

**An Update on the Options to Replace the Marion Cross School Septic System
Status Report for the Norwich School Board
Prepared by Jeff Goodrich, Pathways Consulting, LLC
Wednesday, February 6, 2019**

1. Vermont Agency of Natural Resources (VANR) Update:

I have provided Terry Shearer, District 3 Regional Engineer, periodic updates about the Norwich School District efforts to address the Marion Cross School (MCS) on-site wastewater disposal system (system). My most recent update addressed the status of the three options and the likelihood of repairs in 2020 (depending on public voting, etc.).

2. Existing System Update:

- a. We have discussed using test pit information from the original work by K.A. LeClair based on our experience with Ken's work and the conceptual nature of our current efforts.
- b. The next step we discussed is a conceptual design to replace the existing system to project order or magnitude costs. This task will involve:
 - Using LeClair topography, which appears to be relatively unchanged on the green.
 - Using LeClair information to approximate boundary considerations.
 - Vetting the concept with Terry Shearer.
 - Developing a conceptual Engineer's Opinion of Probable Cost (EOPC).

3. Peisch Property Update:

- a. We were able to observe test pits late last year (before snow and frost inhibited this effort).
- b. We previously conducted a wetland assessment proximate to likely system locations and met with Rebecca Chalmers, District Wetlands Ecologist, to establish that the stream corridor is Class II (requiring a 50 foot setback).
- c. The next step we discussed is a conceptual design to project order or magnitude costs. This task will involve:
 - Using State LIDAR topography, which includes two foot contours that appear relatively accurate for the site.
 - Using Town Tax Assessor information to approximate boundary considerations.
 - Vetting the concept with Terry Shearer.
 - Developing a conceptual EOPC.
- d. We have not had any further discussions with the Town concerning the conservation easement on this property.

4. Route 5 Corridor Update:

- a. The funder meeting we arranged was cancelled due to government agency furloughs. We are attempting to reschedule this meeting.
- b. District representatives met with Town representatives on December 4, 2018 to discuss a connection to the Town (of Hartford) system. Hartford Town Manager Leo Pullar indicated that the Town has capacity and is willing to accommodate a connection. Leo affirmed this again with me on January 31, 2019 and indicated that the Town would be willing to provide a letter of commitment.
- c. The next step we discussed is a conceptual design to project order or magnitude costs. This task will involve:
 - Using State LIDAR topography along the project corridor.
 - Using Town Tax Assessor information to approximate boundary considerations (as appropriate).
 - Vetting the concept with the Town of Hartford.
 - Coordinating connection needs with businesses along the corridor.
 - Developing a conceptual EOPC.