



Town of Barnstable Land Acquisition and Preservation Committee

www.town.barnstable.ma.us/LandAcquisitionandPreservation



Committee Members

Ann Canedy – Chair Farley Lewis – Vice Chair
Elissa Crowley Janet Crystal Steve Gould Thomas Lee Phyllis Miller Anne Rowland Douglas Payson
Kris Clark – Town Council Liaison

Staff Support

Carol Puckett – Administrative Assistant – carol.puckett@town.barnstable.ma.us

Minutes

Monday, March 9, 2020

5:30 PM

Selectman's Conference Room – 367 Main Street, Hyannis, MA

Ann Canedy - Chair	Present
Farley Lewis – Vice Chair	Present
Phyllis Miller	Present
Steve Gould	Absent
Tom Lee	Present
Elissa Crowley	Present
Anne Rowland	Present
Janet Crystal	Present
Doug Payson	Present

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TOWN CLERK

Also present were Dan Santos – Director from DPW, Kris Clark – Town Council Liaison and Carol Puckett – Administrative Assistant

As a quorum has been met, Ann Canedy opens the meeting at 5:30 pm

Call to Order/Introduction of Land Acquisition and Preservation Committee Members

All members present introduce themselves

Ann reads the following with no response:

Notice of Recording

Please note that this meeting is recorded and broadcast on Channel 18. In accordance with MGL Chapter 30A §20, I must inquire whether anyone is taping this meeting and if so, to please make their presence known.

Approval of Minutes of February 10, 2020

Motion to approve the minutes of February 10, 2020 is made by Phyllis Miller and seconded by Doug Payson

Vote:

All in favor

Collection of Ethics Compliance Forms

Phyllis Miller and Anne Rowland note that they have completed their forms and have turned them in.

New Business:

- Presentation by a representative of DPW on the Town of Barnstable's Comprehensive Wastewater Management Plan

Dan Santos – Director of the Department of Public Works gives PowerPoint presentation (Exhibit A) and will go over the highlights of the Comprehensive Wastewater Management Plan.

Mr. Santos states that this was started in earnest in 2015 with the imitation of the Cape Cod Commission's 208 Plan.

The Town Council then put together a Water Advisory Committee which distilled all the work that had been done prior as well as looked at new work they were doing using new resources and tools to analyze the plan.

He shows slide #2 which shows the other entities that participated.

Slide #3 shows the wastewater issues. He explains how septic systems can create rapid nitrification of ponds in their vicinity. Also, in regards to septic systems and economic development, by providing sewers, it enables a greater density of development because you can handle more wastewater. However, the proper way to manage development would be through zoning and not through septic maximums.

Slide #4 deals with the 208 Problem – Nitrogen. Sediment is what causes nitrification in the rain water which can be released under certain conditions. Nitrogen comes from septic systems, fertilizers and rain runoffs.

Next slide: Regulations. Mr. Santos states that the calculations are from the MA DEP and UMass Dartmouth. All watersheds are complete except for the Barnstable Harbor which is currently in draft form. He states that this watershed is less problematic and is not limited by nitrogen as the others are. Another problem for the watersheds is eel grass.

Next slide: Watersheds. Barnstable has 5 major watersheds. There a lot of sub-watersheds which is interesting when dealing with solutions.

Next slide: Average Nitrogen Removal by Watersheds. Mr. Santos explains that the figures on the map are how much nitrogen they need to remove in order to meet water quality standards.

Next slide: Other Issues of Concern. Mr. Santos explains how phosphorus and contaminants contribute to problems in the environment. He notes that the last bullet: PFOS/PFOA are a problem in the Hyannis Water systems and that they are spending millions of dollars to put treatment plants in to address the PFOS in the drinking water. Right now they are buying water from Yarmouth and the Centerville, Osterville, Marstons Mills (COMM) Water District supply and blending it with the Hyannis water in order to meet guidelines/recommendations for drinking water. As soon as a treatment plant is completed, they will then be able to ween off the other water suppliers.

Next Slide: 5 Needs Plan Should Address. One of the big themes on the maps for the Town, moving ahead, is wastewater and water supply. They have to find out what locations are suitable to take the drinking water from and where to put the wastewater and to be able to locate them accordingly.

Next Slide: What a Wastewater Plan Does. Mr. Santos explains that the solutions are traditional such as septic systems and perhaps alternative designed future septic systems.

Next slide: How a Wastewater Plan is Organized. Mr. Santos explains that there are four phases. This is also where the Massachusetts Environmental Policy Act comes into play for which they have to submit a Wastewater Plan to the State office that handles that. Basically, that office is a clearing house for all of the state agencies for their comments. The TOB is currently at that phase.

Next Slide: Adopting and Changing. Mr. Santos states that the plan is current but will change as we learn more and as technology changes. They built a lot of flexibility into the plan which has been done in-house with a professional staff. They have also decided to do this in 3, 10 year phases.

Next slide: The TOB Needs Process. He explains how they went through developing the needs and where they are.

Next slide: Identified needs. He explains the map displayed.

Next slide is Solutions - Includes wastewater collection and sewers. He explains how dredging can reduce the nitrogen. Also, how aquaculture helps with filtering the water.

Next slide is Plan Development – Mr. Santos explains that once they started focusing on the Town's needs in reference to the Plan, that Town Council started funding these projects. They are proceeding, however, the Plan might be tweaked because of comments from MEPA and other groups involved.

Next slide shows the Plan phases graphically. Mr. Santos explains the areas and how they will prioritize the needs in those areas.

Next slide is Non-Traditional Focus Area. Mr. Santos explains that points on the slide and that the graphic ring is where they are doing alternative septic systems which will eliminate sewerage.

Next Slide is Plan Summary. Mr. Santos explains pump stations and treatment plants.

Next Slide is Results by Phase or Stage. Mr. Santos explains that they will need to find a suitable site for effluent disposal because they are at maximum limit right now.

Next slide is Program Costs Breakdown which he explains.

Next slide is Summary of Funding for CWMP.

Next slide is Policy Decisions which shows some of the questions that the Town Council has to consider which Mr. Santos explains.

Next Slide is Phase/Projects which graphically displays the activity areas with Mr. Santos explains along with the next slide: Phase/Implementation.

Next Slide: Projects Funded and Underway which includes:

- Phinney's Lane Sewer Expansion
- Long Pond Area Sewer Expansion
- Attuck's Lane Sewer Extension
- Cotuit Bay Channel Dredging
- Marstons Mills School Pump Station and Collection System

Anne Rowland asks if he has determined over the past ten years if the groundwater has elevated. Dan explains that it cycles and has been at a high point because of the amount of rainfall and is a consideration. Anne asks about a projection on short term rentals. Dan explains that it is a projection that is conservative and will be adjusted as they move ahead.

Doug Payson asks, that when the electric transmission line goes in, if there are any plans for installing sidewalks by the Police Station from Phinney's Lane south. Dan is not aware of a discussion about that currently.

Farley Lewis asks if there has been discussion about outfall pipes for effluent. Mr. Santos states that it is being looked at by Joint Cape Cod.

Ann Canedy notes that LAPC has compiled a list of parcels to consider for purchase by the Town for drinking water protection and that the list has been given to the Town Manager – Mark Ells and Community Preservation Committee (CPC) Chair -Lindsey Counsell. She also notes that, through the Santuit Management Plan Group, that a discussion was also held in regards to how to recapture the cranberry bogs which would be another approach that LAPC can take. Ann asks if there is anything that LAPC can do to assist DPW at this time. Mr. Santos states that, as they move through the conceptual design, pump stations will need to be located at certain locations and is not sure where they can put them right now. They are currently talking about easements and perhaps eminent domains because there are only certain places to put them. The other large parcels they would need would be for effluent disposal.

Ann thinks maybe the Town should consider exploring the option of encouraging the consolidation of water districts and should work as cooperatively as possible with the Water District(s) going forward.

Ann and the members thank Dan Santos for his presentation.

Old Business:

- **Update on Conservation Restriction (CR) Approval Process**

Ann asks Tom Lee about the CR Approval Process flowchart and if it has been approved by CPC. Mr. Lee thinks that it will be discussed at the next CPC meeting and believes Lindsey Counsell is okay with the final draft. Once approved, and after any comments from the State, it will be put into the CPC handbook.

- **Update on Open Space and Recreation Plan**
- **Update on Harju, Amaral, Prince Ave and Orenda Conservation Restrictions**
- **Update on Pathways Subcommittee (Barnstable Land Trust) including update on signage for Pathway walks; maps**
Ann asks Doug Payson about signage. Mr. Payson thinks it is important for directional signs to be placed at the trail heads and thinks they have to prioritize where signage will be placed. Ann will look into contacting DCR (Department of Recreation and Conservation) about funding resources for signage to see what they have.
Kris Clark suggests that Doug look into contacting other Town's about their signage.
- **Update on Santuit Management Plan and Committee**
- **Update on pending Community Preservation Committee open space applications.**
- **Report from Town Council Liaison Kris Clark**

Ann states that next month they will invite Zenas Crocker from the Water Coalition to give a similar presentation on water issues.

Ann will also put a detailed discussion about pathways on the next agenda.

Items not reasonably anticipated by the Chair

Public Comment

- **Adjournment**
Motion to adjourn is made by Phyllis Miller and seconded by Elissa Crowley
Vote:
All in favor

Please Note: The list of matters are those reasonably anticipated by the chair, which may be discussed at the meeting. Not all items listed may be discussed and other items not listed may also be brought up for discussion to the extent permitted by law. It is possible that if it so votes, the Committee may go into executive session. The Committee may also act on items in an order other than they appear on this agenda.

* Public files are available for viewing during normal business hours at the Land Acquisition & Preservation office located at 200 Main Street, Hyannis, MA