

Minutes of the Regular Meeting of the Inland Wetlands Agency on December 19, 2018.

A. Roll Call

Present: Brendan Magnan, Ranjit Bhawe, Nathan Buchok, Jim Connors, Dave DeFlumeri, Carol Dunn and Lily Flannigan.

Absent: Matthew Connors, Ken Cowden and Steve Munson.

Also Present: MaryRose Palumbo and Lisa Streit

Magnan called the meeting to order at 7:30 p.m. and deemed Bhawe the voting alternate.

B. Pledge

All stood for the Pledge of Allegiance.

C. Public Comments

None.

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D. Old Business

1. **IW-A-18-46: 50 Daniel Street, Conine Associates, LLC** – proposed 572 sq. ft. expansion of patio area with construction and grading within 150' of a wetland and watercourse in the Wepawaug River Watershed.

MaryRose reported that this is a proposal by Conine Associates to expand the rear patio at the Stonebridge Restaurant a total of 572 sq. ft. with work 3' from the Wepawaug River. The upland review area is 150'. The Agency heard this application for the first time at the last meeting and asked for a way to catch debris that might run off of the site to the river in a rain event.

Ron Wassmer from CT Civil Group and Attorney Lynch were in attendance to present the application.

This evening the Agency can:

Ask questions

Ask for further information

Schedule a site walk

Determine if a public hearing is necessary

Take no action

Wassmer submitted revisions to the site detail sheet that shows the detail of the proposed patio area. A yard drain is to be constructed within the patio; a low spot will be created with a grate over it. There will be a 3' drain with a 2' sump and a 12" PVC pipe with a hooded outlet. The flow to the existing storm drain was reviewed. Section AA shows that a 6" curb has been added to the patio.

MaryRose clarified that the 2" pitch of the patio is to the new filtered catch basin. Wassmer confirmed this. Bhav asked about the condition of the existing outfall. Wassmer stated that he was out at the site today and it is in good condition.

Magnan asked about maintenance. Wassmer suggested that it be maintained once per month during the season of April – November and that it be monitored in the winter months.

The following motion was made by Connors and seconded by DeFlumeri:

After duly considering all relevant factors, I move to approve application IW-A-18-046: 50 Daniel St based on the plans entitled "*Stonebridge Restaurant 50 Daniel St, Milford, Connecticut*" by CT Civil Group, 2 sheets dated 11/28/18, sheet SD-1 revised 12/05/18, the information in the file and presented this evening, for the following reasons:

This action will not have an impact or effect on the physical characteristics of the adjacent wetlands and watercourses.

With conditions including:

- The Permittee must submit a construction plan *prior* to taking out the permit.
- Soil Erosion and Sedimentation controls as outlined on the plans and in the CT DEP "2002 *Erosion and Sedimentation Control Guidelines*" must be installed and maintained on the site until the property is stabilized.
- Wetland notification to be placed on the asbuilt and in the property deed to give notification to property owners that permits are required from the MIWA to work on the site. Documentation to be submitted to the MIWA office prior to bond release.
- A bond to be calculated must be posted with the MIWA for S&E controls, border plantings, wetland boundary markers and an asbuilt showing finished 2' contours and locating all site structures.
- The Permittee must submit a certification by the Project Engineer that the completed project meets the design intent of the approval prior to bonds being released.
- The permit is issued 12/19/18 expires 12/19/23 unless otherwise provided by Statute.
- The catch basins must be maintained once a month from April to November and monitored in the winter months.

The motion carried unanimously.

2. **IW-A-18-047: 0 French Drive, City of Milford Board of Education** – proposed renovation, expansion and upgrades to the existing softball field with construction and grading within 100' of a wetland and watercourse in the South Central Shoreline Watershed.

MaryRose reported that this is a proposal for renovation and upgrades to the softball field at Foran High School on French Drive. The proposal is to convert the existing grass field to a synthetic turf field with a 0.04 acre expansion to allow use of the field for other sports. They are proposing drainage and infiltration under the field with an overflow to a rip rap dissipater adjacent to the wetland to the north of the field. The closest proposed disturbance is the rip rap dissipater 2' from the wetland line. The Agency heard this application for the first time at the last meeting and asked for:

- Clarification and confirmation that discharge behind home plate will only be in a significant rain event.
- Maintenance and best management practices manual for the field.
- Leaching concerns.

- One of the Commissioners called in with a question about putting biofiltration in place at the discharge point to treat anything that may be leaching off of the fields. Has that been considered?

Jim Richetelli, Deputy Superintendent of Operations from the Board of Education and Chris Hulk from Milone & MacBroom were in attendance to present the project and answer any questions.

This is an application that is before the Agency for receipt at this meeting. This evening the Agency can:

Ask questions

Ask for further information

Schedule a site walk

Schedule a public hearing

Approve the application

Deny the application

Take no action

Hulk submitted a maintenance guidelines packet for the turf as well as a letter addressing the IWA's concerns.

Buchok asked about the discharge of stormwater from the field and its frequency. To clarify and expand on this question, the stone base beneath the field includes 8" of stone with a void ratio that has sufficient volume to hold an increase in stormwater runoff for the 100-year storm event. For most small rainstorm events, the stormwater will travel through the turf and get into the stone layer beneath the turf. From there, the stormwater will either infiltrate into the ground or make its way into the underdrainage system and discharge to the proposed flared end section.

M. Connors stated a concern with leaching of turf material into the wetlands. In general, the field is bound together by concrete anchor curb. This curb both holds the synthetic turf in place as well as keeps the infill from migrating off the field. The infill materials from the turf typically do not migrate down through the turf; however, if this were to happen it would be a very minor amount of material, and that material would stay within the stone base. In addition, peer reviewed literature on this topic suggests that the leachate from turf fields does not contain elevated levels of bi products from the turn or infill materials. The maintenance practices that the town has continued to implement on its existing synthetic turf fields will also aide in keeping the area clean from debris and limit any impacts to the surrounding wetlands.

DeFlumeri asked about decay of the artificial turf itself and about specific product information. During the life cycle of the synthetic turf, the turf fibers can experience a minor amount of degradation. Regular maintenance of the field is required to limit buildup of any of the fibers that break down. Town staff is very familiar with these maintenance practices as the town has several existing synthetic turf fields that have been maintained over the years. A sample of a typical field maintenance program is attached. Based upon our experience we do not believe there will be an impact to the wetlands from degradation of the turf over its lifespan.

The turf will be groomed once per month and once per year the field will be vacuumed. Per staff members Matt Sanford, Soil Scientist and Pete Shea, Environmental Scientist that

reviewed the project agree that there are no adverse impacts to the wetlands. Magnan stated that he would prefer their input be submitted as part of the record.

Dunn asked what material the turf is made of. Hulk stated that it is a plastic product; the same as 5 or so other fields in town. He submitted guidelines by Field Turf for types of uses, maintenance, types of paints to be used if needed. There will be permanent lines for softball; no other painting.

DeFlumeri asked about storing excess/left over material. Hulk stated that it would be stored in 65 gallon containers; 1 would be for the field to use for maintenance and the rest would be stored on site in the storage areas – dug outs, bull pen areas.

Connors asked if there would be any clay areas. Hulk stated there would be clay only for the pitchers runway and this will be an improvement in every facet.

DeFlumeri asked if it would fade over time; deteriorate and seep into the wetlands. Hulk stated that the product is made that color; it is not dyed. If the color changes it is more like from the turf folding over than fading. There will not be any adverse impacts to the functions of the wetlands.

Buchok asked about any incidents of material accumulation off site. Hulk stated that it is maintained monthly and any debris removed from site; they have not experienced any floating away off site.

Bhave questioned the need for an irrigation system on site per the plans. Hulk stated that in the event someone throws up or gets hurt/bleeds, etc. the water would be used to clean up.

Dunn questioned that there was a pond on site at one time. Hulk stated that in the 50's or 60's this was used as a storm water detention; then when the school was developed the area was a parking lot and discharged there. The site was always developed.

Connors stated that he feels this project would be a huge improvement to the site.

DeFlumeri asked about any cleaning fluids to be used and if they are biodegradable. Hulk stated that there would be no fluids used, the turf would be swept. DeFlumeri stated that this was in the manual. Hulk stated using cleaning fluids is not part of regular maintenance. Richetelli stated that the fields are groomed monthly and then vacuumed; they have never scrubbed the field in 10 years.

MaryRose asked if the IWA would like to require biofiltration at the end of the outfall pipe. Hulk stated that the volume in the stone base can accommodate that and that their staff Environmentalists did not see a need for biofiltration based on the quality of the wetland. Magnan would like that to be submitted as part of the record as well.

The following motion was made by Connors, and seconded by DeFlumeri:
After duly considering all relevant factors, I move to approve application IW-A-18-047: 0 French Dr, based on the plans entitled "*Reconstruction of Softball Field at Foran High School, French Drive, Milford, Connecticut*" by Milone & MacBroom, cover and 9 sheets dated 12/04/18, the information in the file and presented this evening, for the following reasons:

This action will not have an impact or effect on the physical characteristics of the adjacent wetlands and watercourses.

With conditions including:

- The Permittee must submit a construction plan *prior* to taking out the permit.
- Soil Erosion and Sedimentation controls as outlined on the plans and in the CT DEP “2002 *Erosion and Sedimentation Control Guidelines*” must be installed and maintained on the site until the property is stabilized.
- Wetland notification to be placed on the asbuilt and in the property deed to give notification to property owners that permits are required from the MIWA to work on the site. Documentation to be submitted to the MIWA office prior to bond release.
- A bond to be calculated must be posted with the MIWA for S&E controls, border plantings, wetland boundary markers and an asbuilt showing finished 2’ contours and locating all site structures.
- The Permittee must submit a certification by the Project Engineer that the completed project meets the design intent of the approval prior to bonds being released.
- The permit is issued 12/19/18 expires 12/19/23 unless otherwise provided by Statute.
- Submission of attestation by the wetland and environmental professionals as to wetland impacts and an opinion on biofiltration must be submitted prior to issuance of the permit
- Wetland boundary markers will be posted.

The motion carried unanimously.

E. Minutes

It was noted that Dunn was present at the 10/03/18 Special Meeting as a member of the public not in attendance as a Commissioner. A motion was made by Buchok, seconded by Connors to accept the minutes of the 10/03/18 special meeting as amended. The motion carried with Dunn and Bhave abstaining.

A motion was made by Buchok, seconded by Dunn to accept the minutes of the 11/07/18 regular meeting as presented. The motion carried with Connors, DeFlumeri and Magnan abstaining.

A motion was made by Flannigan, seconded by DeFlumeri to accept the minutes of the 11/19/18 special meeting as presented. The motion carried with Bhave, Buchok and Connors abstaining.

Dunn noted a typo on page 5 of the 12/5/18 minutes; is verses if. A motion was made by Buchok, seconded by Flannigan to accept the minutes of the 12/05/18 regular meeting as amended. The motion carried with Connors abstaining

F. Staff Report

Site Status:

- 33 Schoolhouse Rd - Original Ecosystems is doing the invasive management and basin plantings and monitoring for the site.
- Welch’s Point Rd Pump Station is ongoing. The contract end date for the work is 12/22/18.
- Rock Lane Pump Station is ongoing. The contract end date for the work is 12/22/18.
- Forest Rd – nearing completion, waiting on plantings and asbuilt.
- Great River Golf Course – waiting to receive the revised mitigation plan for planting.
- 0 Tanglewood Circle – nearing completion; waiting on asbuilts.

- 24 Cooper Ave – no change at this time.
- 74 Surf Av – ongoing.
- Ford St.\Bailey Lane – ongoing.
- Wheelers Woods – ongoing. Tires were being dumped on this site; a dumpster is coming on Friday to clean this up.

A reminder for those Commissioners that will be reappointed; you need to be sworn in again prior to the 1/16/19 MIWA meeting to sit as a Commissioner at that meeting. You can attend the 1/7/19 meeting or you can be sworn in at the City Clerk's Office between 8:30 and 4:30.

Please remember to call or email if you are unable to attend a meeting.

G. Chair's Report

The next Regular meeting will be in Conference Room B on January 16, 2019.

Commissioner Buchok will be retiring from the IWA and was thanked for his service.

Please let the office know if you are unable to attend and get any questions you have on the applications to MaryRose so that she can forward them to the applicants.

There being no further business to discuss, a motion to adjourn at 8:30 p.m. was made by Connors and seconded by DeFlumeri. The motion carried unanimously.

Respectfully submitted,

Lisa Streit

These minutes have not been accepted or approved.