



One Burke

Village Infrastructure and Visioning and Economic Development Meeting

May 28, 2021

Online via Zoom

Dufresne Group
481 Summer Street, Suite 8
Saint Johnsbury, Vermont 05819
Tel: (802) 748-8605

On May 25, 2021 at 5:00 pm, a meeting was held via Zoom video conference to discuss the Burke Visioning and Economic Development Study and Water and Wastewater Study. The following individuals attended:

<u>Individual</u>	<u>Representing</u>
Dan Flanagan	One Burke
Cathie Wheeler	One Burke
Todd Vendituoli	One Burke
Linda Lotti	One Burke
Des Hertz	One Burke
Kevin Mack	One Burke
Tammy Wagner	One Burke
Christine Emmons	Town of Burke Selectboard
Coralie Curran	Burke Property Owner
Jim Newell	West Burke Unitarian Universalist Society
Laura Malieswski	Burke Chamber of Commerce
Peter Fairweather	Fairweather Consulting
Greg Gossens	gbA
Andrea Day	Dufresne Group

Andrea Day has prepared the following summary of notes taken at the meeting. Please notify her if you have any corrections or additions to these minutes. Tasks to be completed as a result of this meeting are underlined.

- I. The minutes from the April 27, 2021 meeting were approved.
- II. **Visioning/Economic Development Study – Fairweather Consulting**
 - a. Contents of Final Report
 - i. The draft report and economic summary was sent out for review on 5/25. The large appendices were not attached due to size. The executive summary can serve as a

handout; includes contact information and graphics of the gateway area.

- ii. One Burke website – currently info and links through the Chamber of Commerce site. There's no active One Burke website, can post the report information on the One Burke page on the Chamber site.
- iii. Todd believes One Burke should have its own site.

b. Status of Community Outreach

i. Community outreach to present report?

1. At Strawberry Festival? (On 6/25 from 4pm-7pm)

- a. Posters, handouts – posters from the Pig Roast outreach event?
- b. Possibly a raffle prize to increase interest and get people to come to the booth.
- c. Greg G. to print poster.
- d. Peter to print 100 copies of the executive summary.

2. Implementation meeting to be scheduled.

3. Additional outreach possible at the Fall Festival in September, One Burke meeting

4. Peter will put the Chamber One Burke page as site for more information on the study.

- c. Town receiving COVID funds – no official info yet, waiting on more information. Trying to determine if it could be used for land purchase and potentially a wastewater system and park-n-ride – Town purchase and use grants for improvements.

III. **Water & Wastewater Study**

a. Well testing update.

- i. DG call and set deadline for well testing for the last two people that are not replying.

b. Wastewater update.

- i. Amy from Stone visited two sites in East Burke and one site in West Burke on May 17.
 - ii. Findings
 - 1. Reviewed memo from Stone Environmental.
 - 2. Two sites in East Burke appear to be worthy of additional investigation.
 - 3. West Burke site was too cobbly for the hand auger. Additional investigation would need to be funded by the Town.
 - iii. Working with Burke Mountain and Rural Edge on determining capacity.
- c. FONSI update
 - i. Out to 30-day public comment – up June 13, 2021
- d. Planning Funds available
 - i. 100% subsidy, up to \$100,000 for a project that can cover anything in planning for an additional site, archaeology, FONSI, etc. for planning, ER, pre-approval for loading application rates
 - ii. The Town can apply now to June 30 and again after July 1 per year. There's potential for \$100,000 this and next fiscal year.
 - iii. Discuss at the June 7 selectboard meeting.
- e. ARPA funds
 - i. Eligibilities tied to SRF.
 - ii. It's not known how funding will be funneled yet.
- f. UVM CAP
 - i. Get updated schedule from John. Mike wants the Caledonian Record there.

IV. **Other items**

- a. Set up a meeting with Lynnette and Mary on scheduling.

- b. The Select Board had questions that Lynnette has responded to. The Board is concerned about making sure separations and water supplies are protected.
 - c. Set up time for Amy to discuss concerns Monday, June 7th at 5pm with the board.
 - d. Peter and Greg to send final invoices for Municipal Planning Grant to the Town.
 - e. Funds for grant writing assistance – Linda is checking into funding sources.
- V. Next meeting scheduled for June 15th at 5pm.



May 21, 2021

To: Andrea Day, P.E.

From: Amy Macrellis

MEMO

Stone Project No. 19-122

Subject: East and West Burke, Soils and Site Investigations Update

On May 17, 2021, initial site evaluations and hand auger soil investigation were completed on three potential community wastewater treatment sites in East and West Burke, where access permission was granted by property owners. This continued site evaluation work initiated in West Burke in August of 2020. Below we summarize the sites evaluated and preliminary findings to date. Detailed hand auger logs and X-Y coordinates for site observations will follow under separate cover.

1. East Burke

Two potential sites were evaluated in East Burke on May 17, 2021.

The 268 Maple Lane site (Charron) is highly recommended for test pits if the owner will permit (Figure 1). The owner of the property to the south indicates there is ledge near the northern edge of his property, and seeps/springs are present across Maple Lane east of the subject site on the upslope tree-line (including a spring by the apple tree and two or three spring tiles that are now abandoned). The hayfield area evaluated (approximately 9 acres) is lightly rolling and appears to be very well drained. Two hand augers were advanced to confirm the Caledonia County Soil Survey data (Colton-Duxbury complex, 0 to 3 percent slopes). The hand augers revealed gravelly sand to very coarse sand to at least 48 inches below ground surface, consistent with the soil survey. On the western boundary, the land slopes steeply towards the gravel pit, which was dry at the bottom as observed from the western fence line/top of slope. The steep slope is a minor limiting factor, in that any in-ground disposal system would need to stay back at least 25 feet from the edge of slope. Coordinates were recorded for 11 potential test pits, including the two hand auger locations (Figure 1), but the owner indicated that the field will be hayed this season and so grade stakes were not placed.



Figure 1. Charron site, East Burke, preliminary site observation locations

The VT Route 114 site (Payne, SPAN 111-004-11273) is an open grassed field with stony, gravelly sand uplands including steeply sloping portions, some likely in excess of 20% slope (Figure 2). Four hand augers were advanced to confirm the Caledonia County Soil Survey data (Dummerston very fine sandy loam, onsite wastewater suitability category Id). These tests showed that the gravelly sands are underlain by silty to clayey material with indications of seasonal high groundwater at 24" or less, which is apparent in the lower elevations of the site at approximately 864' AMSL and below (for instance, between hand augers EB-AH-04 and EB-AH-06, Figure 2). There are a few areas of potential wetland and/or intermittent drainage channels

located along the eastern/upslope site boundary, including one small, flowing channel crossed by a bike bridge. The lower-elevation, unmanaged area in the northern part of the site is wetland (marsh marigolds blooming and sedges, etc. apparent during the site visit). Proposed test pits were marked with grade stakes at 10 locations in the upland areas (Figure 2). Despite the limiting factors encountered during the initial site visit, up to roughly five acres may be potentially suitable for a community leachfield.



Figure 2. ~1000 VT Route 114, East Burke, preliminary site observation locations.

2. West Burke

Four potential sites were evaluated in West Burke on August 20, 2020, and a fifth site was evaluated on May 17, 2021.

On August 20, 2020, visits and hand augers were completed at four sites: Town Office and Town Garage (Figure 3), Cole (Figure 4), and Corrow (Figure 5). At all but the Corrow site, hand augers were refused by stones at 22-28" below ground surface, and before reaching limiting conditions. Despite that, site conditions generally appeared to be most suitable for community wastewater treatment on Cole, then Town Office, then Town Garage, then Corrow.

At the Town Garage site, severe stony limits for hand tools were encountered, and Stone staff were informed during that visit that the Town Garage used to be a machine shop. Thus, there may be historical site contamination issues that would further limit site suitability and/or infiltration capacity.



Figure 3. Town Office and Town Garage, West Burke, preliminary site observation locations.



Figure 4. Cole site, West Burke, preliminary site observation locations.

At the Corrow site, the least stony sands encountered all day were at the northern end of the area evaluated (Figure 5). Unfortunately, a very small stream bisects the area flagged for evaluation, and the southern portion of the flagged area is a wetland. The landowner's partner further indicated during our visit that proximity to the railway has severely limited the owners' plans for alternate uses of the portion of the parcel near the railroad tracks.

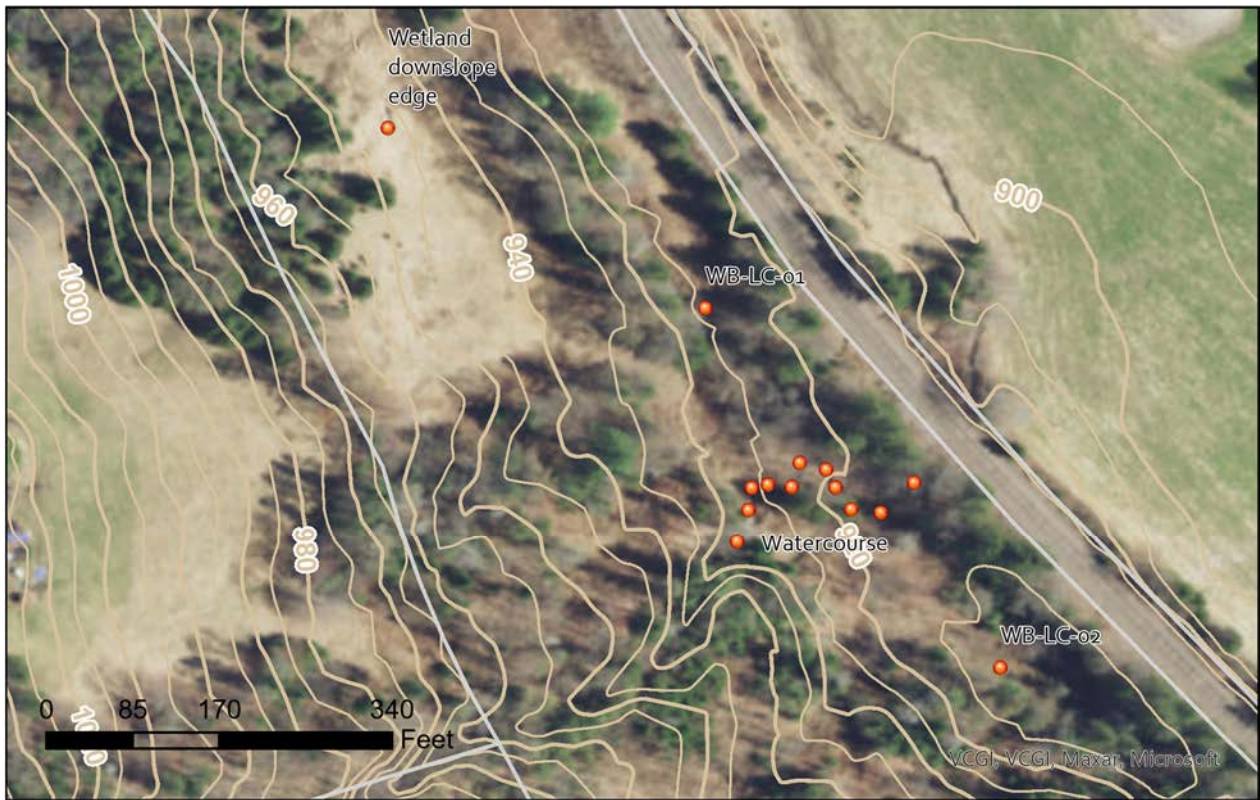


Figure 5. Corrow site, West Burke, preliminary site observation locations.

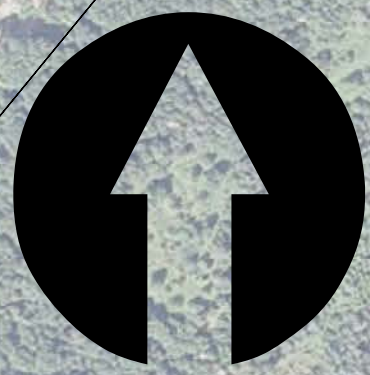
The Cole and Town Office sites were both recommended for test pit evaluation following the August 20, 2020 site evaluations. Since that time, NEPA clearance work and procurement of archaeological evaluation services has progressed. The Cole site, as a former gravel pit, was not deemed archaeologically sensitive, but the Town Office site required further clearance. A Finding of No Significant Impact for test pits at the Town Office site has been placed on a 30-day public notice as of May 14, 2021.

On May 17, 2021, a site visit was completed at the Gingue site, a working gravel pit located just east of the Cole site and US Route 5 (Figure 6). This site is potentially worthy of test pit evaluations if the owner will permit. The upper (northern) bench within the area of interest is perhaps half of the highlighted area in previous hand mapping (approximately half an acre, as it is bisected by a haul road). Large stones (cobble to boulder size) are a substantial component of the subsurface material, which may pose some limitation for soil-based wastewater treatment. Cobble stockpiles are present in the area of interest, which may need to be moved to advance a test pit. South of the cobble stockpile, there is a steep slope down to a lower working bench in the pit with a groundwater seep at its bottom at approximately 882' AMSL, indicating an unsaturated thickness of about 16 feet may exist beneath the upper bench. The seep is at a higher elevation than the river corridor and riparian wetland/beaver dam to the east of the site (elevation approximately 864'

AMSL). Hand augers were attempted but not recorded at this site; hand tools were refused on stones within 12 inches of ground surface. Proposed test pit locations were recorded at nine points, but grade stakes were not placed. Grade stakes with yellow flagging were already present in the area and we did not want to cause confusion for any operators working the pit.



Figure 6. Gingue site, West Burke, preliminary site observation locations.



Legend

- Project Area
- Rivers & Streams
- Waterbodies
- Unsuitable

DARLING HILL RD

BURKE HOLLOW RD

VT ROUTE 114

CARR DR

SWEETWATER LN

WATERS LN

E DARLING HILL RD

MOUNTAIN RD

BEIDEN HILL

170 Maple Lane
Owner: Clamer

268 Maple Lane
Owner: Charron
All but 8 acres
sold to Clamers

MOONLIGHT DR

LEGACY LN

WALKER RD AURORA LN

KIRBY RD



