

From: [Roger Dickinson, PE, PTOE](mailto:Roger.Dickinson@hinesburg.org)
To: mcpes@hinesburg.org
Cc: brett@milotrealestate.com; mike@tjboyle.com
Subject: RE: HC2 review
Date: Thursday, January 12, 2023 12:50:27 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[19054-2-SITE PLAN EAST.pdf](#)
[19054-3-SITE PLAN WEST.pdf](#)
[19054-10 STORM DET 1-STORMWATER DETAILS.pdf](#)
[19054-11 STORM DET 2-STORMWATER DETAILS.pdf](#)
[19054-11A STORM DET 3-STORMWATER DETAILS.pdf](#)

Hi Mitch,

Attached are revised Sheets 2, 3, 10 and 11. Also a new Sheet 11A.

Sheets 2 and 3 have been revised per our conversation earlier this week to increase the storm drain size between CB4 (Sheet 3) and CB5 (Sheet 2) from 24" to 30". The outfall callout on Sheet 3 has also been corrected from 30" to 36"

The Kailey's Way stormwater treatment and detention system details which were previously mixed in on Sheets 10 and 11 have been moved to Sheet 11A. This makes Sheets 10 and 11 easier to understand, as Sheet 10 now only details the gravel wetland, and Sheet 11 only details the Lot 30/Farmall Dr Ext. bioretention system. The outlet structure details on Sheets 10 and 11 have also been updated to add detail.

Sheet 11A more completely details the Kailey's Way stormwater treatment and detention system together with providing additional specifications per the discussion at the last DRB meeting. We've also examined the potential buoyancy of the 48" header near DMH2. We note that a high seasonal water table extending above the midline of the 48" header would also put it within 2 ft of the pavement grade at the adjacent Farmall Dr/Kailey's Way intersection. We believe that is a reasonable estimate of how high the seasonal water table might rise in this immediate area. With that, it is our opinion that there is sufficient soil weight above the header pipe, which together with it being anchored to DMH2 and the 48" detention pipe to the west, to prevent flotation.

As requested, I took a look at the Lot 30/Farmall Dr Ext. outlet structure, and agree with you that it would be best to stay with the existing design whereby the yard inlets discharge to the outlet structure on the upstream side of the overflow weir/orifice.

Feel free to call me if you have any questions or if I have missed anything.

Thanks,

Roger



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From: mcypes@hinesburg.org <mcypes@hinesburg.org>

Sent: Tuesday, January 10, 2023 3:10 PM

To: brett@milotrealestate.com; Roger Dickinson, PE, PTOE <Roger.Dickinson@tcevt.com>;
mike@tjboyle.com

Subject: HC2 review

Hi Brett, Roger and Mike,

Attached is the latest (and hopefully last though I do like working with you) staff report for your application. I made sure to note that this report is for the four applications, which will result in four decisions, three of which I could easily write now.

Roger – I relooked at the drainage for lot #30 and Farmall Drive extension. The outlet structure in the current plans limits the yard drain discharge to a one-inch orifice. It seems that this was the intent to limit new discharge to the Creekside system. Moving the connection of the yard drains directly to the existing catch basin may not be a good idea. Also, I would believe that both the yard drain and bio-retention basin discharges would be upstream of the one-inch orifice shown on drawing sheet #11. Let me know your thoughts on this.

Mike – I kept the review item, now #5, as is. I did not remember which part you addressed and were still going to address. Per the last meeting, I added the review item #1 and the last sentence of item #2. Once reviewed, an email confirmation for the records in my opinion would be fine.

The list I made for the covenants is meant as a guide. I hope it is helpful. Please review to see if there is more.

Mitch

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