

**TOWN OF BURLINGTON, MA****BOARD OF HEALTH****SUBCOMMITTEE MEETING MINUTES**

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Meeting number (access code): 129 404 6522
Meeting password: Sub022221

Monday, February 22, 2021

9:00 am | (UTC-04:00) Eastern Time (US & Canada) | 1 hrs 30 mins

Start meeting <<https://townofburlington.webex.com/townofburlington/j.php?MTID=m5250e41230ad2ca741a5a14400468537>>

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Board Members Present: Ed Weiner, PhD, Chairman; David McSweeney, Vice Chairman
Staff Members Present: Christine Mathis, Environmental Engineer; Sarah Courtemanche, Administrative Assistant
Others Present: Robert Buckley, Riemer & Braunstein; Frank DiPietro, BSC Group; Jim Ash, GEI Consultants; Steve Logan, Nordblom; Marissa Valentino, BSC Group; Emily Derrig, BSC Group

Called to order at 9:00 AM

Discussion

- Site is on the corner of Middlesex Turnpike and Forth Ave.
- Plan to build multifamily residential building & parking area. There is a 1st floor garage and a future retail pad in the front of property. The western side is proposed as a public green area.
- First floor is a concrete podium style construction.
- Existing flood plain & river front area; working with Conservation to recreate flood plain.
- The intent for stormwater management is to provide a new stormwater management system with catch basins, deep sumps, water quality units and a subsurface detention basin.
- There will be three bio-retention tree wells with a depression and overflow from catch basins that connect back into drainage system.
- At front entrance there will be work done to add an island for traffic purposes.
- Grading to prevent flooding in the garage area.
- Life Time is toward the north of the property, parking lot is abutting property.

- Groundwater treatment plant for nearby MCP site is near property as well.
- Not infiltrating the bulk of stormwater. Overall site will have 3 small infiltration areas in tree wells.
- Can't raise grade because it'll impact the flood plain. Property is not flat, it is down grading.
- Can't infiltrate stormwater but can increase recharge by a minimum of 10% for the entire parcel. And knowing it could pose a problem in the future, 3rd Ave, it was over infiltrated. Have more than a 10% recharge rate to date for Northwest Park.
- Overflow system (3 areas) 5 feet by 5 feet min. tree planted in it with bioretention soil & under drain that connects to catch basin. In a larger storm it will run off into these basins.
- In public commons, sidewalk to flow into small swale and direct it into the bioretention well; the swale intended to infiltrate stormwater into the ground. Sidewalk area is still being determined at this time for the commons.
- Parking lot is based on a 25 year storm. And bioretention areas are about 36 inches deep of material. There would only be a few inches in the bioretention areas and then it should infiltrate quickly after that.
- Not designed to have a grate system over tree well. Designed for a large tree to grow. There is a 6 inch overflow; if more than 6 inches, it will overflow onto Middlesex Turnpike. However, a grate can be added to the plans to accommodate a full sized tree.
- This is a contaminated area but infiltration would be okay according to Mr. Ash.
- Overflow drain is set a little above elevation of soil so that water is not bypassing it.
- The intent is the majority of run off will go into catch basins first.
- Garage is open for opportunities for air flow; no part of the building is underground.
- Property is proposed as rental apartments with affordable component targeted for the senior population.
- The pump & treat system installed in 1999 and in 20 years the level of contamination has dropped off drastically. Looking to potential conditions to shut off system at some point in the future but there is some contamination still present. Remaining contamination is primarily in bedrock.
- The plume will not be increased but has the potential to help decrease the plume with the introduction of clean water. No effect on dispersion of plume, no greater than current infiltration.
- The sentinel wells are not temporary monitoring wells, these are existing monitoring wells which have been sampled historically and sampling frequency will be increases during construction. Wells will remain in place.
- Sentinel well & notification levels came from DEP involvement. The notification level is any point when there is an increase in contamination concentration in a sentinel well. Levels are based on the historic sampling data. If notification level occurs, the Environmental Engineer would be notified, next they would monitor it and sample it again, if levels go down then it would be okay and construction can continue.
- If action levels are triggered, construction will be suspended until cause can be determined, corrected and the well is re-sampled.

- If building itself is built over monitoring wells location, they will be de-commissioned but there are numerous wells outside of the footprint that will stay in commission for future use.
- One of the three recovery wells is installed along Fourth Avenue and should be able to maintain well in current location & continue to send extracted groundwater to treatment plant.
- Nordblom has decided to put a vapor barrier under the garage slab to prevent any type of vapors even though it's not necessary for the current plan.
- Scheduled for March 9th board meeting.

Adjourned at 9:50 AM.