

approved
4/9/18



Town of Carver, North Carver Water District Commission

Posted in accordance with the Provisions of M.G.L. Chapter 30A, Section 20B

Meeting minutes for February 12, 2018. The North Carver Water District Commissioners met, today, at the Carver Town Hall, meeting Room # 3, 108 Main Street, Carver, Massachusetts.

Attendees: Kevin Tracey, Chairman; Stephen Romano, Commissioner; William Sinclair, Commissioner

Absent:

Also present: Bruce Trumbull, SWSS; Michael Ohl Comprehensive Environmental Inc.; Stephen Cole, Planning Director; John Woods, Operations and Maintenance; Dave Siedentopf, Director of Operations and Maintenance

Meeting called to order at 5:01 PM, by Mr. Tracey

Ed Whatley, Wright Pierce Engineering – Rte. 44 Development, Urban Renewal Plan

With Jim Cray

Mr. Whatley – presented a graphic of the design for the Urban Renewal Plan. This is mostly distribution; all commercial/industrial with no industrial wastewater. There will be an onsite wastewater treatment disposal area. It's been moving fairly slow; we gave the developer preliminary costs with high contingencies. The developer has decided to move forward; they have filed the ENF which came back with comments but nothing significant. They are now doing the MEPA Draft Environmental Impact Report, which has more detailed design. On the water side, we will answer all questions that DEP has. The goal is to be able to provide everything by the end of April. We are in great shape on the waste water side. We need to talk about the water side. Mr. Cray – For design flows we are

looking at average daily between 23,000 and max of 38,000. Some options we are looking at as far as water and fire protection would be;

Dedicated system on site with the Domestic demand would be fed off of NCWD – If we had domestic storage it would be a smaller tank and would

- Separate domestic and fire protection with ground level for fire protection
- Combined domestic and fire protection – This would probably not be a feasible.
- Elevated domestic plus fire protection.

From a supply standpoint; capacity may be an issue. If we refill our storage on site there will not be much leftover, causing a delay in filling. This could be an issue if there is a fire issue. Fire protection is our priority. I understand you have an agreement with Middleboro? Mr. Tracey – Yes, we do. Mr. Cray – We may need to meet with them to discuss emergency use through them, as a reliable source for fire refill. Mr. Romano – You know all our fire engines have water on board? Mr. Cray – Yes, I am aware. Mr. Ohi – They wouldn't have nearly enough. What this affects for them is insurance. Mr. Cray – We are looking at 4,500 gals per min; 500,000 gals available. We are looking at a 500000-600000 gall tank. Mr. Romano – Why doesn't combined domestic work? Mr. Cray - combined domestic doesn't work as it takes too long to refill. Mr. Ohi – There is a water issue, that is not a health issue, but will raise a flag to DEP and is an indicator of stagnant water. To put that much in storage would be an issue; the system doesn't use enough water. Mr. Romano – It's not tied to us; it doesn't help our water pressure? Mr. Ohi – Correct. Mr. Cray – If we did a much smaller volume tank it would help your water pressure. Mr. Whatley – Shared storage has been mentioned. Mr. Romano – All the hydrants would be tied into your tank? Mr. Sinclair – No only the ones on your site; which they will fill. Mr. Romano – What will be in the building to burn? Mr. Ohi - That depends on the occupants. Mr. Ohi – this is a building that could have paper, cardboard, etc.... That will cause a fire hazard. Mr. Whatley – Yes, that is how we have got to the 500K to 600K tank size. Mr. Tracey – Id like to see some shared domestic that could potentially help us. Mr. Ohi – What it would help us with is if the pumps go down, no one would know. The concept of moving forward with something more permanent, automatic (Middleboro); may provide fire flows automatically if really needed. It would be direct piped through their main. I am sure the fire department would prefer this as well. Normal pressure is 50-60 PSI; you could set a pressure control valve that would stay shut until pressure drops to about 25 PSI. No matter how much they try to pull out of there they won't be able to go past a certain pressure. Mr. Sinclair – are you basing your numbers on the 1.5 mill and the 500 and 800K sq. ft. building? Mr. Cray – Yes. Mr. Trumbull– If you back flow vent, it would save you money and give us our 100000 gals. Mr. Ohi – most communities would deal with some type of issue after a fire. They would want to throttle that flow to fill. That's going to be a special case to manually fill. Some of the pipe on Plymouth Street is only 8". We would need

to be careful with pressure. Mr. Tracey - When Middleboro flushes (110PSI) we have had water main breaks. Mr. Sinclair – Part of that MEPA file that you are all doing, how much do you have to give them for the source? When the water system came in; it was due to Middleboro not giving us any more for development; my concern is that they will say no because this is economic development. We should look for alternative sources. The developer wants to get guarantees for MEPA; this is not a guarantee. Mr. Whatley – this is good to know. We want to at least talk to Middleboro but we will research other options. Mr. Romano – Why couldn't they just do some wells on the site where this is not drinking water? Mr. Cray – That's the next piece. Mr. Sinclair – When we put our wells in; the draw down was weaker toward Kingston. Your draw down would directly impact us. Mr. Romano – Couldn't you control the flow? Mr. Ohi – You have conflicting interest. You want slow as possible; the business wants it as quick as possible. Mr. Trumbull– A partnership between the two would work best. Mr. Ohi – If we are going to do a well, I would like to do something that would serve us both well. When we met with DEP; big picture meeting, we were talking about the need for additional water it was discussed repurposing cranberry grower wells due to declining industry. Mr. Tracey – These bogs are still being worked. Mr. Whatley – Does anyone have any knowledge of the pond on this map? Mr. Tracey – It's a reservoir from the bogs. I think its left over from when they were working it. Mr. Whatley – It's around 8 acres. Mr. Romano – What about on our site? Mr. Tracey – We discussed exploring the test sites. Mr. Romano – I'm talking about on Montello. Mr. Sinclair – We've been talking about investigating those wells but the money is never there. Mr. Romano – The developer has the money. Mr. Whatley – You would want a separate pipe going to the parcel – with daily demand to treatment and the ability to divert a bigger flow when you need it. Mr. Ohi – Even if it all passed through the treatment plant, the finished water storage was enlarged to handle day to day equalization storage and a 100K elevated storage tank is constructed. To get more flow, the membranes could handle twice what they do right now. Mr. Sinclair – I think we should be open to the option of them pursuing some viable wells on our property. Mr. Tracey – I agree. Mr. Cray – Yes, the critical thing is supply and refill rate. Mr. Romano – What is the time frame? Mr. Whatley – Environment impact is due the end of may. Mr. Sinclair - RDA is looking for the conclusion of MEPA by December. Mr. Whatley – I can't commit to new water source but I need to communicate with the developer, our needs. We need to look at our options (with Middleboro as a last resort).

Mr. Whatley - I am thinking we may need to come back for the next meeting.

Mr. Sinclair – Are you doing any onsite testing? Mr. Cray – No, not at this time. Mr. Tracey – Your demand is getting close to allowable but should fit in the permit. Mr. Whatley – Is the town doing any waste water planning? Mr. Tracey – No. Mr. Whatley – When this is successful, it will generate some needs; hotels, etc. Mr. Sinclair – That being said, that 2nd phase becomes more viable. That will take time. On the average time for new source approval we are talking 3-5. Mr. Ohi, in order to get it; they want to see that you've met the conservation goals –

- 65gal per capita per day
- Unaccounted for water is 10% or less

Mr. Whatley requested a copy of these minutes. It was agreed that we could provide him a copy as long as it was noted this is a "draft" copy only.

FY 19 Budget:

Mr. Tracey – Distributed proposed budget. The good news for us is that the "Diff" revenue is going up to \$110K. There were no real concerns. Our water operator contract is still an unknown until RFP. The projected shortfall should be about

\$225-250K; the Town Administrator is talking about creating a "contingency" for that. Mr. Sinclair – Under "Other Professional Service" went from \$25K? Mr. Tracey - That was based on a review of the last three years; there has not been a lot of "Other Professional services;" for example, clear water expansion covered expenses for Mr. Ohl. Mr. Sinclair – As a resident, it shows the fiscal responsibility; which is what I have been advocating for.

Water Operators Report:

Mr. Trumbull – A few items –

- On our end – we want a water tower for the project; I believe it's already been mandated by the state. We do not want surface water.
- Our present gal/day is about 14K; which is down quite a bit.
- Telephone line (line 2 – just keeps calling out)- John is working on it.
- Well 1 – Wiring issue has been temporarily fixed but will be fixed permanently when part is received.
- Stephen Rye – Green Street and North Main – looking to put in a development – I referred him to you all.
- 0 Plymouth Street – Nothing going on with this, right now. I have referred them to you as well.
- We don't have any closure on the Verizon wireless router. Jill is still working on it; she is having issues internally due to access issues. The one we are using is very old. This is at the North Carver Treatment Plant. Mr. Woods – I will address this when I am talking with them about the telephone line.
- 70% level in the propane tank
- Well issue – elevated ground water levels is helping it out.
- Bill Duggan asked for a tour of the plant – I told him I would pass that on to you.
- Hydrant by Shaws has been fixed.

RFP – Water Operator Contract:

Mr. Siendentopff – We have been busy with high school field. Mr. Tracey – Does someone from the school side want to be involved where this will be involving them now. We need to have minimum qualifications on the xenon plant. We need an RFP, as well. We need to have something in place by July 1, 2018.

Bills Payable:

Motion to approve bills in Batch #1 in the amount of \$10,642.00: Mr. Romano

Second: Mr. Sinclair

Approve: Unanimous (3-0)

Motion was made to approve bills in Batch #2, in the amount of \$13,758.92: Mr. Sinclair

Second: Mr. Romano

Approve: Unanimous (3-0)

Minutes – December 11, 2017& January 8, 2018:

Motion to approve the minutes from the January 8, 2018 meeting, as written: Mr. Romano

Second: Mr. Tracey

Approved: Unanimous (2-0-1)

Motion to approve the minutes from the December 11, 2017 meeting, as written: Mr. Sinclair

Second: Mr. Romano

Approved: Unanimous (3-0)

Correspondence:

DEP – Copy of sanitary survey. We passed!

Next meeting:

Motion to approve the next meeting date for March 12, 2018 at 5:00 PM: Mr. Romano

Second: Mr. Sinclair

Approved: Unanimous (3-0)

Meeting adjourned:

Motion to adjourn was made at 6:38 PM: Mr. Sinclair

Second: Mr. Romano

Approved: Unanimous (3-0)