As Amended: 11/10/2021

Waterville Estates District Commission
Water and Roads Committee Meeting Minutes
October 28, 2021

The meeting was called to order at 3:05 PM by Chairman Herlihy. The meeting was held at Waterville Estates Community Center, 562 Winterbrook Rd. Campton NH 03223.

Members present: John Herlihy, Stan Bujalski, Jaime Oldmixon, Terry Bennett, Maureen Patti, John Scruton (ZOOM), NIck Sceggell (ZOOM), Kyle McCannan (ZOOM), Anita, a Resident (ZOOM), and Steve Bart (available short time to answer questions)

Approval of Minutes as amended of September 22, 2021.
Motion by: Herlihy, second by Bujalski to accept the minutes as amended. Motion carried. Ayes: Bennett Bujalski, Herlihy, Oldmixon. Nays: None.

Approval of the Minutes of September 27,2021.
Motion by Herlihy, seconded by Oldmixon. Motion carried. Ayes: Bennett Bujalski Herlihy Oldmixon. Nays: None.

Meeting had about 14 minutes of information exchange between Nick Sceggell, John Scruton, and Steve Bart prior to meeting being called to order. This information related to depth measurement distances to gravel floor of well #1 and well #2. Recent maintenance has replaced one well pump and check valve. The second well pump maintenance/change has required WEVD to dig down to well casing to remove pump. It was frozen in place. A pipe has broken when attempting to remove the frozen pump.

Item 1: Current Repair Needs

Upon calling the meeting to order, Mr. Herlihy spoke about the need of an Asset management document designed to track the life of each asset in the water system. This document would identify the asset, track its condition, track its maintenance schedule, repair or replacement. A copy of the information should be readily available on the site of the asset and in the administration offices. This asset report should be tied to the Master Plan/ Asset Management plan which will be a long term planning and budgeting document.

The recent incident (maintenance, and change out of the pumps) at the Doe Run site has been difficult for three reasons: 1. Tree growth and lack of trimming have prevented large equipment needed to access the site. 2. Fence placement restricted access. 3. The maintenance road condition would not allow equipment to access the site.

Steve indicated gravel will be added to the road. It will be graded next week Tuesday or Wednesday. The road will be crowned for drainage. The fence and poles have been removed, so after the road repair Lakes Region Water can access the site. Tree Trimming has been completed.

Mr. Sceggell noted construction of this well is unique. The well schematic shows a layer of concrete, sand, stone and then a bentonite seal. Mr Sceggell stated this schematic must be replaced to maintain integrity of the well. He is not sure how familiar Lakes Region Water is with this type of well construction. Steve Bart indicates that they are familiar. John Herlihy asked if the pump should be replaced in-kind. Nick indicated he would, as we don't have enough information on how the transducers are working and the water draw down in the wells related to the pumps. Therefore he recommends an in-kind replacement.

The repair excavation is planned to begin in the second week in November. (Well #1)

Mr Sceggell asked if we have noticed both pumps running at the same time. Mr. Bart indicated they are now set so only one turns on at a time. When the second one runs, we have gained 23 more gallons a minute with the new pump.

Mr Bujalski asked what is the extent of the excavation of the well #1? Excavation will be to the casing of the pump avoiding the well screening. schematic drawings show the well screening as a horizontal placement to the pumps. John Herlihy indicated that the plan is to cut the casing where break occurred, at threaded fitting, weld on a new fitting to lift the pump. Discussion ensued as to possible repair options. Mr Sceggell would like to have the DuBois and King Hydrogeologist talk with Lakes Region about the repair plan of the well.

Mr Bujalski would like to see an excavation plan to shore up the hole. Mr Scruton noted the possible need of a trench box.

Ms Bennett asked what the possibility of pursuit of an additional well site at Snowood location. Mr Scruton indicated this is a lengthy permitting process.

The Ski Bowl transfer/ holding tank was discussed. Aeration was done here. This tank is in replacement condition. This tanks is not the water supply tank. The Ski Bowl station needs along term plan to rebuild. Mr Oldmixon noted that PH level was the treatment issue for aeration in past use of the the holding tank. The caustic spill damage on the floor in the current location needs attention.

Mr Herlihy suggests a separate location is needed to store caustic materials. He suggests Doe Run as a possible site. Mr Sceggell stated this may be worthy of consideration; treat at the source. It makes sense, additionally the Ski Bowl is difficult to access in the winter. Mr Sceggell also thinks this may be appropriate option at a new source if an additional new source is considered. It may be more prudent to limp along until new source is permitted. He suggests as does the DES that WEVD is at risk having only one location providing a source of water.

Mr Oldmixon indicated historically treatment at Liberty Lane was problematic. The amount amount of pressure coming from the wells "burned" up the treatment pumps.

Item 2: Water Pressure Concerns Taylor/ Weetamoo Trail Area

Mr Herlihy made the Water Committee aware of a current issue with Water pressure. A new home being built has only 10 pounds of water pressure. It is thought that the elevation is causing the lack or pressure. Mr. Scruton indicated that solutions were being looked at. The water main that serves the home is the SunsetTank. Currently, it seems two options may exist. One option is to put a booster inside of the home. This option would require access to the home for maintenance purposes. The second option would be to place a booster at Sunset Tank. However there is no room for the booster pump inside the Summit location. Lakes Region Water has suggested these two options. The Summit booster pump would solve the

pressure problems for a larger area. The System booster seems more reasonable. This is a WEVD responsibility to provide pressure to meet a State DES standard.

Mr Sceggell stated it looks like Summit is fed by gravity from Sunset. There is a booster zone from Sunset Station. He will evaluate the system for an option. Mr Sceggell sees this work effort as part of the Hydraulic master plan modeling for the system. He will look at high point information to determine what can be served at required pressure and what can not. This will give help find an appropriate long term solution to resolve the water pressures in this area of the system. Mr. Sceggell will work with Steve Bart.

Item 3: Snow Making Update

Mr Scruton stated he is not sure that we are going to be able to get the paperwork sorted out with the State related to using the water system for snowmaking. He has been emailing back and forth with DES on this issue. WEVD must secure permit to use the public water system for this use. DES needs to know design built out, in detail, of any modification to the current permitted use. It must be submitted and approved prior to snow being made. WVED is obligated to meet the state regulations for the use of the water system for this purpose thru a new permit. The State suggests the District hire a professional to develop a document describing snow making use. It will provide them with information determining the permitting required. Mr Scruton indicated we need a document that DES can respond too. A verbal abstract description will not meet the requirement. Modifications will have to be made on drinking water side permit; as well as on the snow making side. NO SNOW MAKING can be done this year without providing the information to the DES and gaining a permit. The State just wants to know the impact on the water system in an effort to protect the integrity of the public system. Mr. Oldmixon noted there is a meter at the Ski Lodge. WEVD has only a single water source. It must be proven that snow making using the public water system source can be done without demand/ pressure impact on customers.

Item 4: Ski Bowl Rusty Pipes Bypass:

Mr Sceggell indicated a proposal was submitted for a bypass at the transfer tank. He is working thru this. Both High and low pressure pipes are compromised. If the transfer tank fails a replacement will have to be done. Failure replacement could be in-kind and would not require a permit. The bypass plan provides a safe option until a "bigger"picture plan is designed thru master plan process.

Item 5: Asset Management Plan Progress Report

The verification on some of the mapping has happened in the field. The map is generally accurate, not "spot on" accurate. The map does not indicate "clusters" accurately. We don't know if the mapping represents one line or more to multiple "cluster" residences. The only way to find out is to dig it up and check. That will happen at a time of need in the future. The mapping component will quantify assets, but not necessary locate the asset accurately.

Mr Sceggell suggests possible outreach to the homeowner to locate their own curb stops/ water shutoff. Outreach may save the cost to identify them. Mr Bujalski suggests WEVD purchase a good quality metal detector for the water department use. This would help with identification needs and save hiring of a professional for this purpose. The tool would be useful as identification needs come up.

Steve Bart has passed the first level of certification for a water operator. He is not yet certified for the WEVD system size. It is anticipated that he will finish the required certification in January of 2022.

Item 6: Water Meters Request for Quotes Discussion

A request for bids will go to the three major providers of water meters

Considerations in the bid to be defined will be
Radio Read vs Cellular Read
Moving Parts vs Ultra Sonic Parts
Metal material vs plastic material
Requirements for metering software
Financial software needs

The Committee has received survey information that the WEVD is covered by a cellular phone platform which would allow a cellular read. This platform is a business platform and not related to home cell phone platforms or use.

General thoughts:
Cellular
UltraSonic
Cloud Storage
Larger Meters available
K Horn
Meter Horn
Billing Software important with compatibility to what financial software

Item 7: Water Billing Questions

A. Waterville Reality

Mr Oldmixon was approached because there is no commercial water rate for Winterbrook Reality. No Commercial rate was established in the ordinance rate structure.

Motion by Herlihy, Seconded by Oldmixon: I move Waterville Reality will be charged a "one bedroom rate" with the understanding that they will ultimately move to a meter as early as possible.

Motion carried. Ayes: Bennett, Bujalski, Herlihy, Oldmixon Nays: None

B. Maintenance Shed:

Motion by Bennett, seconded by Herlihy to charge the Maintenance shed a "one bedroom rate: with the understanding that it will be moved to a meter as soon as possible.

Motion carried. Ayes: Bennett, Bujalski, Herlihy, Oldmixon Nays: None

C. Community Center and Ski Lodge

Discussion revolved around determine billing of the two large users retrospectively upon the installation of a water meters intake for second half billing.

Motion by John Herlihy, seconded by Bujalski:

The Ski lodge and the Community Recreation Center enter will be billed for water retrospectively, annually, at time of the second billing in May.

Motion Carried. Ayes: Bennett, Bujalski, Herlihy, Oldmixon Nays: None.

Item 8: Signage Around Well Heads Hiking Trail.

The hiking trail is determined to be a compatible recreational use within 400 feet of the Well Head. The Committee recommends placement of signage related safe habits in a water safety zone. "Please protect our source water by keeping it clean. "

Other:

The Committee will post a work session to address Asset Management Level of Service Statement and Quote Specs for Meters.

Herlihy brought up need to begin coordination of Road reconstruction projects and water line work, maintenance and repair. Need to evaluate work to save costs when opening projects for water and roads.

Radon Testing: Mr Sceggell see the need to do some additional Radon testing. John Scruton authorized Radon Testing to move forward.

Adjournment:

Motion by Herlihy, seconded by Bujalski to adjourn at 4:53 pm.
Motion Carried. Ayes: Bennett, Buljaski, Herlihy, Oldmixon Nays: None.

Respectfully Submitted by Terry Bennett, Recording Secretary for this meeting.

Signature: Terry L. Bennett

Signature of the Committee Chairperson: _____

Date Approved: 11/10/2021 as amended.

Approved on: 11/10/21
Committee/Board Name: WATER & ROADS
Committee Chair Initials:
Rec'd by WEVD Clerk on:
WEVD Clerk Initials: