

Date Submitted _____
Fee Paid _____
Application # _____

TOWN OF CHAPLIN INLAND WETLANDS COMMISSION

Application for Permit

****You MUST submit application to the Building Department or Town Clerk by the close of the workday (7:00 pm) TUESDAY of the week of the regularly scheduled meeting of the IWC. If Tuesday is a holiday, submit the Monday before, by 3:00 pm.**

1. KIRK STYGAR 80 CHAPPELL ST, CHAPLIN, CT 06235
Name and Address of Applicant

Home Phone _____

Cell [REDACTED]

Business Address of Applicant _____

Business Phone/Fax _____

Cell _____

2.

Name, Address & Title of Authorized Agent (if different from applic.)

Phone _____

Cell _____

3. Applicants interest in the Property (please circle):

Owner

Developer

Builder

Option holder

Other

If Applicant is NOT the owner, please provide:

Name and Address of Owner

Home Phone _____

Business phone _____

Cell _____

RECEIVED
CHAPLIN
TOWN CLERK

1/28/2020 @ 5:11p
Asst. [Signature]

4. Has Application been filed with the Planning and Zoning Commission? _____

Is this land part of a previously Approved Subdivision? _____
If so, attach copies of all permits.

5. Identify any other State or Town Permits pending for work on this property or required for work on this property.

6. Location of Property where proposed activity is to take place:

80 CHAPPELL ST - CHAPLIN, CT

Street address

EVERSOURCE #227 - 1/4 MILE

Nearest telephone pole # and distance to intersection

Subdivision & Lot #

Tax Assessor's Reference

7. Names and Addresses of adjacent property owners:

ROB COMEAU
81 CHAPPELL ST

8. List Titles of Site Plans, Drawings, Cross-Sections with latest revision dates which accompany this application. (12 copies of application and planes are required)

9. Project description (attach extra pages if necessary)

1) Describe in detail the proposed activity here or on an attached page.

(see guidelines at end of application)

Please include a description of all activity or construction or disturbance:

Type and volume of material to be filled or excavated:

10. Proposed erosion and sedimentation controls and other management practices and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including, but not limited to, measures to (1) prevent or minimize pollution or other environmental damage, (2) maintain or enhance existing environmental quality, or (3) in the following order of priority; restore, enhance and create productive wetland or watercourse resources; alternatives considered and subsequently rejected by the applicant and why the alternative as set forth in the application was chosen; all such alternatives shall be diagrammed on a site plan or drawing.

11. Map/Site Plan (all applications)

1) Attach to the application a map or site plan showing **existing conditions** and the **proposed project** in relation to wetland/watercourses. Scale of map or site plan should be 1"= 20', 1" = 30, or 1" = 40'; if this is not possible, please indicate the scale that you are using. A sketch map may be sufficient for small, minor projects. (See guidelines at end of application)

2) Applicants map date and date of last revision

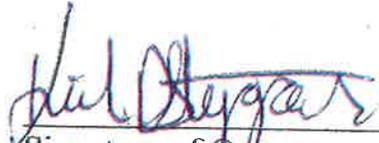
3) Zone Classification _____

4) Is your property in a flood zone? _____ yes _____ no _____ don't know

(Use a separate 8 1/2 x 11 sheet if necessary)

12. **Owner's consenting signature:**

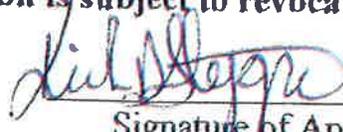
The undersigned, as owner of the property, hereby consents to the applicant seeking a permit for the proposed activity. The owner also consents to the necessary and proper inspections of the above referenced property, by the Chaplin Inland Wetlands Commission and its Agent, both before and after a final decision has been made by the Commission.



Signature of Owner Date

13. **Signature of Applicant:**

The undersigned is familiar with all the information provided in this application and is aware that any permit obtained through deception, inaccurate or misleading information is subject to revocation.



Signature of Applicant Date

14. **Additional information – if deemed a significant activity by the commission additional information is required – see section 7.6 of the commission's regulations.**

15. **Filing fee – Consult regulations and Wetlands Agent for appropriate fees.**

**Notification to the Windham Water Works
Of Application for a Project Within the
Willimantic Reservoir Watershed – Required by Public Act 89-301**

P.A. 89-301 "An Act Implementing the Recommendations of the Water Lands Task Force and Concerning Water Diversions and Notification to Water Companies of the Storage of Hazardous Materials," requires applicants to provide a water company written notice of an application, petition, request or plan if the proposed project is located within the watershed of the wetland, zoning planning and zoning commissions and zoning boards of appeal. The applicant must mail such notice within seven (7) days of the date of the application, by certified mail, return receipt requested. This form is furnished by the Windham Water Works to such boards and commissions in its watershed to be used by applicants to meet this requirement. Other forms or letters, as approved by each commission, may be used, but must contain the same information. To determine if a project is within the Willimantic Reservoir Drinking Water Supply Watershed, please consult the map(s) on file with the Commission or Town Clerk. Failure of an applicant to comply with this law may be grounds for a legal appeal of a decision rendered on the application due to a procedural error. Do not jeopardize your application, send your notification!

Application Submitted to: Inland Wetlands Commission
 (Check one or more) Zoning Commission
 Planning & Zoning Commission
 Zoning Board of Appeals

Project is in the Town(s) of: Ashford Pomfret
 (Check one or more) Chaplin Union
 Eastford Willington
 Hampton Windham
 Mansfield Woodstock

Type of Application: Zone Change Special Exception/Permit
 Subdivision Other: (Describe) _____
 Variance

Name & Address of Applicant Kirk D Stygar
88 CHAPPELL ST CHAPLIN, CT 06235

Project Street Location/Nearest Utility Pole EVERSOURCE-227

Contact Person KIRK D STYGAR Phone No. [REDACTED]

Brief description of application: (For example: 30 lot subdivision of single family homes on 60,000 square foot lots with on-site septic systems and wells in North Windham)

Public Hearing Date: _____ Commission Meeting Date 1-22-2020

Enclose a copy of the application submitted to the Town and a full set of project plans. Mail this completed form or substitute by certified mail, return receipt request to:

Windham Water Works – Superintendent
 174 Storms Road
 Mansfield Center, CT 06250



Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete and mail this form in accordance with the instructions on pages 2 and 3 to:

DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3rd Floor, Hartford, CT 06106

Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.

PART I: Must Be Completed By The Inland Wetlands Agency

- DATE ACTION WAS TAKEN: year: _____ month: _____
- ACTION TAKEN (see instructions, only use one code): _____
- WAS A PUBLIC HEARING HELD (check one)? yes no
- NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
(print name) _____ (signature) _____

PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant

- TOWN IN WHICH THE ACTION IS OCCURRING (print name): CHAPLIN
does this project cross municipal boundaries (check one)? yes no
if yes, list the other town(s) in which the action is occurring (print name(s)): _____
- LOCATION (see instructions for information): USGS quad name: SPRING HILL + HAMPTON or number: 41 + 42
subregional drainage basin number: 3200-10
- NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): KIRK D STYGAR
- NAME & ADDRESS / LOCATION OF PROJECT SITE (print information): KIRK D STYGAR 80 CHAPPELL ST CHAPLIN, CT
briefly describe the action/project/activity (check and print information): temporary permanent description: HARVEST OF 15 DEAD OAK TREES, CONTAINING BROOK WITHIN ITS FLOW, PULLING STUMPS, POND SITE
- ACTIVITY PURPOSE CODE (see instructions, only use one code): A
- ACTIVITY TYPE CODE(S) (see instructions for codes): 2 3 4 11
- WETLAND / WATERCOURSE AREA ALTERED (must provide acres or linear feet):
wetlands: 2944 acres open water body: _____ acres stream: 100 linear feet
- UPLAND AREA ALTERED (must provide acres): .50 acres
- AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): _____ acres

DATE RECEIVED:

PART III: To Be Completed By The DEEP

DATE RETURNED TO DEEP:

FORM COMPLETED: YES NO

FORM CORRECTED / COMPLETED: YES NO



SPD ENVIRONMENTAL SERVICES, LLC

January 21, 2020

Kirk Stygar
80 Chappell Street
Chaplin CT
06235

RE: Wetland Inspection – Notice of Violation
80 Chappell Street
Chaplin, CT

Dear Kirk:

SPD Environmental Services, LLC (SPD) conducted a visual inspection of wetlands on your property on January 5, 2020. The inspection was conducted based on a Notice of Violation (NOV) received by you for violation of Section 6 of the Town of Chaplin Inland Wetland and Watercourses Regulations.

The purpose of the inspection was to document disturbances to wetland and watercourses on your property without a permit and to inspect a proposed area for a pond within the southern portion of the site.

An attached map showing the approximate wetland boundaries at the property is provided in attachment A.

General Site Description

The *United States Department of the Interior Geological Survey* indicates the site is located with the southeast corner of the Spring Hill Quadrangle. The site is bound by residential properties to the east and west, lightly forested land to the north and Chappell Street to the south.

The property is improved with a single family structure within the south-central portion of the property and a detached garage along the western property boundary. The site is accessed by a gravel driveway that extends onto the property from Chappell Street to the south.

The central portion of the property consist mostly of cleared uplands and the northern portion of the property is lightly vegetated with a canopy of oak and hickory trees with and understory of similar species. A perennial stream enters the site from the northeast meandering through the eastern portion of the property exiting through a culvert beneath Chappell Street to the south. Vegetation within the wetlands consist of a thin canopy of red maples, hickory and american hornbeam with an understory of similar species. Herbaceous plants consisted of sedges, rushes and cinnamon ferns.

Wetland Inspection
80 Chappell Street – Chaplin, CT

In general, site topography slopes gently from north to south. Property elevation ranges between 340 feet above mean sea level (msl) along the northern property boundary to 320 msl at Chappell Street to the south.

Wetland Inspection

As indicated above a perennial stream enters the property from the northeast and meanders along the eastern portion of the site. Overall, the stream appears to mostly follow its natural channel, however numerous improvements have been made within and along the channel to prevent flooding along the eastern side of the residence. These activities have included constructing a stone retaining wall along the stream channel and deepening the channel with a mini excavator. According to Mr. Stygar, the majority of stream/wetland disturbances were completed prior to his purchase of the property and the only improvements he has made is deepening the channel in two places upstream from the residence and extending the retaining wall between these two areas. An attached map showing the areas of disturbance and the retaining wall is provided in attachment B.

The first area of disturbance is an approximate 10 by 30 foot area that was “hogged” out with an excavator to deepen the channel to prevent bank overflow during storm events. Stream water would breach the banks in this area and flood the yard along the eastern side of the residence.

The second area of disturbance is an approximate 6 by 20 foot area that was prepped in a similar fashion as the first area to prevent downstream flooding. Several stones were placed in the channel to baffle water during storm events and lesson downstream erosion.

The banks of the channel between the two areas of disturbance were lined with large rocks to better define the channel, assist in erosion control and eliminate flooding along the eastern side of the residence.

Further downstream from the areas described above, the watercourse enters two small pools, adjacent to a gazebo that is situated on a large rock outcrop, before branching into two separate channels. One channel flows into a larger wetland area that is the proposed location of the pond and the second channel continues south towards Chappell Street.

The proposed pond is approximately 2,800 square feet.

The pond location and areas of disturbance are shown on a site map provided in Attachment B.

Published Data

The *United States Department of Agriculture (USDA) Soil Survey of Windham County* indicates that the subject site upland soils consist primarily of Paxton extremely stony fine sandy loam with 3 to 15 percent slopes. This soil is gently sloping and well drained.

Wetland Inspection
80 Chappell Street – Chaplin, CT

The survey further indicates that site wetland/watercourse soils are Ridgebury, Leicester, Whitman extremely stony sandy loam. This unit consists of nearly level, poorly drained and very poorly drained soils in depressions and drainage ways of glacial till uplands.

These soil descriptions are consistent with observed site conditions.

Summary and Recommendations

SPD Environmental Services, LLC conducted a wetland inspection at 80 Chappell Street on January 5, 2020. The purpose of the inspection was to document unpermitted activities within a stream that flows through the eastern portion of the property and also inspect a larger wetland for a future pond within the southeastern portion of the property.

Based on the above information, the disturbances within the onsite watercourse were minor and did not adversely impact water quality and surrounding habitat. The alterations within the stream channel were successful in providing needed flood control along the eastern portion of the residence and improved erosion control during storm events. It is recommended that a wetland seed mix be applied to the stream banks adjacent to the disturbed areas for further stabilization

The proposed pond within the southeastern corner of the property would create a higher functioning wetland attracting a wider variety of wildlife. During construction care should be taken to preserve the surrounding canopy to provide shade to the pond and a proper erosion control plan should be in place prior to job commencement. Post construction a wetland seed mix should be applied along portions of the shore for additional erosion control and provide shelter areas for wildlife from predation.

It is a pleasure to be of service to you on this project. Please feel free to call if you have any questions or require additional information.

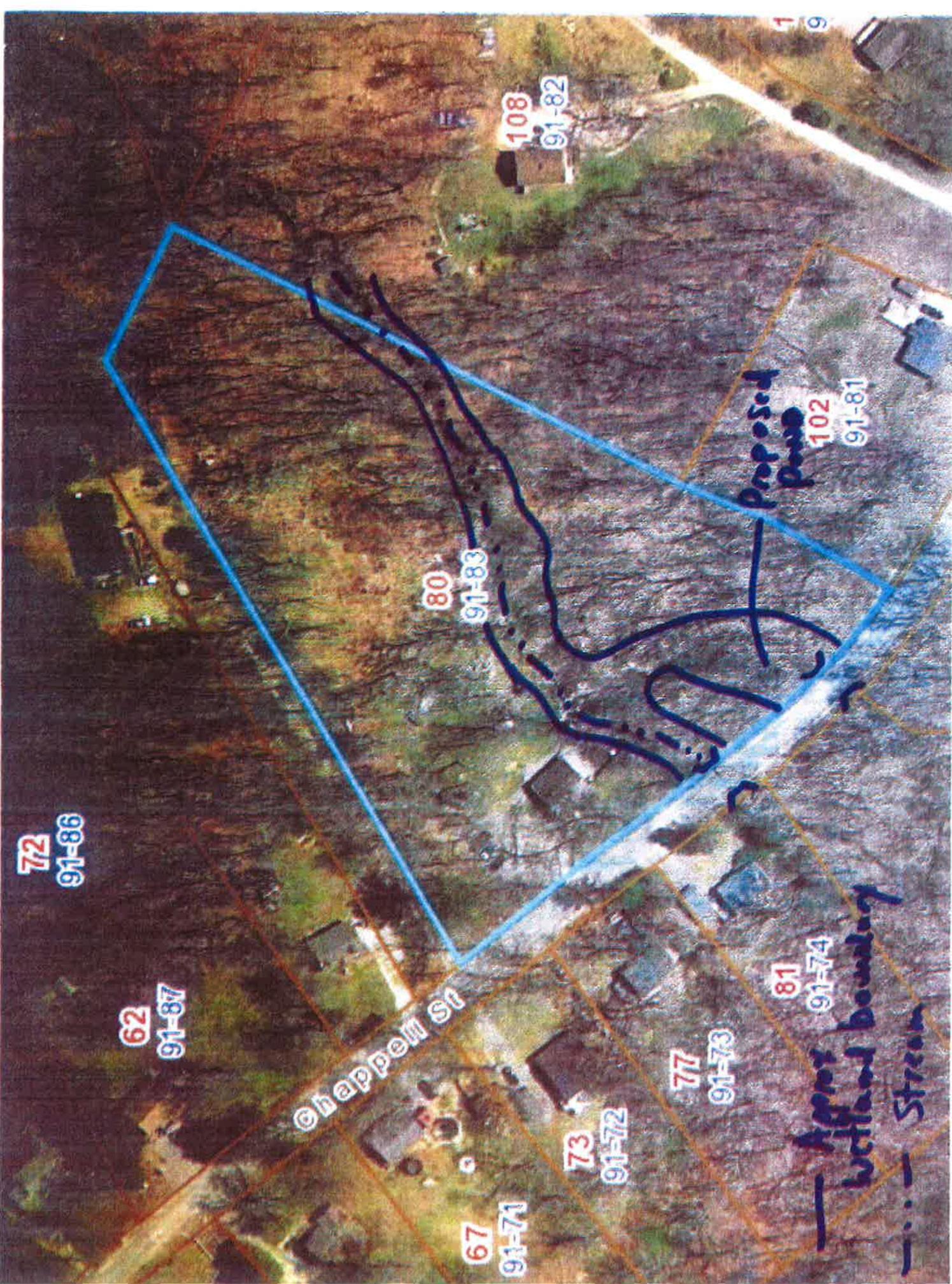
Sincerely,



Steven P Dumas
Principal Soil Scientist

w/attachments

ATTACHMENT A



72
91-86

62
91-87

Chappell St

67
91-71

73
91-72

80
91-83

77
91-73

81
91-74

108
91-82

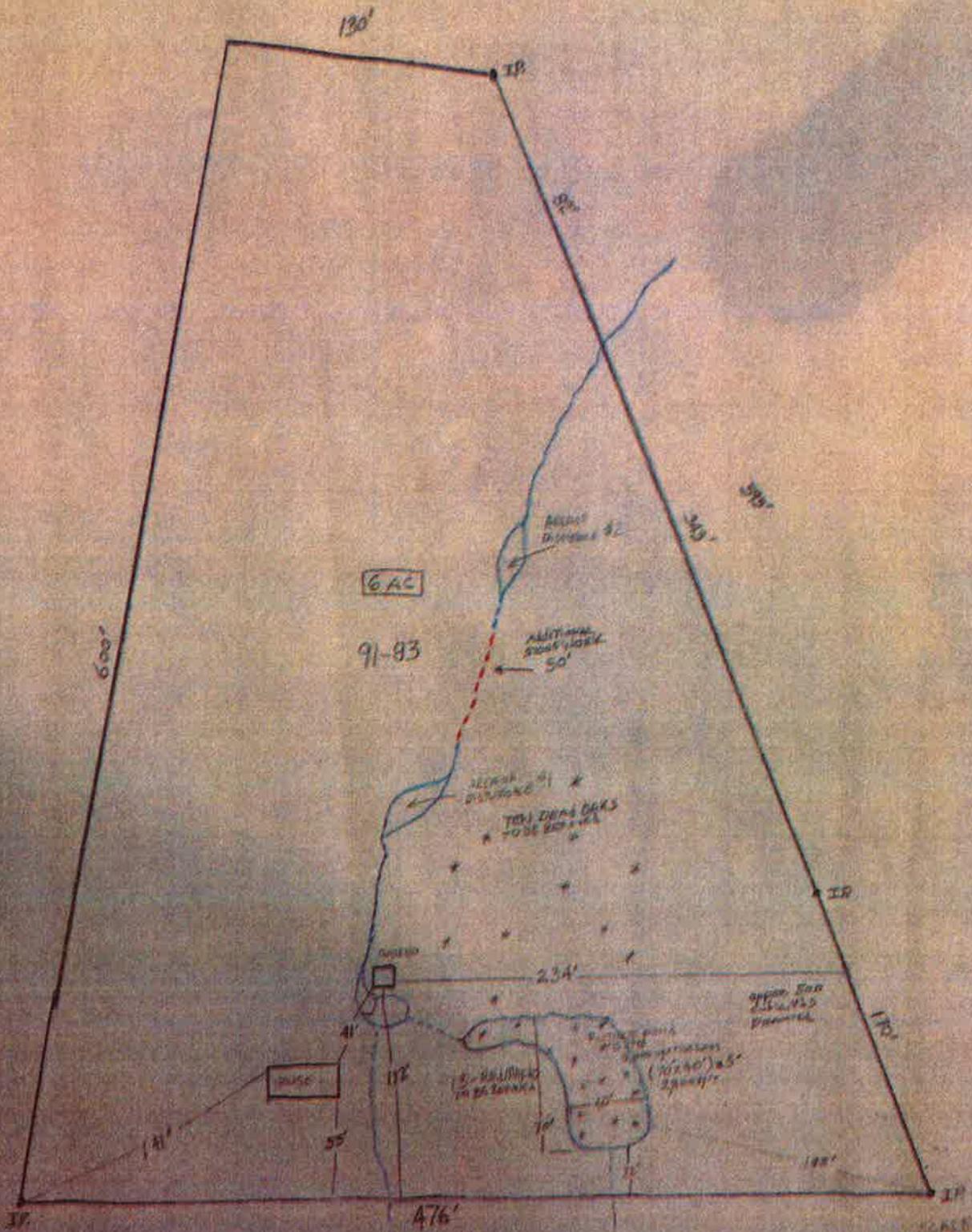
102
91-81

Proposed Pond

Appox wetland boundary

Stream

ATTACHMENT B



SCALE
 1" = 40'
 BOCHARD &
 CHAPLIN, C.

80-CHAPPELL STREET

80 CHAPPELL ST

"WORK ALREADY DONE"

- ① INSTALL FLAT ROCK CONTAINMENT, BOTH SIDES OF STREAM (KEEP WATER OUT OF BASEMENT)
- ② TWO POINTS OF STREAM MODIFICATION TO KEEP WATER WITHIN FLAT ROCK CONTAINMENT (SEE ENCLOSED PHOTOS AND MAP)
- ③ PULLED APPROX 10 VERY ROTTEN STUMPS FOR PASTURE
- ④ 12'x12' GAZEBO

"WORK NEEDED TO BE ADDRESSED"

- ① REMOVAL OF 15 DEAD RED OAKS KILLED BY GYPSY MOTH
- ② HAUL OFF STUMPS THAT HAVE BEEN PULLED
- ③ FINISH FLAT ROCK CONTAINMENT UPSTREAM - 50'

"FUTURE"

2800 SQ FT FARM POND 70'x40'
15 SWAMP RED MAPLES TO BE REMOVED (SEE MAP)
PLANTING OF STABILIZING TREES (HEMLOCKS) AND
OTHER STABILIZING SHRUBS ETC.
ANNUAL CLEANING OF STREAM POOLS OF LEAVES AND
DEBRIS