

**Minutes of the Carlisle Board of Health
June 1, 2016**

BILLS

MINUTES - 3/31/16, 4/12/16, 5/3/16

ADMINISTRATIVE REPORTS #7

PH 253 Virginia Farme Road #1

- 15.211 Setback Distance to Wetlands

DISCUSSION ITEMS

95 Hanover Hill Road – report on 6/1/16 meeting #2

67 Hanover Road – Drip Dispersal System status #3

Irrigation Policy (tentative)

FY16 Year End Budget #4

Lifetime Green Homes – Project Revision #5

Food Establishment Inspection Reports (Spring) #6 –

- Ferns, School, Great Brook Farm, Clark Farm
- Farmer’s Market and Old Home Day Permits #8

Old Home Day Planning

Administrative Assistant Interviews

The meeting was called to order by the Chairman at 7:00 pm at Carlisle Town Hall. Present were Board members Lee Storrs (Chairman), Catherine Galligan, Donna Margolies and Todd Brady. Todd Thorsen was absent. Also present Linda Fantasia (Health Agent), Rob Frado (TCG) and Alex Brewster (Carlisle Mosquito)

BILLS – It was moved (Galligan) and seconded (Margolies) to approve the bills as submitted (Phelps Food Consultant, payrolls, Animal Inspector stipend). Motion passed 5-0-0.

MINUTES – It was moved (Galligan) and seconded (Margolies) to approve the minutes of 3/31/16 as amended. Motion passed 4-0-1(Brady who was not present abstained).

It was moved (Margolies) and seconded (Galligan) to approve the minutes of 4/12/16 as amended. Motion passed 4-0-1(Brady who was not present abstained).

It was moved (Galligan) and seconded (Margolies) to approve the minutes of 5/3/16 as amended. Motion passed 4-0-1(Brady who was not present abstained).

Public Hearing 253 VIRGINIA FARME ROAD – replacement of a failed septic system. Present were Janet Murphy, owner, and Jeff Hannaford (Norse Design Services). (Margolies left the meeting due to a family emergency).

Hannaford said that the system is in failure with breakout observed in the area of the distribution box. A Title 5 Inspection was done to document the failure. The proposed upgrade requires a local waiver for distance to wetlands (70’ provided, 100’ required). The system is designed for five bedrooms with a Presby Enviro-Septic System approved for remedial use. The enhanced treatment allows for a reduction in depth to groundwater (2.0’ provided, 4.0’ required). The site is constrained due to extensive wetlands both on and surrounding the lot. The percolation rate was determined by laboratory analysis as allowed under DEP’s Alternative Percolation Testing policy. This requires a letter of concurrence from the town that the soils are uncompacted. Frado submitted a letter of concurrence along with his review. The Conservation Commission will need to review the plan due to work in the buffer zone. A poly-barrier will be installed to minimize the amount of fill needed for grading and to save trees in the buffer zone. A pump system would be needed to meet the standard Title 5 requirement of 4.0’ separation to groundwater.

The Board noted that the 2.0’ offset to groundwater was not called out on the plan as a waiver. Hannaford argued that this was not necessary since it is allowed under the Presby approval. Hannaford explained the benefits of the

Presby system which utilizes a group of Enviro-Septic lines connected in a serial distribution. It can be installed in a sloping system. There is a requirement for special septic system sand to be placed around and below the lines but the amount of fill required is less than a conventional system. A revised plan has been submitted addressing the technical deficiencies noted in the initial engineering review. All items were satisfactorily addressed. As a repair, Title 5 does not require a reserve area.

Fantasia pointed out that the Board is actually being asked to grant relief from both the horizontal setback to the wetland and the vertical setback to groundwater. This should have been identified along with the request for a local waiver. Under Maximum Feasible Compliance the approving authority should vary to the least degree possible from Title 5. It is up to the applicant to demonstrate that the proposed design is the best suited for the site. Hannaford felt that the Presby approval was sufficient. It is not a second waiver. He further explained that a 4.0' offset would result in a pump system and the breakout grading would be even closer to the wetlands. The proposed design meets the 50' Title 5 setback to wetlands. The current design was chosen not just for aesthetic reasons but improved environmental protections.

Galligan asked if there would be any benefit in requiring annual pumping since this is such a difficult site. Hannaford said that pumping too frequently can be just as harmful and Frado agreed. Storrs was not in favor of changing to a pump chamber which adds another mechanical component to the system. The Board agreed that the proposed design will be an improvement over the existing failed system even with only a 2.0' offset to groundwater.

It was moved (Galligan) and seconded (Brady) to approve the proposed septic system upgrade in accordance with plan entitled “Subsurface Sewage Disposal System 253 Virginia Farm Lane, Carlisle MA Map 20, Block 21, Lot 20, prepared by Norse Design Services, Inc. revised 5/16/16” and grant a waiver from the Carlisle Supplementary Sewage System Regulations for distance between leaching area and wetlands (70' provided, 100' required) and a reduced separation to groundwater (2.0' provided, 4.0' required) in accordance with the Presby-Enviro Septic Remedial Use approval. Motion passed 3-0-0.

DISCUSSION ITEMS

95 Hanover Road – Fantasia, Frado, Tim Goddard, Tom Harrington (town counsel) met with Dr. Chantal Nouvellon (owner) and Matye Ramos (her attorney) to discuss Nouvellon's proposal to retain the septic sand already in place at the site. The Board had ordered removal of the sand which had been left exposed over two winters and flooded from an old drain pipe. Neither the first layer nor the second layer of sand had been approved by the town prior to placement. It was agreed that the design engineer for the project should provide a written explanation of how the contaminated fill would be removed and separated from the good fill. The Board will then make a decision. Given the problematic history of the septic installation including the failure of the owner to meet previous deadlines, members felt it unlikely to allow further concessions. The Board's main concern is protecting the environment with a fully compliant and properly functioning system for the current and future owners.

67 Hanover Road – Rob Sarmanian of Oakson, the local Perc-Rite system vendor, called the office to report a failed system at the site. From his preliminary inspection it appears that the soil may have been compacted during installation. He has spoken with the manufacturer on correcting the problem and will follow up with the design engineer. Frado explained how the drip system is constructed and that it can be placed in the A layer. There was 12" of soil over this particular system. To fix the system Sarmanian is proposing to remove the topsoil, fold back the tubing and rescarify the bottom. Frado suggested inspecting the tubing as it is removed. Frado was not convinced that it was a problem of compaction. He said it would be helpful to know what kind of machine the installer used during backfill. Sarmanian will keep the Board updated.

Irrigation Policy – The Board is considering a revised policy and guideline based on the 9" recharge rate noted in the Horsley-Witten Groundwater (H-W) Report. The purpose of the policy is to protect the future water supply for the town by regulating withdrawals for home irrigation. The Board has been using a 15% cap on irrigation but wants to formalize the policy. An earlier study done for the Banta Davis playing fields included a 20" recharge rate. The H-W report took into account the soils in Carlisle (mostly glacial till) resulting in the lower number and shorter number of days available for irrigation. Many homeowners have programmable watering systems, but the town would benefit from having an official policy. Since wells are under the jurisdiction of the Board of Health, the

Board is the most likely authority. The Board could always impose stricter withdrawals during an announced water shortage. Galligan offered to revise the model for the next meeting.

Budget FY16 – Based on the balance remaining in the operating account there should be no overruns.

Lifetime Green Homes Development – The plan has been revised to include a public water supply. The appeal is before the Housing Appeals Court. The applicant is asking the court to accept the revised plan without another review before the zoning board, the permit granting authority. The town is objecting to the request.

Food Establishment Permits – Fantasia noted three requests from underage residents. Only persons 18 years or older can be licensed. Recently she inspected a kitchen and issued a license to a parent of a college student who will be 18 in a few weeks. Some of the product sold is for charity, but they are also interested in starting up a business. The Food Code exempts potluck events food sold at fundraisers or for charity. Since the permit is an official town license, the Board wants to be assured that a responsible party is involved. Galligan suggested consulting Mass. General Laws regulating on work hours and jobs for minors as guidance.

Old Home Day Country Fair – The Board will have a booth. It was agreed to focus on opioid abuse and tick-borne diseases. Galligan, Storrs and Brady are available to help.

Administrative Assistant Positions – Hodges would like to continue working with the Board. Three other applicants are interested in the second position. Fantasia and Margolies will interview the candidates and have a recommendation for the Board for the next meeting on June 22nd.

Dept. of Public Health (DPH) Bio-monitoring Study – DPH is looking for participants for the study to measure environmental chemicals in the body. The Board suggested putting the information in a press release in the Mosquito.

There was no further business. Meeting voted to adjourn at 9:15 p.m.

Respectfully submitted,

Linda M. Fantasia,
Recorder