

**Meeting Minutes
Public Works Commission Meeting
4 March 2008**

In Attendance: Bob Mitchell, Michael Perfit, Michael, John Boisvert, Lissa Ham,
Jennifer Mates, David Sallet – Commissioners
Paul Deschaine – Town Administrator

Meeting called to order at 8:02 p.m.

Old Business

1. Review of GCNE Annual Wetlands and Groundwater Monitoring Report

John reviewed the annual Wetlands and Groundwater Monitoring report for GCNE. Seasonal trends show GW levels drop in the summer and come back up in the fall. A few things noted were depressions in the levels for the GW. There are some holes, statements made but there are declines in the wells. Said there are no impacts on the water levels. Only fall below when they are right beside the wells.

Bedrock wells have not seen much of an influence because of the wells. They correlate to the seasonal effects. The bottom line is the recovery seemed to be reasonable. Some of the well data is not included in the report, so it's difficult to make a determination the actual characteristics.

In the conclusion it is also discussed that the trends in the wetlands, that some species of water retaining plants were actually drying the wetlands out. Plants are growing very dense. Transpiration is greater in that it's pulling more water out of the soils. The hydrology of the GCNE area is good however, it is contained and not a large area. The amount of water pumped is not provided in the report.

All are welcome to go through the report on their own.

2. Fire Protection District

Paul handed out some draft plans (8 plans) of the easement plans for the water line. Plans include deed references, boundary plans, existing conditions plans and easement plans. Unfortunately, the CADD files for Shaw's and CVS still need to be added. J&B is sending the plans to Emmanuel and will add several other plans.

3. Meeting Minutes

Minutes for February 5th meeting were reviewed and need to add attendees and author. All voted to approve the minutes as amended.

4. Potential Water Site Identification Report.

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Jen & John met with Chuck and went over GIS info he had and put list of potential limitations for siting wells. They developed a list of limitations to help identify a study area such as looking at properties within a ½ mile radius from Rte. 108 to keep the costs and concerns down from town line to Fire station.

Other things that should be considered are:

- We should site 3 wells to meet 100,000 gpd, may need mixing.
- Keep each well self-contained on one property.
- Start by drawing circles
- Look at the larger properties first, and then look at combining lots.

Maps they were able to create from the GIS data include:

1. Aquifer Map --- Bunker Hill Ave aquifer area is well developed, but not a large area. It is a sand and gravel formation but does not have a high transmissivity. Need a certain amount of saturation thickness and this is a 'dumped' aquifer and has a thin formation. Autumn Lane and Stevens Park do not have a lot of water –water runs through it but it is not contained. Not much that hits the ground makes it beneath. - - NOT MUCH WATER HERE.
2. Lineaments Map ---Most bedrock fracture zones tend to go in a linear fashion. Look like linear features on the photographs, however, need to actually investigate as some may be stone walls. Would like to find where the lineaments intersect on the horizontal plane. The orientation of the fractures from the surface goes from the NE to SW (at an angle). Need to evaluate where they fall and the limits we set. Need to look at places where there is land.
3. SCS Soils classification maps. These may also help weigh into water and sewer. Bunker Hill Ave. aquifer may not lend itself to withdrawal but it could take recharge. May be best to highlight the soil types in different colors.
4. Planimetrics with lot numbers.
5. Tax map shows homes and driveways.

Would like to get the following maps

- Showing all the community wells located on it although probably won't impact well location.
- Showing potential contaminated sites such as underground storage tanks, septic systems, car dealerships, gas stations, vets office, graveyards, onto one plan --- could quickly eliminate areas.

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The Goodrich property stands out as meeting the requirements. The area on the Goodrich property looks favorable. There are some interesting lines on the western side of the Scamman property. Will work in the next month to clean up the plans then we can delegate tasks to members.

Motion to adjourn at 9:20 pm

Next meeting is April 1st at 7:30 pm

Respectfully submitted,

Lissa Ham