

**DATE: February 18, 2009**

**Regular Meeting Boothbay Harbor Sewer District Board of Trustees**

**PRESENT:**

Alden Jordan

Jonathan Draper

Chris Higgins

Lisa Kristoff

**Call to Order:**

Alden Jordan called the meeting to order at 6:00 PM.

**Review of the Minutes of February 4, 2009**

The minutes of February 4, 2009, meeting was reviewed. After review, Jon Draper made motion to accept minutes of 2/4/09, as presented. Alden Jordan seconded the motion. Vote in favor was unanimous. Jim Stormont forwarded his executed copy of the minutes to the meeting via email. The remaining trustees executed that copy.

**Review of Warrant(s) 1132**

Warrant 1132 was reviewed. Jon Draper made motion to execute warrant as presented. Alden Jordan seconded the motion. Jim Stormont forwarded his executed copy via email. Vote to execute warrants was unanimous. The remaining Trustees executed the copy that Jim sent.

**Late Notices:**

Jon Draper reviewed and executed the late notices for Spear.

**Gary Farnham Insurance Opt Out:**

Gary was absent from the meeting, therefore the discussion was tabled to a later date.

**YMCA Pool/Meadow Station:**

Chris explained that he did preliminary calc's and wrote back to the Y. In addition, he forwarded his calc's to Vic for a preliminary review. Chris explained the following: Currently, the pool drainage and backwash does not come to the District. It is discharged, underground, behind the Y. They have some kind of drainage system, out there, that was installed when the pool was built in the 70's. Nobody really knows how it works or where it drains.

The design criteria for the new pool is 800 gpm backwash rate for a total of 5000 gallons approximately once per week. Pool usage and filter head loss will dictate the frequency. The other pool is a hydrotherapy pool. The backwash rate is the same, but the volume is 1500 gallons once every 10 days or so. Again, the frequency depends on usage and filter head loss.

The volume of the backwash is not the problem, the rate of flow is. The existing Y sewer lines range from four to six inches. I calculated a drainpipe size of 10 inches to handle that flow at 5 feet per second of discharge velocity. We typically design around 4 to 6 feet per second for pumped flow. Obviously, the existing Y piping is too small to safely handle that flow. That is the first issue.

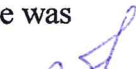
The second issue is the Meadow Pump Station. The station is rated at 250 gallons per minute. We actually get 236 gpm and 246 gpm out of each pump respectively. With both pumps operating, we get around 320 gpm. In addition, the gravity sewer line in RT 27 is 8 inch. Therefore, the rate is too high for our pipe at the point of connection of the Y sewer to the District's line. In addition, because of the proximity of the Y to the Meadow Station, the flow will enter the station quickly. This will cause the flow to back up in the wet well because our station is only capable of 320 gpm. Now couple this with wet weather conditions, we could really have an issue with water backing up into the gravity lines on RT 27. The station has exhibited excessive run times during wet weather. Ideally, station design would have 1 pump handle all flow with the other as a back up. We need both pumps to handle peak flows now.

Chris recommended that a further in depth review of the station be warranted. Chris also explained that the District has known since 1992, that the station was nearly its capacity. In 1994, as part of the RT 27 extension, the force main was increased from 4 to 6 inches. The District gained 100 gpm from this upgrade.

Alden asked if stimulus funding was available for this. Chris said probably not because DEP has 345 million dollars in projects on the table now and the State is only getting 45 million from the Feds. However, Chris said that Rural Development does have money available now. Chris said that he has heard that RD is giving money out at 45% grant to move the money because everybody is sitting on the stimulus funding.

Chris advised that if the District were going to look at the Meadow Station, it would be prudent to include 4-Corners and Commercial Street Station in the evaluation. Perhaps we could get funding to do all three if they were presented together.

Alden and Jon agreed. Alden made motion to have Wright-Pierce perform the evaluation to get pricing and the potential impact on rates. Jon seconded the motion. Vote was unanimous. Chris will contact Vic on Thursday to get started.



**State Paving:**

Chris informed the Board that he received a letter from DOT stating that they are going to apply a 5/8 maintenance shim on several roads in town. Chris advised that the District would have to raise manhole covers and rebuild some grade bricking in advance of the paving work.

**Old Business:**

Chris informed the Board that:

1. The Lockout/Tagout procedures are finished for the plant. Each piece of equipment now has its own procedure for isolation. The pump stations are next. After that is complete, the emergency response plans are going to be updated.
2. The manhole inspection data from this fall is being entered into the database. Once completed, the data will be entered into the GIS.

**New Business:**

None

**Public Comment:**

None

**Correspondance:**

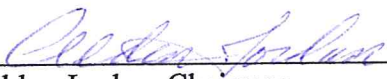
None

**Adjourn Meeting:**


Jon Draper made motion to adjourn regular meeting. Alden Jordan seconded the motion. Vote was unanimous. Regular Meeting ended at 7:00 pm.

  
Alden Jordan, Chairman

We, the undersigned, do hereby waive notice of the above meeting and do agree to the business transacted.

  
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Alden Jordan, Chairman

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Jonathon Draper, Treasurer.

  
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Jim Stormont, Clerk