



# Guerriere & Halnon, Inc.

ENGINEERING & LAND SURVEYING

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January 24, 2024

Franklin Planning Board  
355 East Central Street  
Franklin, MA. 02038  
Attn: Gregory Rondeau, Chairman

RE: *December 13, 2023 Memorandum from BETA Group, Inc.: 515 West Central Field Changes*

Dear Members of the Board:

On behalf of our client, Franklin Learning RE, LLC, Guerriere & Halnon, Inc. has prepared the following information to address the comments contained in the letter from BETA Group, Inc. dated December 13, 2023.

**BETA Group's** findings, comments and recommendations are shown in *italics* followed by our response in **bold**.

- *The proposed pervious pavement detail is generally consistent with the Stormwater Handbook. Comments specific to the porous pavement are as follows:*
  - *The designer should confirm the proposed porous pavement thickness of 3" is suitable to support waste collection vehicle and fire apparatus loads. Porous pavement has a lower load-bearing capacity than conventional pavement.*
    - **The applicant has coordinated with BETA and revised the porous pavement detail to specify a 4" pavement thickness, placed in two 2" lifts, to be consistent with the UNH Porous Pavement spec.**
  - *The bottom of the reservoir course should be flat, and it is recommended to raise the subdrain from the reservoir bottom to promote recharge when groundwater levels stabilize or are lower during the dry season.*
    - **The plans have been revised to provide a flat bottom, and the subdrain raised to promote recharge when conditions allow.**
  - *The Operation and Maintenance Plan should be updated to reference the porous pavement and include specific maintenance requirements (e.g. power washing and vacuum sweeping). The approved O&M includes proprietary documentation for the porous concrete that is no longer applicable.*
    - **The O&M Plan has been revised to remove proprietary maintenance guidance, and specific maintenance guidelines have been added for the proposed porous pavement.**

- *Subdrains from the porous pavement area will be directed to the existing infiltration basin near the front of Lot 2 (Wendy's). If the proposed modification is approved, the existing basin should be monitored during dry periods to ensure a permanent pool is not created. If the storage volume of the pond is affected, additional calculations or corrective measures may be required to ensure the site remains in compliance with the approved stormwater objectives.*
  - **The applicant does not object to this requirement.**
- *BETA did not perform a detailed review of all stormwater documentation; however, the updated HydroCAD model input was noted to be consistent with the approved 2021 model, except for the proposed cover type change for the porous pavement area. While the stormwater objectives of the approved project are still anticipated to be met, the designer should ensure summary tables are fully representative of the HydroCAD output and the narrative and calculations are clear and consistent throughout each section.*
  - **G&H has coordinated with BETA and revised the drainage analysis narrative and HydroCAD output for consistency and clarity.**
- *A letter dated November 8, 2023, from Mark Santora, PE, (the Engineer of Record (EOR)) has been provided in response to BETA's limited draft retaining wall design comments. The EOR has indicated that comments have been satisfactorily been addressed and BETA defers final structural design and review to the EOR and permit granting authority.*
  - **No response required.**
- *It is BETA's understanding that the critical path for construction is the proposed retaining wall. The Commission and Board may choose to act on this aspect of the project alone at their discretion.*
  - **No response required.**

We believe these responses have addressed the concerns expressed by BETA Group, Inc. from their review letter. Should you have any further questions or concerns, please contact our office.

Sincerely,  
**Guerriere & Halnon, Inc.**



Michael Hassett  
 Project Engineer