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NEW PAPER TOWN SLEEP

**MEETING OF THE ORLEANS
BOARD OF WATER/SEWER COMMISSIONERS
January 19, 2022**

The Board of Water and Sewer Commissioners held a Zoom meeting on Wednesday, January 19, 2021 to conduct regular business:

Those present were Alan McClennen, Herbert Kinney, Robert Rich, Richard Hartmann and John Meyer of the Board; Mark Berson and Len Short, Associate Members of the Board, Todd Bunzick and Susan Brown of the Water Department, Tom Daley, Director of Public Works and Natural Resources, Tim Harrison and Amy Hunter from AECOM, and Lynn Bruneau, liaison from the Finance Committee and Kevin Galligan, Select Board liaison. John Meyer of the Board was late to the meeting, Mark Berson voted in his absence.

Alan McClennen called the Board of Water and Sewer Commissioners meeting to order at 1:00 p.m.

MINUTES

On a motion by Leonard Short seconded by Robert Rich, the Board voted to approve the minutes of the meeting of December 15, 2021 as amended. The vote by the Board was 5-0-0 with Alan McClennen, Mark Berson, Robert Rich, Richard Hartmann and Herbert Kinney all voting aye by roll call.

WATER DEPARTMENT REPORT.

WTP PUMP REPLACEMENT PROJECT

Maher Services determined after inspecting the motors for finished water pump #2 and raw water pump #1 that additional work would be necessary and provided a price of \$11,965.00. There is only raw water pump #2 left after these are reinstalled.

WTP RESIDUALS MANAGEMENT PROJECT

Stephen Olsen of H2Olsen provided draft plans for an upgrade/replacement of our existing settling lagoons at the water treatment plant. We hope to put this out to bid sometime in March 2022 in order to have a bid price for the Annual Town Meeting.

WATER SERVICE/MAIN BREAKS

The Board was provided with an update on recent breaks in comparison with the prior year. There were 16 breaks in 2020 vs 23 in 2021.

ACTION ITEM LIST

The Board was presented with an updated action item list for discussion and review.

- 11 Letters to be mailed to the final remaining homes to be switched over to cellular with a shut-off date of 5/1/2022
- Article III of Chapter 158 will be voted at the May 2022 Annual Town Meeting

- Chapter 196 Water Department Rules and Regulations approved changes were given to the Town Clerk to be updated in the Code of Orleans

Mark Berson suggested a sign-up booth for Town Meeting for Eye on Water

2021 ANNUAL TOWN REPORT

A motion was made by Robert Rich seconded by John Meyer to approve the Annual Town Report as amended to include more regarding lack of participation with Eye on Water. The vote by the Board was 5-0-0 with Alan McClennen, Herbert Kinney, Richard Hartmann, Robert Rich and John Meyer all voting aye by roll call.

NEW BUSINESS

COMMITMENTS/ABATEMENTS/REFUNDS

A motion was made by Leonard Short seconded by John Meyer to commit for the month of December 2021 to rate \$0.00, to installations \$160.00, to services \$1,000.00, to usage \$0.00 and to added billing \$862.41. The vote by the Board was 5-0-0 with Alan McClennen, Herbert Kinney, Richard Hartmann, Robert Rich and John Meyer all voting aye by roll call.

A motion was made by Leonard Short seconded by John Meyer to abate the \$10.00 demand fee for 71 Briar Springs Rd that was added after the Water Department inadvertently deleted his request for auto-pay for the account. The vote by the Board was 5-0-0 with Alan McClennen, Robert Rich, Richard Hartmann, John Meyer and Herbert Kinney all voting aye by roll call.

A motion was made by John Meyer seconded by Leonard Short to abate \$27.00 from the basic rate for all participants of lead and copper sampling totaling \$1,674.00. The vote by the Board was 5-0-0 with Alan McClennen, Robert Rich, Richard Hartmann, John Meyer and Herbert Kinney all voting aye by roll call.

A motion was made by Leonard Short seconded by John Meyer to abate interest and penalties totaling \$12.53 for account #4142 because she never received her bill as a result of her name being entered incorrectly into the water database. The vote by the Board was 5-0-0 with Alan McClennen, Robert Rich, Richard Hartmann, John Meyer and Herbert Kinney all voting aye by roll call.

A motion was made by Leonard Short seconded by Robert Rich to abate interest and penalties for accounts 5192 (\$19.82) and 4383 (\$14.90) that were added after their autopay was rejected due to an Invoice Cloud imposed max credit card amount of \$400.00. The vote by the Board was 5-0-0 with Alan McClennen, Robert Rich, Richard Hartmann, John Meyer and Herbert Kinney all voting aye by roll call.

Susan Brown is working with Invoice Cloud with the hope of resolving this issue.

A motion was made by Leonard Short seconded by John Meyer to abate interest and penalties in the amount of \$10.53 for account 614 because the

homeowner never received his bill because the prior owner had requested to go paperless so the bill went to their email address. The vote by the Board was 5-0-0 with Alan McClennen, Robert Rich, Richard Hartmann, John Meyer and Herbert Kinney all voting aye by roll call.

The Water Department will add a reminder on all final readings to all sellers to delete their account with Invoice Cloud or to call for assistance from the Water Department.

A motion was made by Leonard Short seconded by John Meyer to abate basic rate charges for the Governor Prence Motel that occurred after purchase by the Town of Orleans. The vote by the Board was 5-0-0 with Alan McClennen, Robert Rich, Richard Hartmann, John Meyer and Herbert Kinney all voting aye by roll call.

In a letter to the Board of Water and Sewer Commissioners, Brian Nelsen of 23 John Kenrick request an abatement of interest and penalties that accrued because the payment he made from his bank was returned to his bank by the Post Office because he used an invalid mailing address. Water Department invoices instruct customers to use PO Box 863, Reading, MA 01867-0407 when remitting payment and we provide the return envelope for this but they are instructed to use 19 School Rd, Orleans, MA 02653 when using their banks online bill pay system because without a remittance slip there is often a delay in posting payments.

The Board postponed a decision on this request and requested more information.

A motion was made by Leonard Short seconded by Richard Hartmann to approve placing account #5262 at 92 Rayber Rd on standby effective 1/1/2022. The vote by the Board was 5-0-0 with Alan McClennen, Robert Rich, Richard Hartmann, John Meyer and Herbert Kinney all voting aye by roll call.

ANNOUNCEMENTS

Jeremy Souza of Code Red Consultants sent an email to extend his sincere thanks and gratitude to the Water Department staff for their assistance from beginning to end in coordinating a hydrant flow test.

WASTEWATER

See attached by Amy Hunter of AECOM for the minutes related to wastewater.

ADJOURNMENT

On a motion by John Meyer seconded by Richard Hartmann the Board voted to adjourn the meeting at 2:41 pm. The vote by the Board was 5-0-0 with Alan McClennen, Herbert Kinney, Richard Hartmann, Robert Rich and John Meyer all voting aye by roll call.

LIST OF DOCUMENTS USED

1. Draft Minutes December 15, 2021
2. 12/16/21 Maher Services proposal No MS-4632A regarding HH2 and RW1 motors at WTP
3. "Draft" Water Treatment Plant Lagoon Upgrade/Replacement Plans

4. Water Mains/Service Breaks graph for 2020 and 2021
5. January 19, 2022 Action Item List
6. List of 11 remaining meters to be changed to cellular as of 1/19/2022
7. Draft 2021 Annual Town Report for the Water & Sewer Department
8. Commitments December 2021
9. Abatement Form, Account 3317
10. Abatement Form, Lead & Copper Samplers 7/1/2021-12/31/2021
11. Abatement Form, Account 4142
12. Abatement Form, Accounts 5192 & 4383
13. Abatement Form, Account 614
14. Abatement Form, Accounts 39 & 40
15. Letter, Brian Nelsen of 23 John Kenrick Rd
16. Standby request, 92 Rayber Rd Unit 13B
17. 1/5/2022 email from Jeremy Souza of Code Red Consultants

The next regular meeting is scheduled for February 16, 2022 at 1:00 pm.

Secretary, Board of Water/Sewer Commissioners

**Board of Water/Sewer Commissioners
Meeting Minutes**

Part VI. Sewer Update

Meeting Date
January 19, 2022

Project No.: 60587515

Meeting Location

Nauset Room, 19 School Road, Orleans, MA 02653
Webinar: <https://us02web.zoom.us/j/82864206038>

Attendees

BWSC Members: Alan McClennen, Robert Richard, Leonard Short, Herbert Kinney, Mark Berson, Dick Hartmann, John Meyer
Town of Orleans: Todd Bunzick, Susan Brown, Lynn Bruneau
AECOM: Tim Harrison, Amy Hunter, Nicholas Broderick
HPC: Hadley Luddy, Nello Trevisan, Peter Wade

Time Meeting Convened (by Alan McClennen)

1:00 PM

Time Meeting Adjourned (by Alan McClennen)

2:41 PM

Summary of Discussions (Prepared by Nicholas Broderick)

1. Background

- a. The purpose of Part VI of the Board of Water/Sewer Commissioners (BWSC) meeting was to provide an update on the Town of Orleans sewer work including contract 2019-01 Wastewater Treatment Facility and Effluent Disposal and contract 2019-02 Downtown Area Collection System and Pumping Stations.
- b. This was posted as an open meeting beforehand, and the public may attend if desired.

2. Discussion

- 14 Old Tote Road
 - Tom Daley - the new form requested from HPC (the additional allocated wastewater flow application, Appendix J) has no current fee for the application as it was not adopted. Since this is the guinea pig, they fortunately won't have to pay a fee because they haven't established a fee. They did submit the form as requested and included all paperwork. I believe this is a complete application but have a couple of minor questions. Sue has a signed copy of page 4 submitted. Up to the Board what their view is on this.
 - Alan McClennen – I want to remind everyone that this is a property owner inside our Downtown Sewer System Area that wants to expand. So we have studies based on years of water supply and we knew what the probable flow was from this property based on work done by AECOM and others. The issue is now they want to expand, how do we deal with it? Our provisions allow us to do it but this is the first time we set up an Appendix J. When AECOM was here at our meeting, they became aware that we need to add some columns to our existing tables because this is something we're

going to have to start to track. There is more than enough capacity in Downtown to take care of everything that is there and what might grow, but we need to keep track of it because some time in the future we might end up reaching capacity. With that, any questions?

- No Questions
- Tom Daley – my questions are not so much in relation to the actual application but will help you and us guide the actual design of the connection. On page 3 of the application, it mentions you will be serving food at the establishment. This is also set up for restaurants and is pretty generic, but it says if you have seating capacity (for commercial applicants only) – ultimately, do you need an exterior grease trap? Will you be preparing food or just serving pre-packaged food?
 - Hadley Luddy– we do not need a grease trap, to your point, we will not be preparing any food, just serving light refreshments occasionally. Nothing that would require a commercial kitchen of any sort.
 - Tom Daley – I figured but I wasn't sure if in future you'd be doing any food prep.
 - Dick Hartmann – to clarify, if they determined they needed a 3-bay sink for their needs, the plumbing code says you need an interior grease trap, and the plumbing code says you have a 3-bay sink if you have a commercial kitchen. The plumbing department will say that you need to have an interior grease trap and then we'd say you'd need to have an exterior grease tank, but I think it starts with that 3-bay sink.
 - Tom Daley – I agree with you.
- Tom Daley – That's it. I do not have any issues with the application, I think it's very thorough and detailed.
- Alan McClennen – Just to remind everybody that what's happening here is HPC in Section 3c is requesting a proposed net increase in allocated wastewater flow of 215 gal/day (which is backed up by the work of John O'Reilly Engineer)
- Nello Trevisan (Member of the Board of HPC and Chair of Building Committee) – just a clarification, we talked about adding a second apartment in the basement. That will be dependent upon what the final fees the Town decides would be due. It may be that that extra 110 gal/day may not come to fruition because based on the costs, we may or may not move forward with renovating for a second apartment. We'd like to do it, but we'd have to see what the final costs are.
- Alan McClennen – motioned - approving under section 3c, they have requested proposal of an added increase of allocated wastewater flow of 215 gal/day.
 - Len Short Moved, John Meyer seconded.
 - Tom Daley requested discussion – Alan McClennen approved.
 - Tom Daley – the Board approves it, then the only thing missing from the entire application would be the fee (the betterment fee paid) and we don't know what that is going to be yet. I think it's only fair for the Board to give them guidance at this point on what the Board's pleasure might be. So, one of the ways of handling this is that there's a sign off on the form (Appendix J) for the Board, and I will ask Sue/Todd to have that available at the office so when you guys come in and sign, you can sign this also. The last signature is mine and I'll just hold off on signing that until we get the fee whenever that's determined if that is OK with our people on how to handle it. They'll have approval of the Board so it should be good to go other than just paying the betterment fee.
 - Alan McClennen – just to alert people, the issue of betterments is still very much in play. The Betterment Bill which was voted on over a year ago is sitting in the committee on third reading in the Senate, has been passed by the house apparently someone objected during formal sessions back in December so we do not have formal bill yet but we will alert you on February 9th the Select Board is

convening a meeting with the BWSC for our quarterly update and I will guarantee you that the issue of betterments and how we proceed with other fees and costs to people of Downtown and MHP will be a prime item on that agenda.

- Kevin Galligan – no comments but I'd like to share a brief discussion of the Select Board that was more general about future attachments to the sewer system for you to consider.
 - Alan – motion on floor now, any further discussion?
 - Dick Hartmann – I'm in favor of this, however, no one knows exactly what their allocation is yet. This is coming to us a bit premature because based on the rules and regulations, we have to look at the last two years to a point in the future. We have some decisions to make and there's going to be some massaging to do as these come before us. This is a simple one with not a lot of flow, but people who will change their flow between now and then but for no reason aren't going to have this issue. So, I just want to be sure that everyone knows we are still going through a decision-making process.
 - Alan – this is a very easy first one.
 - Dick – correct and it was a great example to get the form on the table and Tom Daley, you guys did a great job of getting it out there. This is good for everybody. We got some admin stuff handled but we do have the Transition rules and there's still things to do. The meeting with the Select Board will be quite powerful too.
 - Alan McClennen motioned, and the Board granted the additional flow 5-0-0 and dismissed HPC.
 - Nello Trevisan – thank you everyone especially Tom Daley.
 - Tom Daley - please make sure the application they submitted that Sue has available is signed by the Board when they come in to sign and then get that final application to me for my signature. We will see how things play out with the betterments but at least they have good guidance and willingness of the Board to allow them to move forward with confidence.
 - Alan – Thank you.
- Sewer Construction Update
 - Kevin Galligan – During the last select board meeting, George reported visits informally, by a developer that's pursuing potential housing at the underground mall and discussion came up about sewer connection. As we know, that is not in a sewer service area all though some folks were excited to maybe pursue that for all good reasons I just want to share with you I tempered the board to allow you folks as water sewer commissioners to again like with you did HPC work through your process and I emphasized the fact of in sewer service area versus out of service sewer area and I'll leave it at that.
 - Alan McLennen- I want to add that this was the first time we have seen someone of significance on the outside that went to come in. In this case, there this interesting subset that we need to keep in mind, the town has an approved CWMP which outlines the parcels and areas in the town of Orleans that is scheduled to be sewerred and they represent somewhere between 40-50% of the town over the term of the CWMP. Those sections were selected because the primary focus of the CWMP started in 2005 or 2006 was to deal with nitrogen loading in our estuaries and so all though the CWMP did look at freshwater ponds it did focus on saltwater estuaries to remove nitrogen so one of the things that took place in that process was to determine which watershed were nitrogen sensitive and everything in pleasant bay is nitrogen sensitive, abutting town cove, we have certain area Atlantic coast watershed is not nitrogen sensitive and little Nantasket are not nitrogen sensitive. Turns out the underground mall is in a non-nitrogen sensitive watershed, so yes we should talk about expanding but it does get somewhat more complicated because we would then

need to change the CWMP. So that's sort of a subtlety that came up when we began to look at that.

- Tim Harrison, AECOM, presented on details and updates for the construction of the Downtown Area Collection System and Pumping Stations and the Wastewater Treatment Facility and Effluent Disposal projects.
- Tim Harrison Presentation points included:
 - 2019-02 Collection System and Pumping Stations Project
 - Robert B. Our Co, Inc. is on budget and on schedule
 - Pipe and pump installation is scheduled to be complete in June
 - Paving is scheduled to be complete in August
 - Approximately 70% of contract schedule
 - Approximately 62% of contract value
 - 2019-01 Wastewater Treatment Facility and Effluent Disposal Project
 - Daniel O'Connell's Sons, Inc. is on budget but has warned of potential schedule slippage – approximately July/August completion date
 - Working hard to overcome COVID-19 related supply chain issues
 - Currently 50-day delay but hope to have better news at the next update
 - Approximately 79% of contract schedule
 - Approximately 55% of contract value
 - Structures at administration building, SBRs and Equipment Storage Facilities have been erected
 - Equipment is being delivered and installed, most recently the generator
 - Aquifer Recharge Site – wick wells are being constructed
- There will be a joint meeting 2/23/22 with the Select Board regarding the Betterment Bylaw discussion
 - Alan McLennen - We don't know if legislature is going to pass or not, we are hoping to know by February. That has made it difficult for us to start publishing numbers and figuring out what different people are going to pay. In anticipation of trying to get a handle on some of these numbers I've done some research and just to remind you that we have a cost of a plant, a cost of a collection system, the cost to private people to connect to the street which is their cost and there is two subsections two that, one is gravity and the other in a few cases and many in meetinghouse pond is the need for a grinder pump and we have tried to help with the cost of grinder pumps which under our existing policy have been costs to the homeowner, and we went out to bid and have bids for four different grinder pumps by the same company and the prices range from \$4,000-\$7,000 the differences are size of the pump and those would be borne by the people tying into the system. So one of the questions for people who have to tie in into the system, exclusive of what the betterment fee may be, I have reached out to the town of Chatham who are a couple years ahead of us and they did a survey there and it turns out with 100 respondents the median costs for people tying into the Chatham system, not needed a grinder pump was between \$8,500 and \$9,500 and the different occurred whether they had to redo a driveway or fix the lawn which is a site specific issue. They had a second survey which looked at those people needing grinder pumps and there were not many grinder pumps in Chatham, so the sample was only about 9-10 properties, and, in that case, the minimum costs was \$12,490 and the maximum was \$35,185 and that maximum had all sorts of other issues relating to it. The medium was about \$24,442 and the mean was \$21,000 so grinder pumps appeared to be \$8,000-\$10,000 more local costs. Those numbers included engineering costs to the people, so that's an issue we have to face. The other issue that has been taking place

that we need to try and remember and I think some of the select board members realize is that when we went to the town meeting in May of 2019 we told the taxpayers that we thought we'd get 25% of the cost of this project from the cape and islands clean water trust, we thought we'd get 10% from the state revolving loan fund and we discovered right at the bitter end that Orleans and Chatham had average median income that exceeded the state therefore we weren't eligible, only two towns on the Cape are eligible that may have changed but we had to absorb that. We made some estimates on hotel motel and we indicated that somewhere around 25, 24 percent of the total cost would be borne by the taxpayers, when we went back a year later because the cost has increased the taxpayers were online for 28% of the cost, cape and islands still at 25%, betterment was around 16%, hotel motel was at 18%, short term rental was about 13%. So the taxpayers were in for about 17 million at that time, subsequent to that we started collecting revenues from the short term rental properties and the town meeting in spring 2019 voted that every penny of that new revenue stream was to be placed in a stabilization fund specifically dedicated to wastewater. As of 12/31 last year, we have received through the hotel motel tax and the short term rental tax, 3,116,247.75. far in excess of what any projection was made at the time. Now, at the same time we have used that fund on 4 separate occasions to pay for wastewater activities. If you remember last June, we created a wastewater enterprise fund, so that the entire sewer operation would be operating through that enterprise fund. At the town meeting, we put ultimately \$726,573 into that stabilization fund so it sits there basically unused so far. We also took money out of the stabilization fund to pay for the adaptive management program which were approved last spring, in the special town meeting in the fall, before the \$100,000 back in the stabilization fund, in anticipation of work we were going to do either to hire staff or a consultant to help with this bridging barrier with the CWMP and we also put \$250,000 out of the stabilization to fund the work now being done by AECOM on freshwater ponds on Tonset Road, rock harbor, and so forth. So we've taken out 1,232,913 and we have a balance of 1,883,000. So I am projecting based on what has been happening is we will have for this fiscal year which ends June 30, we will probably bring in about a million and a half dollars into that stabilization fund and that is way higher than what anyone has thought. I want to add a footnote that short term rental tax started being collected in July of 2019 and when covid came in 2020, legislature passed a law that said that certain classes of short term rental business could defer their taxes until the fall of 2021, so we did receive a slightly larger return for the fall of 21, I don't know how much of that was deferred payments. But, with this background, it appears that we are bringing in somewhere between a million and a million and a half dollars under the short term rental and hotel motel tax and I would also note that our hotel motel tax was increased from 4% to 6% in July of 2019 and we may estimate in our recent meeting that we will bring about \$349,000 in the hotel motel tax. Last year we took a little bit of a hit because of covid and the standard hotel motel tax, this year we are running and I think we will be close to 94% of what we predicted in 2019. As we look forward, I think on the 9th of February we need to have a very serious discussion with the Select Board and the water and sewer commission about how we deal with long term financing for this multiyear project. We do not know today whether or not meetinghouse pond is in the intended use plan, Tim and I talked about this earlier, usually that plan is published in early January, we suspect that it is being delayed a little bit because the infrastructure money that was passed by the feds back in November dictates that the state has to have a plan on how to use this money within 90 days. So its going to come through the SRF and 50% of all the money has to be paid by direct grant, so there is a possibility that, assuming meetinghouse pond is in the IUP which I totally suspect will be, I think it will be the largest projects on cape cod actually looking at what's going on and we it in at 32 million, there is a possibility that 50% of that project could be paid for by federal infrastructure money, so 32 million might become 16 and the cape and islands trust, and there is no guarantee, but if they follow their policy of 25% of the cost for wastewater which is met by their income we could end up in a situation here a 32 million project of meetinghouse pond might be as little as 8 million for the town of Orleans. This is all no guarantee, but when you look at how it is all coming together its something that we need to think about. Don't make any decisions until the money is there so think about that. So then if you what we're getting through the hotel motel tax and the short term rental tax and you look at the dept we will have to pay over time, we have downtown about 44 million, 30 years, zero interest is a little less than 1.5 million a year. I've told you earlier the short term rental and hotel motel is going to be a little over a million and a half each year, so we have a situation where it is possible that the entire

cost of downtown will be paid for the cape and islands clean water trust and the rest by using the enterprise fund and funds from the SRF annually so what that says is the taxpayers of Orleans who were told in 2019 and 2020 that they were going to have to pay 17-18 million for this project, might have to pay nothing. Second, we said that the betterment policy for downtown is those people who are connected, and this is what we told town meeting 2018, the selectman said the people are going to pay for collection system through betterment. The cost of the betterment system has fluctuated from as little 11 to 13, and there's another 7.5 million out there in this pre betterment discussion which might be as much as 20. But, by using the financing plan which we adopted and creating the stabilization fund one could argue that there is no need for betterments downtown but let's see where the numbers go but that's the discussion we should have. When you look ahead to meetinghouse pond, this is a problem raised by us and the financing committee on several sessions, our existing policy for betterments for downtown is that everybody who is connected to the system pays for the cost to that system. Ironically it works out that since we are building the plant downtown and doing other work that works out to about 20-23% of the total costs which is consistent with what the CWMP said in 2008. 80% taxpayers, 20% uses. But if you extend that policy to meetinghouse pond, the total cost is the collection system and you have 360 people who are going to connect to the system that may cost 32-8, 24 million which is a fairly expensive betterment and we presented to the select board in November just about \$49,000 so this is the issue we have to deal with coming up on February 9th, I just wanted to give you some background and think the way to proceed here. If you think about the costs, I gave you before I got into betterments, the people who are connecting to the system are either going to pay somewhere between 8-9000 based on the Chatham numbers for gravity connections and double that if there is a grinder pump involved. So they're paying for that so the question you ask is that they're paying to clean up our waters and our policy is that they have to pay for everything on their land, so why then if we can pay for the collection system with grants and another funding system, do we charge them a betterment, so that's one of the discussions you can hear on February 9th and with that background I am open to any thoughts comments, and direction, I'm only the chair. Before we get into it, we are at the stage now where a decision that has been studied extensively since 2017 that's when we started talking about betterments and we sort of worked all the different choices, and we've gone down a path which probably is not where we should go now based on the funding mechanisms that have been created. Just to give you a little history, wastewater used to be 20 years, state SRF finally changed it to 30 years, and marked rates down to 0% and then we got cape and islands trust and all these other things we have going on, and by the way there is another program that is coming along that will help subsidize those people to connect to the system that is working through the county right now so that will be there. So anyways, we started at 150 million bill and we may have put this together in a way over time that is a lot cheaper.

- o Dick Hartmann - That is great news and thank you for all you've done tracking it and explaining it to us. I want to talk about for a second our, and this is my personal thing, but our role on policy. We are information guys and what I refer to as the corner office to Kevin's group and our elected leaders are the real policy guys, so I think to the degree that we have opinions, and we can talk about fair or not fair and I think you've done a great job with the options I'm sure others have a lot to say but our options are getting very exciting. There's still a bunch of what ifs in play but the existing policy, potential policy, is indeed a policy, so thank you for making it so clear and I think that it's a huge benefit to the town, I just want to remind us that we are information providers and opinion providers and bit of the projects and perhaps even technical and it does go back to the Select Board is the policy people and as Kevin put out earlier though they are asking for input this is indeed exciting and dynamic.
- o Mark Berson - I think its brilliant planning or outrageous luck but irrespective of which way it goes when we talk about meetinghouse pond and the amount of people that are going to be benefitted and what would have been if not for, and it raises my equal protection consciousness to a height were you may discriminate against certain individuals to the benefit of others. And again, it may not be but it really, really, it raises an issue to me as a lawyer whether or not the essentially call it betterment tax enabling structure is such that it discriminates against some as opposed to others with probably no good reasons, money is money so that's a very sensitive and complicated issue.

- Kevin Galligan - Following on marks comments and it relates in another area I do consulting with energy and energy efficiency because of the state climates policy, environmental justice is the point mark is referring too and it really does get to the principle of how it is, whether it be climate, carbon saving power plants, sewer infrastructure, are we burdening one group of individuals more than another when everyone is benefitting. That is the topic, it is a really well researched one that has a lot of foundation in reason statues, and I would also add we did not have that terminology in our lingo when we were constructing phase 1 but now we have the benefits of more information, more resources in terms of subsidies, so very appropriate to put this all on the table.
- Alan McLennen - It was an interesting twist in the procedure that we talked about, we don't formally have a policy yet, we have a procedure that the Selectmen decided in February 2018 in order to get this before the town. Let's say we proceed with current procedure, and someone makes a decision that those people downtown are going to pay for their collection system, ok they pay it and they pay a betterment and so forth. Virtually all future extensions go through the downtown system, so should the people downtown start charging these extensions for passing their flow through because they paid for it. It's sort of an interesting twist to the way we are doing it.
- John Meyer - Thank you for your summary. I personally have been concerned about having people with pumps having to pay additional, I think this should be part of what the town is paying for and typically the town will have to maintain these pumps and these people do not have the expertise in doing that whereas the town would and perhaps the operator would, and I just hope we can reconsider policy. Frankly the whole meetinghouse pond, the reason for the problem with the cost is the lack of density. The reason we started downtown was because of density and problems downtown, who wants to go to a restaurant and smell sewer there which is what's been going on. With the density, the cost per dwelling, cost per commercial operation is less than it would be say at meetinghouse pond and any further spreading out we are going to have an even larger problem with cost. I think it should be that people do not have to pay for this.
 - Alan McLennen - I just note that I believe that the major extension that took place in Falmouth 5 years ago a lot of grinder pumps in that extension and the town started off with everybody having to pay for their own and eventually the town picked up the cost.
 - John Meyer - That may be what needs to happen here.
- Alan McLennen - One other piece is finance and this is speculation and I want to emphasize as a planner and not a CPA, but when you float a bond issues at 0% with let's say equal payment over 30 years. 45 million over 30 years is 1.5 a year and based on what we're receiving based on short term rental and hotel motel we might be in that range. So on the 30 years of that bond issue there is no increase in the annual payment because it is the 0 interest level. However, if you're using a dedicated stabilization fund which is based on the economy, housing, and the like, you can probably add an inflation factor to that number over 30 years if the business stays the same. So you start off with 1.5 million you can pay for the first year, the next year if economy is working well you're going to have 2 or 3% even 6% inflation this year but let's use 2 or 3 then you're going to have a million sixty thousand the next year so the amount of money in the stabilization fund will be used for debt service is going to increase and not be fixed for 30 years so that's just thoughts on financing.
- Herb Kinney - It's obviously a very complicated issue in there is a lot of inputs, money we didn't think we would be getting now that we may be getting, inflation etc etc. a couple of years ago when we were first talking about thew collection system and betterment fees we made the point that the additions to the systems are built on that which is already built which goes to the point you made Alan that these people have already paid for part of the system that other people are going to be using and I think as we move forward one concept that we should keep in mind is trying to make the additional cost of hookup in the new sections that come in comparable to an extent to what people have already paid to connect if that makes sense. I don't think we will ever be, and I hate the word equitable, I don't know if everything will ever be equalized but I think that that should be a goal to make the incoming betterments reasonable and fair in comparison to what people have paid before, a very complex issue we need a lot more data to deal with it and I'm glad we're dealing

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with because this is a really important thing to have as soon as possible because we are making decisions to spend a lot of money down the road.

- o Mark Berson - This is a question for Kevin, are you familiar with any AI models that can help us? Any AI/machine learning models that can help us because what we are talking is almost an infinite number of variables.
 - Kevin Galligan - I am aware of a number of models that are used in energy industry and I've used a couple myself, but I don't think you have that many variables to be honest with you. I do think these can all be mapped and analyzed I think we actually have in our finance director an incredible resource that will assist in running these analyses but as Alan pointed out we have some knowns and unknowns, but I think the decision will come down to if we look at this truly as a comprehensive multiyear plan as opposed to a one by one phase. That is really when you start to look at things holistically and as herb said more equitably.
- o Alan McLennen - I would add that John make a subtle point that the density decreases as we expand the system and look at crystal lake and crystal pilgrim I just want to remind that the reports done by the committee said if you sewer 30 housing units in the two ponds, would solve the phosphorus problem on those ponds. AECOM is now looking at that and the CWMP looked at everything earlier and we don't just connect 30 properties to that system because you're going by 60 and the piping system gets longer and longer because the lots are bigger and under the existing betterment discussion makes it worse and worse as you get further from downtown so this is something that needs a lot of thought and I've suggested to some that we need someone to look at our CWMP and take a birds eye view of the whole thing for the next 20-30 years. As we begin to pay off debt we can add new debt. The capital plan needs to be refined, so let's figure out how we add what/when to be most cost effective.
- o John Meyer - I see this as a learning problem and as we go along we will be learning more and once we get the system going we will learn even more. We need to remember as we get further out the density reduces and the cost increases proportionally.
- o Dick Hartmann - I think we mentioned it, the notion of having a person or consultant look at is, has there been any movement on that?
- o Alan McLennen - I think people are moving ahead on that, the select board will be dealing with that soon. Some people think it might be too early to hire a staff person, it may be better to hire someone whose worked in this business for a long time to look at what we're doing and say this is the way you want to think about the way you're doing things. I have a personal concern that if you bring in someone at a staff level, they will get focused on the day to day. When we've finished meetinghouse pond we've done about 50%. Downtown is easy, meetinghouse is not too bad, but when you move further out when you do it, why do you do it, and how do you do it. All these pieces need to be brought together at a little higher level than a staff person on the day-to-day basis but the select board will make that decision.

Meeting Adjourn by unanimous consent: 2:41 pm. Moved by John Meyer, seconded by Dick Hartmann.