

Memo



56 Main Street, Suite 200
Springfield, VT 05156
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To: All Attendees, Sharon Crossman
From: Christina Haskins, PE
Date: May 30, 2020
Re: Community Wastewater Study – 30% Review Meeting Minutes

The following are the minutes for the May 21, 2020 meeting held via video conference at 4:30 PM for the above referenced project.

The following individuals attended:

<u>Individual</u>	<u>Representing</u>
Shane O'Keefe	Town of Londonderry
Gail Mann	Town of Londonderry
Larry Gubb	Town of Londonderry
Lynnette Claudon	Vermont Water Investment Division
Chrissy Haskins	Dufresne Group

1. Chrissy reviewed the draft existing conditions report, noting that there were some areas where additional information or evaluation is needed. These areas were highlighted in the draft existing conditions report and include finalizing figures and charts, analysis of replacement or expansion capability, and input from Windham Regional Commission on the economic growth rate (for flow projections).
2. Chrissy discussed that the water quality testing had not yet been completed due to COVID-19. Chrissy will contact Sille at the Department of Health to inquire about the potential schedule of the water quality testing.
3. Gail noted that there are a significant number of second homes and questioned what the percentage of second homes are in the villages. Chrissy noted that all residential properties were estimated for flow based on full-time residential use (per number of bedrooms). Therefore, for the purposes of this study, the number of second homes is irrelevant.
4. Lynnette asked if the illicit discharge study was referenced in the report. Shane discussed the one grey water connection to the storm drain, which is being corrected. Shane provided the IDDE study by Stone Environmental to Chrissy during the meeting. Chrissy will reference the information in the Stone study in the report.
5. Chrissy noted that there were no reported failed systems. There were some systems reported as having maintenance or repairs performed due to potential

failures. Lynnette recommended documenting historically failed systems, even if they have been repaired, as this can help with future funding opportunities. The information can be presented generally, without identifying specific properties, but documentation of the details should be available upon request.

6. Lynnette recommended contacting the Regional Office to request a system query for failed systems. Chrissy will contact the Springfield Regional Office.
7. Gail asked how to get water/wastewater maintenance/testing recommendations out to the public. Chrissy noted that education is critical, and the EPA has educational materials that the Town could use. Lynnette added that RCAP is a good resource as well, specifically noting a NH brochure.
8. Lynnette briefly discussed the NBRC grant program and provided guidance on how to be more competitive. The application should include jobs related figures (economic impacts), flow projections (best land uses?), and estimates of project related jobs/housing based on population projection. There is economic data available that is useful in developing the application. Lynnette also noted that as the project is developed, it should be reported to the State and named in the planning document.
9. Lynnette also provided recommendations to add to the report to increase the potential for grant funding, including:
 - a. Swimming holes
 - b. Public health risks
 - c. Possible face to face meetings with properties on the river – this may provide more information than other data collection methods regarding potentially failed systems.
10. Chrissy noted that the next step would be to have a brainstorming meeting on alternative wastewater system locations. Shane noted that the Town and Planning Commission were busy with the zoning bylaw update currently, so the meeting will need to be scheduled around this work. Shane and Sharon will propose a meeting time. Lynnette suggested inviting the regional engineer to this meeting.
11. Chrissy discussed the 2nd public meeting to present existing conditions evaluation and needs. Due to COVID-19, public meetings are not allowed. Chrissy suggested posting a PowerPoint presentation online with a page where the public could submit comments/questions. Chrissy also suggested contacting GNAT for a video interview that could also be posted for public viewing.

Memo



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To: All Attendees
From: Christina Haskins, PE
Date: December 2, 2020
Re: Community Wastewater Study – Committee Meeting Minutes (REVISED)

The following are the minutes for the November 9, 2020 meeting held via video conference at 1:00 PM for the above referenced project.

The following individuals attended:

<u>Individual</u>	<u>Representing</u>
Shane O’Keefe	Town of Londonderry
Sharon Crossman	Town of Londonderry
Gail Mann	Town of Londonderry
Larry Gubb	Town of Londonderry
Lynnette Claudon	Vermont Water Investment Division
Chrissy Haskins	Dufresne Group

1. Chrissy reviewed the results of the last committee meeting, which focused on land options for the North Village. The committee discussed development of the North Village alternatives and then options for the South Village.
2. Chrissy informed Lynnette that the Springfield Regional Office did not respond to the request for a failed systems query. Lynnette facilitate contact with someone else for this query.
3. Chrissy noted that the water quality testing has not yet been completed as the labs are busy with COVID testing. DG could do some of the testing through Endyne, but the State-funded testing is delayed for the foreseeable future. It was decided that all water quality testing will wait until the State testing is available.

North Village:

4. Sharon asked if there was an estimate of the flows from the entire North Village study area. Chrissy responded that DG had estimated flows for each study area based on permit data, land records and assumptions (where no data was available). The estimated daily flow for the North Village study area is 55,000 gpd. Chrissy noted that this includes properties that may not need to be served and suggested reviewing the study area to identify priority properties that have a known deficiency or are in the flood plain.
5. Lynnette commented that there may be some funding available through the Flood Hazard Mitigation program from FEMA (contact: Stephanie Smith) for a project to

relocate septic systems within the flood plain to new systems (outside the flood plain). The funding only covers new systems to replace the systems in the flood plain (not extra capacity to serve other properties). Lynnette noted that it would be cleanest to focus a project on flood plain replacement only. Lynnette added that the septic systems need to be in the Flood Hazard Mitigation plan as approved by FEMA. There also needs to be a disaster for money to be available.

6. There was a discussion on regional program versus indirect discharge. Chrissy will review the maximum size that can fit in the Pingree Park area, regardless of permitting program.
7. Shane noted that the Park Board will need to be brought into this discussion soon. One of the Park Board members knows about this concept and had some concerns about limiting land use. Chrissy noted that the intent would be to maintain the existing land use by utilizing an in-ground system (versus a mound system). Test pits need to be completed before this can be confirmed. Chrissy will prepare a figure showing a potential footprint of a septic system and a description of the concept.
8. The committee discussed the need for a pump station for the Pingree Park alternative. Lynnette noted that the pump station cannot be located within the flood plain. Sharon asked what size of an area is needed and what is the best location. Chrissy explained that an in-ground pump station would consist of a below grade precast concrete wet well with submersible pumps. The size of the wet well will depend on the amount of flow. The only above grade components are a hatch on the wet well and a control panel. The control panels are weather proof, so they are fairly large (possibly in the ballpark of 5' tall by 3' wide by 18" deep). The pump station would need to be located at a low area, which would be just east of the river. Another option is effluent pumping (STEP system), where each property (or combination of a few properties) has its own septic tank and small pump station.
9. There was a discussion about whether the leach field could have an increased capacity in the same footprint with a STEP system (effluent only). The 6,500 gpd limit for the regional program does not change. Lynnette added that there are different cutoffs in the Indirect Discharge program, depending on types of flow and treatments.
10. Sharon noted that there is another project ongoing to consider economic development opportunities on North Main Street. It would be helpful to have a wastewater concept for North Main Street.
11. Shane asked what the next step was in developing the Pingree Park alternative. Chrissy indicated that test pits were necessary to know what type of system can be placed there and to nail down a more realistic footprint. Chrissy noted that before test pits could be performed under the grant, an archaeological review was necessary. Lynnette added that once a quote was received from a consultant, the grant agreement could be amended to include this work.
12. The committee agreed that the next steps are to prioritize properties based on need and further develop the two North Village alternatives based on the prioritization.
13. Lynnette added that there are small steps, or management alternatives, that can be taken to improve the wastewater situation that are better than the "do nothing" option. Grafton developed a Pump Out program to encourage regular septic tank pumping, which extends the life of a leach field.

South Village:

14. There was a discussion about the urine diversion program through Rich Earth. Londonderry did not opt into the pilot program. Westminster West and West Dummerston joined the pilot program. The study is available on the website. This focuses on urine diversion and composting toilets to give septic systems a break. It was noted that this option may not be for everyone. Lynnette added that the program has received approval through the regional alternatives program for demonstration projects.
15. The committee reviewed land options for wastewater systems and identified the following possibilities:
 - a. Parcel 101008 on Main Street – Soils IIc/IIId
 - b. Parcel 102006 – 27 acres north of village
 - c. Parcel 101111 on Middletown Road – 1/3 acre, Soils IIc
16. Sharon noted that the Town Hall (139 Middletown Road) renovation increased use and questioned what the needs are for this building. Sharon will provide Chrissy with some information on the uses.
17. It was questioned if Parcel 101203.100 on Crescent St replaced their septic system when they rebuilt (in the past year or two). Would it be possible to increase the size of this system to serve the Crescent St loop? Chrissy will review the permitting database.
18. It was discussed that smaller cluster systems would likely work better in the South Village. The Middletown/Crescent area would be one cluster, then the west end of Main Street would be a second.
19. There was a discussion on need and options for the east end of Main Street (within the study area). Chrissy will review the data for this area and the replacement capacity of each parcel to determine need. There isn't much available space due to topography to the north, the river to the south and density of housing. Lynnette noted that spray irrigation could be done in forested land, although there is a slope requirement. Parcel 35001 on Thompsonburg Rd extends north into the forested hillside and may be an option for a spray irrigation area.
20. Chrissy noted that the study area heading south on Route 100 and the area between the two Villages are mostly larger parcels and wastewater needs likely would be focused on economic development. It is likely that development on these larger parcels could incorporate adequate wastewater disposal systems. It was agreed that these are lower priority areas. Chrissy will include a high-level discussion in the report, but not develop detailed alternatives for these areas.
21. The South Village alternatives will focus on three areas: Main St village area, Crescent St/Middletown Rd village area and east on Main Street.
22. Chrissy discussed that there was supposed to be a public meeting in April to present the results of the existing conditions evaluation. This has not been done due to COVID. Chrissy noted that at this time of year, the meeting would need to be in early December or early January. Sharon noted that the Town had a few other public meetings coming up in December, so it would be best to do it in January.
23. There was a discussion about the funding deadline and schedule. Chrissy will develop a revised schedule and Lynnette can extend the funding agreement schedule based on that.

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To: All Attendees, Sharon Crossman
From: Christina Haskins, PE
Date: March 9, 2021
Re: Community Wastewater Study – Committee Meeting Minutes (REVISED)

The following are the minutes for the February 4, 2021 meeting held via video conference at 3:30 PM for the above referenced project.

The following individuals attended:

<u>Individual</u>	<u>Representing</u>
Shane O’Keefe	Town of Londonderry
Gail Mann	Town of Londonderry
Larry Gubb	Town of Londonderry
Tom Cavanaugh	Town of Londonderry
Lynnette Claudon	Vermont Water Investment Division
Chrissy Haskins	Dufresne Group

1. It was discussed that Pingree Park is no longer a viable option due to concerns from the Parks Board regarding land use impacts and aesthetics. Chrissy summarized the remaining properties identified as potential locations for wastewater disposal, as follows:
 - a. South Village – Parcel 101009 on Main Street (3 acre parcel) – For Sale
 - i. Soil: generally fine sandy loam
 - ii. Soil Type IIc – eastern portion of parcel, higher elevation, potential shallow bedrock, slopes 8-15%
 - iii. Soil Type IIIe – western portion of parcel, lower elevation, potential shallow bedrock and groundwater, slopes 15-25%
 - iv. It was discussed that the cellar hole is on the National Historic Register, which may be problematic with the archeological review.
 - b. South Village – Parcel 101008 on Main St – (20 acres) – Privately Owned
 - i. Soil Type IIc – same as Naftali above
 - c. North Village – Parcel 102006 on North Main Street (27 acre parcel) – Privately Owned
 - i. House and large field north of house, field extends east behind Thrifty Attic
 - d. North Village – Town-owned land off Middletown Road
 - i. Undeveloped parcel to the south of Larry’s property.
 - ii. Approximately 0.8 acre of usable land due to soil types and topography.

- iii. Soil Type IIh – potential shallow groundwater, slopes 15-25%
2. Chrissy noted that Sharon had requested information on Parcel 102026 on VT Routes 11 and 100 in the North Village, which is for sale and Parcel 101022 on Main St in the South Village. Chrissy summarized the feasibility as follows:
- a. Parcel 102026(0.33 acres):
 - i. Soil Type Ic – good soils
 - ii. ANR Natural Resource Atlas shows that parcel is mostly within the floodplain. It was noted that the parcel is being marketed as not being in the floodplain. Chrissy suggested further investigation of this claim as the mapping shows different.
 - iii. Potential for contamination (former gas station)
 - b. Parcel 101022 (0.5 acre parcel):
 - i. Soil Types IIc and IIe (same as Naftali above)
 - ii. Not in the floodplain
 - iii. Once setbacks are considered, this may be too small of a site.
3. There was a discussion on the feasibility of a wastewater system in the floodplain. Lynnette commented that wastewater systems are not prohibited in floodplains under the Wastewater Rule or Indirect Discharge Rule; however, federal funding cannot be used to construct a system in the floodplain.
4. Chrissy reviewed other potential properties that could be investigated in the North Village, including Parcels 102027 and 102027.100 on High Street. These were identified solely based on size of undeveloped areas. The committee did not request further evaluation of either property.
5. The previous evaluation of Prouty Park was discussed. There is potentially a lot of ledge along Route 100. The previous evaluation discussed this parcel as a possible site for a Wastewater Treatment Facility (not a soil-based system). Lynnette discussed that a new WWTF may be difficult to permit as the Town would need to prove there are no inground options available (which are more cost effective) and evaluate the capacity of the West River to set the allowable pollutant loading and therefore WWTF capacity. Lynnette added that soil-based systems are more sustainable.
6. It was questioned if the Marketplace ever replaced their sewer. Chrissy will review permit records. UPDATE: There has been no permit activity since 2013 and there was no change to the septic system at that time.
7. Chrissy note that there were limited options in the North Village due to the floodplain, which typically extends to the north side of North Main Street. Lynnette suggested that expanded use of existing systems outside of the floodplain could be an alternative. If pretreatment is added to an existing system, the capacity can be increased.
8. The mapping in the South Village was reviewed and the committee identified an undeveloped parcel behind the Town Office. This parcel is owned by the South Londonderry Library Association and is approximately 20 acres in size. The lower elevation portion of the property has a Soil Type of IIc and the higher elevation portion has a Soil Type of Ic. The slope increases to the east. It was noted that there is a walking path on this parcel. Larry will provide a map. There was a discussion on beginning communications with the Library immediately to determine feasibility. Chrissy will download LIDAR contours and look at possible footprints.

9. Lynnette suggested that spray disposal could be an option, as it can be done in forested areas. Chrissy asked if PFAS testing would be required for spray disposal. Shane noted that the Town wants to avoid any PFAS issues, so spray disposal would not be an option.
10. There was a discussion on the Parks Board comments regarding a septic system at Pingree Park and preparing some information to present to the Library to minimize concerns. Chrissy asked Lynnette if she had any photos of on-site systems that have a nicer aesthetic. The committee also discussed that there were minimal health risks to recreational users walking over a septic system.
11. The committee agreed to pursue concept layouts of the Town land in the North Village and the Library land in the South Village. Chrissy will prepare figures and estimates of wastewater disposal capacity for each location.
12. The committee discussed setting a date for a public meeting (#2), but decided to wait until the next meeting.

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To: All Attendees
From: Christina Haskins, PE
Date: May 17, 2021
Re: Community Wastewater Study – Committee Meeting Minutes

The following are the minutes for the April 7, 2021 meeting held via video conference at 10:00 AM for the above referenced project.

The following individuals attended:

<u>Individual</u>	<u>Representing</u>
Shane O'Keefe	Town of Londonderry
Gail Mann	Town of Londonderry
Larry Gubb	Town of Londonderry
Sharon Crossman	Town of Londonderry
Lynnette Claudon	Vermont Water Investment Division
Chrissy Haskins	Dufresne Group

1. Gail sent an email previously with some information from the One Londonderry effort to encourage coordination of wastewater planning with village planning (north village). Gail noted that the future apartments are based on 2 bedrooms each.
2. There was a discussion on prioritization in the North village. The identified site on Town land can accommodate a system sized for 6500 gpd. The need in the North village is much larger, so properties will need to be prioritized. Chrissy noted that the prioritization considerations include locations in the flood plain, small size properties, failed systems, and commercial properties.
3. The study will summarize what is needed in the North village and what has been identified, which will allow for future capacity planning. Chrissy discussed options such as creating shared systems, utilizing existing systems on the north side of North Main Street and adding pretreatment to increase capacity. Lynnette noted that the study should recommend multiple options with a phased approach, as this will allow for more funding opportunities. Lynnette also suggested separating flood plain properties so that flood specific funding can be used for improvements for those properties. This funding can only be applied to projects that solely focus on resolving wastewater systems in the flood plain.
4. There was a discussion on how to determine if properties want to connect. Chrissy noted that this is an important part of planning as this information is necessary to determine the cost per user. A survey could be used to identify interested property owners. Some property owners may need to be educated on the need related to their property.

5. It was questioned if the Platt's septic system needed replacement, as it is on the island. The Garden property has at least 3 apartments currently, maybe 4.
6. There was discussion on the identified opportunity in the North village. The mound system concept allows for 5000 gpd, although there may be room to increase to 6500 gpd by continuing further up the hill or by pretreating. The trenches would be stepped down the hill. It would not be possible to increase above 6500 gpd as that would require dual alternating fields and there is insufficient space for a second field.
7. The South village identified opportunity on the library property was discussed. In the southern corner of the property, there is sufficient space for approximately 10,000 gpd; however, this does not account for dual alternating fields. 10,000 gpd would require double the footprint or pretreatment. Without increasing the footprint or adding pretreatment, a 6500 gpd could easily be accommodated.
8. Gail will discuss this option with her husband, who is on the library board and request to be scheduled on their next agenda. Chrissy will add the trail to the figure for the library presentation. There was discussion on getting photos of local examples of mound systems.
9. The South village study area needs to be prioritized based on need. There was a discussion on properties that have designated replacement areas. Chrissy will compile a list.
10. Lynnette had to leave the meeting prior to discussing the media opportunity, so this will be discussed at a future meeting.
11. The water quality testing was discussed. Chrissy noted that the State's testing program is active again; however, the people that previously performed the testing are not able to do it at this time. Chrissy noted that some towns are having property owners collect samples if they were comfortable with it. Shane suggested asking the health officer if he would be interested in performing the sampling, noting that a single person taking samples would be more consistent. It was also discussed that some property owners may not be interested right now due to COVID-19. Chrissy will send a list of interested property owners to Shane and he will follow up on interest.
12. There was a brief discussion about the public meeting schedule. There may be enough information/evaluation to hold the meeting in late May.

Memo



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To: All Attendees, Sharon Crossman
From: Christina Haskins, PE
Date: May 4, 2021
Re: Community Wastewater Study – Committee Meeting Minutes (REVISED)

The following are the minutes for the May 3, 2021 meeting held via video conference at 3:00 PM for the above referenced project.

The following individuals attended:

<u>Individual</u>	<u>Representing</u>
Shane O’Keefe	Town of Londonderry
Sharon Crossman	Town of Londonderry
Gail Mann	Town of Londonderry
Larry Gubb	Town of Londonderry
Tom Cavanaugh	Town of Londonderry
Jim Mann	Library Board
Lynnette Claudon	Vermont Water Investment Division
Chrissy Haskins	Dufresne Group

1. Chrissy missed the first 15 minutes of the meeting due to internet issues. The committee discussed the library land option with Jim.
 - a. There was discussion on the size of the system and what it would look like to serve the entire village.
 - b. The property ownership options were discussed. Chrissy and Lynnette noted that the ownership could be through land acquisition (subdivision) or through easement.
 - c. The library wants to review the deed and ensure that this use is allowed on the property; however, they do not have a copy of their deed. Tom will research and send a copy.
 - d. Jim asked where the pump station would be located, noting limited space on Main Street. Chrissy discussed that the pump station is ideally located at the low point and could be a submersible pump station (pumps inside a buried concrete structure), which has minimal space requirements. The only above grade component is the control panel.
 - e. Jim asked that the Town provide a description of the area desired and the type of acquisition preferred.
2. Sharon had sent an email to Chrissy suggesting other potential sites:
 - a. Parcel 101009 on Main Street is potentially under contract with neighbor, but neighbor is interested in septic use. The eastern portion of the property has

- approximately $\frac{3}{4}$ acre of Ilc soils (moderately suited) and $\frac{1}{4}$ - $\frac{1}{3}$ acre of Ib soil (well suited). The slope looks good. Access is more challenging than library property.
- b. Parcel 101017 is adjacent to Parcel 101009 on Main Street and has approximately $\frac{1}{4}$ - $\frac{1}{3}$ acre of Ib soils.
 - c. Parcel 101012 is too small and has Ille soils.
 - d. Parcel 101014 on Main Street is adjacent to Parcels 101009 and 101012 and has approximately 0.1 acre of Ilc and 0.1 acre of Ib soils.
 - e. If two or three properties noted above all contributed, there would be sufficient space for a system.
 - f. Parcel 101018 – possibility for a pump station location.
3. It was questioned if the study should consider an evaluation of a water system. Lynnette noted that it would be fundable under the Planning Advance as long as the water system was proposed to resolve wastewater issues.
 4. The water quality testing was discussed. Chrissy will send the list to Shane of interested property owners and Shane will follow up with the Health Officer. Tom noted that there may be the possibility of assistance from a Stratton water operator for the testing. Chrissy noted that the actual testing will be performed by Endyne (for both the State funded testing and DG testing), but that a person was needed to collect samples.
 5. Lynnette discussed new funding opportunities:
 - a. The State has requested to amend the CWSRF Intended Use Plan to provide 100% subsidy for planning (PER) as of July 1, up to \$125,000 per project per year.
 - b. There is currently 100% subsidy for final design in the Intended Use Plan, up to \$100,000 per project per year.
 - c. The ARPA money needs to be used in 3 years. Final design is typically estimated at 1 year, but property acquisition takes time.
 - d. There is no payback requirement on the Planning Advance if there is a failed system. Chrissy noted that there are previously failed systems in the study area, but these have all been resolved.
 6. Next Steps:
 - a. Lynnette suggested amending the Planning Advance for the archeological study (required for the test pits under the funding).
 - b. Lynnette offered two suggestions for continuing the planning:
 - i. Amend the existing funding and engineering contract to evaluate more detailed options beyond what is currently identified.
 - ii. Finish the current project and apply for additional funding for a PER Addendum to evaluate more detailed options beyond what is currently identified.
 7. Parcel 102027.100 on High Street was brought up as a possibility. There is an existing septic system there but may be space for expansion or a new separate system. The owner has interest. It was also noted that the existing system is a mound system but the soils are mapped as well suited. Chrissy will pull the drawings from the state database and check the test pit logs.

Memo



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To: All Attendees, Lynnette Claudon
From: Christina Haskins, PE
Date: October 13, 2021
Re: Community Wastewater Study – Committee Meeting Minutes (REVISED)

The following are the minutes for the October 4, 2021 meeting held at the Londonderry Town Office at 10:00 AM for the above referenced project.

The following individuals attended:

<u>Individual</u>	<u>Representing</u>
Shane O’Keefe	Town of Londonderry
Sharon Crossman	Town of Londonderry
Gail Mann	Town of Londonderry
Larry Gubb	Town of Londonderry
Chrissy Haskins	Dufresne Group

1. Gail provided an update on the potential for excess capacity in the Platt septic system. The system is located in a floodplain and therefore any work at this system for additional connections would not be eligible for funding. Additionally, the owners do not want to proceed with any additional connections. Therefore, this option has been eliminated.
2. There was a discussion regarding the library property:
 - a. Water Rights: The Town’s Attorney researched the deed for any restrictions and found that there may be water rights for approximately 5 adjacent parcels. The next step for this alternative is to determine if any adjacent parcels have a need for water rights. The easiest path forward is if all parties waive their water rights. If any parcel does need to maintain the water rights, further investigation/research would be necessary to determine where the spring(s) are located in relation to the proposed leach field area. Gail and Sharon will work on contacting the adjacent property owners listed in the attorney’s research.
 - b. The Library Board has requested to know how much land is desired for the wastewater system. The original concept was to remain under 6,500 gpd; however, the board asked how much land would be necessary to serve all properties within the potential service area. Chrissy will calculate a size and prepare a concept layout for the full size desired.
3. Sharon asked about Parcel 101009 on Main Street in the South Village. Chrissy will review available land and provide a conceptual layout/sizing that may fit there.

4. The potential service area for the South Village was discussed. Chrissy summarized that there was a larger study area; however, this had been reduced in previous discussions to focus on the more densely developed village area. This includes Main Street from Route 100 to Old School Street and potentially east of Old School Street to pickup the next few parcels that are smaller in size. This also includes Middletown Road from Route 100 to Crescent Street (and up to the Town Hall), and Crescent Street. Chrissy will confirm that the sizing includes the parcels beyond the Town Office on Old School Street.
5. The North Village options were discussed.
 - a. The Town land at the corner of Middletown and Edge Hill can fit a 6,500 gpd mound system. Due to soils, topography and setbacks, it is not possible to exceed this size at this location. Additional capacity will be necessary in other locations.
 - b. Sharon asked about Parcel 102027.100 on High Street, noting they have expressed interest. Chrissy will review the existing permitting and determine if there is available space. It appears that there may be space on the western side of the parcel. If space is confirmed to be available, Chrissy will calculate sizing and prepare concept layout. Once this is done, Sharon will discuss with the owners.
 - c. Shane asked about the cemetery, as there appears to be open space in the entry area. Chrissy suggested finding out if there are any deed restrictions here and talking with the Cemetery Committee to determine if this space is allocated for use already. Shane will follow up with the Cemetery Committee.
 - d. Sharon asked if all alternatives have been exhausted. Chrissy noted that it is likely not possible to exhaust all potential alternatives at this point as additional opportunities may arise in the future with properties changing hands, or properties uses changing. Chrissy advised that with all of the potential funding available in the near future, the Town needs to complete this report so they can be ready to apply for funding. This report will outline the two larger alternatives (one in each village) and then high-level alternatives for decentralized wastewater (without specific locations). Additional locations identified in the future can be detailed via a PER addendum, which will build off this report.
6. Chrissy discussed that the two identified locations for leachfields (Edge Hill Town property and Library property) will be evaluated with two different alternatives each. The alternatives relate to collection, using a traditional gravity system with a pump station at the low end, versus a low-pressure STEP system where each property has a septic tank and only the liquid effluent is pumped. The latter allows for smaller pipe sizes and does not require specific pipe slopes, so the pipes can be installed via trenchless methods. Chrissy is working with Orenco (company that sells wastewater products) on the evaluation of this alternative, which will include a life cycle evaluation.
7. There was a discussion on next steps for the Edge Hill Town property, as this is the only property that does not require easements/acquisition. Chrissy noted that test pits should be done to confirm soils, ledge and water table. Chrissy also suggested, based on the library property, that the deed for this property be reviewed for restrictions to make sure the Town can put a wastewater system on it, and to ensure there are no water rights impacted by the proposed wastewater system. Larry will discuss with the Conservation Commission, which manages the property. Larry

commented that there is a old spring house on the parcel that can be seen from Middletown Road. Chrissy will send Larry the concept plan.

8. There is a virtual meeting on Thursday, October 7, with Secretary Moore regarding the use of the State's ARPA funding for village water/wastewater. Chrissy plans to attend and will provide information to the committee.