



GRANITE ENGINEERING, LLC

civil engineering • land planning • municipal services

August 21, 2025

City of Keene
Community Development Department – Planning and Zoning
3 Washington Street
Keene, New Hampshire 03431

RE: G2 Holdings, LLC
Tax Map 215 Lots 7 & 8
21 & 57 Route 9, Keene, NH
GE Project No. 2302011

Dear Ms. Fortson,

We are in receipt of a consultant review report, received August 14, 2025, relative to the review of the Earth Excavation Permit application, PB-2024-20, for the G2 Holdings, LLC project located at 21 & 57 Route 9. In addition to responses to your comments, please find the following material in support of the referenced project:

- Three (3) Copies of the revised plans (22" x 34")
- Three (3) Copies of the Stormwater Management Report
- Digital submission of the updated materials

In response to the comments made by Fieldstone Land Consultants, PLLC, we offer the following explanations and/or responses:

Section 25 Earth Excavation Permit:

4. Section 25.3.3: *The third-party hydrogeologist (Sanborn Head) observed the borings and monitoring wells and has represented that there are potential conflicts with the groundwater and/or separation to groundwater in Period 1 and Period 8. This should be reviewed and the design and stormwater management report revised as necessary.*

The grading for periods 1 and 8 have been adjusted to maintain a minimum of 6' above water table elevations observed. Per the 8/20/2025 meeting, a condition to the permit will require a monitoring well to be installed within period 1 during spring. If the water table is observed within 6' of the proposed grading, the grading will be slightly raised to maintain the required 6' separation.

The stormwater report states that the design is relying on test pits performed by TFMoran but those test pits do not reach depths to verify soil materials and adequate separation to seasonal high-water table. The Subsurface Data table on the monitoring plan shows that Test Pit 1 and 2 go to depths of 867.0 and 863 respectively and the infiltration basin in this area has a bottom elevation of 842.0.

The stormwater report narrative has been revised to reference the newly drilled well bedrock wells, including BRW-12, which observed water at elevation 830.92. The colored drainage plans have also been revised to show the revised pit grading for periods 1 and 8.

SLR-10 which is outside of the infiltration area shows water observed at 841.1 (884-42.9) which would not provide adequate separation to the bottom of the infiltration basin at 842.0. The ground elevation per the topography depicted on the monitoring plan shows SLR-10 at elevation 890+/- not 884 per the table. If the elevation in the plan view is correct this would raise the observed groundwater level to 847.1+/- . BRW-12 which is inside the infiltration basin is not detailed on the monitoring plan but it is my understanding readings from BRW-12 may support. ground water elevations at approximately 830.9 during low flow conditions but the materials are not conducive to infiltration since bedrock was encountered. The table on the monitoring plan should be updated to depict all observations on-site and the data should be verified to ensure that all elevations are represented correctly.

SLR 10 was an existing well that was installed during the previous project designed and permitted by another firm. It no longer exists on site due to excavation activities in that area. All references to SLR wells done under the previous project have been removed from the planset, as they are no longer present on site. BRW 12 was shown on the monitoring plan sheet 17 of 23 in lieu of SLR 10. This well was dug to replace SLR 10.

As discussed in the 8/20/25 meeting, a hydraulic conductivity slug test was performed at BRW 12 and the data support the infiltration used in the stormwater design. The conversation revolved around the presence of ledge near the infiltration pond which was explained by our team to not be the case. It was agreed that this material was not typical ledge and the infiltration test provided that.

6. *Section 25.3.4.A.2: The water table drops 22+/- feet between SLR10 and SLR11 and it is a relatively short distance between these two locations. We would recommend an additional test site between the two locations to ensure adequate separation to seasonal high water. This stormwater management area is critical to the design and operation of this site. This additional testing could be done between phases as a condition of approval should the Board feel comfortable with this recommendation.*

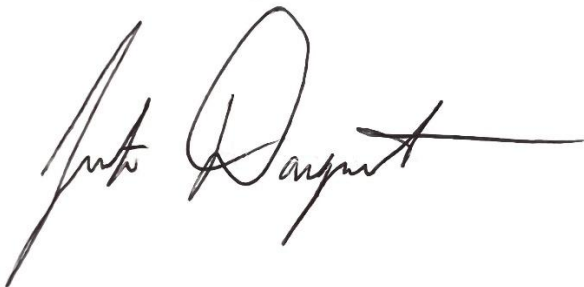
BRW-12 has been installed between former SLR10 and SLR11 and within the floor of the infiltration pond. The water table was observed at 830.92, and the proposed pit floor is at elevation 840.00.

- 1. New Comments: Will on-site vibration monitoring be done during blasting and crushing operations? Concerns have been raised regarding adjacent properties and potential damage nearby infrastructure associated with on-site operations. This type of monitoring is typically required to protect adjacent properties and to address liability issues in this industry. Please share how the site operations will address this concern and be consistent with city regulations. We would recommend adding a note to the plan set to document how the site operations will comply with city and industry standards.*

General Note 21 regarding vibration monitoring has been added on sheet 1.

We trust the noted plan revisions and/or explanations will adequately address the conditions listed above. Should you have any further questions or comments, please do not hesitate to contact this office.

Best Regards,

A handwritten signature in black ink, appearing to read "Justin Daigneault", with a long horizontal flourish extending to the right.

Justin Daigneault
Project Manager