TO: MEMBERS OF THE INLAND WETLANDS AND WATERCOURSES COMMISSION

RE: VIDEOCONFERENCE MEETING – Tuesday, April 5, 2022

The Town of Trumbull Inland Wetlands and Watercourses Commission will hold a videoconference meeting on Tuesday, April 5, 2022 at 7:00 p.m

https://us06web.zoom.us/j/81148227461?pwd=Q1VScXVkNEpsRTJOdWR3QzladlDrUT09
Webinar ID: 811 4822 7461
Password: 587718
Join by telephone: (312) 626-6799 or (888) 475-4499 (Toll Free) / Webinar ID: 811 4822 7461

NEW BUSINESS
Application 22-06 Bridgeport Roman Catholic Diocesan Corp. Permit approval for driveway with associated drainage & subsurface detention system. Landscape buffers, tree planting and previously placed fill within a regulated area at 1056 Daniels Farm Road.

OLD BUSINESS
Application 22-02 Julian Gangemi Permit approval for one-story garage addition, covered front porch, expanded deck, expanded driveway and underground stormwater detention system and remove one tree within a regulated area at 29 Vixen Road.

Application 22-04 Sylvia & Roman Chrucky Permit approval to remove 9 trees within a regulated area at 5 Old Mill Road.

MINUTES
Accept meeting minutes: March 1, 2022

SCHEDULE FIELD INSPECTION(S)
INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL
APPLICATION FOR PERMIT

SECTION I

1. Location/address of property where activity is proposed: 1056 Daniels Farm Road
   Parcel Size: 30 ac, Zone: AA, Map ID: G03/03/012, Current Use: Cemetery

2. Applicant’s Name: Same as owner
   Applicant’s Address: ________________________________
   Telephone: ___________________ Cell: ( ) Email: ________________________________
   Applicant’s interest in property (Lessee, Licensee, Owner, etc.):

3. Name of Property Owner of Record: Bridgeport Roman Catholic Diocesan Corp. c/o Joe McCurdy
   Address of Owner of Record: 1060 Daniels Farm Road
   Telephone: ___________________ Cell: ( ) Email: joe.mccurdy@diobpt.org
   If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes ________________________________ to act as Agent on my behalf as
   related to this application.

   ________________________________
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities
   (use separate sheet if necessary):

   See application attachment

   ________________________________
   ________________________________
   ________________________________
   ________________________________
   ________________________________

The applicant understands that this application is to be considered complete only when all information and documents
required by the Agency have been submitted.

The undersigned warrants the truth of all statements contained here in and in all supporting documents under penalty of false
statement according to the best of his/her knowledge and belief.

Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent(s) to inspect
the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section
7.5 of the IWWC Regulations.

Applicant’s Signature: ________________________________ Date: ________________
(If not the Owner)

Owner’s Signature: ________________________________ Date: March 18, 2022

Secretary, Bridgeport Roman Catholic
Diocesan Corporation
SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: 30 ac. Zone: AA Number of Lots: N/A
2. Map ID, from assessors card: G03/012
3. Total area existing of wetlands on property: 2.16 ac.
4. Total area of Regulated area on property: 5.51 ac.
5. Wetlands area to be disturbed: 0
6. Upland Review area to be disturbed: 0.88 ac.
7. Proposed % of wetlands on the property to be disturbed: 0
8. Total area of proposed land disturbance: 2.83 ac.
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes X No
   (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes X No
    (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

<table>
<thead>
<tr>
<th>Percent of Regulated Area</th>
<th>Dominant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trees: 90</td>
<td></td>
</tr>
<tr>
<td>Shrubs:</td>
<td></td>
</tr>
<tr>
<td>Grasses, weeds, etc.: 9</td>
<td></td>
</tr>
<tr>
<td>Impervious area: &lt;1</td>
<td></td>
</tr>
</tbody>
</table>

12. Existing watercourse data and open water characteristics: (if applicable)
   a. Size of pond(s) or lake(s): N/A
   b. Stream characteristics: intermittent or permanent: N/A
   c. 100 year flood evaluation: N/A

13. Probable effect of proposal (if any) on vegetation and wildlife: None

14. Existing or proposed source(s) of water supply for the property: N/A
15. Existing or proposed method of sewage disposal for the property: N/A
16. Creation of proposed water bodies: (if yes, detailed information will be required) Yes: No: X
17. List proposed measures to protect regulated and inland wetland areas from:
   a. Erosion and sedimentation: Silt fence barrier/temporary sediment trap and w/sediment routing
18. Proposed percent of Regulated area to be covered with impermeable surface: 0
19. Material to be (check all that applies): deposited X excavated □ (if yes, complete the following)
   a. Area: 0.73 ac. Volume: 2000 cu.
   b. Physical & Chemical composition of material to be deposited: Topsoil/common fill
PROJECT DESCRIPTION

Proposed improvements are construction of 700 ft of 20 foot wide driveway with associated drainage and subsurface detention system to access approximately 2000 grave sites. Landscape buffers and tree planting are also included.

In addition, approval is being sought for a previously unpermitted activity of placement of fill within upland review areas to remain in place.
Soil Report

Date: May 2, 2021

By: Steven Danzer Ph.D.

- Soil Scientist, Senior Professional Wetland Scientist, Arborist
  - Nationally certified by the Soil Science Society of America (#353463).
  - Registered with the Society of Soil Scientists of Southern New England.
  - Certified PWS #1321 by the Society of Wetland Scientists
  - Certified Arborist by the International Society of Arboriculture (ISA) NE-7409A
  - CT Licensed Arborist DEEP S-5639

- Ph.D. in Renewable Natural Resource Studies.

Project: 1056 Daniels Farm Road; Gates of Heaven Cemetery – Parcels 03/012/000 and 03/078/000

INTRODUCTION

A wetlands investigation was performed at the above-referenced property to locate and identify any inland wetland soils or watercourses.

The purpose of this report is to document that the field work for the site investigation was conducted using professionally accepted methods and procedures. This report is intended for submission by the owner(s) of the property or their designated agent to the local municipal regulatory agency.

DEFINITIONS

The Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) define inland wetlands as land, including submerged land (except for tidal wetlands) which consist of any of the soil types designated by the National Cooperative Soil Survey as poorly drained, very poorly drained, floodplain, or alluvial.
Poorly drained and very poorly drained are soil drainage classes that are defined by specific technical criteria in the Soil Survey Manual, Ch. 3 of the USDA Natural Resources Conservation Service. Generally speaking, poorly drained soils are wet at shallow depths periodically during the growing season, or remain wet for long periods, while in very poorly drained soils water is removed from the soil so slowly that free water remains at or very near the ground surface during much of the growing season.

Floodplain refers to the land bordering a stream or river that is subject to flood stage inundation, and alluvial refers to soil deposited by concentrated running water (Soil Survey Manual, Part 629).

Watercourses are defined by the Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) to include rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private. Intermittent watercourses are a type of watercourse that typically do not flow year-round, and are specifically defined within the CT statutes by the presence of a defined permanent channel and bank, and the occurrence of two or more of the following characteristics:

a) Evidence of scour, or deposits of recent alluvium or detritus;
b) The presence of standing or flowing water for a duration longer than a particular storm incident;
c) The presence of hydrophytic vegetation.

Uplands are land areas that are not inland wetlands, watercourses, or subject to tides.

The soil series is a soil label that refers to the lowest category of the National Soil Classification System. It is used as a specification for identifying and classifying soils within a soil map unit. The descriptions are standardized by the USDA-NRCS, and contain soil properties that define and distinguish them from the other soil series.

METHODS

All soils were sampled to a depth of at least 20 inches with spade and augur unless noted otherwise during a field investigation conducted during the week of April 25, 2021. Soils were classified according to the nomenclature presented within the NRCS Web Soil Survey, with additional reference to the National Cooperative Soil Survey, and the local Soil Survey.

The wetland boundaries were marked on site with flagging tape and/or stakes (Wetland Flags 1-722) and a sketch map prepared (attached).
SITE DESCRIPTION AND DISCUSSION

Two adjoining parcels were examined. The western parcel, 30 acres, consisted of the active cemetery area with some wooded buffer around the edges. The eastern parcel, 55 acres, was predominately forested, with an unpaved road/trail running north/south in the far eastern region.

Booth Hill Brook flows southerly through the center of the forested eastern parcel. Two other watercourse systems flow southerly to their confluence with the Booth Hill Brook corridor in the southern region of the site. Numerous seeps and intermittent watercourses drain from the adjoining slopes. A forested red maple swamp with numerous depressions is located in the northwest corner of the site, on the western parcel. Of note were several long fill piles in the southern central region, north of Firehouse road. These were considered as inclusions occurring within the wetlands.

WETLAND AND WATERCOURSE SOIL MAPPING UNITS

(3) Ridgebury, Leicester, and Whitman soils, extremely stony - Booth Hill Brook, the other 2 main watercourse corridors, the intermittent watercourses, lawned wetlands around the pond in the southern region, and the forested wetland located in northwest region

The Ridgebury series consists of very deep, somewhat poorly and poorly drained soils formed in till derived mainly from granite, gneiss and schist. They are commonly shallow to a densic contact. They are nearly level to gently sloping soils in low areas in uplands. Slope ranges from 0 to 15 percent. Saturated hydraulic conductivity ranges from moderately low to high in the solum and very low to moderately low in the substratum. Mean annual temperature is about 49 degrees F. and the mean annual precipitation is about 45 inches.
TAXONOMIC CLASS: Loamy, mixed, active, acid, mesic, shallow Aeric Endoaquepts

The Leicester series consists of very deep, poorly drained loamy soils formed in friable till. They are nearly level or gently sloping soils in drainageways and low-lying positions on hills. Slope ranges from 0 to 8 percent. Permeability is moderate or moderately rapid in the surface layer and subsoil and moderate to rapid in the substratum. Mean annual temperature is about 50 degrees F., and mean annual precipitation is about 47 inches.
TAXONOMIC CLASS: Coarse-loamy, mixed, active, acid, mesic Aeric Endoaquepts

The Whitman series consists of very deep, very poorly drained soils formed in lodgement till derived mainly from granite, gneiss, and schist. They are shallow to a densic contact. These soils are nearly level or gently sloping soils in depressions and drainageways on uplands. Saturated hydraulic conductivity is moderately high or high in the solum and very low through moderately high in the substratum. Mean annual precipitation is about 45 inches (1143 millimeters) and mean annual temperature is about 49 degrees F. (9 degrees C.).
TAXONOMIC CLASS: Loamy, mixed, superactive, acid, mesic, shallow Typic Humaquepts

(17) Timakwa and Natchaug soils – Forested wetland located in northeast corner of the site, flags 1-33.
The Timakwa series consists of very deep, very poorly drained soils formed in woody and herbaceous organic materials over sandy deposits in depressions on lake plains, outwash plains, till plains, moraines, and flood plains. Saturated hydraulic conductivity is moderately high or high in the organic layers and high or very high in the sandy material. Slope ranges from 0 to 2 percent. Mean annual temperature is about 13 degrees C and the mean annual precipitation is about 1258 mm. 
TAXONOMIC CLASS: Sandy or sandy-skeletal, mixed, euic, mesic Terric Haplosaprists

The Natchaug series consists of very deep, very poorly drained soils formed in woody and herbaceous organic materials overlying loamy deposits in depressions on lake plains, outwash plains, till plains, moraines, and flood plains. Saturated hydraulic conductivity is moderately high or high in the organic layers and moderately low to high in the loamy material. Slope ranges from 0 to 2 percent. Mean annual temperature is about 9 degrees Celsius and mean annual precipitation is about 1205 millimeters. TAXONOMIC CLASS: Loamy, mixed, euic, mesic Terric Haplosaprists

LIMITATIONS
All observations and conclusions within this report are opinion and were based upon the field conditions at time of investigation and best professional judgment. Field conditions may change over time. All wetland boundary lines established by the undersigned Soil Scientist are subject to change until officially adopted by the appropriate local, state and federal regulatory agencies.

CERTIFICATION

Signed,

Steven Danzer Ph.D., Certified Professional Soil Scientist (CPSS #353463)
1056 Daniels Farm Rd., Trumbull, CT
Parcels 03/012/000 and 03/078/000

Sketch Map - not to scale
See report for methods
Steven Danzer Ph.D., Soil Scientist
Steven Danzer Ph.D. & Associates LLC
203-451-8319
www.CTWetlandsConsulting.com

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0 200 400 800 Feet
1 inch = 400 feet
Sketch Map - not to scale
See report for methods
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1 inch = 200 feet
1056 Daniels Farm Rd., Trumbull, CT
Parcels 03/012/000 and 03/078/000 - NORTH WESTERN

Sketch Map - not to scale
See report for methods
Steven Danzer Ph.D., Soil Scientist
Steven Danzer Ph.D. & Associates LLC
203-451-8319
www.CTWetlandsConsulting.com

1 inch = 200 feet
SITE IMPROVEMENTS

#1056 DANIELS FARM ROAD
PREPARED FOR
BRIDGEPORT ROMAN CATHOLIC DIOCESAN CORP.

LIST OF DRAWINGS:
L-1 LAYOUT PLAN
S-1 SITE DEVELOPMENT PLAN
S-2 SITE DEVELOPMENT PLAN
D-1 DETAIL SHEET
D-2 DETAIL SHEET
Water breaks, silt fence, haybales and other measures are to be maintained until...

The contractor is to have available at all times extra silt fence, hay bale mulch, grass...

This plan and report may be modified by the engineer based upon field conditions.

Prior to closing the site down for winter, if required, the contractor shall schedule a...

All construction methods, materials and system installations are to conform to Town of...

Land disturbance is to be kept to a minimum. There shall be no clear cutting of the...

The site is located in...

The contractor is to inspect the site daily during construction to insure the integrity of...

All erosion and sediment control measures will be constructed in accordance with the...

Erosion and sediment control devices will be installed prior to the start of clearing...

Owners:

Specifications for Roads, Bridges and Incidental Construction, Form 817, 2021 with latest...

Reference is made to the following survey titled:

Erosion and sediment control measures will be installed prior to construction whenever...

All erosion and sediment control devices will be maintained as...

Where construction activities have permanently ceased or...

Seeding or mulching shall be employed as required.

Catch basins

Catch basins...
Environmental Report

Gate of Heaven Cemetery

1056 Daniels Farm Road, Trumbull

Date: March 21, 2022

By: Steven Danzer Ph.D.

- Soil Scientist – Certified Nationally by the Soil Science Society of America (#353463).
  - Registered with the Society of Soil Scientists of Southern New England.
- Senior Professional Wetland Scientist - PWS #1321, Society of Wetland Scientists.
- Arborist - CT DEEP License S-5639; ISA Certified NE-7409A.
- Ph.D. - Renewable Natural Resource Studies.

**INTRODUCTION**

Regulated activities are proposed adjacent to several wetland areas that are located within the Gate of Heaven Cemetery property at 1056 Daniels Farm Road, Monroe, Connecticut. The regulated activities include maintaining a large fill area located within the upland review area, the clearing of vegetation, an extension of 700 LF of an existing roadway, preparation of the landscape for future burial plots, and associated drainage and subsurface detention system, all adjacent to wetlands and/or watercourses, as indicated by the plans prepared by J. Edwards & Associates LLC.

The region within the cemetery where the activities are proposed is approximately 2.8 acres. At least half of that area has been previously cleared and/or disturbed through deposition of excess fill from the excavation of graves from the other part of the
cemetery. The rest of the area where the activities are proposed is moderately wooded forest.

**Landscape Context**

The cemetery property, at time of this report, is comprised of two adjoining parcels. The western parcel, 30 acres, consists of the grassy and paved areas which constitute the current cemetery area, along with some wooded buffer around the edges. The eastern parcel, 55 acres, is predominately forested, and contains an unpaved road/trail running north/south in the far eastern region, popular for recreation by neighbors and the community.

Booth Hill Brook flows southerly through the center of the eastern parcel. Two other forested watercourse systems within the eastern parcel flow southerly to their confluence with the Booth Hill Brook corridor in the southern region of the site. Numerous seeps and intermittent watercourses drain from the adjoining slopes. A forested red maple swamp with numerous depressions is located in the northwest corner of the cemetery site, on the western parcel.

Residential neighborhoods border the cemetery property on the north, south, and east sides. Daniels Farm Road is located to the west.

**Wetland Resources**

The wetlands throughout the entire 85 acre cemetery owned property were delineated by Steven Danzer Ph.D. and Associates during a field investigation conducted during the week of 4/25/21, and documented in the Soil Report dated 5/2/21. Wetland soils in proximity to the area of the proposed activities were best classified as within the Ridgebury, Leicester, and Whitman soils, extremely stony mapping unit (unit symbol 3).

There are three wetland areas within proximity to the proposed activities as indicated on the sketch map. Wetland 1 is located to the north of the proposed activities. Wetland 2 is located southwest of the proposed activities. Wetland 3 is located south of the proposed activities, at the base of the existing fill pile.

**Wetland 1**, north of the proposed activities, is best described as a loose network of shallow intermittent watercourses that converge into a single channel which drains easterly to a larger tributary, and then southerly into Booth Brook. The headwater to this system is located at the base of the wooded slope below the curb adjacent to the existing cemetery driveway.
Vegetation within Wetland 1 was in the winter dormant season at time of investigation for this report. Identifiable vegetative dominants in this area included Red Maple, Black Birch, Skunk Cabbage, and Fern species.

Japanese Barberry (and invasive) and Multiflora Rose (an invasive) were also predominant, especially along the stream channels. The density and cover of the invasive brush species along the watercourse notably increases as the intermittent watercourse flows downstream.

The existing functions and values of Wetland 1 were evaluated using the New England Army Corp Highway Methodology Descriptive Approach, as modified for application to local conditions. This methodology has been proven useful in similar projects intended for review by municipal wetland commissions, and was chosen as the most appropriate methodology for the assessment of the area due to the assessment’s descriptive emphasis. The functions and values of the system are described below, in order of most prominent to least prominent for the watercourse system.

Wetland/watercourse functions and values performed by the system include Groundwater Recharge/Discharge and Sediment/Toxicant Retention due to its location on a slope and its proximity to the existing cemetery driveway, Production Export due to the dense vegetation which can provide food for wildlife, and Wildlife Habitat due to the contiguous connection to the central watercourses and the connection to the larger wooded portions of the parcel. However it should also be noted that the intrusion of invasive species throughout the wetland area greatly limits the opportunity for native plant species to thrive and therefore limits the potential quality of the wildlife habitat.

The stream system is intermittent, and therefore unsuitable for fish. The system is inaccessible to the public and therefore has no potential for Recreation.

**Wetland 2**, southwest of the proposed activities, includes a pond, with lawned wetland soils extending to the north. There were no identifiable wetland dominants growing in the lawn area.

Wetland/watercourse functions and values performed by the system include Groundwater Recharge/Discharge, as well as a minor level of Floodflow Alteration due to the open water habitat of the pond. The pond is frequented by Geese and in all likelihood supports aggressive amphibians such as bull frogs, allowing the pond to provide some level of Wildlife Habitat function. The adjoining wetland area is maintained as lawn, and as such performs hydrologic rather than ecologic wetland functions.

The pond is accessible to the public and therefore has value for Recreation, and has potential Visual Quality value if managed accordingly.
Wetland 3, south of the proposed activities, commences below the slope of the large fill pile. The area consists of a network of hillside seeps and intermittent watercourses that drain southerly towards a larger intermittent watercourse, which then drains into the Booth Brook system off site to the southeast.

Identifiable dominant vegetation included Red Maple, Skunk Cabbage, Sedge spp., Moss spp., Japanese Stiltgrass (an invasive), Japanese Barberry (an invasive), and Multi-flora Rose (an invasive).

Off the three wetland areas in proximity to the proposed activities, this wetland system appears to be the most environmentally robust.

Wetland/watercourse functions and values performed by the system include *Wildlife Habitat* due to its proximity to the central watercourses and to the larger wooded portions of the parcel, *Groundwater Recharge/Discharge* and *Sediment/Toxicant Retention* due to its location on a slope below the large fill pile, *Production Export* due to the ample degree of vegetative cover.

Similar to Wetland 1, the intrusion of invasive species greatly limits the opportunity for native plant species to thrive and therefore potentially limits the future quality of the wetland habitat. However, this wetland system also appeared to be surficially hydrated over a wider area than Wetland 1, and likely serves as better habitat for amphibians.

The stream system within the wetland system is intermittent, and therefore unsuitable for fish. The wetland system is inaccessible to the public and therefore has no potential for *Recreation*.

**NDDB Search**

According the CT DEEP Natural Diversity Database layer on CT ECO (cteco.uconn.edu) (webpage from 3/13/21 attached at the end of this report) there are no polygons on or directly adjacent to the site that indicate the presence of any Endangered, Threatened, or Species of Special Concern. The nearest polygons are 0.9 miles to the northeast. Nor are there any polygons on or near to the site that indicates the presence of any Critical Habitat.

**Proposed Activities**

The regulated activities include maintaining a large fill area within the upland review area, the clearing of vegetation, an extension of 700 LF of an existing roadway,
preparation of the landscape for future burial plots, and associated drainage and subsurface detention system, all adjacent to wetlands and/or watercourses.

As documented earlier in the report, the area within the cemetery property where the activities are proposed is approximately 2.8 acres in size. At least half of that area has been previously cleared and/or disturbed through deposition of excess fill from the excavation of graves from the other portion of the cemetery over the years. The rest of the area is moderately wooded forest, with mature Black Birch, mature and intermediate sized Red Maple, White oak, and intermediate and sapling sized Beech scattered throughout the both the wooded undisturbed north and southwestern areas and the moderately disturbed wooded northeastern portion of the area. Japanese Barberry, Multiflora Rose, and Euonymus comprise the woody understory throughout the wooded portions of the site. All of this vegetation will be removed.

The applicant is requesting to maintain the fill area, in order to accommodate the expansion of area for burial plots. It is not known if the wetlands previously extended underneath any portions of the current fill pile, as the pile was too deep to probe. My understanding, in speaking with cemetery staff, is that the fill pile has been active for more than 30 years.

The steep southern and eastern slopes of the fill area are both 25-30 feet tall, while the northeastern slope of the fill area is 8-20 feet tall. The slopes are vegetated with Phragmites and a variety of other woody and herbaceous weedy species, and appear to be relatively stable, despite its location adjacent to the wetlands. Future removal of the fill would not be recommended if the goal was to mitigate erosion and sedimentation, in my opinion, since the sides are stable.

**Discussion/Analysis**

The project was reviewed to determine if there were any significant impacts to the wetland resources, pursuant to the definition of “Significant Impact Activities” contained within Section 2 of the Town of Trumbull Inland Wetland and Watercourses Regulations.

According to Section 2, “Significant Impact Activities” include activities that involve 1) deposition or removal of material; 2) substantially change the natural channel or inhibit watercourse dynamics; 3) substantially diminish the natural capacity of the wetland resources; 4) cause or potentially cause substantial turbidity, siltation or sedimentation; 5) cause substantial diminution of flow or groundwater levels to the wetland resources; 6) cause or potentially cause pollution; and 7) damage or destroys unique, scientifically or educationally valuable wetland areas.
As per the above definition, the project will not cause significant impacts to the wetlands (as per the boundary delineated in April 2021) for the following reasons:

- There is no work being proposed in the wetlands (as per the boundary delineated in 2021).

- The wetlands are located lower in the landscape from the proposed activities, and are physically buffered from the primary work area by preserving at least 50 feet of wooded buffer along most of the edge of the wetlands.

- Wetland 2 (the pond and lawn) will also be physically buffered from the cemetery expansion by preserving the existing wooded ridgetop with stone wall.

- Wetland 3 (the hillside seep and intermittent watercourses) will be physically buffered from the development by the existing 25-30 foot high slope located at the edge of the fill pile.

- It should be noted that I had reviewed an earlier plan which had grading extending closer than 50 feet to the edge of Wetland 1. That site plan was improved at my recommendation to create the current site plan, which is believed to be more protective of the wetland resources due to more preservation of the wooded upland buffer than the previous alternative.

- The greatest threat to the wetland areas, in my opinion, is not the proposed development but the ever increasing density of invasive vegetation (e.g. Japanese Barberry, Multi-flora Rose, and Japanese Stiltgrass) located throughout the wetland area and the wetland buffer. These invasive plants are successfully crowding out the native flora. Unfortunately, this invasive vegetation is also found throughout much of the rest of the 55 forested acres of the site, posing a major challenge for any systematic eradication.

- Erosion controls are proposed during the course of construction to prevent sedimentation towards the wetlands/watercourses.

- A detention system is proposed to collect and detain runoff generated by the impervious surfaces, intending to mitigate any stormwater impacts to the wetlands.

- The alteration of the landscape due to the proposed development is not expected to adversely impact the hydrology of the wetlands. Under existing conditions, Wetlands 1 and 2 are sustained by runoff from the already landscaped portion of the site and by seepage from the wetland buffer. Wetland 3 is sustained by seepage from the base of the fill pile. None of these sources of hydration will be significantly altered by the proposed activities.
• By locating the cemetery expansion over areas which have already been highly disturbed, intrusion into forest has been minimized. It is logical to site the cemetery expansion to a region that has already been disturbed and partially filled, rather than intruding into the other more pristine forested regions of the property.

• Locating the expansion in any other forested area would also likely necessitate a crossing over one of the main wetland corridors.

• As discussed in an earlier section, the slopes of the existing fill pile appear to be stable. Removal would require an immense amount of disturbance and would not be recommended if the goal was to mitigate erosion and sedimentation.

With all those above considerations in mind, it is my opinion that there will be no significant impacts to the wetlands or watercourses, nor will there be any significant negative alteration to the existing wetland functions or values.

Thank you for the opportunity to comment.

Respectfully submitted,
Signed,

Steven Danzer Ph.D.

Professional Wetland Scientist, Soil Scientist, Arborist,
Ph.D. in Renewable Natural Resource Studies

Attachments:
Site Maps
Appendix A. NDDB - CT ECO
Appendix B. Photos
This map is intended for general planning, management, education, and research purposes only. Data shown on this map may not be complete or current. The data shown may have been compiled at different times and at different map scales, which may not match the scale at which the data is shown on this map.
Appendix B.
Gate of Heaven Cemetery Photos

Photo 1. Upland interior of site: Disturbed area/region of existing deep fill where the bulk of the proposed development will occur. Looking east. 3/14/22.
Photo 2. **Upland interior of site:** Disturbed area/area of shallow existing fill interspersed between trees. Looking south from vicinity of Wetland 1. **3/14/22.**
Photo 3. Wetland 1: Shallow network of intermittent watercourses draining easterly, looking northeast. 3/18/22.
Photo 4. **Edge of fill pile**: Northeastern edge of fill, opposite of wetland 1, looking south. The slope is 8-20 feet tall. **3/18/22.**
Photo 5. **Lower segment of wetland/watercourse 1:** Opposite direction of Photo 4 (fill pile edge), looking north. Note the density and cover of invasive woody species along wetland corridor. *3/18/22.*
Photo 6. **Wooded upland buffer to Wetland 1 to be preserved.** Looking south from the most western edge of the wetland corridor (near the road). 3/18/22.
Photo 7. Wetland 2: Pond, with lawn over wetland soils extending to foreground. Looking south. 3/18/22.
Photo 8. **Wetland 3:** Network of hillside seeps and intermittent watercourses that drain southerly. Note the density and cover of woody invasives. Looking east, fill slope is to the north (left of photo). 3/18/22.
Photo 9. Edge of fill pile: southern edge of fill, opposite of wetland 3, looking north. The slope is 25-30 feet tall. 3/18/22.
INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL
APPLICATION FOR PERMIT

SECTION I

1. Location/address of property where activity is proposed: 29 ViXen Rd. Trumbull, CT 06611
   Parcel Size: 1 acre Zone: AAA Map ID: B105/0006/000 Current Use: Single Family Residence

2. Applicant’s Name: Julian Gangemi
   Applicant’s Address: 29 Vixen Rd. Trumbull, CT 06611
   Telephone: ___________________ Cell: 203 395-5719 Email: Julianm3@gmail.com
   Applicant’s Interest in property (Lessee, Licensee, Owner, etc.): Owner

3. Name of Property Owner of Record: Julian Gangemi
   Address of Owner of Record: 29 Vixen Rd. Trumbull, CT 06611
   Telephone: ___________________ Cell: 203 395-5719 Email: Julianm3@gmail.com
   If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes ___________________ to act as Agent on my behalf related to this application.
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities
   (use separate sheet if necessary):
   New one-story garage addition, covered front porch, expanded deck, expanded driveway, and underground stormwater detention system in upland area & remove 30” tree

The applicant understands that this application is to be considered complete only when all information and documents
required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false
statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent(s) to inspect
the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section
7.5 of the IWWC Regulations.

Applicant’s Signature: ___________________ Date: 02/10/2022
(If not the Owner)

Owner’s Signature: ___________________ Date: 02/10/2022
**SECTION II**

**SITE PLAN REQUIREMENTS**

1. Total property area: 44,000 sqft  Zone: AAA  Number of Lots: 1
2. Map ID, from assessors card: B/05/00062/000
3. Total area existing of wetlands on property: 0 sqft
4. Total area of Regulated area on property: 25,400 sqft
5. Wetlands area to be disturbed: 0 sqft
6. Upland Review area to be disturbed: 1500 sqft
7. Proposed % of wetlands on the property to be disturbed: 0%
8. Total area of proposed land disturbance: 1500 sqft
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes [X] No  (If yes, see Section 8.2 of the Trumbull Inland Wetlands & Watercourses Regulations.)
10. Is any portion of the site located within a water company watershed: Yes [X] No  (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

<table>
<thead>
<tr>
<th>Percent of Regulated Area</th>
<th>Dominant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trees: 49%</td>
<td></td>
</tr>
<tr>
<td>Shrubs:</td>
<td></td>
</tr>
<tr>
<td>Grasses, weeds, etc: 37%</td>
<td></td>
</tr>
<tr>
<td>Impervious area: 14%</td>
<td></td>
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</tbody>
</table>

12. Existing watercourse data and open water characteristics: (if applicable)
   a. Size of pond(s) or lake(s): N/A
   b. Stream characteristics: intermittent or permanent: Intermittent
   c. 100 year flood evaluation: N/A

13. Probable effect of proposal (if any) on vegetation and wildlife: Minimal

14. Existing or proposed source(s) of water supply for the property:

15. Existing or proposed method of sewage disposal for the property: Septic

16. Creation of proposed water bodies (if yes, detailed information will be required): Yes:  No: [X]

17. List proposed measures to protect regulated and inland wetland areas from:
   a. Erosion and sedimentation: Silt fences as required

18. Proposed percent of Regulated area to be covered with impermeable surface: ~3%

19. Material to be (check all that applies): deposited [X] excavated [X] (if yes, complete the following):
   a. Area:  Volume:
   b. Physical & Chemical composition of material to be deposited: 6" PVC pipes and
1. All work shall conform to the Town of Trumbull Standards and Specifications or in the absence thereof to the State of Connecticut Department of Transportation Form CD-8 (2018 Edition).

2. If any change to the design or construction of any improvement is required due to unforeseen conditions, such change shall be at the sole discretion of the owner, and the contractor shall be compensated for additional work required as a result of such change.

3. Prior to construction, contractor shall field verify all existing site conditions and shall notify the owner of any changes or discrepancies.

4. The contractor shall provide all necessary labor, equipment, and materials for the performance of the work in accordance with the specifications and plans. All work shall be performed in a neat, professional manner.

5. The contractor shall contact "Call Before You Dig" locating service at 1-(800)-922-4455 at least seventy-two (72) hours prior to the start of construction to have all utilities located.

6. Survey and engineering description shall be based upon a common datum and shall be in accordance with the specifications.

7. All deviations on the project are based on Town of Trumbull G.L. mapping except to data collection plan, note #1.

8. All work shall be completed by Martin Henry Associates by January 20, 2022 and field located by January 25, 2022.

9. The location plan is subject to public water and a subsurface sewage disposal system.

10. The existing dwelling is served by public water and a subsurface sewage disposal system. Perform inspections and maintenance in order to keep the stormwater structures operating at their peak performance required for this site. This maintenance plan provides recommendations for intervals of stormwater structure inspections and maintenance to maintain the peak performance.

11. The stormwater structures need regularly scheduled maintenance and inspections to maintain the peak performance. The land is transferred.

12. The contractor is designated as site monitor and is responsible for implementing this erosion and sediment control plan.

13. All erosion and sediment control measures shall be constructed in accordance with the standards and specifications of the Connecticut Department of Environmental Protection (DEP).

14. All land disturbance shall be kept to a minimum and restabilization of any disturbed areas shall be maintained by cleaning out sediments and debris, every ten months.

15. All control structures shall be inspected and cleaned periodically. All sediment removed from the stormwater structures.

16. All control structures shall be maintained by cleaning out sediments and debris, every ten months.

17. All sediment control features shall be designed in accordance with the recommendations and recommendations for soil erosion and sediment control.

18. All work shall be completed by Martin Henry Associates and field located by January 25, 2022.

19. The contractor shall notify the Inland Wetlands Commission of any transfer of this property.

20. The contractor shall keep all public roadways clean and clear of all mud during construction.

21. The contractor shall notify the engineer at no additional cost to the owner.

22. The contractor shall be fully responsible for any and all damages which might be caused by the contractor's failure to comply with the terms of the contract.

23. The contractor shall be fully responsible for any and all damages which might be caused by the contractor's failure to comply with the terms of the contract.

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INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL
APPLICATION FOR PERMIT

SECTION I

1. Location/address of property where activity is proposed: 5 OLD MILL RD, TRUMBULL
Parcel Size: 4.11 Acres Zone: A Map ID: G0800137000 Current Use: SF RESIDENCE CT.

2. Applicant’s Name: SYLVIA & ROMAN CHRUCKY
Applicant’s Address: 5 OLD MILL RD, TRUMBULL CT 06611
Telephone: 203-268-1644 Cell: ( ) Email: LALILLYCT@GMAIL.COM
Applicant’s interest in property (Lessee, Licensee, Owner, etc.): OWNER

3. Name of Property Owner of Record: SYLVIA & ROMAN CHRUCKY
Address of Owner of Record: 5 OLD MILL RD, TRUMBULL CT 06611
Telephone: 203-268-1644 Cell: ( ) Email: LALILLYCT@GMAIL.COM
If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes ___________________________ to act as Agent on my behalf as related to this application.

(Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):
CUT DOWN A TOTAL OF 9 TREES IN WETLANDS AND REMOVE NO ROOTS
CUT DOWN 4 DEAD OR DYING TREES NEXT TO THE RIVER
CUT DOWN THE SICAMORE TREE IN 1/3 THAT ARE IN DANGER OF FALLING YEARLY, DANGEROUS FOR PEOPLE DRIVING IN & OUT AS WELL AS WALKERS IN & OUT OF THE CEMETERY

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent(s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant’s Signature: ___________________________ Date: 2.11.22
(If not the Owner)
Owner’s Signature: ___________________________ Date: 2.11.22
# Section II
## Site Plan Requirements

1. Total property area: \( 4.1 \text{AC} \)  
   Zone: A  
   Number of Lots: 1

2. Map ID, from assessors card: GO800137000

3. Total area existing of wetlands on property: 6,000 SF.

4. Total area of Regulated area on property: 141,500 SF.

5. Wetlands area to be disturbed: O - NO ROOTS TO BE REMOVED

6. Upland Review area to be disturbed: O

7. Proposed % of wetlands on the property to be disturbed: O

8. Total area of proposed land disturbance: O

9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes ___ No V  
   (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)

10. Is any portion of the site located within a water company watershed: Yes ___ No V  
    (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)

11. Existing property coverage type data:

<table>
<thead>
<tr>
<th>Percent of Regulated Area</th>
<th>Dominant Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trees: 85%+</td>
<td></td>
</tr>
<tr>
<td>Shrubs: 16%+</td>
<td></td>
</tr>
<tr>
<td>Grasses, weeds, etc: 10%+</td>
<td></td>
</tr>
<tr>
<td>Impervious area: 4%+</td>
<td></td>
</tr>
</tbody>
</table>

12. Existing watercourse data and open water characteristics: (if applicable)

   a. Size of pond(s) or lake(s): NA
   b. Stream characteristics: intermittent or permanent: PERQUANIC RIVER
   c. 100 year flood evaluation: 112 ft.

13. Probable effect of proposal (if any) on vegetation and wildlife: NONE

14. Existing or proposed source(s) of water supply for the property: AQUARIUM

15. Existing or proposed method of sewage disposal for the property: WPCA

16. Creation of proposed water bodies (if yes, detailed information will be required): Yes: V

17. List proposed measures to protect regulated and inland wetland areas from:

   a. Erosion and sedimentation: PROPOSED

18. Proposed percent of Regulated area to be covered with impermeable surface: 0

19. Material to be (check all that applies): deposited □ excavated □ (if yes, complete the following):

   a. Area: □  
      Volume: □

   b. Physical & Chemical composition of material to be deposited: □
This Map is for reference purposes. The town of Trumbull, CT makes no representation or guarantee as to the content, accuracy, timeliness, or completeness of any information provided herein.
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