INLAND WETLANDS AGENCY
REGULAR MEETING AGENDA
MONDAY, MAY 9, 2022, 7:00 P.M.

IN-PERSON ATTENDANCE: TOWN HALL ANNEX, 57 MAIN STREET, ELLINGTON, CT
REMOTE ATTENDANCE: VIA ZOOM MEETING, INSTRUCTIONS PROVIDED BELOW

I. CALL TO ORDER

II. PUBLIC COMMENTS (on non-agenda items):

III. PUBLIC HEARING(S):
1. IW202110 - Juliano Family One LLC, owner/ Brian Juliano, applicant, request for modification to Wetlands Permit IW202110 to construct a detention basin and outside storage area at 100 Windermere Ave., APN 018-021-0000. (Opening of hearing to be tabled to June 13, 2022)

2. IW202204 - Apostolic Christian Church of Ellington, Inc., owner/applicant, request for a permit to conduct regulated activity to construct a 16,000 SF fellowship hall and associated site improvements at 34 Middle Butcher Road, APN 028-023-0000.

IV. OLD BUSINESS: None

V. NEW BUSINESS:
1. IW202206 - Town of Ellington, owner/ Ad Hoc Ellington Trails Committee, applicant, request for acceptance to maintain trails and install four bridges as permitted nonregulated uses on Ellington Highlands Subdivision open space parcel on Stein Road, APN 037-005-0082.

2. Kimberly Schneider, owner/ David Schneider, applicant, request for a permit to conduct regulated activity to construct an in-ground pool, patio, pool shed, retaining wall and associated site work at 90A Ellington Ave, APN 029-049-0001. (Request to delegate authority to the wetlands agent)

3. IW202205 - Ellington McIntire, LLC, owner/applicant, request for a permit to conduct regulated activity to construct a single family home and site improvements associated with a 2-lot subdivision at 153 Webster Road, APN 185-001-0000. (receipt only)

VI. ADMINISTRATIVE BUSINESS:
1. Approval of the April 11, 2022 Regular Meeting Minutes.
2. Election of Officers.
3. Correspondence/Discussion:

VII. ADJOURNMENT:

Next Regular Meeting is scheduled for June 13, 2022

Instructions to attend remotely via Zoom Meeting listed below. The agenda is posted on the Town of Ellington webpage (www.ellington-ct.gov) under Agenda & Minutes, Inland Wetlands Agency.

Join Zoom Meeting via link: https://us06web.zoom.us/j/81171019534
Meeting ID: 811 7101 9534
Passcode: 886090

Join Zoom Meeting by phone:
+1 646 558 8656 US (New York)
Meeting ID: 811 7101 9534
Passcode: 886090

COMMISSIONERS: TO ASSIST IN ESTABLISHING QUORUMS REQUIRED TO CONDUCT MEETINGS, PLEASE CONTACT THE PLANNING DEPARTMENT IF YOU ARE UNABLE TO ATTEND A SCHEDULED MEETING.
Town of Ellington
Inland Wetlands and Watercourses Agency
Application

<table>
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<th>Application #</th>
<th>Date Submitted</th>
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| Notices associated with this application will be sent to the applicant unless otherwise requested. |

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<tr>
<th>Owner's Information</th>
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<tr>
<td>Name: Thomas Gerber</td>
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<tr>
<td>Mailing Address: 34 Middle Butcher Road, Ellington, CT 06029</td>
</tr>
<tr>
<td>Email: <a href="mailto:thomas.e.gerber@gmail.com">thomas.e.gerber@gmail.com</a></td>
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<td>☐ Yes ☑ No</td>
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| Primary Contact Phone #: Thomas Gerber (860) 878-8767 |

| Secondary Contact Phone #: Peter Wetti (860) 836-4416 |

| Owner's Signature: [Signature] Date: 3/14/2022 |

By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted. Moreover, by signing above I expressly provide written consent to the filing of the application and access to the site by the Agency or its staff.

| Notices associated with this application will be sent to the applicant unless otherwise requested. |

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<th>Applicant's Information (if different than owner)</th>
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| Primary Contact Phone #: |

| Secondary Contact Phone #: |

| Applicant's Signature: [Signature] Date: |

By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted.

| Street Address: 34 Middle Butcher Road, #4164 |

| Assessor's Parcel Number (APN): 028 - 023 - 0000 |

| Proposed upland review area affected in square feet: 16,650 s.f. |

| Proposed wetlands/watercourses on parcel in square feet or acres: 200 s.f./26 l.f. |

| Total area of wetlands/watercourses affected in square feet and linear feet (as applicable): 200 s.f./26 l.f. |

| Public Water: ☑ Yes ☐ No |
| Public Sewer: ☑ Yes ☐ No |

If not served by public water and sewer, applicant shall make application to North Central District Health Department (Enfield Office) if required.

| Is the project in a public water supply watershed area? ☐ Yes ☑ No |

If YES, applicant is required to notify the Connecticut Water Company and Commissioner of Public Health by certified mail, return receipt within 7 days of this application (Conn. Gen. Stat. Sec. 22a-42). Copy of application, plans, and supporting documents must accompany notice. Applicant can email the Commissioner of Public Health using their approved form. Proof of notice (return receipt and sent email) must be provided to the Planning Department.

| Describe the nature of proposed regulated activity, request for acceptance of a permitted use as of right or a nonregulated use, map or regulation amendment, or other activity requiring review by the Agency or its Agent: |

See attached Application Checklist and Appendix D for guidance when preparing application.

The regulated activity is a proposed independent fellowship hall building to be built behind the existing church building on the site of the demolished Longview Village building. The hall will serve the current church community and will utilize the existing parking lot. The drainage system of the demolished building and parking lot is intact with three outfalls extending north towards Turkey Brook. No additional outfalls will be built. The amount of impervious surfaces on the site is proposed to be less than the condition prior to demolition.
March 22, 2022

Town of Ellington
55 Main Street
Ellington, CT 06029

RE: Development Narrative
Fellowship Hall – Apostolic Christian Church
34 Middle Butcher Road

Dear Commission Members:

Attached please find the application and associated plan set for the above proposed site plan. Following is a development narrative that provides detail additional to the application and plans.

The site is located at 34 Middle Butcher Road, bordered by the road on the south, Ellington Middle School on the west, private residences to the east and Turkey Brook to the north. The church building is located near the road, with parking lots in front and behind the building. At the rear of the site, there was formally a housing complex that the church utilized for some of their members, which was serviced by utilities directly from the road, that wrapped around the west side of the church building. The housing and associated paved areas have been demolished and that area is now grass. Google Earth photos from 2018 and 2021 are shown below for context.

2018 Aerial

2021 Aerial
The site is zoned R-Residential and consists of approximately 16 acres, two (2) of which will be disturbed to construct a new 16,000 square foot fellowship hall, with associated patio/gathering areas, drives, parking, utilities, and other amenities.

A new fellowship hall is being placed in the location of the previous housing building. It will primarily be used by church members for the following:

- Expand on the church’s ability to host member’s wedding (and other) ceremonies.
- Expand on the church’s ability to expand their community programs (clothing distribution, meals on wheels, etc.)
- Expand the church’s abilities for their members to congregate and have fellowship after church.

**Wetlands**

Wetlands were flagged by MBI, Inc. and his wetlands delineation report is attached to this narrative. The site was designed to achieve the programmatic requirements in a way that minimized impacts to the functions and values of the wetlands. The project proposes a disturbance of approximately 16,600 sf of upland review area. The majority of the upland review area that is to be disturbed consists of previously developed portions of the site, in the location of the historic residential structure. The proposed disturbance stops at the top of the embankment to Turkey Brook.

The only direct disturbance of wetlands consists of the repair of the three (3) existing outlet discharge pipes, which are all located within the limit of wetlands. They are all damaged and/or causing erosion to the brook so the work within the wetlands is being proposed specifically to enhance and protect Turkey Brook. We anticipate approximately 200 sf of direct wetlands disturbance.

The work within the wetlands will mainly consist of the following:

- Removal of existing damaged pipe.
- Placement of new culvert ends to the existing pipe.
- Placement of rip rap outlet protection to dissipate the energy from the outlet discharge, thereby reducing erosion into Turkey Brook.

We anticipate that the work will be done by hand, where feasible, and with a backhoe or a small crane to place the culvert ends (and possibly the rip rap), so that machinery does not need to access the existing undisturbed slope.

**Lot Layout and Use**

Specific features of the site design include the following:

- Drop-off area in the front of the facility for the bride/groom, as well as elderly and handicap people.
- Drop-off area on the east side for food drop. Typically, the lunch fellowship after church is a potluck and members drop off the food. The drop area is situated at a loading dock for efficient drop/pick-up.
- Dumpster location near the drop turn-around.
- Site walking trails that connect to an existing trail system to the river area to the north.
- Outdoor patio/gathering/grilling areas on the east and west side of the facility.
- Landforms, landscaping, and amenities to beautify the site.
• A terraced system of small retaining walls on the southwest side that can be used for outdoor gathering, teen devotionals, etc.
• Rear access to the basement to facilitate the ability for dop-off/pick-up of bulky items that can be distributed to the community.

The project is in conformance with all applicable bulk and dimensional requirements of the zoning regulations.

Alternatives

The program being proposed is the minimum required to meet the needs of the congregation. Alternatives that have been contemplated with this development include the following:

• No Build – this was not an option as it does not meet the needs of the congregation.
• No repair to the outlet pipes – this was done at the request of the Town Engineer.

Utilities

Public water, sanitary, natural gas and primary power are available in Middle Butcher Road and will be served as follows:

• Water – there is an existing 4” ductile iron pipe lateral connection from the ROW that wraps around the west side of the building. The pipe has been preserved and is capped. New domestic service will connect to this existing lateral.
• Fire Protection – a new 4” dedicated fire protection lateral will be run from the existing water main to the building.
• Sanitary Sewer – there is an existing sewer lateral connection from the ROW that wraps around the west side of the building. The pipe and an SMH has been preserved. New services will connect to this existing SMH, and grease removal (from the kitchen) will be provided either with an exterior grease trap.
• A new natural gas lateral is being brought to the building from the existing main in Middle Butcher Road.
• Power/Communications – we anticipate these will be pulled off existing utility poles that are in a CL&P easement on the eastern portion of the property.

Stormwater

This portion of the property is situated within one (1) subwatershed, that discharges north to Turkey Brook via three (3) existing discharge pipes. The existing imperviousness is being reduced; therefore, peak flows are being maintained. Four (3) new dry wells are being implemented as part of the stormwater management system, that will capture and infiltrate all stormwater discharge generated from the new construction. The larger rain events will overflow out of the dry wells through the existing discharge locations.

The three (3) discharge outlets were observed, and each noted to be damaged and/or causing erosion. A specific solution has been designed for each of the outlets that includes items such as new culvert ends, reconstruction of pipe, and outlet rip rap protection.

Site stormwater runoff is proposed to be managed as follows:

• Short-Term Protection of Resources: During construction erosion and sediment control devices will be utilized to prevent sediment-laden water from entering the wetlands area. Erosion control has been
designed per the 2002 CT DEEP Guidelines for Soil Erosion and Sediment Control and include construction entrances, silt fence, hay bales, temporary sediment traps, and concrete washout provisions. Perimeter erosion controls will not be removed until the site is stabilized.

- Long-Term Water Quality: The largest contributor to water quality impairment is the discharge of pollutants associated with vehicular exhaust, such as sediment, pathogens, hydrocarbons, metals, and synthetic organic chemicals. All new bituminous pavement areas, subject to vehicular flow, will be designed such that stormwater runoff routes through dry wells, which will promote pollutant removal through infiltration.

A Stormwater Management Report has been prepared with describes the stormwater and erosion control design in greater detail. That has been provided to the Town Staff.

Traffic

The new program will decrease traffic from the previous use on this portion of the site as housing, for the following reasons:

- The new building will be utilized by members who are already accessing the site, and not by the public.
- The use of the new building will not be simultaneous with the regular church hours.
- The historic residential use created greater trip generation as it was an additional use to the church.

We look forward to working with the Commission to ensure a successful project that meets required town regulations.

Sincerely,

Will Walter, PE, LEED AP
Alfred Benesch & Company

Attachments Wetlands Delineation Report
January 4, 2022

Will Walter, PE, LEED AP  
Senior Project Manager  
Alfred Benesch & Company  
120 Hebron Avenue, 2nd Floor  
Glastonbury, CT 06033

RE: Wetlands Delineation Report  
Ellington Apostolic Church Community Building  
34 Middle Butcher Rd  
Ellington, CT

Dear Mr. Walter:

Martin Brogie, Inc. (MBI) is pleased to submit the following information regarding a wetland delineation performed for the above referenced property on December 8, 2021. The work was completed to evaluate the presence of wetlands within the regulated area relative to a proposed Community Building to be located in the northern portion of the site.

Site Description

The subject property consists of a 14.92-acre property occupied by a church and associated paved parking and driveway areas. Turkey Brook, a perennial watercourse, flows from east to west across the northern portion of the property. A school is located to the west of the site and residential properties border the site to the east and north, and across the street to the south.
A site location map is provided as Figure 1. An aerial view of the property is provided as Figure 2. Photographs of the wetland areas are provided as Attachment A.

**Wetland Delineation**

On December 8, 2020 MBI’s Soil Scientist Martin Brogie, LEP reported to the site to assess the presence of wetlands and watercourses/intermittent watercourses in accordance with the definitions provided in Connecticut General Statutes Section 22a-38 definitions (15) and (16) including: soil types designated as poorly drained, very poorly drained, alluvial, and floodplain by the National Cooperative Soils Survey; and, rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent. In addition, intermittent watercourses defined as having a permanent channel and bank and the occurrence of two or more of the following characteristics: evidence of scour or deposits of recent alluvium or detritus; the presence of standing or flowing water for a duration longer than a storm incident; and/or the presence of hydrophytic vegetation will be delineated.

MBI accessed the site off of a site driveway from Middle Butcher Road and surveyed the landscape around the church in the southern portion of the site for potential wetland areas. The site extended northward from the church across a paved parking area to an area of disturbed ground where a previous building stood and was removed in 2020. This area is the site of the new Community Building. Just north of this area the property slopes down to the north steeply to the banks of Turkey Brook, flowing east to west. MBI commenced the delineation at the downstream end of the onsite reach, near the northwestern portion of the site. The border was defined by the stream bank along a line determined to be the top of the eroded channel. A stormwater discharge pipe, emanating from paved areas on the site was observed along the stream bank in this area. This line continued eastward to a wooden bridge that crosses the brook and connects a walking path to the church and the north side of the brook. The area of the bridge and path was found to contains sand and gravel fill material.

Just east of the bridge the bank delineation broke off as flood plain soils including buried A horizons and sandy loam textures were identified. The delineation followed the flood plain soils further east ending at wetland flag #17.

Woody vegetation observed along Turkey Brook included Red Maple (*Acer rubra*), Black Oak (*Quercus velutina*), and Slippery Elm (*Ulmus rubra*). The shrub layer included Spice Bush (*Lindera benzoin*), Honeysuckle (*Lonicera japonica*), Multiflora Rose (*Rosa multiflora*), and Asiatic Bittersweet (*Celastrus orbiculatus Thunb.*). Herbaceous species observed include Sensitive Fern (*Onoclea sensibilis*), Christmas Fern (*Polystichum acrostichoides*) and English Ivy (*Hedera helix*).
Please contact the undersigned at 860-208-0360 if you have any questions or require further information. Thank you for the opportunity to be of service.

Sincerely,

[Signature]

Martin Brogie, LEP
Soil Scientist

w/attachments
Martin Brogie, Inc.
ENVIRONMENTAL SERVICES

28 Arbor Lane, Madison, Connecticut 06443
ph: (860) 208-0360
email: martinbrogieinc@gmail.com

Figure 1
Site Locus Map
West end of Turkey Brook looking west from southern bank.
West end of Turkey Brook looking east along southern bank.
Wooden bridge looking northwest from upstream side of bridge.
Area east of bridge looking east on to the delineated floodplain soil area.
Stormwater Management Report
Fellowship Hall - Apostolic Christian Church
34 Middle Butcher Road
Ellington, CT

PREPARED FOR
Town of Ellington
55 Main Street
Ellington, CT 06029

April 2022
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SECTION 1 - INTRODUCTION

The property is situated on approximately 15.84 acres of land at 34 Middle Butcher Road in Ellington, Connecticut. The project proposes a new gathering hall for Ellington Apostolic Christian Church in the area north of the existing church building that will be comprised of a community building, parking, sidewalks, landscaping, and other site improvements. There are wetlands found north of the proposed building location where the parcel contains a large strip on wooded area that abuts residences on Ellington Avenue. Although there is no building currently in the proposed location of construction, historically a building existed in this location (as seen in the aerial imagery below). Therefore, the existing conditions stormwater analysis will be performed as if this building is still in place.
SECTION 2 – HYDROLOGY

No hydrologic modelling was necessary for this site due to a reduction in impervious cover from existing conditions to proposed conditions and taking into consideration that the watersheds and time of concentrations were maintained.

Existing Conditions

The site slopes from south to north, a highpoint exists near the two (2) entrances/exits on Middle Butcher Road. A stormwater collection system collects all of the water south of the existing church and directs it back toward the municipal system in Middle Butcher Road, with some undisturbed flow landing on the slope west of the site and sheet flowing down to the neighboring property (Ellington Middle School). Stormwater north of the church is either collected into a drainage system and directed north, into the wetlands, or directly sheet flows into the wetlands. A small portion of this sheet flows onto the middle school property. The total existing imperviousness under existing conditions is 4.32 acres (27.3%).

NRCS soils mapping indicates a large part of the site is Urban Land, considered to be generally low permeability and classified as Hydrologic Soil Group “D.” This area is made up of the building area and parking lot areas. The wooded area and some of the parking on the north of the site are classified as Hydrologic Soil Group ‘C’.

Geotechnical borings were performed at 10 locations throughout the project area indicate that the natural soils consist of glacial moraine deposits, which are well graded sand, silt and gravel, with silt percentages ranging from 25% to 60%, which confirm the Hydrologic Soil Group “C” designation listed by NRCS. The borings also indicated the water table is evident between 8’ to 17’ below grade.

Drainage from the site is split into two (2) separate sub-watersheds:

- Sub-watershed E1: This area consists of the parking areas, sidewalks, building and some of the hill on the east side of the property. Flow from this watershed is collected in a one (1) of three (3) stormwater drainage systems and piped into the wetlands, generally flowing from south to north. Some flow over pervious surfaces directly flow into the wooded wetlands.

  The three (3) outlets were observed, and each noted to be damaged and/or causing erosion.

- Sub-watershed E2: This area consists of the hill neighboring the middle school on the west edge of the property. Flow from this watershed will not be collected in any drainage system on site and will mostly exfiltrate in the open field space on the school property.
Proposed Conditions

Under proposed conditions, the imperviousness is reduced from 4.32 acres (27.3%) to 4.21 acres (26.6%). The discharge points remain the same and a majority of the existing drainage structures and piping are to remain. The site is to still slope from south to north and all paved areas will be collected in one (1) of three (3) drainage systems that will re-use the outlet locations as seen under existing conditions. The south part of the parcel is to remain undisturbed and the drainage system associated with it (south of Apostolic Christian Church) will continue to drain to Middle Butcher Road. New structures will be added/replaced to align with the new site layout over existing pipes.

- **P1** – This watershed drains to the wetlands found north of the proposed building site and includes all of the impervious surfaces on site.

  A specific solution has been designed for the three (3) existing outlets and these can be viewed in the sheet details.

- **P2** – This watershed remains unchanged and sheet flows to the adjacent middle school.

As previously mentioned, no hydrologic analysis was performed. The watersheds, discharge points and time of concentration are unchanged and the imperviousness has decreased; therefore, the peak flows to the discharge points will not increase.

SECTION 3 – STORMWATER QUALITY

The project has been designed to address both short-term and long-term stormwater quality. Short term (during construction) treatment has been provided in the form of erosion control measures and long-term (post construction) treatment has been provided through the use of Low Impact Development principals. Erosion control has been designed per the 2002 Connecticut Erosion Control Guidelines.

**Short Term Erosion Control**

The proposed erosion and sedimentation controls consider the specific characteristics of the site and the anticipated construction activities, and have been designed in accordance with the 2002 CT DEEP Guidelines for Soil Erosion and Sediment Control, as required by Standard 3 of the LID Manual.

**Construction Entrances**

Construction entrances will be utilized to remove sediment from construction vehicle tires and prevent it from being tracked onto adjoining paved roadway areas.

**Erosion Control Barriers**

Prior to any construction activity, hay bales, silt fence, or combination hay bale/silt fence barriers will be placed at the downgradient limits of construction, adjacent Beaver Pond. These barriers will be periodically inspected and replaced as necessary. Collected silt will be removed when one-half the barrier height is reached.
**Temporary Filter Inserts**

Temporary Filter Inserts will be placed in each existing catch basin and yard drains prior to the start of construction, and in each new catch basin or yard drain during construction. These devices will be removed upon final site stabilization. Filter inserts will be inspected once every seven (7) calendar days and within 24 hours after every rainfall generating a discharge. Replacement of the inserts will be as often as necessary to maintain function of the drainage structure and prevent excessive ponding due to clogged fabric. Ripped or otherwise damaged inserts will be replaced immediately.

**Stockpile Management**

The topsoil stockpiles which will be idle for at least 30 days will be stabilized with temporary seed and mulch no later than 7 days from the last use. Small stockpiles may be covered with impervious tarps or erosion control matting in lieu of seeding and mulching.

A geotextile silt fence or hay bale barrier will be installed around the stockpile area approximately 10 feet from the proposed toe of the slope.

**Long Term Stormwater Quality**

The design intent of the 2004 Connecticut Stormwater Quality Manual is to provide a “stormwater treatment train,” where stormwater quality is achieved through a series of treatment measures. Harmful pollutants, such as sediment, pathogens, organic material, hydrocarbons, metals, synthetic organic chemicals and deicing compounds, are carried by the low-flow storms. Many of these pollutants are associated with vehicular exhaust, engine leaks and deicing, therefore key areas of on-site treatment include parking lots and access drives. Additionally, rooftops are a concern as a result of atmospheric ambient accumulation. Since pollutants typically attach themselves to solid particles, treatment practices are designed to remove suspended solids.

The treatment train for this site, which represents pretreatment, includes:

- Parking lot sweeping
- Catch basins with sumps
- Storage and infiltration of stormwater via dry wells.

Under existing conditions no treatment of stormwater is occurring. Through discussions with the Town Engineer, it was determined that infiltration should be provided where available. The renovated portions of the site have been provided with four (4) dry wells, such that stormwater that discharges from all impervious areas of the site (within the limit of work) will be captured and routed through the dry wells. The dry wells are five (5) feet in diameter, five (5) feet deep, and surrounded by crushed stone on the bottom and sides. The bottom of the dry well is above the water table and each of the dry wells will be equipped with an outlet pipe.
Maintenance and Operation

Maintenance and operation will be provided as follows.

During Construction

- Dust Control: Moisten disturbed soil areas with water periodically, or use a non-asphaltic soil tacifier to minimize dust.

- Temporary Soil Protection: Inspect seeded areas weekly and within 24 hours after a storm generating a discharge.

- Catch Basin Filter Inserts: Inspect the fabric at least once a week and within 24 hours after the end of a storm generating a discharge. Check the fabric for structural soundness (i.e. tears), proper anchoring/alignment within the grate and ability to drain runoff (i.e. percent of clogging by sediment). Remove the sediment every week, or sooner if ponding is excessive. Each time the sediment is removed, replace the section of fabric removed with a new section. Do not remove the sediment and reuse the same section of fabric.

- Hay Bale/Silt Fence Barrier: Inspect the barrier at least once a week and within 24 hours after the end of a storm generating a discharge. For dewatering operations, inspect frequently before, during and after pumping operations. Remove the sediment deposits when the depth reaches one half the barrier heights. Repair or replace a barrier within 24 hours of observed failure. Maintain the barrier until the contributing disturbed area is stabilized.

- Construction Entrance/Exit Pad: Maintain the pad in a condition that will prevent tracking and washing of sediment onto paved surfaces. Place additional clean gravel on top of gravel that has become silted, or remove the silted gravel and replace the gravel to the depth removed with clean gravel, as conditions warrant. Remove immediately all sediment spilled, dropped, washed or tracked onto paved surfaces. Roads adjacent to the construction site shall be cleaned at the end of each day by hand sweeping or sweeper truck.

- Existing Catch Basins and Sumps: Inspect the filter baskets as specified above. After final removal of the filter baskets at the end of construction, clean the sump of all silt and debris.

- New Catch Basins and Sumps: As new catch basins are constructed, a filter basket shall be installed in the unit and a sediment barrier installed around the grate. Inspect the trap and barrier weekly and within 24 hours after a storm generating a discharge. After stabilization of the drainage area entering the catch basin, remove the trap and barrier and clean the basin sump of all silt and debris.

- Temporary Stockpiles: Inspect temporary stockpiles at the end of each workday to ensure that tarps are in place and secured. Temporary stockpiles that are expected to be inactive for more than 30 days should be temporarily seeded (see above).
**After Construction**

- **Dry Wells:** Inspect on a yearly basis for accumulated sediment and debris at the bottom. If the crushed stone at the bottom is not visible, the debris shall be vacuumed out.

- **Parking Lot and Site Cleanup:** Inspect on a regular basis not to exceed weekly for litter and debris.

- **Parking Lot and Driveway Sweeping:** At least twice a year, with the first occurring as soon as possible after snowmelt and the second not less than 90 days following the first.

- **Catch Basins and Sumps:** Maintenance includes removal of trash from the grate and the sump, as well as sediment from the sump. They shall be inspected semi-annually and cleaned when the sump is one half full of sediment. One of the inspections shall be after the snow and ice removal season is over, and prior to the spring rainfall events. If the sumps is filled more than half-filled with sediment at the semi-annual inspections, they shall be inspected quarterly.

- **Landscaped Areas:** Inspect semi-annually for erosion or dying vegetation. Repair and stabilize any bare or eroded areas and replace vegetation as soon as possible.
APOSTOLIC CHRISTIAN CHURCH
34 MIDDLE BUTCHER ROAD
ELLINGTON, CONNECTICUT

INLAND WETLANDS AND WATERCOURSES COMMISSION
AND PLANNING AND ZONING COMMISSION
DRAWING SUBMISSION

APRIL 8, 2022

OWNER / APPLICANT

Apostolic Christian Church
34 Middle Butcher Road
Ellington, CT

CONSULTANTS

Civil Engineer & Landscape Architect

Architect & Electrical Engineer

LIST OF DRAWINGS

- 1 OF 23 COVER PAGE
  SURVEY
  SV.01  2 OF 23 LIMITED BOUNDARY AND TOPOGRAPHIC SURVEY

CIVIL ENGINEER & LANDSCAPE ARCHITECTURE
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  G00.2  4 OF 23 GENERAL INFORMATION
  C1.0   5 OF 23 DEMOLITION & PREPARATION & EROSION AND SEDIMENT CONTROL PLAN
  C1.1   6 OF 23 DEMOLITION & PREPARATION & EROSION AND SEDIMENT CONTROL DETAILS
  C2.0   7 OF 23 MATERIALS PLAN
  C2.0   8 OF 23 LAYOUT AND PARKING PLAN
  C4.0   9 OF 23 GRADING AND DRAINAGE PLAN
  C5.0  10 OF 23 UTILITY PLAN
  C6.0  11 OF 23 PLANTING PLAN
  C6.1  12 OF 23 PLANTING DETAILS AND SCHEDULE
  C7.0  13 OF 23 MATERIALS DETAILS
  C7.1  14 OF 23 MATERIALS DETAILS
  C8.0  15 OF 23 DRAINAGE AND UTILITY DETAILS
  C8.1  16 OF 23 DRAINAGE AND UTILITY DETAILS

ELECTRICAL
  E500  17 OF 23 EXISTING PHOTOMETRIC SITE PLAN
  E501  18 OF 23 PROPOSED PHOTOMETRIC SITE PLAN

ARCHITECTURE
  A110  19 OF 23 BASEMENT LEVEL PLAN
  A111  20 OF 23 MAIN LEVEL PLAN
  A112  21 OF 23 ATTIC FLOOR PLAN
  A300  22 OF 23 EXTERIOR ELEVATIONS
  A301  23 OF 23 EXTERIOR ELEVATIONS
Town of Ellington
Inland Wetlands and Watercourses Agency
Application

Application #IW20206
Date Submitted 4/13/2022

Notices associated with this application will be sent to the applicant unless otherwise requested.

Owner's Information

Name: Town of Ellington
Mailing Address: 55 Main Street
Ellington, CT 06029

Email:

WHEN NOT REQUIRED BY LAW TO MAIL NOTICE BY USPS, MAY NOTICES BE EMAILED TO YOU? ☐ Yes ☐ No

Primary Contact Phone #:

Secondary Contact Phone #:

Owner's Signature: [Signature]
Date: 4/13/2022

By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted. Moreover, by signing above I/we expressly provide written consent to the filing of the application and access to the site by the Agency or its staff.

Applicant's Information (if different than owner)

Name: Ad Hoc Ellington Trail Committee
Mailing Address: 55 Main Street
Ellington, CT 06029

Email:

WHEN NOT REQUIRED BY LAW TO MAIL NOTICE BY USPS, MAY NOTICES BE EMAILED TO YOU? ☐ Yes ☐ No

Primary Contact Phone #:

Secondary Contact Phone #:

Applicant's Signature: [Signature]
Date: 

By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted.

Street Address: Stein Road & Bronisz Drive
Assessor's Parcel Number (APN): 037-005-0082

Proposed upland review area affected in square feet: 3200 linear feet of trail and one bridge 20 LF

Proposed wetlands/watercourses affected in square feet and linear feet (as applicable): 60 LF with Bridges 200 linear feet of trail

Total area of wetlands/watercourses on parcel in square feet or acres: 6000 s.f. in the area of the trails

Public Water: N/A Public Sewer: N/A If not served by public water and sewer, applicant shall make application to North Central District Health Department (Enfield Office) if required.

Is the project in a public water supply watershed area? ☐ Yes ☒ No

If YES, applicant is required to notify the Connecticut Water Company and Commissioner of Public Health by certified mail, return receipt within 7 days of this application (Conn. Gen. Stat. Sec 22a-42). Copy of application, plans, and supporting documents must accompany notice. Applicant can email the Commissioner of Public Health using their approved form. Proof of notice (return receipt and sent email) must be provided to the Planning Department.

Describe the nature of proposed regulated activity, request for acceptance of a permitted use as of right or a nonregulated use, map or regulation amendment, or other activity requiring review by the Agency or its Agent: The Trails Committee will be building four bridges and maintaining trails on the open space area at the end of Bronisz Dr and along a portion of Stein Road. Bridge 1 and 2 are in the wetlands crossing a brook, bridge 3 is more of a boardwalk helping a cross a very low wetland area. Bridge 4 is more of a boardwalk also crossing a low area in the upland review area. The trail meander through upland review area and wetland area.
Applicant shall provide certification in accordance with Wetlands Regulation, Section 7.4e, Application Requirements:

- Whether or not any portion of the property on which the regulated activity is proposed is located within 500 feet of an adjoining town. □ Yes  X No
- Whether or not a significant portion of the traffic to the completed project will use streets within an adjoining town to exit or enter the site. □ Yes  X No
- Whether or not a significant portion of the sewer or water drainage from the project will flow through and significantly impact the sewer or water drainage system of an adjoining town. □ Yes  X No
- Whether water run-off from the improved site will impact streets or other municipal/private property within an adjoining town. □ Yes  X No

FOR OFFICE USE ONLY

If YES to any of the above, the Agency shall, in accordance with CGS 8-7d(f) notify the clerk of any adjoining municipality of the pendency of any application, petition, appeal, request or plan concerning any project on any site. Notice of the pendency of such application shall be made by certified mail, return receipt requested, and shall be mailed within seven (7) days of the date of receipt of the application, petition, appeal, request or plan. (See Agency requirements Section 8.4)

**Type of Project: (check one)**

- Commercial/Industrial  
- Residential  
- Mixed Use  
- Timber  
- Agricultural  
- Other, explain: ____________________________

**Type of Application: (check one)**

- Notification for Non-Regulated Use (Section 4.2)  X
- Notification of Permitted Use as of Right (Section 4.1)  
- Administrative Permit (Section 6.4)  
- Agency Permit (TWELVE COPIES REQUIRED)  
- Permit Modification  
- Permit Extension  
- Regulation Amendment  
- Map Amendment  
- Appeal of Administrative Permit  

**Application Submittals:**

- Completed Application Form (Section 7.4a)  
- Application Fee (Section 7.4b)  
- Abutters List (Section 7.4c)  
- Certification as to Adjacent Towns (See above)  
- Certification as to Connecticut Water Company & Commissioner of Public Health (See above)  
- Notification Narrative and Supporting Documentation (If applicable, Appendix D)  
- Project Narrative and Supporting Documentation (Section 7.4g, 1-11 inclusive, as deemed applicable)  
- Project Site Plan - circle one: Administrative (Section 7.4h1) / Agency (Section 7.4h2)  
- Supplemental Information (Section 7.5a-j, inclusive, as deemed applicable)
This map shows a total of four bridges.

Bridge 1 is currently installed over a collapsed culvert. We will be adding some timber to the existing wood bridge to make it trail worthy.

Bridge 4 is currently installed by is in disrepair due to a tree falling on it. We will be repairing this bridge.

Bridge 2 is a new bridge that will be installed across a stream at the narrowest and safest location.

Bridge 3 is a new bridge that will be installed more as a boardwalk to cross a mucky area and access a loop trail.

We are breaking this into two phases. Bridge #1, 2 and 3 are part of phase I to open the main trail. Bridge 4 is part of phase II to open a secondary loop trail.

We are looking for approval for these trails and bridge crossing at the May 9th meeting. Rachel will be attending on behalf of the trails committee.

We will also be seeking approval for these trails from the Board of Selectmen meeting the same night. Val will be attending the Selectmen’s meeting on behalf of the trails committee.

Thank you

Ellington Trails Committee
Town of Ellington
Inland Wetlands and Watercourses Agency
Application

Application #
Date Submitted

Owner's Information
Name: Kimberly Schneider
Mailing Address: 90A Ellington Ave
Ellington CT 06029
Email: daves@waterfarms.com

Applicant's Information (if different than owner)
Name: David Schneider
Mailing Address: (SAME)
Email: (SAME)

Notices associated with this application will be sent to the applicant unless otherwise requested.

When not required by law to mail notice by USPS, may notices be mailed to you? Yes ☐ No ☐
Primary Contact Phone #: 860-836-1541
Secondary Contact Phone #:
Owner's Signature: [Signature] Date: 5/3/22
By signing below I certify that all information submitted with this application is true and accurate to the best of my knowledge, that I am aware of and understand the application requirements and regulations, and acknowledge that the application is to be considered complete only when all information and documents required by the Agency have been submitted. Moreover, by signing above I/we expressly provide written consent to the filing of the application and access to the site by the Agency or its staff.

Street Address: 90A Ellington Ave
Assessor's Parcel Number (APN): 029-049-0001
Proposed upland review area affected in square feet: 4000 SF +
Proposed wetlands/watercourses affected in square feet and linear feet (as applicable): 0
Total area of wetlands/watercourses on parcel in square feet or acres: NA
Public Water: ☐ Yes ☒ No Public Sewer: ☐ Yes ☒ No If not served by public water and sewer, applicant shall make application to North Central District Health Department (Enfield Office) if required.
Is the project in a public water supply watershed area? ☐ Yes ☒ No
If YES, applicant is required to notify the Connecticut Water Company and Commissioner of Public Health by certified mail, return receipt within 7 days of this application (Conn. Gen. Stat. Sec 22a-42f). Copy of application, plans, and supporting documents must accompany notice. Applicant can email the Commissioner of Public Health using their approved form. Proof of notice (return receipt and sent email) must be provided to the Planning Department.

Describe the nature of proposed regulated activity, request for acceptance of a permitted use as of right or a nonregulated use, map or regulation amendment, or other activity requiring review by the Agency or its Agent:
See attached Application Checklist and Appendix D for guidance when preparing application

Backyard Project including: Inground pool, patio, pool shed, deck + Pavilion
Silt fence barrier to be provided during construction
Boulder type retain wall will be used.
INLAND WETLANDS AGENCY
REGULAR MEETING MINUTES
MONDAY, APRIL 11, 2022, 7:00 P.M.

IN PERSON ATTENDANCE: TOWN HALL ANNEX, 57 MAIN STREET, ELLINGTON, CT
REMOTE ATTENDANCE: ZOOM MEETING
(ATTENDEES BELOW WERE IN PERSON UNLESS OTHERWISE NOTED)

PRESENT: Chairman Ken Braga, Regular members Art Aube (remote, arrived 7:16 pm), Jean Burns, Hocine Baouche and Katherine Heminway

ABSENT: Vice Chairman Ron Brown and regular member Steve Hoffman

STAFF
PRESENT: John Colonese, Assistant Town Planner/Wetland Enforcement Officer and Barbra Galovich, Land Use Assistant/Recording Clerk

I. CALL TO ORDER: Chairman Ken Braga called the Ellington Inland Wetlands Agency meeting to order at 7:05 pm.

II. PUBLIC COMMENTS (on non-agenda items): None

III. PUBLIC HEARING(S):

1. IW202203 - Town of Ellington, owner/applicant, request for a permit to conduct regulated activity for the replacement of the Strawberry Road bridge/culvert over Abbey Brook, located 200ft from the intersection of Blueberry Circle.

   Time: 7:05 pm
   Seated: Braga, Aube, Burns, Baouche and Heminway

Chairman Braga stated the notice requirements have been met and noted this bridge received wetlands permit approval IW201407 on December 16, 2013 to remove and replace the culverts and associated site work. The work was never completed and new plans and an application have been provided. He said they did significant background work, and they provided a lot of materials for the Agency to review.

MOVED (BURNS) SECONDED (BAOUCHE) AND PASSED UNANIMOUSLY TO MAKE A DETERMINATION OF A SIGNIFICANT ACTIVITY FOR IW202203.
Nelson Shepard (remote) of Close, Jensen & Miller P.C., 1137 Silas Deane Highway, Wethersfield, CT was present to represent the application, replacement of Strawberry Road Bridge No. 06141 over Abbey Brook.

Mr. Shepard said the existing structure is in poor condition. Its poor condition is primarily due to the condition of the end treatment, though the culvert barrels are showing a loss of structural integrity. In addition, the contributing drainage area to the bridge is 1.1 square miles. Based on hydraulic modeling, the existing structure is hydraulically inadequate and will overtop the crossing during the 100-year storm design event. For these reasons, the existing bridge is proposed for replacement.

Mr. Shepard noted the proposed project consists of replacing the existing structure with a single span precast concrete three-sided rigid frame with concrete wing walls and end walls. He reviewed the features of the replacement bridge.

Mr. Shepard stated to facilitate demolition of the existing structure and construction of the replacement, construction will be performed in two stages of water handling. The first stage will include directing flows into the eastern pipe by installation of water handling devices to block the two western pipes. During this stage, the western portion of the existing structure will be removed, including the middle and western culvert barrels, and a portion of the headwall. The proposed channel will be prepared and the substructure will be installed on the west side of the brook. Stage two construction will see flow diversion reconfigured to block flows from the eastern culvert barrel and direct it through the newly prepared channel section. The remaining pipe and existing structure will be removed and the eastern portion of the channel will be constructed.

Mr. Shepard reviewed the temporary and permanent wetland impacts associated with the project. The replacement of the existing culverts with an open bottom structure restores approximately 850 square feet of watercourse to natural conditions.

Mr. Shepard stated the impacts to the stream will be minimized through adherence to best management practices and the 2004 Connecticut Stormwater Quality Manual. During construction, proper water handling measures will be implemented to allow work to occur in the areas confined within those water handling devices. Sedimentation and erosion control systems will be installed as necessary to limit disturbances to protect the wetlands and watercourses. He noted that coordination has taken place with CT DEEP Fisheries. The bridge replacement will provide improved fish passage under the bridge. He added that a riparian wildlife shelf will be installed for ecological enhancement.

Mr. Shepard stated that they are also seeking the U.S. Army Corps of Engineers Self-Verification Connecticut General Permit for Water Quality and the CT DEEP Flood Management Certification for Municipal Projects.

There were no comments from the public.

MOVED (HEMINWAY) SECONDED (BURNS) AND PASSED UNANIMOUSLY TO CLOSE THE PUBLIC HEARING FOR IW202203.
MOVED (HEMINWAY) SECONDED (AUBE) AND PASSED UNANIMOUSLY TO APPROVE WITH CONDITION(S) IW202203 - Town of Ellington, owner/applicant, request for a permit to conduct regulated activity for the replacement of the Strawberry Road bridge/culvert over Abbey Brook, located 200ft from the intersection of Blueberry Circle.

Condition(s):

1. Erosion control measures shall be installed then inspected by the Wetlands Agent, and remain fully operational until the site is stabilized.

2. IW202110 - Juliano Family One LLC, owner/ Brian Juliano, applicant, request for modification to Wetlands Permit IW202110 to construct a detention basin and outside storage area at 100 Windermere Ave., APN 018-021-0000.

Mr. Colonese noted the application is not sufficient for review by the Wetlands Agency as it is currently missing items pursuant to Section 7.4g of the Wetlands Regulations as well as a report from the Soil Scientist.

MOVED (BURNS) SECONDED (BAOUCHE) AND PASSED UNANIMOUSLY TO TABLE THE OPENING OF THE PUBLIC HEARING TO MAY 9, 2022 FOR IW202110 - Juliano Family One LLC, owner/ Brian Juliano, applicant, request for modification to Wetlands Permit IW202110 to construct a detention basin and outside storage area at 100 Windermere Ave., APN 018-021-0000.

IV. OLD BUSINESS: None

V. NEW BUSINESS:

1. Apostolic Christian Church – 34 Middle Butcher Road

MOVED (HEMINWAY) SECONDED (BAOUCHE) AND PASSED UNANIMOUSLY TO ADD TO THE AGENDA, RECEIVE, AND SCHEDULE A PUBLIC HEARING FOR THE NEXT REGULAR MEETING ON MAY 9, 2022 FOR - Apostolic Christian Church of Ellington, Inc., owner/applicant, request for a permit to conduct regulated activity for the construction of a fellowship hall and associated site improvements at 34 Middle Butcher Road, APN 028-023-0000.

VI. ADMINISTRATIVE BUSINESS:

1. Approval of the March 14, 2022 Regular Meeting Minutes.

MOVED (AUBE) SECONDED (BAOUCHE) AND PASSED UNANIMOUSLY TO APPROVE THE MARCH 14, 2022 REGULAR MEETING MINUTES AS WRITTEN.
2. Election of Officers.

BY CONSENSUS, THE AGENCY TABLED ELECTION OF OFFICERS TO THE MAY 9, 2022 REGULAR MEETING.

3. Correspondence/Discussion:

Mr. Colonese stated the owner of 128 Mountain Street is looking to construct a shed on the property on a gravel pad or piers for storage of their boat and equipment. He noted the shed will be about 100 feet from Shenipsit Lake where the upland review area is 250 feet. The Agency agreed to allow a permit to be reviewed administratively.

Mr. Colonese said the owner of 161 Mountain Street recently installed riprap rock along a watercourse on the property. The owner would now like to remove the riprap and instead create a grass swale along the watercourse. The Agency agreed that a permit should be requested from the Agency for the activity due to the proximity to the watercourse.

VI. ADJOURNMENT:

MOVED (HEMINWAY) SECONDED (AUBE) AND PASSED UNANIMOUSLY TO ADJOURN THE APRIL 11, 2022 REGULAR MEETING OF THE INLAND WETLANDS AGENCY AT 7:33 PM.

Respectfully submitted,

____________________________
Barbra Galovich, Recording Clerk