of Watercourse to be disturbed: 0 acres or sq. ft.
Area of Upland Review Area to be disturbed: 0.11 acres or sq. ft. (Area within 100' of wetland)
TOTAL AREA OF DISTURBANCE 0.11 acres or sq. ft.

Will fill be needed on site? Yes No If yes, how much fill is needed? _____ cubic yards
The property contains (circle one or more) Abutting Lake Pocotopaug
WETLANDS, BROOK, RIVER, INTERMITTANT STREAM, VERNAL POOL, SWAMP, OTHER
Description of soil types on site: Canton & Charlton Fine Sandy Loams
Description of wetland vegetation: No wetland fringe
Name of Soil Scientist and date of survey: N/A

5. Attach a written narrative of the purpose and description of the proposed activity and proposed erosion and sedimentation controls, best management practices, and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including but not limited to; measures to:

(1) prevent or minimize pollution or other environmental damage, (2) maintain or enhance existing environmental quality, or (3) in the following order of priority: restore, enhance or create productive wetland or watercourse resources. Depending on the complexity of the project, include the following: sequence of operations, drainage computations with pre and post construction runoff quantities and runoff rates, plans clearly showing the drainage areas corresponding to the drainage computations, existing wetland inventory and functional assessment, soils report, construction plans signed by a certified soils scientist, licensed surveyor, and licensed professional engineer. Include a construction schedule, impacts to vegetation, and pictures that clearly show the existing conditions of all areas to be disturbed and/or cleared of vegetation.

6. Provide information of all alternatives considered. List all alternatives which would cause less or no environmental impact to wetlands or watercourses and state why the alternative as set forth in the application was chosen. All such alternatives shall be diagramed on a site plan or drawing.

Attach plans showing all alternatives considered.

7. Attach a site plan showing the proposed activity and existing and proposed conditions in relation to wetlands and watercourses and identifying any further activities associated with, or reasonably related to, the proposed regulated activity which are made inevitable by the proposed regulated activity and which may have an impact on wetlands or watercourses. Include a colored grading plan showing areas to be filled (green) and areas to be excavated (brown) that clearly shows existing and proposed contours and proposed limits of disturbance.

8. Attach the names and mailing addresses of adjacent landowners. Attach additional sheets if necessary.

Name (See Attached) Address _____
Name _____ Address _____
Name _____ Address _____

9. Attach a completed DEEP reporting form.

The Agency shall revise or correct the information provided by the applicant and submit the form to the Commissioner of Environmental Protection in accordance with section 22a-39-14 of the Regulations of Connecticut State Agencies.

10. Attach the appropriate filing fee based on the fee schedule in Section 19 of the regulations.

Fee: \$335.00 (Make check payable to "The Town of East Hampton")

11. Name of Erosion Control Agent (Person Responsible for Compliance): David Bengston
Phone Numbers: Home _____, Business _____, Cell (860) 202-2930
Address: Street 431 Hope Valley Rd. Town Amston State/Zip CT/06231

12. Are you aware of any wetland violations (past or present) on this property? YES NO
If yes, explain _____

13. Are you aware of any vernal pools located on or adjacent (within 500') to the property? YES NO

14. For projects that do not fall under the ACOE Category 1 general permit – Have you contacted the Army Corps of Engineers? YES NO

15. Is this project within a public water supply aquifer protection area or a public water supply watershed area? YES NO

If so, have you notified the Commissioner of the Connecticut Department of Public Health and the East Hampton WPCA? YES NO

(Proof of notification must be submitted with your application.)

16. PUBLIC HEARINGS ONLY. The applicant must provide proof of mailing notices to the abutters prior to the hearing date.

17. **As the applicant I am familiar with all the information provided in the application and I am aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.**

Printed name: David Bengston, Signature: [Signature], Date: 6/17/2020

Please Note: You or a representative must attend the Inland Wetlands meeting to present your application.

CHECKLIST FOR A COMPLETE APPLICATION

- completed application form including Department of Energy and Environmental Protection reporting form (green copy)
 - A narrative of the purpose and description and methodology of all proposed activities;
 - Alternatives considered by the applicant, reasons for leaving less than a 10' buffer between clearing and the wetlands. Such alternatives to be diagrammed on a site plan or drawing and submitted to the commission as part of the application;
 - Names and mailing addresses of abutting property owners;
 - Three copies of approximately 1"=40' scale plans
 - Locations of existing and proposed land uses
 - Locations of existing and proposed buildings
 - Locations of existing and proposed subsurface sewage disposal systems, and test hole descriptions
 - Existing and proposed topographical and man-made features including roads and driveways, on and adjacent to the site. Include a colored grading plan showing areas to be filled (green) and areas to be excavated (brown) that clearly shows existing and proposed contours and proposed limits of disturbance.
 - Location and diagrams of proposed erosion control structures
 - Pictures of existing conditions clearly showing all areas to be disturbed, and/or cleared of vegetation.
 - Assessor map, block and lot number
 - Key or inset map
 - North arrow
 - Flood zone classification and delineation *Lake*
 - Use of wetland and watercourse markers where appropriate.
 - Soil types classification and boundary delineation (flagged and numbered boundary), Soil Scientist's original signature and certification on plans
 - Soil Scientist's (or other wetland scientist) report on the function of the wetlands
 - Watercourse channel location and flow direction, where appropriate
 - 100 ft. regulated area depicted on plans *Whole site*
 - Conservation easements where appropriate
 - A detailed erosion and sediment control plan which meets requirements set forth in the most recent revision of the *Connecticut Guidelines for Soil Erosion and Sediment Control*, published by the Connecticut Council on Soil and Water Conservation, including:
 - Location of areas to be stripped of vegetation and other unprotected areas
 - Schedule of operations including starting and completion dates for major development phases
 - Seeding, sodding, or re-vegetation plans for all unprotected or un-vegetated areas
 - Location and design of structural sediment control measures
 - Timing of planned sediment control measures
 - Use of wetland and watercourse markers
 - Proper certification on the application documents and plans
- In the case of filling in wetlands, watercourses, or regulated upland areas, the following items are necessary:
- Area to be filled
 - Volume of requested fill
 - Finished slopes of filled areas
 - Containment and stabilization measures
 - Proposed finished contours
 - Evaluation of the effect of filling the wetlands with respect to storage volume and its impact downstream showing before and after development flows, and the evaluation of storm water detention including the existing need for flood control downstream
- Other required items:
- Proof of adjoining Town notification, where required;
 - All application fees required by Section 19 of these regulations;
 - A written narrative detailing how the effects of the applicant's proposed activities upon wetlands and watercourses shall be mitigated.
 - A written description of any and all future plans which may be linked to the activities proposed in the current application.
 - Address the potential to enhance the current buffer area.
 - Review drainage information with Town Engineering
 - Mailing requirements for abutters (public hearing only)

REYNOLDS ENGINEERING SERVICES, LLC

63 Norwich Avenue ♦ Colchester, CT 06415 ♦ (860) 465-7419
Suite 202

20047.00
82 Spellman Point Rd.
East Hampton, CT

Narrative:

The proposed activity includes the demolition of an existing single-family residence and the construction of a new single-family residence. Standard erosion & sedimentation control measures will be utilized during this project to minimize impact to Lake Pocotopaug. This involves proper installation & maintenance of silt fence along the width of the parcel on the lake side.

Abutters List:

09A-70-3
BENGSTON DAVID A &
431 HOPE VALLEY RD
AMSTON, CT 06231

09A-70-5
HOWLAND JOHN P &
78 SPELLMAN POINT RD
EAST HAMPTON, CT 06424

09A-70-2
NABLO DORENE C + GEORGE
43 BAY RD
EAST HAMPTON, CT 06424

REYNOLDS ENGINEERING SERVICES, LLC

63 Norwich Avenue ♦ Colchester, CT 06415 ♦ (860) 465-7419
Suite 202

20047.00
82 Spellman Point Road, East Hampton, CT
Stormwater Infiltration Design

Existing Conditions:

Total Area (utilizing closing line): 8,321.6 SF

Impervious Area:

House:	1,155.8 SF
Shed:	135.0 SF
Patio:	399.4 SF

Total Impervious Area: 1,690.2 SF

Total Pervious Area: 6,631.4 SF

Proposed Conditions:

Total Area (utilizing closing line): 8,321.6 SF

Impervious Area:

House:	1,714.0 SF
Shed:	135.0 SF
Stair/Landing:	75.0 SF

Total Impervious Area: 1,924.0 SF

Total Pervious Area: 6,397.6 SF

Increase in Impervious Area: $1,924.0 - 1,690.2 = 233.8$ SF

Vol. from 1" of Runoff: $233.8 / 12 = 19.48$ CF (145.75 gal.) Required Storage.

Design:

Use three (3) *Quick4 Plus High Capacity Chambers* (See spec sheets for dimensions, etc.)

Storage Capacity Provided: $(54 \text{ gal/unit}) \times (3 \text{ units}) = 162.0$ gal (21.65 CF) Provided Storage.
(See plan for detailed design with elevations, etc.)





INFILTRATOR®
water technologies

Quick4^{PLUS}
CHAMBER SYSTEMS

The Quick4[®] Plus High Capacity Chamber

Quick4 Plus™ Series

The Quick4 Plus High Capacity Chamber offers maximum strength through its two center structural columns. This chamber can be installed in a 36-inch-wide trench. Like the original line of Quick4 chambers, it offers advanced contouring capability with its Contour Swivel Connection™ which permits turns up to 15-degrees, right or left. It is also available in four-foot lengths to provide optimal installation flexibility. The Quick4 Plus All-in-One 12 Endcap, and the Quick4 Periscope are available with this chamber, providing increased flexibility in system configurations.



Maximum Strength

Quick4 Plus High Capacity Chamber Specifications

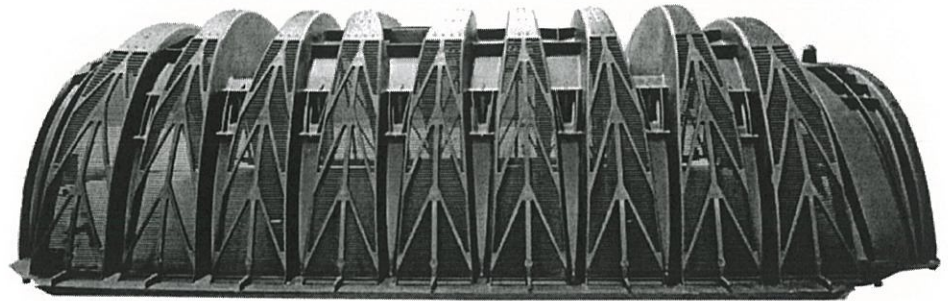
Size
34"W x 53"L x 14"H
(864 mm x 1346 mm x 356 mm)

Effective Length
48" (1219 mm)

Louver Height
12" (305 mm)

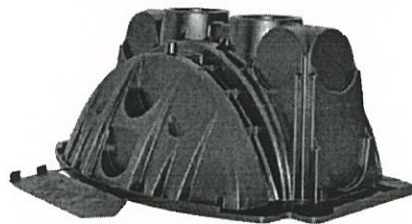
Storage Capacity
54 gal (204 L)

Invert Height
0.8" (20 mm), 5.3" (135 mm),
8.0" (203 mm), 12.7" (323 mm)



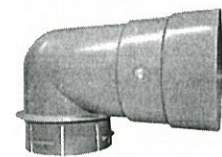
Quick4 Plus High Capacity Chamber Benefits:

- Two center structural columns offer increased stability and superior strength
- Advanced contouring connections
- Latching mechanism allows for quick installation
- Four-foot chamber lengths are easy to handle and install
- Supports wheel loads of 16,000 lbs/axle with 12" of cover



Quick4 Plus All-in-One 12 Endcap Benefits:

- May be used at the end of chamber row for an inlet/outlet or can be installed mid-trench
- Mid-trench connection feature allows construction of chamber rows with center feed, as an alternative to inletting at the ends of chamber rows
- Center-feed connection allows for easy installation of serial distribution systems
- Pipe connection options include sides, ends or top



Quick4 Plus All-in-One Periscope Benefits:

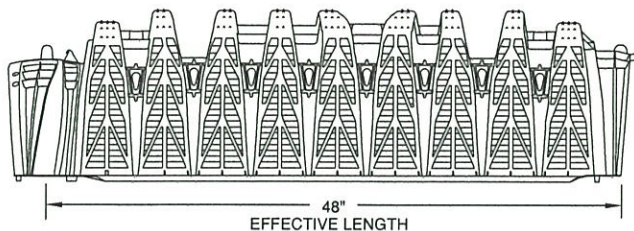
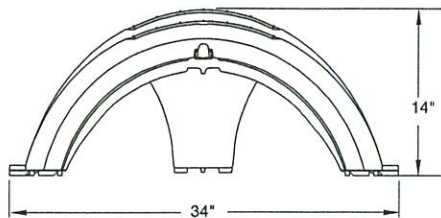
- Allows for raised invert installations
- 180° directional inletting
- 12" raised invert is ideal for serial applications

APPROVED in _____

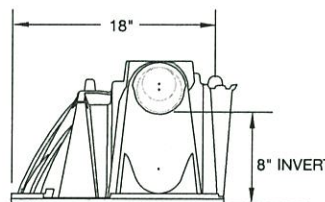
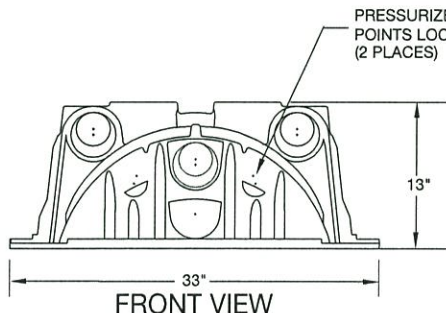
Certified by the International
Association of Plumbing
and Mechanical
Officials (IAPMO)



Quick4 Plus High Capacity Chamber

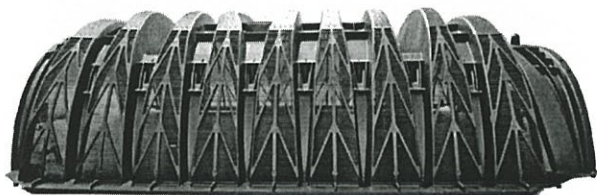
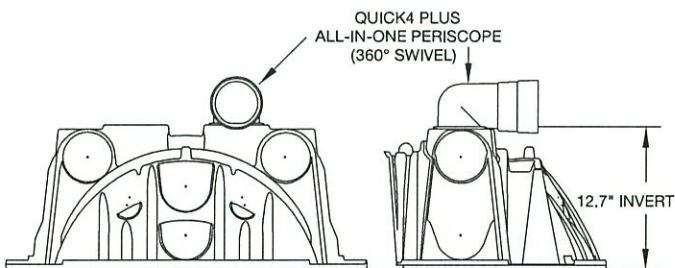


Quick4 Plus All-in-One 12 Endcap



SIDE VIEW

Quick4 Plus All-in-One Periscope



INFILTRATOR WATER TECHNOLOGIES STANDARD LIMITED WARRANTY

(a) The structural integrity of each chamber, endcap and other accessory manufactured by Infiltrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator's instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date that the septic permit is issued for the septic system containing the Units; provided, however, that if a septic permit is not required by applicable law, the warranty period will begin upon the date that installation of the septic system commences. To exercise its warranty rights, Holder must notify Infiltrator in writing at its Corporate Headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect. Infiltrator will supply replacement Units for Units determined by Infiltrator to be covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b) THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE

(c) This Limited Warranty shall be void if any part of the chamber system is manufactured by anyone other than Infiltrator. The Limited Warranty does not extend to incidental, consequential, special or indirect damages. Infiltrator shall not be liable for penalties or liquidated damages, including loss of production and profits, labor and materials, overhead costs, or other losses or expenses incurred by the Holder or any third party. Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units; the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper materials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper sizing, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder fails to comply with all of the terms set forth in this Limited Warranty. Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units, or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change or extend this Limited Warranty. No warranty applies to any party other than the original Holder.

The above represents the Standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's Corporate Headquarters in Old Saybrook, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.



4 Business Park Road
P.O. Box 768
Old Saybrook, CT 06475
860-577-7000 • Fax 860-577-7001
1-800-221-4436
www.infiltratorwater.com

U.S. Patents: 4,759,661; 5,017,041; 5,156,488; 5,336,017; 5,401,116; 5,401,459; 5,511,903; 5,716,163; 5,588,778; 5,839,844 Canadian Patents: 1,329,959; 2,004,564 Other patents pending. Infiltrator, Equalizer, Quick4, and SideWinder are registered trademarks of Infiltrator Water Technologies. Infiltrator is a registered trademark in France. Infiltrator Water Technologies is a registered trademark in Mexico. Contour, MicroLeaching, PolyTuff, ChamberSpacer, MultiPort, PosiLock, QuickCut, QuickPlay, SnapLock and StraightLock are trademarks of Infiltrator Water Technologies. PolyLok is a trademark of PolyLok, Inc. TUF-TITE is a registered trademark of TUF-TITE, INC. Ultra-Rib is a trademark of IPEX Inc.

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PLUS10 0713

Contact Infiltrator Water Technologies' Technical Services Department for assistance at 1-800-221-4436



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

- DATE ACTION WAS TAKEN: year: _____ month: _____
- ACTION TAKEN (see instructions, only use one code): _____
- WAS A PUBLIC HEARING HELD (check one)? yes no
- 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

- TOWN IN WHICH THE ACTION IS OCCURRING (print name): East Hampton
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)): _____
- LOCATION (see instructions for information): USGS quad name: Middle Haddam or number: 68
subregional drainage basin number: 4709
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): David Bengston
- NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): 82 Spellman Point Road
briefly describe the action/project/activity (check and print information): temporary permanent description: Demolition & Construction of a Single-Family Residence
- ACTIVITY PURPOSE CODE (see instructions, only use one code): A
- ACTIVITY TYPE CODE(S) (see instructions for codes): 12
- WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):
wetlands: 0 acres open water body: 0 acres stream: 0 linear feet
- UPLAND AREA ALTERED (must provide acres): 0.11 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): 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