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AUG 23 2022

Planning & Development
Town of Waterford, CT

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: 8/23/2022

Received By: _____

Application Number: C-22-10

1. Applicant: Town of Waterford

Phone: 860-444-5813

Address: 15 Rope Ferry Road, Waterford

State: CT

Zip: 06385

Fax: _____

E-Mail: firstsel@waterfordct.org

2. Owner: Same as Applicant

Phone: _____

Address: _____

State: _____

Zip: _____

Fax: _____

E-Mail: _____

3. Agent: Kent + Frost Landscape Architecture, LLC

Phone: 860-572-0784

Address: 1 High Street Mystic

State: CT

Zip: 06355

Fax: _____

E-Mail: cfrost@kentfrost.com

4. Property Address: 184 Boston Post Road

5. Abutting Property Owners – Complete Attached Form

6. Activity to be Reviewed and / or Licensed (attach sheet if necessary):

See attached for a description

7. Description of Proposed Activity (attach sheet if necessary):

See attached for a description

8. Purpose of Activity (attach sheet if necessary): See attached for a description

9a. Acreage of Property: 10.88

9b. Acreage of Wetlands: 2.96

9c. Acreage of Wetlands Altered: 0.21 Permanent; 0.85 Temporary; 1.45 Pond

10. Wetland Mitigation Proposed: See attached.

11. 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)

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: Robert J. Brule

Robert J. Brule

Date: 8/23/2022

Owner: Robert J. Brule

Robert J. Brule

Date: 8/23/2022

Agent: Chad Frost

Chad Frost, Kent + Frost LLC

Date: 8/23/2022



WATERFORD CIVIC TRIANGLE
UNIVERSAL ACCESS IMPROVEMENTS
184 BOSTON POST ROAD, WATERFORD, CT

APPLICATION FOR INLAND WETLAND/WATERCOURSE PERMIT SUPPLEMENTAL NARRATIVE

DETAILED DESCRIPTION OF PROPOSED ACTIVITY

The Town of Waterford is proposing to construct Universally Accessible Pathways and install Water Quality Improvements at the Civic Triangle site located at 184 Boston Post Road in Waterford, CT. The subject parcel is approximately 10.9 acres and is identified as Map 133 Lot 588 on Tax Assessor's mapping.

The proposed Universal Access and Water Quality Improvements consist of the following:

- Selective Clearing and Grubbing.
- Construction of a Sediment Forebay at the north end of the existing Pond to collect and treat stormwater discharge.
- Dredging of man-made Pond to remove sediment, increase average depth, and improve water quality.
- Construction of Universally Accessible Walk Paths Around the perimeter of the Pond interconnecting existing pedestrian sidewalks and paths to the south and north.
- Construction of Universally Accessible Boardwalk along the east side of the Pond with Interpretative Environmental Signage.
- Installation of Native Wetland Plantings in and adjacent to Pond
- Installation of Native Trees, Shrubs, Plantings and Seed Mixes in Upland Areas adjacent to Pond.
- Installation of Streetscape Trees and Plantings along Rope Ferry Road.
- Streetscape and pedestrian path lighting.
- Temporary erosion and sedimentation control measures.

PURPOSE OF PROPOSED ACTIVITY

The purpose of the proposed activity is to improve the water quality of the existing Pond resource, enhance native wetland and upland plantings, provide an environmental educational resource, and improve universal access to and throughout the public park.

DESCRIPTION OF REGULATED AREA & ACTIVITIES

Inland wetlands and watercourses are located in the southern half of the site were field delineated by R. Richard Snarski, Registered Profession Soil Scientist, Professional Wetland Scientist #1391. In total, 2.96 acres of the site are inland wetlands of which approximately 1.44 acres are open water associated with the Pond.

Proposed activities within regulated areas depicted and described on Sheet L-5.5 of the plan set submitted as part of the application. The Wetlands Impact Table is provided below:

WETLANDS IMPACT TABLE				
TEMPORARY DISTURBANCE - Total 37,013 SF (0.85A)				
LOCATION	AREA SF (A)	DURATION	DESCRIPTION	Mitigation
T1	8,249 SF (0.19 A)	Through Const.	Temporary sediment stockpile & construction access	Restore to previous lawn condition with hydroseeded turf
T2	5,418 SF (0.12 A)	2-3 Weeks	Dredge access	Habitat creation with wet meadow plantings
T3	2,327 SF (0.05 A)	1-2 Weeks	Boardwalk Construction, construction matting	None required, existing vegetation to re-establish
T4	269 SF (0.006 A)	2-3 Weeks	Dredge access	Habitat creation with wet meadow plantings
T5	1,425 SF (0.03 A)	1-2 Weeks	Sediment forebay construction access	Habitat creation with wet edge plantings, turf restoration with hydroseeded turf
T6	2,594 SF (0.06 A)	2-3 Weeks	Dredge access, muck dewatering	Restore to previous lawn condition with hydroseeded turf
T7	16,660 SF (0.38 A)	1-2 Weeks	Removal of trees & stumps, surface prep for turf restoration	Restore to previous lawn condition with hydroseeded turf
T8	71 SF (0.002 A)	1-2 Weeks	Sheet flow from dewatering sediment basin	Habitat creation with wet edge plantings, turf restoration with hydroseeded turf
TEMPORARY POND DREDGING DISTURBANCE - Total 63,151 SF (1.45 A)				
TP1	63,151SF (1.45 A)	1-2 Weeks	Pond dredging	Habitat creation, wetland plantings
PERMANENT DISTURBANCE - Total 8,989 SF (0.21 A)				
P1	2,468 SF (0.06 A)	NA	Walkway, plaza w/ walls, minor grading, fill to meet boardwalk	Existing lawn area
P2	20 SF (0.0005 A)	NA	Boardwalk helical piles - 102 @ Ø 6in = 0.196 sf	
P3	1,695 SF (0.04 A)	NA	Enlarge pond	open water creation
P4	2,185 SF (0.05 A)	NA	Walkway, minor grading, fill to meet boardwalk	Existing lawn area
P5	903 SF (0.02 A)	NA	Enhance existing sediment forebay, cut	
P6	274 SF (0.006 A)	NA	walkway, minor grading, fill	Existing lawn area
P7	160 SF (0.004 A)	NA	walkway, minor grading, fill	Existing lawn area
P8	1,284 SF (0.03 A)	NA	Walkway minor grading, fill to meet boardwalk	Existing lawn area

LIST ALTERNATIVES CONSIDERED

1. NO IMPROVEMENT

As stated above, the purpose of the proposed activity is to improve the water quality of the existing Pond resource, enhance native wetland and upland plantings, provide an environmental educational resource, and improve universal access to and throughout the public park. The potential alternative of “no improvement” would not be a feasible or prudent alternative.

2. REDUCED SCOPE OF WORK

Most of the impacts associated with the improvements are temporary. Permanent disturbances are related to the construction of Universally Accessible paths and walks to provide suitable access for public throughout the park. Reduction would not meet the purpose of the project and is not a feasible or prudent alternative.

ENVIRONMENTAL IMPACT

The disturbance and proposed work within the regulated areas are generally temporary and work limits have been minimized to the greatest extent possible. The completed project will improve the quality of the environmental resources on site, therefore there are no prudent or feasible alternatives that would reduce the environmental impact of the project. The site has been designed to minimize the impact on the environment as follows:

- Areas of new impervious surfaces have been minimized to the greatest extent possible with no increase in directly connected impervious areas.
- The design incorporates Boardwalks as the walking surface when traversing sensitive areas to significantly reduce permanent disturbances.
- Existing drainage from Route 1 and the Town Hall parking areas will be collected and treated in a new Sediment Forebay prior to discharge to the Pond.
- Clearing and grubbing is minimized to maintain native vegetation on site. Existing natural wooded buffers will be maintained along the inland wetlands as recommended by the JBWMP with the addition of native trees, shrubs, plantings, and seed mixes.
- The existing Pond will be dredged to remove sediment, increase average depth, and improve water quality.

There will be no adverse environmental impact from the project. Any potential impact of the project is related to short-duration construction activities. The potential environmental impact of these temporary disturbances will be mitigated through the proper installation and maintenance of erosion and sedimentation controls.

APPLICANT CERTIFICATIONS

- No portion of the property is located within 500-feet of the boundary of an adjoining municipality.
- No Traffic attributable to the completed project on the site will use streets within the adjoining municipality to enter or exit the site.
- No sewer or drainage from the project site will flow through and impact the sewage or drainage system within the adjoining municipality.
- No water run-off from the improved site will impact streets or other municipal or private property within the adjoining municipality.

Properties Adjacent to:
184 Boston Post Road

[illegible]