

AGENDA
INLAND WETLANDS AGENCY
JUNE 13, 2018 - 7:00 P.M.
TOWN HALL ANNEX - 134 GROTON LONG POINT ROAD
COMMUNITY ROOM 2

I. ROLL CALL

II. PUBLIC COMMUNICATIONS

III. APPROVAL OF MINUTES

1. May 23, 2018*

IV. NEW APPLICATIONS

1. IWA18-05, Singer Residence Septic Repair, 28 South Road*
2. IWA18-06, Groton Bible Chapel Expansion, 66 Toll Gate Road*
3. Receipt of New Applications

V. NEW BUSINESS

1. East Farms Subdivision Lot 3 Restoration
2. Report of Chair
3. Report of Staff

VI. ADJOURNMENT

Next regular meeting: June 27, 2018

* Enclosed

MINUTES
INLAND WETLANDS AGENCY
MAY 23, 2018 - 7:00 P.M.
TOWN HALL ANNEX – 134 GROTON LONG POINT ROAD
COMMUNITY ROOM 2

I. ROLL CALL

Agency: Scott, Ashworth, Sutphen, Beglau
Absent: Williams, Block
Staff: Jones, Allen, Hovland

Chairperson Scott called the meeting to order at 7:00 p.m. and sat Beglau for Williams.

II. PUBLIC COMMUNICATIONS – None

III. APPROVAL OF THE MINUTES

1. May 9, 2018

MOTION: To approve the minutes of May 9, 2018, as written.

Motion made by Sutphen, seconded by Beglau, so voted unanimously.

IV. NEW APPLICATIONS - None

V. PENDING APPLICATIONS

1. IWA 18-04, Laurel Glen Condominium Association Repaving, 68-86 Buddington Road

Staff reviewed the application with the Agency explaining that this is a proposal to repave the existing parking lot. Sutphen noticed flowing water through the wetland due to recent rain and questioned where the wetland discharges. Staff explained that the water discharges into a pipe located under Buddington Road and ultimately runs into the reservoir. Two or three paved leak-offs drain the parking lot directly to the wetland, the Agency noted the topography of the property does not allow a catch basin. Rip-rap placed in the leak-off was suggested as a solution.

MOTION: To approve the Laurel Glen Repaving application for the following reasons:

1. There will be no loss of wetland or watercourse as a result of this project.
2. The sediment and erosion control plan will adequately protect the wetland during construction.

This permit is subject to the four standard conditions and the following modifications:

1. All catch basins within the work area shall be individually protected by erosion control measures.

2. Stacked hay bales shall extend along the driveway to the property's Buddington Road frontage.
3. Rip rap shall be placed at all leak-off outfalls.

Motion made by Sutphen, seconded by Beglau, so voted unanimously.

VI. NEW BUSINESS

1. East Farms Subdivision Lot 3 Restoration

Staff presented the plan to restore the area after more land had been cleared than was authorized. The unauthorized encroachment is approximately 15-20 feet from the wetland delineation line. Although the erosion fencing is failing, staff visited the property twice, including today, and reported no erosion. The erosion fencing will be replaced immediately. Staff reviewed the previous permits granted for this property. Sutphen asked the applicant for a more specific restoration plan, including what species will be planted and where, to present the revised plan at the next meeting on June 13th. Sutphen suggested boulders be placed at the non-encroachment line and that trees be included in the restoration plan as well.

2. Report of Chair - None

3. Report of Staff

Staff reported that future agendas will be different starting July 1st. An example agenda will be provided to the Agency in June in order to review the changes.

VII. ADJOURNMENT

Meeting adjourned at 7:33 p.m.

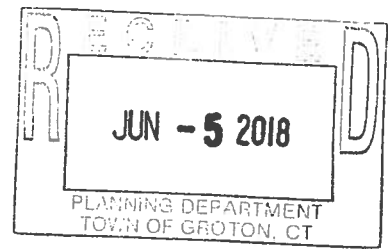
Motion made by Sutphen, seconded by Beglau, so voted unanimously.

Eunice Sutphen, Acting Secretary
Inland Wetland Agency

Prepared by Kara Hovland
Office Assistant II



TOWN OF GROTON
 LAND USE APPLICATION
 Part One



PLEASE CHECK THE APPROPRIATE BOX(ES) AND ATTACH THE REQUIRED APPLICATION(S):

- | | |
|---|---|
| <input type="checkbox"/> SUBDIVISION OR RESUBDIVISION | <input type="checkbox"/> COASTAL SITE PLAN REVIEW (CAM) |
| <input type="checkbox"/> SITE PLAN | <input type="checkbox"/> SPECIAL PERMIT |
| <input type="checkbox"/> ADMINISTRATIVE SITE PLAN | <input type="checkbox"/> ZONE CHANGE |
| <input checked="" type="checkbox"/> INLAND WETLANDS PERMIT | <input type="checkbox"/> REGULATION AMENDMENT |
| <input type="checkbox"/> INLAND WETLANDS PERMIT OR NON-REGULATED ACTIVITY | <input type="checkbox"/> VARIANCE/APPEAL |

PROJECT NAME: Septic Pump Tank
 STREET ADDRESS OF PROPERTY: 28 South Road
 IF ADDRESS NOT AVAILABLE, LOCATION: _____
 PARCEL IDENTIFICATION NUMBER: 169807573654 ACREAGE: 2.3 ZONE: CA-12

PROJECT DESCRIPTION: _____
Septic pump chamber installation within 100' setback for single family residence.

CORRESPONDENCE WILL BE SENT TO THE PRIMARY APPLICANT AS CHECKED BELOW:
 (NAME, ADDRESS, TELEPHONE AND FAX NUMBER)

APPLICANT: Matthew Singer
 EMAIL: mshting@yahoo.com TELEPHONE: 860-303-9122 FAX: _____
 APPLICANT'S AGENT (if any): _____
 EMAIL: _____ TELEPHONE: _____ FAX: _____
 OWNER/TRUSTEE: _____
 EMAIL: _____ TELEPHONE: _____ FAX: _____
 ENGINEER/SURVEYOR/ARCHITECT: D. Todd Beardsley PEN0024350
 TELEPHONE: 860-510-8700 FAX: _____

- Note:
- To be accepted by the Planning Division, this entire application must be completed, signed, and submitted with the required fee(s) and map(s) prepared in accordance with the applicable regulations.
 - The submittal of this application constitutes the property owner's permission for the commission or its staff to enter the property for the purpose of inspection.
 - The applicant hereby agrees to pay all additional fees and/or address such costs deemed necessary by the Office of Planning and Development Services as described in Part Three of this application.

Matthew Singer 5/31/18
 SIGNATURE OF APPLICANT OR APPLICANT'S AGENT DATE

Matthew Singer 5/31/18
 SIGNATURE OF RECORD OWNER DATE
 I HEREBY, CERTIFY THAT I AM THE OWNER OF THE PROPERTY STATED ABOVE

MATTHEW SINGER
 PRINTED NAME OF APPLICANT

Matthew Singer
 PRINTED NAME OF OWNER

Project #: IWA18-05 Work Type: _____ Fee Received: \$180 Init. _____ Planner: _____

TOWN OF GROTON
LAND USE APPLICATION – INLAND WETLANDS PERMIT

PART TWO
(Attach to Part One)

DESCRIPTION OF PROPOSED REGULATED ACTIVITY (Fully describe all activities in and adjacent to regulated areas including acres or square feet of wetland/watercourse involved, and areas and amounts of fill or excavation in cubic yards, disturbance, buildings, clearing, etc.):

32 cu yd excavation 6' x 8' within 100' wetlands setback for the installation of a 1000 gal capacity pump chamber connecting a new leaching system (outside setback) to an existing septic system.

DESCRIPTION OF ALTERNATIVES AND WHY THE ABOVE ACTIVITIES WERE CHOSEN:

No town sewer available.

-Attach required site plan, drawn to scale, showing:

- a. property lines; Assessor's PIN numbers
- b. location of wetlands, watercourses, and flood zones
- c. location of existing and proposed structures
- d. existing and proposed contours
- e. location of all other proposed regulated activities described
- f. other information as may be required by Section 6 of the Inland Wetlands and Watercourses Regulations

-Complete attached State Reporting Form.

-Is the regulated activity on a wetland/watercourse within 500' of a municipal boundary? Y or N
If yes have you notified the adjacent town inland wetlands agency on the same day the application is submitted by certified mail, return receipt requested? Y or N

Please note, if the Agency determines this to be a major activity, an additional fee is required. Additional information may also be required. Additional Fee Received _____

Note: Your activity may involve regulation by the Army Corps of Engineers. To determine if proposed wetland activity is regulated by Section 404, a 1972 amendment to the Federal Water Pollution Control Act, applicant can call collect to the U.S. Army Corps of Engineers (617) 894-2400, ext. 332, or write Regulatory Branch, New England Division, U.S. Army Corps of Engineers, 424 Trapelo Road, Waltham, Massachusetts 02154.

Project Description

Background:

28 South Road does not have town sewer main, nor are there plans to install one. To connect the existing waste management system to a new leaching field requires pumping to a higher elevation on the property (per Ledge Light Health Dist.). A Septic Tank System Repair plan and application as prepared by N.H. Eccleston Excavating (Preston, CT LIC 005036) has been submitted and approved by Ledge Light Health District. A wetlands permit is requested because a portion of the work being performed is within the 100 ft setback from inland wetlands as previously (2000) delineated by Soil and Environmental Services Inc., East Lyme, and surveyed by DiCesare-Bentley Engineers Inc (ref. 1).

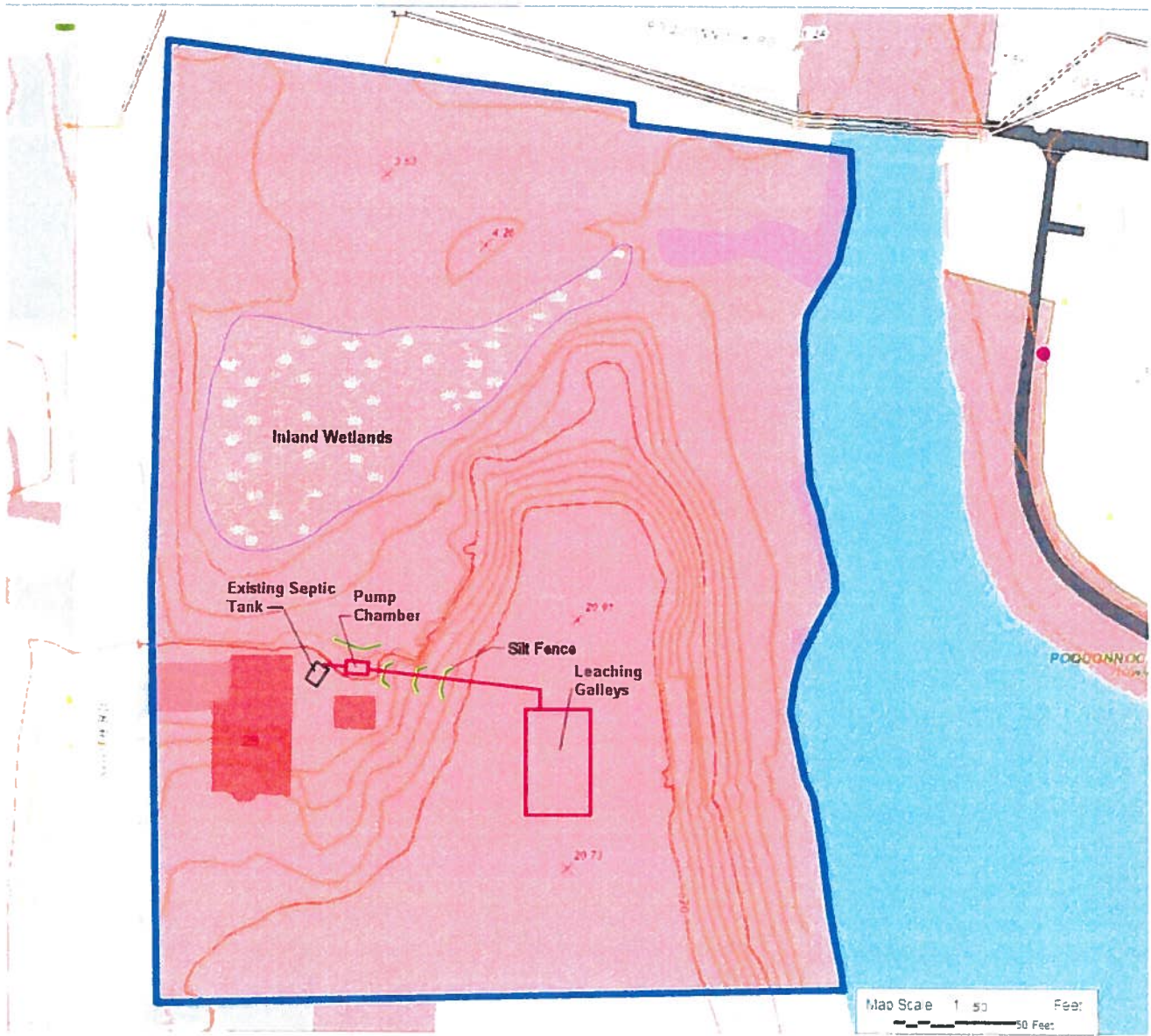
Work Within 100' Setback:

Tank/pump Installation: Approximately 32 cu yd will be excavated and displaced by a 6 x 8 ft concrete pump chamber (1000 gal) as shown on the location in Figure 1. Inlet and outlet trenches for the connected piping circuit to the leaching galleys will complete the system. Displaced soils will be removed by the excavating contractor.

Trench will be promptly marked with caution tape above 3 ft deep, compacted and covered with grass seed and straw. Silt fence will be utilized perpendicular to the sloped trench at 3' elevation intervals and beneath the tank location.

The pump and control/alarm limits will be tested by filling and cycling with potable water before hookup to existing sewer outlet piping.

Figure 1. Excavation Plan Sketch; Wetlands Setback, Erosion Control and Excavation



RECEIVED
JUN - 5 2018
PLANNING DEPARTMENT
TOWN OF GROTON, CT

SOIL & ENVIRONMENTAL SERVICES, INC.

61 Plants Dam Road, East Lyme, CT 06333 860-739-6691 Fax 739-4150 soilinc@gmail.com

June 5, 2018.

To: Groton Inland Wetlands Agency

RE: Matthew Singer, 28 South Road, Groton, CT. 06340

Dear Commission Members:

We have reviewed the wetlands/watercourses boundaries for the project as delineated on the DB site plans of December 11, 2000.

We have reviewed current topo maps, aerial photos, and current photographs of the subject property.

The wetlands/watercourses boundaries as depicted for the subject property are correct as shown.

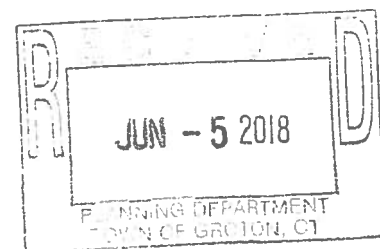
Please contact us with any questions.

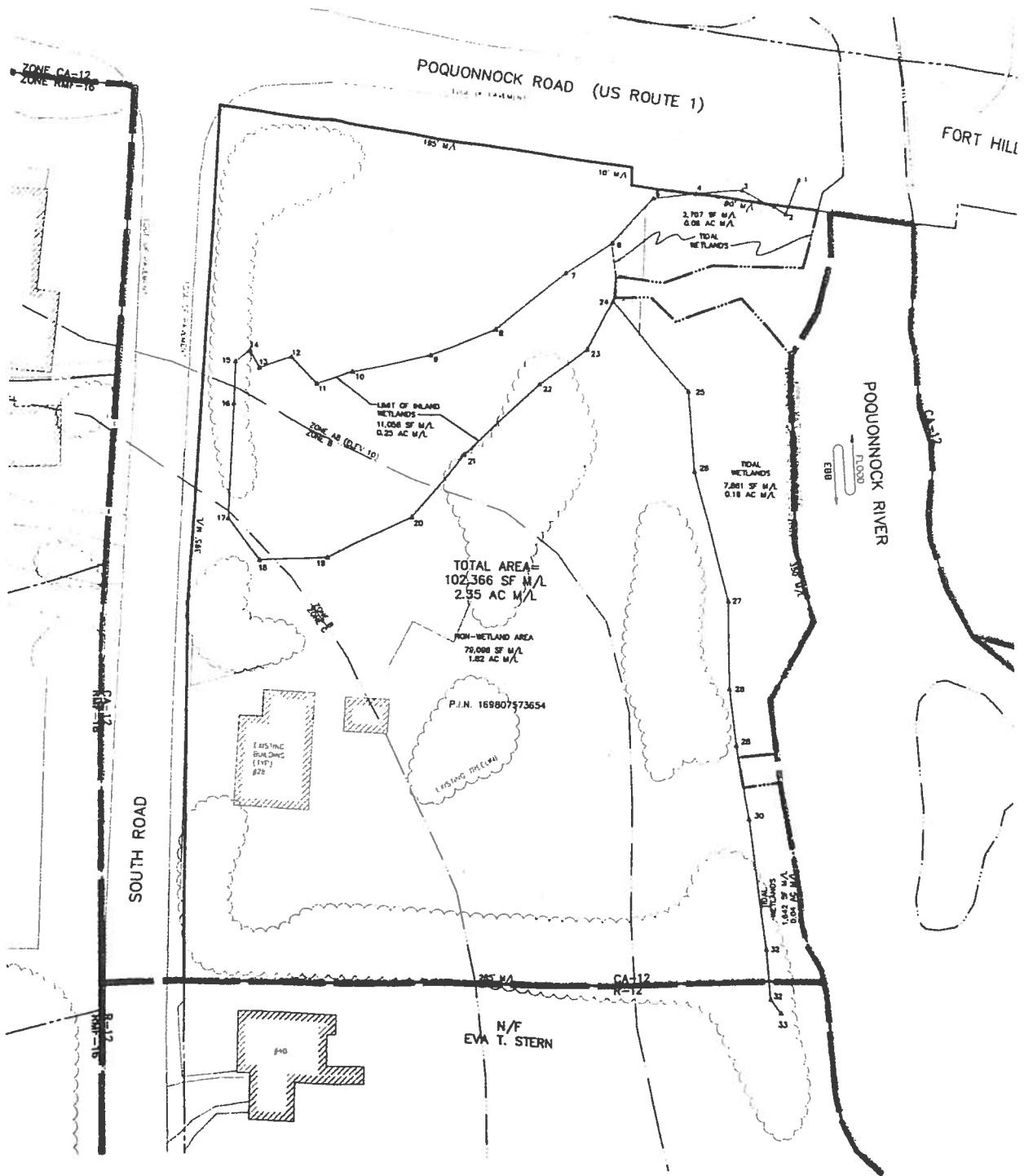
Sincerely,

Donald J. Fortunato

Donald J. Fortunato

Certified Professional Soil Scientist #2278 (SSSA)
Professional Soil Scientist Member (SSSSNE)





JUN - 5 2018

PLANNING DEPARTMENT
TOWN OF GROTON, CT



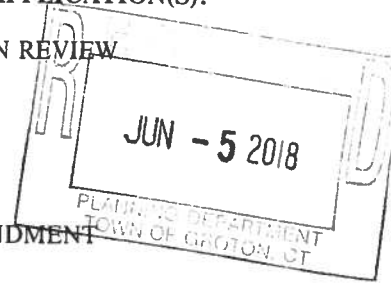
TOWN OF GROTON

ORIGINAL

LAND USE APPLICATION
Part One

PLEASE CHECK THE APPROPRIATE BOX(ES) AND ATTACH THE REQUIRED APPLICATION(S):

- | | |
|---|---|
| <input type="checkbox"/> SUBDIVISION OR RESUBDIVISION | <input type="checkbox"/> COASTAL SITE PLAN REVIEW (CAM) |
| <input type="checkbox"/> SITE PLAN | <input type="checkbox"/> SPECIAL PERMIT |
| <input type="checkbox"/> ADMINISTRATIVE SITE PLAN | <input type="checkbox"/> ZONE CHANGE |
| <input checked="" type="checkbox"/> INLAND WETLANDS PERMIT | <input type="checkbox"/> REGULATION AMENDMENT |
| <input type="checkbox"/> INLAND WETLANDS PERMIT OR NON-REGULATED ACTIVITY | <input type="checkbox"/> VARIANCE/APPEAL |



PROJECT NAME: GROTON BIBLE CHAPEL EXPANSION
 STREET ADDRESS OF PROPERTY: 66 TOLL GATE ROAD
 IF ADDRESS NOT AVAILABLE, LOCATION: _____
 PARCEL IDENTIFICATION NUMBER: 168911679179 E ACREAGE: 18.130 ZONE: RV-20

PROJECT DESCRIPTION: CONSTRUCTION OF A NEW CHURCH CHAPEL, PARKING IMPROVEMENTS & STORMWATER COLLECTION & TREATMENT MODIFICATIONS

CORRESPONDENCE WILL BE SENT TO THE PRIMARY APPLICANT AS CHECKED BELOW:
(NAME, ADDRESS, TELEPHONE AND FAX NUMBER)

APPLICANT: GROTON BIBLE CHAPEL, INC
 EMAIL: _____ TELEPHONE: 860-445-1760 FAX: 860-445-4366
 APPLICANT'S AGENT (if any): KILLINGLY ENGINEERING ASSOCIATES, LLC
 EMAIL: NTHIBEAULT@KILLINGLYENR.COM TELEPHONE: 860-779-7299 FAX: _____
 OWNER/TRUSTEE: GROTON BIBLE CHAPEL, INC
 EMAIL: _____ TELEPHONE: _____ FAX: _____
 ENGINEER/SURVEYOR/ARCHITECT: AGENT
 TELEPHONE: _____ FAX: _____

- Note:
- 1) To be accepted by the Planning Division, this entire application must be completed, signed, and submitted with the required fee(s) and map(s) prepared in accordance with the applicable regulations.
 - 2) The submittal of this application constitutes the property owner's permission for the commission or its staff to enter the property for the purpose of inspection.
 - 3) The applicant hereby agrees to pay all additional fees and/or address such costs deemed necessary by the Office of Planning and Development Services as described in Part Three of this application.

[Signature] 5/22/18
 SIGNATURE OF APPLICANT OR APPLICANT'S AGENT DATE

 SIGNATURE OF RECORD OWNER DATE
 I HEREBY, CERTIFY THAT I AM THE OWNER OF THE PROPERTY STATED ABOVE

GROTON BIBLE CHAPEL, INC
PRINTED NAME OF APPLICANT

GROTON BIBLE CHAPEL, INC
PRINTED NAME OF OWNER

TOWN OF GROTON
LAND USE APPLICATION – INLAND WETLANDS PERMIT

PART TWO
(Attach to Part One)

DESCRIPTION OF PROPOSED REGULATED ACTIVITY (Fully describe all activities in and adjacent to regulated areas including acres or square feet of wetland/watercourse involved, and areas and amounts of fill or excavation in cubic yards, disturbance, buildings, clearing, etc.):

THE PROJECT PROPOSES TO CONSTRUCT A GRAVEL PARKING AREA WITHIN 75' OF THE DELINEATED WETLAND BOUNDARY AND INSTALL A GRAVEL SURFACE OVER AN EXISTING GRASSY AREA THAT IS CURRENTLY USED FOR PARKING. EXISTING WATER QUALITY BASIN WILL ALSO BE MODIFIED.

DESCRIPTION OF ALTERNATIVES AND WHY THE ABOVE ACTIVITIES WERE CHOSEN:

THERE IS LIMITED USABLE AREA ON THE PROPERTY DUE TO EXTENSIVE WETLANDS THAT SURROUND THE DEVELOPED AREAS. THE ONLY ALTERNATIVE WOULD BE TO ACQUIRE ADDITIONAL PROPERTY FOR PARKING PURPOSES

-Attach required site plan, drawn to scale, showing:

- a. property lines; Assessor's PIN numbers
- b. location of wetlands, watercourses, and flood zones
- c. location of existing and proposed structures
- d. existing and proposed contours
- e. location of all other proposed regulated activities described
- f. other information as may be required by Section 6 of the Inland Wetlands and Watercourses Regulations

-Complete attached State Reporting Form.

-Is the regulated activity on a wetland/watercourse within 500' of a municipal boundary? Y or N
If yes have you notified the adjacent town inland wetlands agency on the same day the application is submitted by certified mail, return receipt requested? Y or N

Please note, if the Agency determines this to be a major activity, an additional fee is required. Additional information may also be required. Additional Fee Received _____

Note: Your activity may involve regulation by the Army Corps of Engineers. To determine if proposed wetland activity is regulated by Section 404, a 1972 amendment to the Federal Water Pollution Control Act, applicant can call collect to the U.S. Army Corps of Engineers (617) 894-2400, ext. 332, or write Regulatory Branch, New England Division, U.S. Army Corps of Engineers, 424 Trapelo Road, Waltham, Massachusetts 02154.



Ian T. Cole

Professional Registered Soil Scientist / Professional Wetland Scientist

117 Gallup Hill Road

Ledyard, CT 06339

Itcole@gmail.com

860-514-5642

June 4, 2011

Mark Spruance
Groton Bible Chapel
66 Toll Gate Road
Groton, CT

RE: Wetland delineation prepared for proposed youth center and site access improvements at the Groton Bible Chapel property, 66 Toll Gate Road, Groton Connecticut.

Dear Mr. Spruance:

At your request, on June 4, 2011 I delineated the wetlands and watercourse for the above referenced property in accordance with the Connecticut General Statutes 22a-36 through 22a-45. I have reviewed the site layout plan titled "*Site Layout t Plan prepared for, Groton Bible Chapel, Toll Gate Road, Groton, Connecticut.*" prepared by Killingly Engineering Associates and offer the following comments:

The property consists of an existing brick church, gymnasium, associated parking, and three residential houses on the road frontage of Toll Gate Road. Jurisdictional wetlands are found along the northerly and easterly periphery of the property closely following the existing tree line. The wetlands on the subject property are associated with a man-made pond and an unnamed watercourse which discharges onto the subject property from a headwall located in the northwestern corner of the property. The wetland boundary is readily identifiable marked by an abrupt change in topography as wetland plants give rise to upland vegetation. Consecutively numbered wetland flags 1 through 16 and 1B through 11B represent the wetland boundary as marked in the field.

The wetland soils along the wetland boundary range from poorly drained to very poorly drained very stony fine sandy loams representing the Ridgebury, Leicester, and Whitman soil series. Poorly drained Ridgebury and Leicester soils are found on concave slopes, depressions, and in small drainageways of glacial till uplands. Whitman soils are very poorly drained and occupy the relatively low-lying areas within the wetland, and have a water table that is at or above the ground surface throughout most of the year. In addition, very poorly drained moderately deep organic mucks are also found in the interior of the man-made pond and surrounding emergent wetland.

The proposed plans call for the construction of a proposed youth center and access improvements to the existing parking facility and drainage system upgrades. There are no proposed direct wetland disturbances. The construction of a water quality basin to treat stormwater is proposed within the 100 foot upland review area. Stormwater from this water quality basin will discharge onto a riprap pad which will de-energize the outlet flow, leaving as non-erosive sheet flow, which will travel through a vegetated buffer before reaching any receiving waters. It is my professional opinion that if erosion and sediment controls are properly installed and maintained until disturbed areas are stabilized, the proposed activities will not significantly or adversely alter the natural capacity of the wetlands on or adjacent to the site.

Please do not hesitate to contact me at itcole@gmail.com; (860) 514-5642 if you have any questions or need any additional information.

Sincerely,

Ian T. Cole
Professional Registered Soil Scientist
Professional Wetland Scientist #2006

Cc. Killingly Engineering Associates

1. Site Evaluation, Assessment & Planning

1.1 *Project/Site Description*

The attached drainage calculations are prepared and submitted to provide drainage water quality volume calculations for post construction conditions for a church worship center, associated parking and site improvements for the Groton Bible Chapel located at 66 Tollgate Road. The subject property consists of multiple parcels totaling slightly over 16 acres and is currently utilized for church services, events and parking. Due to the growth of the church over the past 10 years, it has become necessary to construct the proposed worship center expansion and add and improve parking at the facility.

To construct the new worship center, 14 of the existing paved parking spaces will be removed as well as portions of the existing driveway; approximately 8,000 square feet of paved surface will be removed. 2 existing residences will be demolished where the proposed worship center will be constructed. The new building, sidewalks and proposed paved parking will create approximately 33,000 square feet of impervious surfaces for a net gain of 25,000 square feet. In addition to the impervious surfaces, the project proposes to improve an existing grassed parking area by installing a more suitable gravel surface and create an additional gravel parking area in the southeastern part of the site. The total proposed activity within 100' of wetlands is 12,865 square feet of grassed surface that will be changed to gravel.