



Minutes of Meeting

DATE: May 29, 2019
MMI #: 4430-02
PROJECT: Moon Brook Impoundment
Modification Project

ATTENDEES:
See sign in sheet

SUBJECT: Public Meeting #5 Notes

LOCATION: Rutland High School Lecture Hall

See presentation slides for specific information presented in each portion of the meeting.

Intro by Jeff W.

- There has been a tremendous amount of work done in the last year.
- See data flow chart in presentation.
- We are close to the point where we will improve water quality.
- We have found a “magical” combination of alternatives that meet goals.
- Thank you to all who have participated.

Piedmont Pond Presentation by Roy Schiff, Milone & MacBroom:

- Date needed to be bumped to future because of state requirements at Piedmont Pond.
 - State requires 5 m buffer, not 15 m.
- We are looking at the whole system not just one pond.
- These alternatives meet temperature goals according to ANR model.
- Build on existing vegetation with proposed planting plan.
- No-mow zone around the edge but maybe 1 time per year.
 - Might be better for res if don't need to ever brush hog.
- Where will the sediment go? – We will need to test this.
- Could it go on Stratton Road property as sound buffer?
 - Would need to look at floodplain/wetland.
- Would pond need aeration to get rid of algae?
 - Once SW treatment is done and dredged the algae would be less when water quality is better/deeper.
- Described dam break analysis flood area, the work at Combination Pond may reduce this risk, no loss of life likely due to dam failure at combination pond.
- The tree median age is 25' in 5 years.
- Some trees will be overgrown which is included in this design.
- Who maintains the trees? Jeff - City owns combination buffer, Piedmont buffer is private and would need permission from multiple owners.
- Buffer not completely owned by Bentleys and City is considering options for gaining City rights for maintenance.
- City will plant and maintain but still need to work with the owner.

- City is working with funding sources to have money to buy rights from landowners. The State will want a guarantee. City attorney to be working on this.
- A few species will be changed, silver maple might not be the best due to seed pods.
- WISPr – restoration/habitat funding 10% of SRLF leverage on sewer/storm projects, this could be match for other grants, hoping that all improvements will be paid by grants city is looking for actively
- CHALK June 13th paramount – supports this project
- Dam – during Irene homes were evacuated in fear of Combination washing at and flooding homes.
 - Repairs at Combination Pond will improve safety downstream.
- Would this go to public bid? Yes.

Combination Pond (see presentation)

- Introduction to chalk talk by TU.
- Jeff – we are getting close to successful conclusion.
- Roy – Thank you all
- Recap of previous introduction and photo Sims.
- Michael has another wetland map he put of Facebook.
- Dam break analysis shows loss of life is not probable.
- State has not completed review, but there is likely significant work completed.
- Showed and described planting plan.
 - Maybe black spruce instead of tulip tree and Silky dogwood instead of eastern dogwood.
- Hydrographs show the Piedmont alternative meets the dam safety of 100 year event with 1 ft free board.
- Ballpark cost:
 - Jeff explained the funding where \$500,000 is available in “grant” and will leverage as a match to other programs.
 - Hope to fund project all with grants and no bond, funding is ore available now than ever for this type of work.
- Will Piedmont be on hold unit after Combination because of ownership? Jeff’s response: Yes, Piedmont is more complicated due to ownership, but this will not hold up the Combination schedule.
- Bid:
 - MMI already one the engineering bid.
 - Construction will need to go to bid.
 - Plantings can be done by City/volunteers.

Questions/Comments

- Are plants food for wildlife?
 - Roy: The canopy would be denser with more layers to maximize habitat.
 - Jeff: The key habitat is in the water.
- How deep is the dredging?

- Roy: From the old survey the thickness of sediment in the center is 4 ft. We need to do more design of this element.
- Will beavers eat the trees?
 - Roy: We will need to protect the trees. We are in negotiation with the State (Fish and wildlife and Wetland) on beaver dam removal.
 - Jeff: Does not want to feed beavers with our shade trees. The dam increases solar heating.
- The upper pond was forested before beavers cut trees.
- Feedback – Do not kill the beavers.
- Will the Trees hurt the dam?
 - Roy: The project proposes to remove beaver dam with small stream into pond there.
- Roy: Concrete core wall found with ground penetrating radar done for free by UVM. A core wall would allow us to fill on us side of the pond and plant to get shade at the south end of pond. May need sheeting/ root damage.
- Deeds might be affected with a lowered water level. Deeds measured at 75' from the edge.
 - Roy: We will need to look into this.
- At Killington an aeration system is put into a pond, maybe dredge can be removed to nearby drying beds.
 - Contractor will need to find local fill site and contamination testing is needed first.
- Overtopping at Stratton Road happens a lot, should look at how overtopping there changes.
- Model needs to include whole system.
 - Roy: All culverts are mini dams that change flood wave all down the corridor.
- Need to get all State agencies together to agree.
- President Kiwanis Club/Fishing Derby – 500 people, 260 kids.
 - Members could contribute/volunteer.