Will,

Thanks for your time discussing this project yesterday. Following review and additional internal discussion I have the following conditions update and documentation requests. There are still a couple more t’s to cross and i’s to dot but I believe we are getting close.

- The pervious paver driveway and provided specifications look good. Thank you for providing these.
- Following yesterdays conversation you plan on providing updated design plans noting a “french drain trench” to capture roof runoff. As discussed generally yesterday, roof downspouts will discharge directly sub-surface into a trench filled with gravel. This trench will have a protective fabric placed over it and then top soiled and grassed. Please include depth, width, and length of the proposed trench.
- Updated Conditions of Approval
  - The Applicant will clean the catch basin following completion of construction if the basin is greater than 25% full.
  - The driveway entrance along Dan’s Court will maintain the current height of the existing curb.
    - This will ensure that ponded water will not have a more preferential flow path then it does under existing conditions.
    - While the current plans note that the existing curb will remain, if the applicant were to propose a rounding or slope to this entrance that is acceptable by the Stormwater Program. As long as the existing curb elevation is maintained.

Required Documents
- New EPSC Permit (given the back and forth it would be best to submit a fully updated permit)
  - This permit can be sent to me directly.
  - This will include a new lot coverage summary.
  - The pervious paver driveway will be considered pervious for this summary.
- Updated Plan set including the gravel trench as discussed above
  - The most recent plan set is attached.

Please note that this communication and any response to it will be maintained as a public record and may be subject to disclosure under the Vermont Public Records Act.
Hi James,

I had the catch basin inspected and cleaned out by P&P Septic this morning. It was filled with sediment so we also jetted the line connecting to the sewer line and confirmed that now it is draining properly and completely clear. Now it is in working order and in good condition.
Hi James,

Sorry for the delay. I am waiting on the engineers to add design detail to the plan for the proposed French drain on the west side of the property but I do have details on the driveway. Also, I have P&P septic scheduled to clean out the storm drain on Thursday morning.

A few things that I think are important to consider about the driveway:
1. The proposed techo block permeable pavers allow lots of absorption (see spec sheet)
2. The slope is very gentle (see plan)
3. The existing curb is to remain in place so storm water will not be funneled down the driveway (see plan)
4. The proposed French drain will mitigate any increase in stormwater as a result of the gently sloped permeable paver driveway.

One thing that I thought I would bring up is that it was a bit awkward to explain to the owner of Dans Court that it was going to now be my job to maintain his property so that I can fulfill a condition the city proposed in order for me to have approval to build an ADU on my property. He did agreed to let me have the catch basin scheduled to be cleaned which I think is necessary to alleviate any stormwater issues the neighbors have cited on that part of the street and is just good
practice to have functioning infrastructure. However, I don’t think that it is appropriate to have to submit a signed maintenance agreement between myself and the owner of Dans Court. I know it doesn’t sound like a big deal, and I do not want to come across as being defiant, I just think that is a little bit too much to ask. I would like that portion to be removed from the conditions of approval. The last thing I would want is to cause adverse stormwater effects on neighbors properties and I think the plan in place will actually improve the situation.

From: James Sherrard <isherrard@burlingtonvt.gov>
Sent: Thursday, November 5, 2020 8:22 AM
To: Ryan Morrison <rmorrison@burlingtonvt.gov>; Will McKenna <w.mckenna@acabayinc.com>
Subject: RE: 400 North St

Morning Will and Ryan,

As of today I have not received a reply with regards to the bulleted items laid out previously. They are shown below once again for your reference.

James

Upon further review of the submitted materials and a site visit performed on 9/18/2020 with the applicant the Stormwater Program submits the following comments.

- Dan’s Court is a private road whose associated drainage infrastructure, namely Catch Basin 5262, is also privately owned.
- On the site visit performed by City SW Staff it was confirmed that this basin is filled with sediment and non-functioning.
- The applicant agreed to have this basin cleaned as a condition of approval.
- This basin is an essential component of adequate road drainage especially given the proximity to the retaining wall separating Dans Court from the adjacent eastern properties.
- Recognizing the importance of a functioning catch basin at this location to prevent overtopping of the retaining wall in existing conditions, the Stormwater Program requests as a condition of approval that the applicant ensure that annual maintenance/inspection of this basin to take place each year no later than May 15th. Cleaning of the catch basin is required whenever the sump is 50% full. In the absence of a sump, the catch basin and the line connecting the catch basin to the combined sewer must be cleaned/jetted at the first sign of clogging.
- It is the applicant’s responsibility to ensure this maintenance takes place through a written agreement with the owner(s). Copy of such agreement is subject to review and approval of the City Attorney.
- The French Drain proposed by the applicant will need to be detailed on a site plan with the discharge location shown, the proposed flow path of that discharge, and the of overland flow towards the eastly property boundary noted.
- The Stormwater Program requires design details for the proposed pervious access drive. Specifically that of the type of pavers and the sub-base.
- The Stormwater Program asks the applicant to consider designing a driveway entrance with an elevation equal to or greater than the existing curb height. This could be achieved via a gradual pavement berm located near the existing curb line. If this suggestion is not implemented, the Stormwater Program requests that the applicant provide reasonable assurance that the road runoff will not access this proposed curb cut as a preferential flow path.

Stormwater Conditions of Approval

1. The applicant will have the basin cleaned prior to Stormwater Program Permitting Approval.
2. The applicant will execute a maintenance plan for catch basin 5262 located along the privately owned access road Dans Court with the express written agreement from the owner(s).
Hey Will - that looks great! Thanks. Now, how are the EPSC and Stormwater plans coming along?

Hi Ryan,

Here is a plan with the details on the driveway and a spec sheet for the permeable pavers. On the plan it shows that the existing curb would remain as it is only 1.5-2 inches in the area that the driveway will be. Since there is no curb cut this should alleviate the neighbors concerns. The gentle grade of the driveway and permeable pavers will not contribute to stormwater runoff. If anything, once the catch basin is functional again, the EPSC situation will be improved as a result of the project. Let me know if you have any questions or feedback on this.

Thank you.

Hi Will

Any update on the driveway drawings and EPSC/stormwater plans? I need to post this information for the DRB tomorrow. Thanks!

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