

AGENDA
Inland Wetland Agency
Regular Meeting
Monday, May 3, 2010
Council Chambers, Audrey Beck Building

Call to Order: 7:00 PM

Review of Minutes of Previous Meetings and Action Thereon:

4.05.2010 - Regular Meeting
4.14.2010 - Field Trip

Communications:

Conservation Commission: W1450 - Town of Mansfield - Healey easement
W1451 - Town of Mansfield - Regulation revision
GM monthly business memorandum

Old Business:

W1450 - Town of Mansfield - Healey easement path in buffer

W1451 - Town of Mansfield - IWA Regulation revision per new statute
(tabled pending a June 7, 2010 Public Hearing)

New Business:

Request for Modification:

W1452 - Shifrin - Mansfield Hollow Hydro Project

New Application:

W1453 - Gottmann - Gurleyville R - deck in 150' area

Reports of Officers and Committees:

Other Communications and Bills:

Informational re: Mansfield Retirement Community site improvements
UConn notice re: herbicide treatment of Swan Lake and Mirror Lake

Adjournment:

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DRAFT MINUTES
MANSFIELD INLAND WETLANDS AGENCY
Regular Meeting
Monday, April 5, 2010
Council Chambers, Audrey P. Beck Municipal Building

Members present: R. Favretti (Chairman), M. Beal, J. Goodwin, R. Hall (7:04 p.m.), K. Holt, G. Lewis, B. Pociask, P. Plante, B. Ryan
Alternates present: Kenneth Rawn
Alternates absent: F. Loxsom, Vera Stearns
Staff present: G. Meitzler (Wetlands Agent)

Chairman Favretti called the meeting to order at 7:02 p.m.

Minutes:

3-1-10 – Ryan MOVED, Beal seconded, to approve the 3-1-10 minutes as written. MOTION PASSED with all in favor except Pociask who disqualified himself.

Communications:

3-31-10 Wetlands Agent's Monthly Business report was noted.

Old Business:

W1447 - IWA Regulation Revisions 1-21-2010 Draft

Holt MOVED, Ryan seconded, that the Mansfield Inland Wetlands Agency adopt the attached Mansfield Inland Wetlands Regulation revisions, pursuant to the Connecticut General Statutes and State Regulations. The adopted regulation revisions were presented as a January 21, 2010 Draft at the Agency's March 1, 2010 Public Hearing, and are to become effective May 1, 2010.

The adopted regulation revisions have been referred to the Commissioner of the Department of Environmental Protection, the Mansfield Town Council, the Mansfield Conservation Commission, and Dennis O'Brien, Town Attorney.

These revised regulations have been drafted in the format of the Department of Environmental Protection Model Regulations, where are widely used by towns throughout the state and maintain statutory requirements very closely.

Staff is further instructed to forward a copy of the adopted regulations to the Commissioner of Environmental Protection.

MOTION PASSED with all in favor except Pociask who disqualified himself.

New Business:

W1450-Town of Mansfield-Healey Easement Path in Buffer

Goodwin MOVED, Holt seconded, to receive the application submitted by the Town of Mansfield (IWA File #1450) under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield for construction of a 12-foot wide by 250-foot long gravel surface access-way, at the rear of 476 Storrs Road, on property owned by Michael and Mary Healey, as shown on a map dated 4/15/09, and as described in other application submissions, and to refer said application to the staff and Conservation Commission for review and comment. MOTION PASSED UNANIMOUSLY.

W1451-Town of Mansfield-IWA Regulation Revisions per New State Statute

Goodwin MOVED, Hall seconded, to refer the regulation revisions that incorporate new State Statutes to the Commissioner of the DEP and the Town Attorney, and to set a Public Hearing on June 7, 2010. MOTION PASSED UNANIMOUSLY.

Reports of Officers and Committees:

Chairman Favretti set a Field Trip for 4/14/10 at 1pm.

Other Communications and Bills:

Noted.

Adjournment:

Favretti declared the meeting adjourned at 7:13 p.m.

Respectfully submitted,

Katherine Holt, Secretary

MINUTES

MANSFIELD INLAND WETLAND AGENCY/PLANNING AND ZONING COMMISSION FIELD TRIP

Special Meeting
Wednesday, April 14, 2010

Members present: R. Favretti, M. Beal, K. Holt, R. Hall
Staff present: G. Padick, Director of Planning
J. Kaufman, Parks and Recreation Coordinator
V. Wetherall, Open Space Committee
S. Lehman, Conservation Commission

The field Trip began at 1:10 p.m.

1. HEALEY, PROPERTY, 476 Storrs Road. IWA File #W1450
Members reviewed plans for a new driveway and associated fencing and drainage culvert. Site characteristics, particularly the location of wetland areas and site topography were observed. No decisions were made.
2. KIELBANIA PROPERTY, 483 Browns Road. PZC File #1292
Members were met by B. Kielbania and W. Wentworth. Members reviewed plans for a proposed permanent farm stand and associated parking areas and other site improvements. Particular attention was given to proposed driveways and parking areas and access to the sales area. Site and neighborhood characteristics were observed. No decisions were made.

The field trip ended at approximately 2:00 p.m.

Respectfully submitted,

K. Holt, Secretary

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Town of Mansfield
CONSERVATION COMMISSION
Meeting of 21 April 2010
Conference B, Audrey P. Beck Building
(DRAFT) MINUTES

Members present: Peter Drzewiecki, Quentin Kessel, Scott Lehmann, Frank Trainor. *Members absent:* Robert Dahn, John Silander, Joan Stevenson. *Others present:* Grant Meitzler (Wetlands Agent), Greg Padick (Town Planner); Neil Faccinetti, Karl Guillard, John Rickards (residents).

1. The meeting was **called to order** at 7:39p by Chair Quentin Kessel.

2. Public Comment. Neil Faccinetti expressed concerns about the potential ‘neighborhood effects’ of the University’s new turf research program at the agronomy farm on Spring Hill. These operations require additional water for irrigation, and four new production wells have been drilled; what effect might the extra withdrawal of groundwater have on nearby wells? The operations also involve surface applications of fertilizer and other chemicals; how might runoff affect water quality in nearby wells? There is supposed to be a monitoring program to assess these risks, but Mr. Faccinetti raised questions about its design and operation:

- Of the 4 deep monitoring wells called for, one is a production well that failed to supply sufficient water and was re-designated a monitoring well, while a second encountered a rock collapse during drilling. Can data from these defective wells really testify to the whether the withdrawals are mining groundwater in the area?
- Surface water quality is supposed to be monitored by testing for nitrates in 2 shallow wells. Is this sufficient, given that other chemicals are being used on the turf fields?
- There does not appear to be any provision for monitoring neighborhood wells. 4 such wells were monitored in 2008 during a test pumping from existing agronomy farm wells, but that was before the new production wells were drilled.
- Are monitoring instruments installed in the monitoring wells? How often are data collected? Will these data be made available to the public for review?

Greg Padick indicated that, while the Town has no jurisdiction over the use of State land, it’s his understanding that the University administration is willing to answer questions and to attempt to address concerns about land use issues. The Commission agreed unanimously (**motion:** Trainor, Drzewiecki) to invite the University to send representatives to its 5/19 meeting to answer questions from residents about well-monitoring at the agronomy farm. {Faccinetti, Guillard, & Rickards left the meeting.}

3. The draft **minutes of the 17 March 2010 meeting**, with deletion of the first return address on the letter to Denise Ruzicka, were approved.

4. **PZC referrals.** Padick outlined proposed amendments to zoning and subdivision regulations on which hearings are scheduled for 6/7. The Commission will discuss them at its May meeting.

- a. **Invasive species.** Sentences prohibiting use of invasive species (as defined by the DEP) in landscaping applications would be added to PZC regulations.
- b. **Aquifer protection.** Language designed to raise the profile of aquifer and public water supply protection would be added to PZC regulations. Applicants would be required to map aquifers within 500’ of a proposed development. Padick noted that the proposed language diverges somewhat from the Commission’s recommendations: (i) aquifer protection would be

the responsibility of the PZC (rather than the IWA), (ii) the new language speaks generally of “aquifers” rather than of “stratified drift aquifers”, (i) the pre-application reviews urged by the Commission are still being studied by the PZC.

5. Gag Rule. Padick passed along to the Commission a 19 April memo from the Town Clerk indicating that the Committee on Committees has recommended to the Town Council that the 2/3/00 Policy Regarding Advisory Committees’ Communications with Outside Agencies be reaffirmed without change.

6. Pleasant Valley rezoning. Padick summarized for the Commission a draft of proposed zoning changes for the area south of Pleasant Valley Rd. The Pleasant Valley Industrial Park Zone (a relic of the days when routing I-84 from Hartford to Providence was promoted as an economic development project) would be rezoned into three sections: RAR-90 to the west of Mansfield Avenue, Pleasant Valley Commercial Agriculture (PVCA), allowing limited commercial development, and Pleasant Valley Residence Agriculture (PVRA) to the east. This area has prime agricultural soils overlying a large aquifer, as well as significant scenic values, but it is also one of the few areas in town served by public water and sewer and therefore suitable for multi-family housing. This rezoning proposal, which the Commission will consider at its May meeting, is the PZC’s latest attempt to reconcile preservation and development here. Among other things, it would require a 500’ setback from Pleasant Valley Road for any structure. {Padick left the meeting.}

7. Kessel reported that:

- a. He and Padick will attend a **Natchaug River Basin Project** meeting on 4/29. This group is being organized to help implement a conservation action plan for the basin.
- b. Bonding authority for **open space** purchase will be on the November ballot.
- c. The DEP has written to Rich Miller regarding UConn’s permit for work on the **Swan L. outfall** asking for documents relating to concerns raised by the Commission about shortcomings in the UConn’s application for the permit and requesting that no work be done under the permit until the DEP has reviewed this material.
- d. A response from Baystate Environmental Consultants to the Commission’s concerns about the **Mirror L. dredging project** has been sent to the DEP, pursuant to its request for more information about the project. It is in the packet for this meeting.

8. IWA referrals.

- a. **W1450 (Town of Mansfield).** The Town has negotiated an easement across the Healy property in Mansfield Center to provide access from Bassetts Bridge Road to town-owned fields adjacent to the Old Mansfield Center Cemetery. A 12’ wide gated gravel road between Healy’s barn and the kettle bog is proposed to permit passage of mowing machinery. The Commission unanimously agreed (**motion:** Trainor, Drzewiecki) with Meitzler’s assessment that no significant impact on the bog is to be expected, provided standard erosion controls are employed during construction. {Lehmann participated in the 4/14 IWA field trip to this site; his report is attached.}
- b. **W1451 (Town of Mansfield).** A few sections of the Town’s wetlands regulations relating to the expiration of permits are to be slightly revised as required by a change in state statutes. No comment appears to be necessary or useful.

9. **Adjourned** at 9:21p. Next meeting: 7:30p, Wednesday, 19 May 2010

Scott Lehmann, Secretary, 23 April 2010

Attachment: Report on 14 April 2010 IWA Field Trip

W1450 (Healey Property, 476 Storrs Rd). This is a remnant of the Eaton Farms property in Mansfield Center, extending from relatively narrow frontage on Rte 195 back to the kettle bog. The Town is negotiating a right-of-way across the slight slope between the old barn and the bog to provide pedestrian and farm access from Bassetts Bridge Rd to Town-owned land between the Healey property and the Old Mansfield Cemetery, and is proposing to construct a 12' wide gravel road here for haying operations. There is not much distance between the barn and the bog – the edge of the proposed road would be only about 25' from the bog. However, a road of this sort would probably protect the bog from the sedimentation to be expected, were farm machinery simply driven over the grassy slope.

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Memorandum:

April 27, 2010

To: Inland Wetland Agency
From: Grant Meitzler, Inland Wetland Agent
Re: Monthly Business

WI419 - Chernushek - hearing on Order

- 3.10.09: The hearing on the Order remains open and should continue until the permit application under consideration is acted upon.
(The Order was dropped on approval of the application required in the Order.)
- 4.30.09: Former rye grass seeding is beginning to show green. I spoke with Mr. Chernushek this afternoon who indicated health problems that delayed his starting but indicated he will be working this weekend. I will update on this Monday evening.
- 5.26.09: A light cover of grass growth has come in. Mr. Chernushek indicates health problems and two related deaths have delayed his start of work since the permit approval was granted. It appears that some light work has started. He has further indicated that he will start a vacation on June 22, 2009 to finish the work.
- 6.13.09: Work is underway.
- 6.21.09: Bulldozer work has been completed - finish work remains. The additional silt fencing has been placed along the northerly wetlands crossing, and the additional pipe under the southerly crossing has been installed. Remaining work includes finish grading along edges, spreading stockpiled topsoil, and establishing grass growth.
- 7.01.09: I spoke with Mr. Chernushek who indicated he expects work to be completed by September 1, 2009. (Site photo attached).
- 9.03.09: Mr. Chernushek has been working on levelling and grading. The formerly seeded areas have become fairly thick growth surrounding the central wet areas. He has further indicated that with the combination of weather and the slower moving of earth with the payloader compared to the earlier rented bulldozer has led him to contact contractors for earth moving estimates which have not yet been received. The site is not yet finished but has remained quite stable.
- 9.12.09: I met with Mr. Chernushek today and discussed again what his plans are for stabilizing this work site.
- 10.01.09: Mr. Chernushek indicated he has not heard back from the contractor he had spoken with about removing material, and is in progress of contacting others. In discussion is removal of material from the site either within the 100 cubic yard limit or obtaining a permit for such removal.
- 10.28.09: Mr. Chernushek has indicated he has made arrangements with DeSiato Sand & Gravel to remove 750 cubic yards of material. Staff is in the process of clarifying permit requirements.

WI445 - Chernushek - application for gravel removal from site

- 11.30.09: Packet of information representing submissions by Mr. Chernushek, Mr. DeSiato and myself is in this agenda packet as Mr. Chernushek's request for modification.
- 12.29.09: Preparation of required information for PZC special permit application is in progress. Tabling any action until the February 1, 2010 meeting is recommended.
- 1.12.10: 65 day extension of time received.

- 2.18.10: No new information has been received.
2.25.10: This application has been withdrawn.

Mansfield Auto Parts - Route 32

- 12.08.08: Inspection - no vehicles are within 25' of wetlands.
1.16.09: Inspection - no vehicles are within 25' of wetlands.
2.24.09: Inspection - no vehicles are within 25' of wetlands.
3.06.09: Inspection - no vehicles are within 25' of wetlands.
4.14.09: Inspection - no vehicles are within 25' of wetlands.
5.11.09: Inspection - no vehicles are within 25' of wetlands.
6.10.09: Inspection - no vehicles are within 25' of wetlands.
7.16.09: Inspection - no vehicles are within 25' of wetlands.
8.12.09: Inspection - no vehicles are within 25' of wetlands.
9.14.09: Inspection - no vehicles are within 25' of wetlands.
10.27.09: Inspection - no vehicles are within 25' of wetlands.
11.30.09: Inspection - no vehicles are within 25' of wetlands.
12.28.09: There are two cars that need to be moved. Mr. Bednarczyk indicates their payloader is down for repairs and the cars will be moved as soon as it is repaired.
1.27.10: No change - the payloader is apart with parts on order to complete repairs. It is of 1986 vintage and finding parts is a major proposition.
2.18.10: Same - they are in the process of rebuilding the engine on the payloader.
3.30.10: Same - Mr. Bednarczyk indicates a continuing problem finding engine parts.
4.13.10: Owner indicates the payloader is operating again.
4.15.10: Owner indicates he will have the cars moved this week.
4.23.10: **No vehicles are within 25' of wetlands.**

Memorandum:

April 28, 2010

To: Inland Wetland Agency

From: Grant Meitzler, Inland Wetland Agent

Re: W1450 - Town of Mansfield - Healey easement path in buffer

plan reference: dated 4.15.2009

The town owns two parcels here that are separated by the Healey property at 476 Storrs Rd. The two parcels are:

1. the land adjacent to and south of the Mansfield Center cemetery,
2. the land fronting on Bassetts Bridge Rd surrounding the Eaton house.

Pursuing the connection of these two parcels for a combination of pedestrian and maintenance equipment, Jennifer Kaufman has been working for a considerable time to arrive at an easement location that is agreeable to the Healeys and meets the town's requirements. This application is for the construction of an access trail suitable for mowing equipment and pedestrian use connecting the two parcels.

The proposed work will place a 12' wide gravel pathway within 150' of the large bog at the rear of the Healey property. The trail is located in the upland area of the easement with fencing to keep any foot traffic away from the commercial areas on the Healey land. Fencing is to be placed to maintain this separation of use, with appropriate gating.

Silt fencing has been placed along the side of the pathway towards the wetland edge.

There is a state owned drain coming from Route 195 that outlets at the front property line of the Healey property and runs to the rear through a grassed swale. In order to maintain this drainage route a 24" pipe has been placed under the trail and outletting at the edge of the bog with appropriate rip-rap outlet protection shown.

I believe that potential impact will be limited to the period of construction and the plan provides for appropriate protection against such impact.

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Wetlands DRAFT Motion for: HEALEY / MANSFIELD

Holt _____ moves and _____ seconds to grant/deny an Inland Wetlands License under Section 5 of the Wetlands and Watercourses Regulations of the

Town of Mansfield to The Town of Mansfield

(file W 1450) for construction of a 12-foot wide, 250-foot long gravel access way

gravel

on property owned by Michael and Mary Healey

located at 476 Storrs Road

as shown on a map dated April 15, 2009 revised through _____

and as described in other application submissions, and ~~as heard at Public Hearing(s) on~~ _____

This action is based on a finding of no anticipated significant impact on the wetlands, and is conditioned upon the following provisions being met:

- 1) Appropriate erosion and sedimentation controls (as shown on the plans) shall be in place prior to construction, maintained during construction and removed when disturbed areas are completely stabilized;
- ? 2) Maps shall not be signed until all DEP permit requirements have been addressed;

HEALEY

(last) This approval is valid for a period of five years (until May 3, 2015), unless additional time is requested by the applicant and granted by the Inland Wetlands Agency. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this agency for further review and comment.

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April 16, 2010 Draft

Proposed Revisions to Mansfield's Inland Wetlands Regulations
Re: IWA Permit & Renewal Time Periods

(New provisions are underlined or otherwise indicated)

(Deletions are bracketed or otherwise indicated)

(Explanatory Notes are provided to assist with an understanding of the proposed revisions. These notes are not part of the proposed zoning revisions.)

A. Proposed Inland Wetlands Regulation Revisions:

1. Revise Section 7.9 to read as follows:

9. Any application to renew a permit shall be granted upon request of the permit holder unless the Agency finds that there has been a substantial change in circumstances which requires a new permit application or an enforcement action has been undertaken with regard to the regulated activity for which the permit was issued provided a) no permit issued during the time period from July 1, 2006, to July 1, 2009, inclusive, shall be valid for more than eleven years; and b) no permit issued prior to July 1, 2006 or after July 1, 2009 may be valid, including renewal periods, for more than ten years.

2. Revise Section 11.7 to read as follows:

7. Any permit issued by the Agency prior to July 1, 2006 or after July 1, 2009 for the development of land for which an approval is required under Section 8-3, 8-25 or 8-26 of the Connecticut General Statutes shall be valid for five years, provided the Agency may establish a specific time period within which any regulated activity shall be conducted. Any permit issued by the Agency prior to July 1, 2006 or after July 1, 2009 for any other activity shall be valid for not less than two years and not more than five years. Any permit issued by the Agency during the time period from July 1, 2006 or after July 1, 2009, inclusive, shall expire not less than six years after the date of such approval.

Explanatory Note:

The proposed revisions are per 2009 Legislation which amended Section 22a-42a of the Connecticut Inland Wetlands and Watercourses Act.

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Memorandum:

April 28, 2010

To: Inland Wetland Agency

From: Grant Meitzler, Inland Wetland Agent

Re: New Business for the May 3, 2010 meeting

Request for Modification:

W1452 - Shifrin - Mansfield Hollow Hydro Project

	yes	no
	-----	-----
fee paid	X	
certified receipts	n.a.	
map dated	4.26.2010	

This modification request is for:

- a. relocation of the building housing the turbines from a location directly adjacent to the drive behind the mill building to a point approximately 10' before the beginning of the outlet raceway.

The building has been moved farther downstream (50') along the route water will take from the inlet through the turbines and back to the river.

- b. a shift of the route of a portion of the inlet conduit to run straight to the new turbine building location.

200' of the inlet conduit is shifted to the new building location. The inlet conduit will move closer to the river by 25'. The first 100' of this inlet conduit remains unchanged.

These location shifts are occasioned by borings and excavations in the area of former building showing a combination of heavy concrete foundation structure near the surface of the ground and ledge at a depth of only 18".

I do recommend adding a double row of silt fence along the downhill side of the inlet conduit and building locations to limit sediment ovement to the river during construction.

The original approval from 2006 is attached. You will note this contained a condition for modification based on other agency reviews. The current changes arise from the fine tuning of the construction plans by Mr. Shifrin based on costs and potential for impact to the mill building that could occur with extensive ledge removal.

Within the scope of this project I think these changes can be considered as minor. As time is of the essence for completion of this work in one construction season, Mr. Shifrin has asked for prompt consideration. I recommend either action at this May 3, 2010 meeting, or scheduling a special meeting for May 17, 2010 after a field trip can be scheduled.

New Application:

W1453 - Gottmann - Gurleyville R - deck within 150' area

	yes	no
	-----	-----
fee paid	X	
certified receipts	X	
map dated	4.26.2010	

This application requests permission for a deck located within the 150' regulated area adjacent to wetlands. The actual separation distance is 63'.

Receipt and referral to the Conservation Commission is appropriate.

APPLICATION FOR PERMIT
MANSFIELD INLAND WETLANDS AGENCY
4 SOUTH EAGLEVILLE ROAD, STORRS, CT 06268
TEL: 860-429-3334 OR 429-3330
FAX: 860-429-6863

FOR OFFICE USE ONLY

File #
W 1452
Fee Paid 50.00
Official Date of Receipt 4-28-10

Applicants are referred to the Mansfield Inland Wetlands and Watercourses Regulations for complete requirements, and are obligated to follow them. For assistance, please contact Grant Meitzler, Inland Wetlands Agent at the telephone numbers above.

Please print or type or use similar format for computer; attach additional pages as necessary.

MODIFICATION REQUEST.

Part A - Applicant

Name SAM & MICHELLE SHIPPIN

Mailing Address 78 BRICKTOP RD, WINDHAM, CT 06280

Zip _____

Telephone-Home 860-423-3731 Telephone-Business 860-423-7800

Title and Brief Description of Project

MANSFIELD HOLLOW HYDRO - HYDRO POWER
FACILITY AT THE KIRBY MILL

Location of Project THE KIRBY MILL, 114 MANSFIELD HOLLOW RD.

Intended Start Date JUNE 2010

Part B - Property Owner (if applicant is the owner, just write "same")

Name SAME

Mailing Address _____

Zip _____

Telephone-Home _____ Telephone-Business _____

Owner's written consent to the filing of this application, if owner is not the applicant:

Signature _____ date _____

Applicant's interest in the land: (if other than owner) N/A

Part C - 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 – page 6.)

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

- a) **in** the wetland/watercourse
- b) **in** the area **adjacent** to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is **off** your property

THIS IS A REQUEST TO MODIFY THE EXISTING WETLANDS LICENSE AS FOLLOWS:

A ADJUST LOCATION OF POWER HOUSE & HEAD RACE TO REDUCE LEDGE REMOVAL

& REDUCE SIZE & HEIGHT OF POWER HOUSE

PLEASE SEE ATTACHED SITE PLAN (MODIFICATION PLAN, MANSEFIELD HOLLOW HYDRO, APRIL 26, 2010)

2) Describe the amount or area of disturbance (in square feet or cubic yards or acres):

- a) **in** the wetland/watercourse
- b) **in** the area **adjacent** to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is **off** your property

SAME AS EXISTING LICENSE

3) Describe the type of materials you are using for the project:

SAME

a) include **type** of material used as fill or to be excavated

b) include **volume** of material to be filled or excavated

SAME

4) Describe measures to be taken to minimize or avoid any adverse impacts on the wetlands and regulated areas (silt fence, staked hay bales or other Erosion and Sedimentation control measures).

SAME - EXTENSIVE ERS PLAN

Part D - Site Description

Describe the general character of the land. (Hilly? Flat? Wooded? Well drained? etc.)

SAME

Part E - Alternatives

Have you considered any alternatives to your proposal that would meet your needs and might have less impact on the wetland/watercourse? Please list these alternatives.

YES - MULTIPLE OPTIONS CONSIDERED

Part F - 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" = 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 – page 6.)**

2) Applicant's map date and date of last revision APRIL 26, 2010

3) Zone Classification _____

4) Is your property in a flood zone? Yes No Don't Know

Part G - Major Applications Requiring Full Review and a Public Hearing

See Section 6 of the Mansfield Regulations for additional requirements.

Part H - Notice to Abutting Property Owners

1) List the names and addresses of abutting property owners

Name Address

N/A

2) **Written Notice to Abutters** . You must notify abutting property owners by certified mail, return receipt requested, stating that a wetland application is in progress, and that abutters may contact the Mansfield Inland Wetlands Agent for more information. Include a brief description of your project. **Postal receipts of your notice to abutters must accompany your application.** (This is not needed for exemptions).

Part I - Additional Notices, if necessary

1) Notice to Windham Water Works is attached. If this application is in the public watershed for the Windham Water Works (WWW), you must notify the WWW of your project within 7 days of sending the application to Mansfield--sending it by certified mail, return receipt requested. Contact the Mansfield Inland Wetlands Agent to find out if you are in this watershed.

2) Notice to Adjoining Town. If your property is within 500 feet of an adjoining town, you must also send a copy of the application, on the same day you sent one to Mansfield, to

the Inland Wetlands Agency of the adjoining town, by certified mail, return receipt requested.

- 3) The Statewide Reporting Form (attached) shall be part of the application and specified parts must be completed and returned with this application.

Part J - Other Impacts To Adjoining Towns, if applicable

- 1) Will a significant portion of the traffic to the completed project on the site use streets within the adjoining municipality to enter or exit the site? ___ Yes ___ No ___ Don't Know
- 2) Will sewer or water drainage from the project site flow through and impact the sewage or drainage system within the adjoining municipality? ___ Yes ___ No ___ Don't Know
- 3) Will water run-off from the improved site impact streets or other municipal or private property within the adjoining municipality? ___ Yes ___ No ___ Don't Know

Part K - Additional Information from the Applicant

Set forth (or attach) any other information which would assist the Agency in evaluating your application. *(Please provide extra copies of any lengthy documents or reports, and extra copies of maps larger than 8.5" x 11", which are not easily copied.)*

Part L - Filing Fee

Submit the appropriate filing fee. (Consult Wetlands Agent for the fee schedule available in the Mansfield Inland Wetlands and Watercourses Regulations.)

___ \$1,000. ___ \$750. ___ \$500. ___ \$250. ___ \$125. ___ \$100. \$50. ___ \$25.

___ \$60 State DEP Fee

Note: The Agency may require you to provide additional information about the regulated area which is the subject of the application, or about wetlands or watercourses affected by the regulated activity. If the Agency, upon review of your application, finds the activity proposed may involve a "significant activity" as defined in the Regulations, additional information and/or a public hearing may be required.

The undersigned applicant hereby consents to necessary and proper inspections of the above mentioned property by members and agents of the Inland Wetlands Agency, at reasonable times, both before and after the permit in question has been granted by the Agency.

Sam Shifrin Michelle Shifrin 9/27/2010
Applicant's Signature Date



TOWN OF MANSFIELD
INLAND WETLAND AGENCY

AUDREY P. BECK BUILDING
FOUR SOUTH EAGLEVILLE ROAD
STORRS, CONNECTICUT 06268
(203) 429-3334

April 6, 2006

Sam and Michelle Shifrin
114 Mansfield Hollow Road
Mansfield, CT 06250

Re: Mansfield Inland Wetland Agency approval for hydropower project at Kirby Mill (file W1339)

Dear Mr. and Mrs. Shifrin:

At a regular meeting held on April 3, 2006, the Mansfield Inland Wetland Agency adopted the following motion:

"to grant an Inland Wetlands License under Section 5 of the Wetlands and Watercourses Regulations of the Town of Mansfield to Sam and Michelle Shifrin (file W1339) for a hydropower project at the Kirby Mill in Mansfield Hollow on property owned by the applicant located at 114 Mansfield Hollow Road, as shown on plans dated January 31, 2006 revised to 3/6/06, and as described in other application submissions, and as heard at Public Hearings on 3/6/06. This action is based on a finding of no anticipated significant anticipated impact on the wetlands and is conditioned upon the following provisions being met:

1. Appropriate erosion and sedimentation controls (as shown on the plans) shall be in place prior to construction, maintained during construction and removed when disturbed areas are completely stabilized;
2. All required approvals from other agencies shall be obtained before this approval becomes effective;
3. Final plans, including all changes required by such other agencies, shall be submitted to the Inland Wetland Agency for review and approval as a modification to the present approval;
4. The final plans shall include definition of tree removal and preservation areas to insure appropriate stabilization of the riverbank areas;
5. This approval is valid for a period of five years (until April 3, 2011), unless additional time is requested by the applicant and granted by the Inland Wetland Agency. The applicant shall notify the Wetlands Agent before any work begins, and all work shall be completed within one year. Any extension of the activity period shall come before this agency for further review and comment."

If you have any questions regarding this action, you may contact Wetlands Agent Grant Meitzler at 429-3334. This letter constitutes your License.

Very truly yours,

Katherine K. Holt, Secretary
Mansfield Inland Wetland Agency

PAGE
BREAK

Sam and Michelle Shifrin
78 Bricktop Rd.
Windham, CT 06280
April 27, 2010

Mansfield Planning and Zoning Commission & Inland Wetland Agency
Chairman, Mr. Rudy Favretti
Audrey P. Beck Municipal Building
4 South Eagleville Road
Mansfield, CT 06268

Subject: Minor modification to Hydropower License at the Kirby Mill.

Dear Chairman Favretti,

We are continuing to pursue the installation of hydropower at the Kirby Mill. As you know, this has taken a significant effort for a very long period of time (initial contact with PZ&Wetlands Commissions was October of 2004).

Although all permits are in place, while finalizing construction drawings in preparation for acquiring building permits, it has become apparent that we need to make some minor modifications to the approved site plan. The modifications are needed in order to reduce the amount of ledge removal, and to reduce the overall project costs to a feasible level. The changes are shown on the attached "Modification Plan, Mansfield Hollow Hydro, dated April 26, 2010" and as shown on the "Power House renderings dated April 20, 2010". They include:

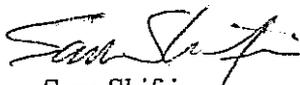
- Adjustment to the location of the power house.
- Adjustment of the location of the head race to the power house.
- Reduction in power house building size and height.

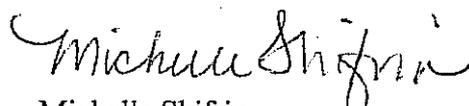
If you would like, I would be very pleased to meet with you at the Kirby Mill to review the modifications. Mr. Grant Miesler has had the opportunity to visit the site and I am sure would be able to provide you his opinion of our request.

We are still planning to begin construction this spring. Should you approve the modifications, we will need to develop construction drawings and have them reviewed / approved by FERC (already done on the current design). Because of this required effort and the encroaching schedule, timing is important for us and as such, we hope you will be able to approve this modification quickly through office / staff action.

If you need any additional information or would like to discuss this request, we would be very pleased to meet with you (or others) at your convenience. Thank you very much for your consideration in this matter. We can be reached at 423-7800 (day) or 423-3731 (evening) and look forward to hearing from you.

Sincerely,


Sam Shifrin


Michelle Shifrin

Cc: Mr. Gregory Padick, Director of Planning
Mr. Grant Miesler, Wetlands Agent

4-03-2006 approval map.

MODIFIED RIP RAP
EXCAVATED FOR
APPROXIMATELY 620 C.Y.
TAIL RACE INSTALLATION

LIMIT OF FIELD DELINEATED WETLANDS
PER MAP REFERENCE #4

CONCRETE
TAILRACE

ALONG
RIVER

CLOSING LINE - TYPICAL
S 69°-51'-45" W
197.91'

AUG
-48" W 156.77'

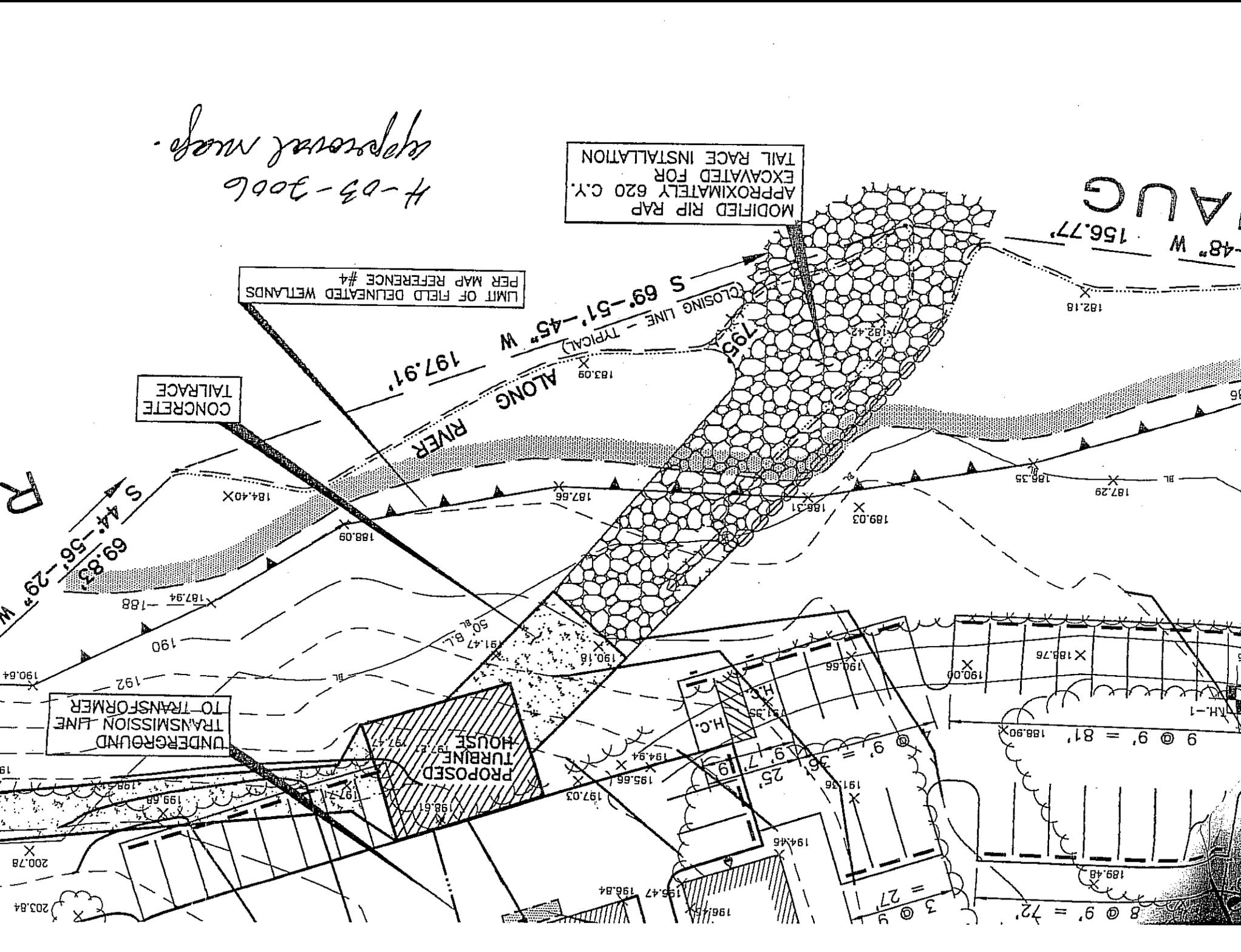
R

S 44°-56'-29" W
69.83'

UNDERGROUND
TRANSMISSION LINE
TO TRANSFORMER

PROPOSED
TURBINE
HOUSE

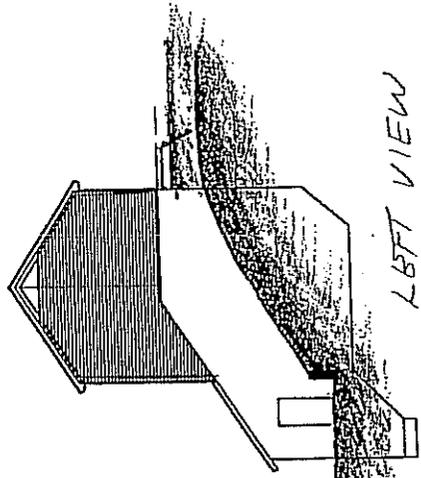
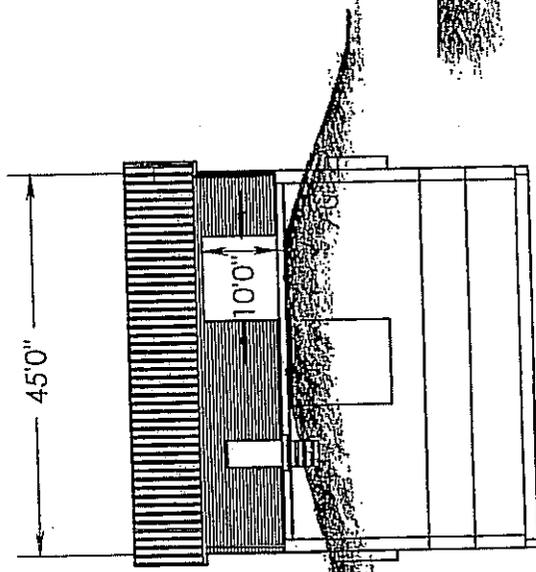
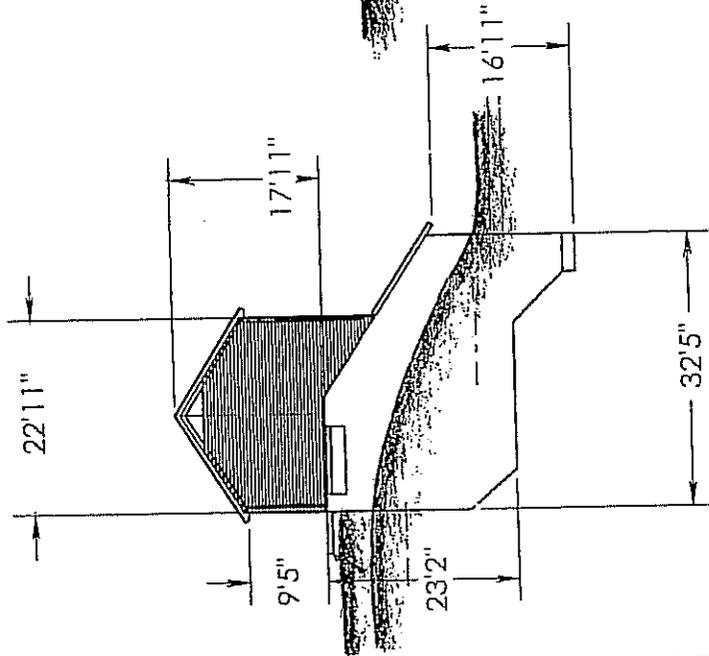
H.C.



ENGINEERING CHANGE

REV. INIT. DATE

DESCRIPTION



Mansfield Hollow
Hydro

TITLE: POWER HOUSE

SCALE NONE DATE 4/20/10
DRAWN BY SJS SHT NO.
DWG. NO. REV

MACHINING LIMITS
UNLESS OTHERWISE SPECIFIED:

THIS DOCUMENT IS THE PROPERTY OF
Mansfield Hollow Hydro
WINDHAM, CONN.
AND IS NOT TO BE REPRODUCED OR USED TO
FURNISH INFORMATION TO ANYONE EXCEPT
WHERE PROVIDED FOR BY AGREEMENT
WITH Mansfield Hollow Hydro

MATERIAL
HARDNESS
FINISH

APPLICATION FOR PERMIT
MANSFIELD INLAND WETLANDS AGENCY
4 SOUTH EAGLEVILLE ROAD, STORRS, CT 06268
TEL: 860-429-3334 OR 429-3330
FAX: 860-429-6863

FOR OFFICE USE ONLY

File #
W 1453
Fee Paid 185
Official Date of Receipt _____

Applicants are referred to the Mansfield Inland Wetlands and Watercourses Regulations for complete requirements, and are obligated to follow them. For assistance, please contact Grant Meitzler, Inland Wetlands Agent at the telephone numbers above.

Please print or type or use similar format for computer; attach additional pages as necessary.

Part A - Applicant

Name Karen + Clifford Gottmann

Mailing Address 580 Gurleyville Rd

Storrs CT Zip 06268

Telephone-Home 860-429-1097 Telephone-Business Cell 860-918-3066

Title and Brief Description of Project

Deck

Location of Project 580 Gurleyville Rd. Storrs

Intended Start Date Mid-June 2010

Part B - Property Owner (if applicant is the owner, just write "same")

Name Same

Mailing Address _____

Zip _____

Telephone-Home _____ Telephone-Business _____

Owner's written consent to the filing of this application, if owner is not the applicant:

Signature _____ date _____

Applicant's interest in the land: (if other than owner) _____

Part C - 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 – page 6.)

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

- a) in the wetland/watercourse
- b) in the area **adjacent** to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is **off** your property

B Adjacent to wetlands - 4 surface footings in support of Pressure treated deck, closest work is 63' from wetland

A - No work in wetlands

2) Describe the amount or area of disturbance (in square feet or cubic yards or acres):

- a) in the wetland/watercourse
- b) in the area **adjacent** to (within 150 feet from the edge of) the wetland/watercourse, even if wetland/watercourse is **off** your property

B 24 Footings 324 square foot deck surface

A - No work 30 cubic feet total footing

3) Describe the type of materials you are using for the project:

16" concrete block over 16x2" paver stone. Block filled with concrete with bolt to hold blocks

a) include **type** of material used as fill or to be excavated concrete block

b) include **volume** of material to be filled or excavated 30 cubic feet

4) Describe measures to be taken to minimize or avoid any adverse impacts on the wetlands and regulated areas (silt fence, staked hay bales or other Erosion and Sedimentation control measures).

Disturbance minimal if at all

Part D - Site Description

Describe the general character of the land. (Hilly? Flat? Wooded? Well drained? etc.)

Sloping, well drained

Part E - Alternatives

Have you considered any alternatives to your proposal that would meet your needs and might have less impact on the wetland/watercourse? Please list these alternatives.

No real Alternative to create a usable deck accessible from
existing interior walk paths/hallways

Part F - 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" = 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 – page 6.)**

- 2) Applicant's map date and date of last revision _____
- 3) Zone Classification _____
- 4) Is your property in a flood zone? Yes No Don't Know

Part G - Major Applications Requiring Full Review and a Public Hearing

See Section 6 of the Mansfield Regulations for additional requirements.

Part H - Notice to Abutting Property Owners

1) List the names and addresses of abutting property owners

Name	Address
Norman Kelly	546 Gurlayville Rd Storrs
Hans Franzen	584 Gurlayville Rd Storrs
Scott Plimpton	627 Wormwood Hill Rd Mansfield Center

wetlands application in process for deck within 150' of wetlands
If questions call 860-429-3334

2) **Written Notice to Abutters** . You must notify abutting property owners by certified mail, return receipt requested, stating that a wetland application is in progress, and that abutters may contact the Mansfield Inland Wetlands Agent for more information. Include a brief description of your project. **Postal receipts of your notice to abutters must accompany your application.** (This is not needed for exemptions).

Part I - Additional Notices, if necessary

- 1) Notice to Windham Water Works is attached. If this application is in the public watershed for the Windham Water Works (WWW), you must notify the WWW of your project within 7 days of sending the application to Mansfield—sending it by certified mail, return receipt requested. Contact the Mansfield Inland Wetlands Agent to find out if you are in this watershed.
- 2) Notice to Adjoining Town. If your property is within 500 feet of an adjoining town, you must also send a copy of the application, on the same day you sent one to Mansfield, to

the Inland Wetlands Agency of the adjoining town, by certified mail, return receipt requested.

- 3) The Statewide Reporting Form (attached) shall be part of the application and specified parts must be completed and returned with this application.

Part J - Other Impacts To Adjoining Towns, if applicable

- 1) Will a significant portion of the traffic to the completed project on the site use streets within the adjoining municipality to enter or exit the site? ___ Yes No ___ Don't Know
- 2) Will sewer or water drainage from the project site flow through and impact the sewage or drainage system within the adjoining municipality? ___ Yes No ___ Don't Know
- 3) Will water run-off from the improved site impact streets or other municipal or private property within the adjoining municipality? ___ Yes No ___ Don't Know

Part K - Additional Information from the Applicant

Set forth (or attach) any other information which would assist the Agency in evaluating your application. (Please provide extra copies of any lengthy documents or reports, and extra copies of maps larger than 8.5" x 11", which are not easily copied.)

Part L - Filing Fee

Submit the appropriate filing fee. (Consult Wetlands Agent for the fee schedule available in the Mansfield Inland Wetlands and Watercourses Regulations.)

___ \$1,000. ___ \$750. ___ \$500. ___ \$250. \$125. ___ \$100. ___ \$50. ___ \$25.

___ \$60 State DEP Fee X #185
Check # 4836

Note: The Agency may require you to provide additional information about the regulated area which is the subject of the application, or about wetlands or watercourses affected by the regulated activity. If the Agency, upon review of your application, finds the activity proposed may involve a "significant activity" as defined in the Regulations, additional information and/or a public hearing may be required.

The undersigned applicant hereby consents to necessary and proper inspections of the above mentioned property by members and agents of the Inland Wetlands Agency, at reasonable times, both before and after the permit in question has been granted by the Agency.


Applicant's Signature

4/27/10
Date

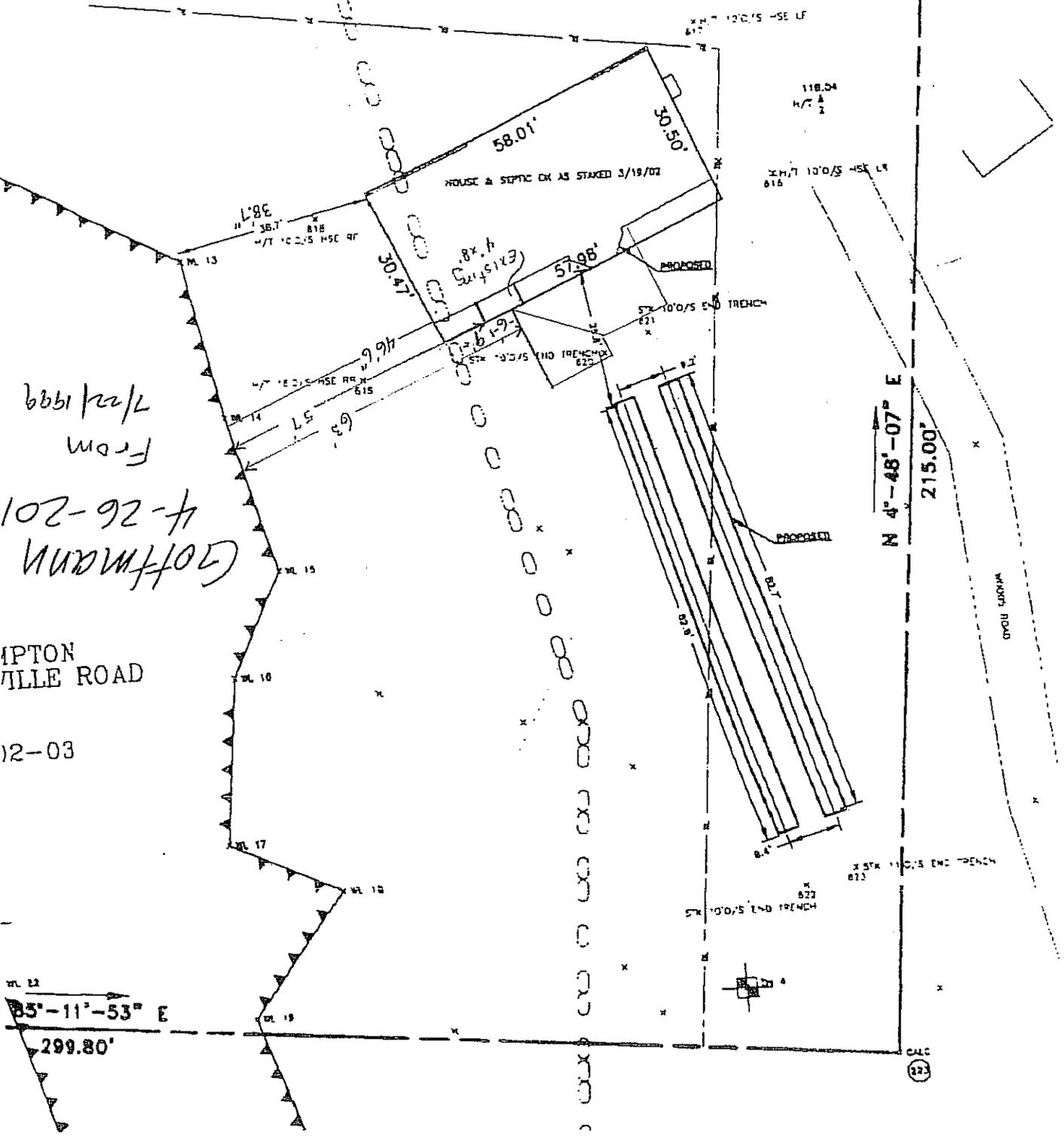
to Gardenville Rd

DFT = 0.41
1:276
I.P. FND
HELD FOR L&E

S 83°-07'-53" E
150.00'

CALC
218
S 83°-
50

1077
I.P. FND
DIFF = 0.40



From
7/22/1999
4-26-2010
GOTTMANN

IPTON
VILLE ROAD

12-03

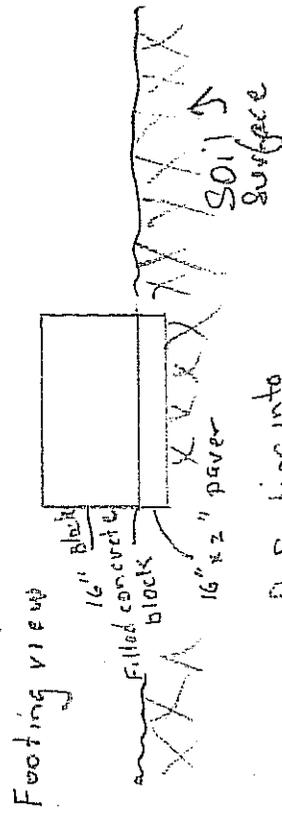
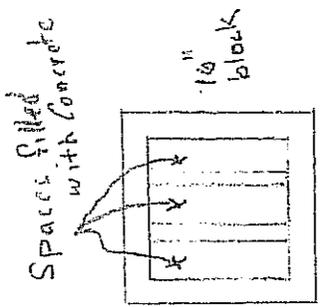
N 5°-11'-53" E
299.80'

N 4°-48'-07" E
215.00'

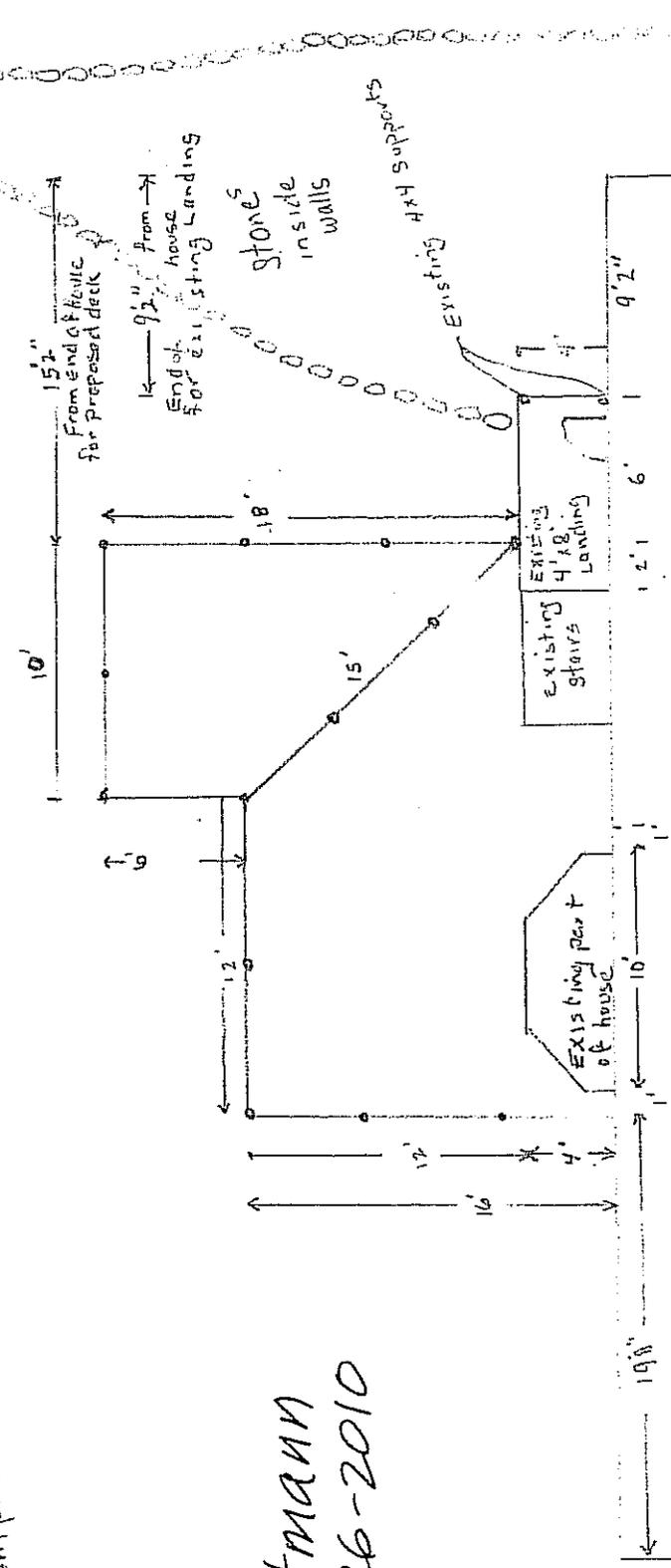
WOOD ROAD

CALC
223

- Footings on each corner minimum 6' apart
- Footings will be filled 16" concrete blocks sitting on top of 16" x 2" concrete paving stone all of which will be on top of compacted earth.



Depth of Sinking into soil base on depth of Compaction



Crottman
 4-26-2010

Town of Mansfield
Inland Wetland Agent
4 South Eagleville Road
Storrs, Conn. 06268

W1449 MARC

Chris,

April 14, 2010

I have reviewed your plans for the Stormwater Management Plan for the Mansfield Retirement Community, Inc. dated 3-17-2010 and find them in complete conformance with the Mansfield Wetlands Agency's earlier contingent approval that required submission of detailed final plans for review by staff for conformance with the descriptions presented to the Agency at its March 1, 2010 meeting.

I had noted at the time of our site walk that some tree removal would probably be necessary at the drainage outlet on sheet 4 of 5 in order to gain the retention capacity that seemed warranted. This is not a significant change from the earlier work descriptions.

I would appreciate a phone call or e-mail when work is ready to start. I can be reached directly at 1-860-429-3334.

Thank you -

Grant Meitzler, P.E.
Inland Wetland Agent

From: Chris Gagnon [mailto:cgagnon@godfreyhoffman.com]
Sent: Wednesday, April 14, 2010 10:23 AM
To: PlanZoneDept; Grant Meitzler
Cc: Mike Morano; Juniper Hill Village
Subject: Juniper Hill Village...

Hello Greg and Grant:

Attached is a PDF copy of the plan set depicting the site upgrades to the parking and stormwater management systems.

The one item of note which was not directly discussed at our previous meetings relates to tree removal at the outfall location. To properly install the rip-rap plunge pool one large diameter (24") will need to be removed. I believe the tree removal will be well outside of the upland review area but I wanted to bring it to your attention.

The owners hope to have bids from the contractors by the end of the week. I'm not sure exactly when construction is to commence, I will fill you in once a start date has been established.

Please don't hesitate to contact me with any questions or comments.

Regards,

PAGE
BREAK

Part III: Applicant Information (continued)

4. List the owner(s) of the site(s) to be treated. Check box if additional sheets are attached.

Name: **University of Connecticut (same as applicant)**

Mailing Address:

City/Town:

State:

Zip Code:

Business Phone:

ext.

Fax:

Contact Person:

Title:

5. List the person or company applying the pesticides.

Name: **Aquatic Control Technology**

Mailing Address: **11 John Road**

City/Town: **Sutton**

State: **MA**

Zip Code: **01590-2509**

Business Phone: **508-865-1000**

ext.

Fax: **508-865-1220**

Contact Person: **Gerald Smith**

Title: **President**

Certification Number: **S-0762**

Part IV: Site Information

1. Is the activity, which is the subject of this application located within the coastal boundary as delineated on DEP approved coastal boundary maps? Yes No

If yes, you must submit a *Coastal Consistency Review Form* (DEP-APP-004) with your application as Attachment C.

2. Is the project site located within an area identified as a habitat for endangered or threatened species as identified on the "State and Federal Listed Species and Natural Communities Map"?

Yes No

Date of Map: **December 2009**

If yes, complete and submit a *Connecticut Natural Diversity Data Base (CT NDDB) Review Request Form* (DEP-APP-007) to the address specified on the form. **Please note NDDB review generally takes 4 to 6 weeks and may require additional documentation from the applicant. DEP strongly recommends that applicants complete this process before submitting the subject application.**

When submitting this application, please include copies of any correspondence to and from the NDDB regarding compliance with this program as Attachment D.

3. Is the site located within an aquifer protection area as defined in section 22a-354a through 354bb of the General Statutes (CGS)? Yes No

4. Type of area to be treated: Tidal Waters Pond or Lake Stream

Part IV: Site Information (continued)

5. Name and number of drainage basin (if known): **3100 (Swan) and 3207 (Mirror)**
6. Is the waterbody located in a public water supply watershed? Yes No
7. Where does the waterbody flow to? **Roberts Brook to Fenton River to Willimantic Reservoir**
Is the outflow usually flowing? Yes No Can outflow be stopped? Yes No
Mirror Lake has a continually flowing outflow. Swan Lake has an intermittent flowing outflow.
8. Identify the size of the waterbody: * Length (ft.) * Width (ft.) * Acres
* Maximum Depth (ft.) * Average Depth (ft.) * Volume (Ac-ft)
9. Portion of the waterbody to be treated: * Acres * Volume (Ac-ft.)
10. Does the waterbody have public access? Yes No
11. Is the waterbody stocked with fish by the state? Yes No
12. Identify use(s) of waterbody:
 domestic water supply irrigation watering livestock swimming fishing
13. Are there any downstream users of the water who may be affected by treatment? Yes No
If yes, please explain:
14. Within 1/2 mile of the treatment area, are there any public or private drinking water wells 50 ft. or less from the shoreline?
 Yes No
15. Identify all plants or animals to be controlled: **algae, elodea, watermeal**
16. Identify all types of fish present: **common warm water species**
17. Identify chemicals to be used, the amount per treatment and number of times:
- | <i>Chemical</i> | <i>Amount per Treatment</i> | <i>Number of Times</i> |
|------------------------|-----------------------------|------------------------|
| a) see attached | | |
| b) | | |
| c) | | |
18. Projected date(s) of pesticide use: **April – September, 2010**
19. List prior years in which chemicals were applied to this waterbody:
2004, 2005, 2006, 2007, 2008, 2009

Part VI: Application Certification

The applicant *and* the individual(s) responsible for actually preparing the application must sign this part. An application will be considered insufficient unless *all* required signatures are provided. Please also check the box and provide the date for which you sent one copy of this completed application to the appropriate local inland wetland agency.

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of the individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief.

I understand that a false statement in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the General Statutes, pursuant to Section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

I certify that this application is on complete and accurate forms as prescribed by the commissioner without alteration of the text.

I also certify that I have sent one copy of this completed application to the appropriate local inland wetland agency on 4/5/10.

Signature of Applicant: Richard A. Miller Date: 4/1/10

Name of Applicant (print or type): Richard Miller Title (if applicable): Director of Environmental Policy

Signature of Preparer (if different than above): [Signature] Date: 3/31/10

Name of Preparer (print or type): Jason Coite Title (if applicable): Environmental Compliance Analyst

Check here if additional signatures are required. If so, please reproduce this sheet and attach signed copies to this sheet.

Note: Please submit the Permit Application Transmittal Form, Application Form, Fee, and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 79 ELM STREET
 HARTFORD, CT 06106-5127

Please also submit a copy of this completed application to the local inland wetlands agency.

UNIVERSITY OF CONNECTICUT PONDS – STORRS CAMPUS

Pond	Length (ft)	Width (ft)	Acres	Max. Depth (ft)	Avg. Depth (ft)	Volume (ac-ft)	Acres to treat	Volume to treat (ac-ft)	Chemical	Proposed Application Rate	Amount/Treatment	Number of Treatments Requested
Mirror	N/A	N/A	5	5	3.18	15.9	5	15.9	Nautique	2.1 gals/ac-ft	33.4 gals.	2
									Captain	0.6 gals/ac-ft.	9.5 gals.	3
									Alum	100 lbs/ac-ft.	1590 lbs.	1
Swan	N/A	N/A	2	10	5.35	10.7	2	10.7	Nautique	2.1 gals/ac-ft	22.5 gals	2
									Captain	0.6 gals/ac-ft.	6.4 gals.	3
									AquaPro	3.0 qts/ac.	3.0 qts.	1