

**From:** [Michael Behrendt](#)  
**Subject:** Gerrish Drive - Rich Reine's response to question from Ellie Lonske  
**Date:** Friday, October 01, 2021 12:15:39 PM

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To the Planning Board,  
Please see Rich Reine's response to a question from Ellie Lonske below.

**Michael Behrendt**

Durham Town Planner  
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**From:** Richard Reine  
**Sent:** Friday, October 01, 2021 11:55 AM  
**To:** Michael Behrendt  
**Cc:** April Talon  
**Subject:** RE: Gerrish Drive - request from Ellie Lonske about costs for infrastructure

Hi Michael,

I reviewed the September 22, 2021 Planning Board meeting discussion found at 1:00:18 on the tape around the longevity and expected life of the metal arch pipe and concrete culverts and agree with Gerrish Subdivision Project Engineering Mike Sievert that, generally speaking, if installed and specified correctly, a metal arch pipe would have an expected life of 40-50 years. During my discussion with the Planning Board and accompanying letter I stated *"The consensus, following durability studies conducted by many State Highway Departments is, a corrugated steel pipe has a life expectancy of 35 years before perforation of metal occurs. Coatings can be applied but their performance is marginal, adding maybe an additional 5 years to the expected life"*. A 20 year design life for the metal arch pipe was never indicated by me and the concrete culvert would be expected to have a design life exceeding that of a metal arch

pipe. Please let me know if anything additional is needed.

Thank you, Rich



**Richard K. Reine, M.S.C.E., CA | Director of Public Works**

**Tree Warden - ISA Certified Arborist: NE-7337A**

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**From:** Michael Behrendt <mbehrendt@ci.durham.nh.us>

**Sent:** Thursday, September 30, 2021 2:26 PM

**To:** Richard Reine <rreine@ci.durham.nh.us>

**Cc:** April Talon <atalon@ci.durham.nh.us>

**Subject:** Gerrish Drive - request from Ellie Lonske about costs for infrastructure

Hi Rich,

Please see the email from Ellie Lonske, Planning Board member, below. Would you be willing to look at this segment of the DCAT recording and share your thoughts.

<https://durham.vod.castus.tv/vod/?video=d601fd34-023b-4978-bf5b-2a94a62fe4b1>

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**From:** Eleanor Lonske [<mailto:ellielonske@gmail.com>]

**Sent:** Thursday, September 30, 2021 2:19 PM

**To:** Michael Behrendt

**Subject:** I would welcome clarification on the long-term costs maintaining the complex infrastructure proposed for the Gerrish Drive development

Hi Michael,

Mike Siebert has rejected Rich Reine's cost estimates for the long-term maintenance costs that the HOA will have to budget for. His new claim that the road infrastructure will last 50 years needs to be unpacked. Would you please point Rich Reine to the part of the PB meeting video where Mike addressed my concerns about the cost of long-term maintenance, and ask for his professional opinion?

1:00:18 into the tape.

Thanks.

/Ellie

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Eleanor Lonske  
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(603)590-9183