

WAYLAND WASTEWATER MANAGEMENT DISTRICT COMMISSION

MEETING OF JANUARY 11, 2012

MINUTES

In attendance: Fred Knight, David Schofield, Sam Potter, Bill Prendergast

Guests: Anette Lewis, Wayland resident

Cherry Karlson, FinCom

Linda Segal, Wayland Resident

Location of meeting: Wayland Town Building

Chairman Fred Knight called the meeting to order at 7:30 PM.

- 7:30 1. Public comment, none, Linda recording meeting
- 7:35 2. FY2013 budget with Cherry Karlson, and hearing on next year's budget for 8 Feb 2012
Discussion of budget with Cherry Karlson
- Question of whether \$175k is too little on income side; fudge is use of retained earnings
 - Verified the new debt interest and principal
 - Question of whether old debt is calculated properly
 - Possible disagreement between MUNIS and our sheet: line item of \$15k
- 7:57 3. Construction update and approval of invoices:
- Construction is 65% complete.
 - Waterline has not paid for temporary electric service, permanent electric service submitted to NStar \$5,600 due from Waterline, coordination mtg electricity primary route will just be to edge of our property, so utilize it ultimately when installed by 20W
 - Gas service needed to heat new WWTP. We tell Nat'l Grid what we need; they decide how to give us what we need.
 - Invoice #2: T&B hydrological study: \$5,310, through 2011-11-26, Schofield move; Potter seconds; vote 3-0, approved
 - Invoice #1: T&B professional services, new construction, through \$12,705.50 2011-10-30 through 2011-11-26 \$209,054 of the total \$339,200 Potter moves; Schofield

- second; vote 3-0, approved
 - Invoice #3: Waterline invoice #10, through 2011-11-30, reviewed by John and Ian, \$204,327.23 \$4.136M; balance \$1.035M Discussion: warranty 1 year from substantial completion. Schofield moves; Potter second; vote 3-0, approved
- 8:16 4. Letter to DEP: conservation measures and excess flow;
- Knight will put draft on the web site,
 - Mark Lanza to review before sending
- 8:19 5. Capacity increase, leaching field (Town Building); we will include appendix of Ian's update in the minutes
- 8:20 6. Flow meter input from Wayland Commons,
- Cooperation from Giblin for pump specification. Whitewater to start monitoring.
- Preparation for inspections during the week of 23-27 January 2012
- Discussed draft report form, written by Schofield
 - There are interested vendors.
 - Schofield to pursue and select a vendor.
 - Price needs to be under \$10k.
- 8:34 7. Discussion and approval of any ATM articles;
- none
- 8:35 8. Approval of minutes from previous meetings, if any
- 2011-12-21: "building fitouts" replace "water permits" in last paragraph on first page
 - Knight moves; Potter seconds; vote 3-0, approved
- 8:40 9. Financial report, if any; none
- 8:41 10. Calendar: upcoming meetings
- Regular meeting: 2012-02-08,
 - invite Ian Catlow from T&B,
 - includes budget hearing to discuss and make final approval of budget
- 8:43 11. Topics not reasonably anticipated by the chair 48 hours in advance of the meeting, if any,
- none
- 8:43 12. Public comment
- Anette Lewis: all costs need to be included in WWMDC, including John Moynihan's time, She suggests a current

year transfer and within budget in the future

- Linda Segal: suggestion that notion for John Moynihan's time be discussed with BofS before ATM warrant is finalized

8:54 13. If needed, executive session to discuss litigation,

- none

8:54 14. Adjourn

- Schofield moves, Potter seconds; vote 3-0, approved

On the return to open meeting, the meeting adjourned at 8:54 PM.

Respectfully submitted,

Fred Knight

Distribution:

Fred Knight

David Schofield

Sam Potter

Board of Selectmen

File

On Wed, Jan 11, 2012 at 4:18 PM, Ian B. Catlow

<IBCatlow@tighebond.com<mailto:IBCatlow@tighebond.com>> wrote:

Fred, et. al.:

On Monday and Tuesday of this week T&B staff oversaw the development of eight borings at the Town Offices site. All borings were developed as monitoring wells. Five of these borings are located at the north end of the soccer field, while the remaining three are located to the east of the baseball diamond, surrounding the existing septic system leachfield.

Our geologist has not finished writing up his boring logs yet, but I can offer the following generalized observations:

- Groundwater Depth – Groundwater was typically encountered approximately 5 ft below ground surface (BGS) during drilling. This is similar to observations made during our prior test pit work at the site.
- Overburden Depth – Across the site we encountered up to 10 feet +/- of sand and gravel overburden which was underlain by a sandy silt layer that we previously

encountered in our test pit work. Using the drill rig, we probed this sandy silt layer at several locations and confirmed that its depth exceeds 4-6 ft. We opted not to go deeper than this because we believe that this layer is acting as a relatively impermeable barrier to vertical groundwater movement. If our borings had shown the silt layer to be less than 2-4 feet in thickness, with additional coarse grained deposits beneath, then we would have advanced deeper borings on the idea that the silty material could perhaps be removed to improve infiltration capacity at the site. Since the silt layer exceeds 4 feet at all of the sites where we evaluated it, we concluded that deeper explorations would not yield higher discharge capacities in a cost effective manner.

The above observations are in line with expectations given the previous test pit excavation work at the site. Over the next week we intend to perform the following additional steps to confirm viability and/or develop a capacity estimate:

- Develop Wells – We will be pumping the installed wells to remove installation related sediments and then confirming stabilized groundwater depths.
- In-situ conductivity Testing – We will be performing in-well hydraulic conductivity testing to determine how quickly groundwater moves through the aquifer, and ultimately how much of a groundwater mound would be generated by a new groundwater discharge at the site.
- Groundwater Mounding Estimate – Once we have analyzed the hydraulic conductivity data obtained through well testing and other means, we will develop an estimate of the groundwater mound generated by the discharge. This will define soil import requirements for a mounded system and allow us to estimate system costs.
- DEP Coordination – Concurrent with these efforts we are trying to keep DEP apprised of our progress so that they understand the conditions that we have encountered. We will be seeking, at a minimum, their informal buy in on any design concept before we recommend it to the Town.

Feel free to email me with additional questions as they come up and I will continue to provide informational updates as we learn more from the field program.

-Ian