

**Lincoln Conservation Commission**  
Meeting Minutes – May 22, 2019

Start – 7:00 pm  
End – 10:20 pm

Commissioners Present: Jim Henderson, Ari Kurtz, Peter von Mertens, Christine Dugan  
Staff Present: Jennifer Curtin, Tom Gumbart

**WETLANDS**

**7:00 – Notice of Intent: Muir. 1 Meadowbrook Road (172-25-0).** The project is for the demolition of an existing garage, construction of a new larger garage/studio, and associated driveway alterations within the buffer zone resource area of an intermittent stream on the property. Continued from May 1, 2019.

The proposed building has been moved on the plan to 15-feet from the buffer zone resource area at the closest point. Mr. Muir consulted pavers and developed a plan for a drainage trench to run along an asphalt driveway to manage stormwater. For now they plan to only re-do the small driveway that leads to the garage, with the potential to re-do the entire loop driveway later on. The Commissioners agreed that this will be allowed without further permitting as long as it stays within the existing footprint. Mr. Henderson gave recommendations on the trench dimensions best suited to the project. Erosion control, sedimentation barrier, and a limit of work that runs entirely around the work area must be in place prior to construction.

**The Commission voted 4-0 to close the hearing and issue an Order of Conditions on June 12, 2019.**

**7:30 – Request for Determination of Applicability: Lincoln Public Schools. 6 Ballfield Road (143-15-0).** This project is for the placement of pre-fabricated modular classrooms and a parking lot with 44 spaces partially located within jurisdictional resource areas on the Lincoln School Property. Continued from May 1, 2019.

Attendees: Peter Glick, Peter Lucacik, Ken Basset, Buckner Creel

Mr. Glick and Mr. Lucacik presented the project. They re-examined and adjusted the siting of the parking area and the modular classrooms to give more space to the trees adjacent to the work area. Mr. Henderson asked if the rooms are on footings so they will not impact roots. Mr. Lucacik confirmed that they will be placed on sonotubes that will be excavated two-feet down. They also showed the lines that will need to be excavated and the true dripline of the trees where fencing will be placed. They also presented the plans for soil removal and retention and the construction fencing. Mr. von Mertens suggested placing stone or cement blocks at the edge of the pavement to protect the grass area from being driven on. Mr. Basset described the trees on site and the requirements for their preservation, especially the stressed oaks that will require a robust watering plan.

Mr. Glick went over the comments made by Mr. Busto from CEI. These concerns included the addition of more robust sedimentation controls and the potential for a leaching catchbasin to be necessary. Mr. Glick said that they looked at a full stormwater design for this and the measured the seasonal high groundwater. They determined that porous pavement provided needed separation between the water table and surface treatment. Mr. von Mertens asked why they did not choose a lower maintenance pavement as Mr. Busto had suggested. Mr. Glick said that it is a planned maintenance area that will need to be vacuumed and it does not get black ice like regular pavement does during the winter months.

Mr. Glick presented the plan for staging and showed the truck clean-out area. The driving route to the stockpile area is planned to be outside of buffer zone resource areas. One area may need to be cleared more and the trail rerouted to allow for truck access. There are two options for this clearing work depending on what Mr. Gumbart thinks upon a site inspection of the area. Any stockpile left over 21 days will be seeded.

Mr. Glick showed the snow storage plan. Mr. von Mertens said his main concern is salt and sand. Mr. Creel said they do not use much sand and it reduces the porosity of the pavement. He added that they can do more pretreatments with brine and minimal salt use but their largest concern is staff safety.

**The Commission voted 4-0 to issue a negative Determination of Applicability on June 12, 2019.**

**Conditions:**

- Add perimeter line curb stops.
- Conservation staff will conduct a site visit to determine which route is best for the transport of soil to stockpile area.
- Overflow catch basins shall be relocated within infiltration trench
- Proper irrigation must be in place for trees.
- Trees shall be minimally pruned to allow for clearance

**8:30 – Request for Amended Order of Conditions: Minuteman Vocational Technical High School, Mill Street (115-10-0) –** This request is regarding the change of the site plan referenced in the original Order of Conditions (DEP File #203-0907) with additional stormwater infrastructure in the buffer zone resource area. Continued from May 1, 2019.

Attendees: Michele Kayserman, Eric Roise, Sy Nguyen, Curt Busto,

Ms. Kayserman presented the project. She showed the proposed changes to the athletic complex as well as the pervious and impervious area changes. The natural vegetated area to the east of the field will be replaced with new plantings. They also slightly changed the underdrains, moved the discharge areas, and added stone aprons to prevent scouring. They also shifted the erosion control closer to the limit of work area.

Mr. Roise presented the planting plan. Lexington asked for a tree count and requires that the project replaces trees at a one to one ratio. The area to be landscaped will be a meadow seed mix and tubelings will also be planted that will match the forest species composition around it. Mr. Kurtz asked if there was a maintenance plan for tubelings. Mr. Roise said the contractors will maintain them for a year and then it will be a part of the management plan of the property. The area will be mowed with a walk-behind mower. The school has an invasive removal program with the students helping to maintain the area between trees that are too close for mowing between. Mr. Busto mentioned adding to the plan what is in the school's stormwater pollution prevention plan so it is all in the same document. He added that they have addressed all of his other concerns.

**The Commission voted 4-0 to close hearing and issue an amended Order of Conditions on June 12, 2019.**

**Conditions:**

- Incorporate ongoing management plan into stormwater pollution prevention plan (SWPPP).
- New location for sedimentation barrier.
- Rip-rap around outlets.

**9:00 – Notice of Intent: Todd Pond Residents Association, Todd Pond.** This project is for the management of nuisance and non-native plant and algae growth within Todd Pond.

Attendees: Kara Sliwoski, Jamie O'Connell, Patrik Muzila

Ms. Sliwoski presented the project. This is a management plan for the milfoil in Todd Pond. They will utilize diver hand-pulling or benthic barriers with ProcellaCOR (Florpyrauxifen-benzyl) or Aquathol-K (Endothal) to be used in spot treatment applications if it does not respond to non-chemical methods. ProcellaCOR is new and was registered with the EPA last year and is effective against milfoil. If spiny naiad is an issue, it will be treated with Aquathol-K. Water Chestnut will be hand-pulled unless there is a large infestation. Mr. von Mertens said that he looked into ProcellaCOR and that it has a 5 day breakdown period. Ms. Dugan said that she also looked into it and saw that it was determined to be low risk by two publications. Ms. Sliwoski said that it has been determined to be a low risk by the EPA. Mr. von Mertens said that he was uncomfortable with a 5 year plan, and believed that the standard 3-year plan would be more appropriate. He also said that the Commission wants to ensure these chemicals are not used at the same time since there is no information on interactions. Mr. Gumbart asked if there was any concern of downstream migration since the spillway is changed now and will not allow for

drawdowns prior to treatment. Ms. Sliwoski said it is a liquid that only needs a 2 hour contact time so there is not a concern with it travelling.

Ms. O'Connell from the Cambridge Water Department asked about the planned chemicals' compatibility with being in a water supply. Ms. Sliwoski said there is no drinking water restriction on the herbicides. Mr. Gumbart said that they should notify the Lincoln Water Department and the Board of Health prior to application. The Commission will also require an annual report and the Commission reserves the right to adjust with the plan. Ms. O'Connell asked if they planned to do any downstream monitoring. Ms. Sliwoski said they did not plan to but planned to use the chemicals in times of low flow. They can also notify Cambridge Water when applications are taking place.

Ms. Dugan asked if they could let us know the expected water level at the time of treatment. Ms. Sliwoski said they could. Mr. Gumbart asked if there was a reasonable way of testing for downstream chemicals. Ms. Sliwoski said they could do that and asked about access. Mr. Gumbart said that access is good and Conservation can facilitate. They would only need to collect one data point immediately downstream to determine if it is migrating, at which time the Commission can decide whether or not further testing is required.

Mr. Muzila said that he would like to create a plan so that they do not have to come in every three years for a permit because that delays treatments which in turn requires more chemicals to be used. Mr. von Mertens agreed on a long-term plan but added that the Commission wants to have the control afforded by a 3-year permit. He added that the group can apply early to allow ample time for treatments to be permitted. Mr. Gumbart said he recommends yearly reporting and a standard 3-year Order of Conditions with the opportunity for up to two extensions as literature changes and Commissioners change. Ms. O'Connell asked if they have a permit to apply herbicides. Ms. Sliwoski said that they have to provide an Order of Conditions to the State to get it.

**The Commission voted 4-0 to close the hearing and issue an Order of Conditions on June 12, 2019.**

- Normal conditions, reporting
- Notify Conservation of what is being applied
- Use downstream testing protocol after each application to determine the concentration of ProcellaCOR at the Tower Road stream crossing.

**9:30 – Notice of Intent: Farrar Pond Associates. Farrar Pond.** This project is for the management of nuisance and non-native plant and algae growth within Farrar Pond.

Ms. Sliwoski presented. The plan is for the continued management of the pond. There has been no fanwort growth as of last summer. Mr. von Mertens asked why that is? Ms. Sliwoski said that is was driven back by a 2017 pellet treatment of Sonar (Flouridone). They can use either hand-pulling or benthic barriers. They plan to do another spot treatment of Sonar. Mr. von Mertens asked why use Sonar if Clipper has less concerns. Ms. Sliwoski said that Clipper would need to be used on an annual basis whereas Sonar can suppress growth for a long time. Ms. Sliwoski added that the ProcellaCOR, Aquathol-K, and Clearcast (Imazamox) are not all necessary but they want to permit them for use in case the nuisance plants that they treat become a problem in the future. They are not expecting a need for treatment this summer.

**The Commission voted 4-0 to close the hearing and issue an Order of Conditions on June 12, 2019.**

### **CONSERVATION DIRECTOR'S REPORT**

Mr. Gumbart has submitted a preliminary SUASCO grant for Mount Misery improvements. This grant focuses on improving public access and addressing management issues at this Conservation land.

Emma Coates has joined the field crew as the new Land Steward.

Umbrello field work has been continued, is almost completed, and will be ready for seeding soon.

Bobolinks were seen in the Culver/Tylko Field adjacent to the Pollinator Meadow and may be nesting.

Drumlin Farm Wildlife Sanctuary's agricultural hoop house is now built.

Trail and bridge building was done by Birches School students with assistance from Mr. von Mertens and Ms. Dugan.

LLCT will take on 2 small parcels of Lincoln land for conservation that are currently owned by the Weston Forest and Trail Association.

### **DISCUSSION ITEMS**

Black Earth Composting is being supported by Mothers Out Front. The Town would pay a fee but would reduce cost of trash pickup by reducing waste. They would accept compostable materials at the transfer station.

### **ACTION ITEMS**

- Order of Conditions for 237 Old Concord Road issued.
- Bills paid & payroll signed.
- Meeting minutes from April 10, 2019 approved.
- The Commission voted 4-0 to move July 3, 2019 Meeting to July 10, 2019.

Respectfully Submitted,

Jennifer Curtin  
Conservation Assistant