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January 20, 2023

Alaa Abusalah, Town Planner  
Leicester Conservation Commission  
3 Washburn Square  
Leicester, MA 01524

**Re: Response to MassDEP Review Comments  
Proposed Multifamily Residences  
#778 Main Street, Leicester, MA  
CMG ID 2021-226**

Dear Members of the Commission,

CMG is in receipt of the MassDEP Review Comments, dated 1/18/2023, associated with the multifamily residences project located at 778 Main Street in Leicester, MA (File # CE 197-0696). Please see CMG's bold responses relating to each of the above noted review comments.

- 1. As a Zone A, a base flood elevation has not been established, the Applicant should provide additional information on the BFE. Per 10.57(2)(a)3... "the boundary of Bordering Land Subject to Flooding shall be the maximum lateral extent of flood water which has been observed or recorded" or "the issuing authority may require the applicant to determine the boundary of Bordering Land Subject to Flooding by engineering calculations...". See 10.57(2)(a)3.(a)-(c).*

**CMG Response:** At this time, a hydraulic analysis of Waite Pond has not been conducted at this time to determine a base flood elevation. However, CMG conducted a survey on the Waite Pond spillway to obtain its elevation which was determined to be 819.5 +/- . The proposed limit of disturbance for the site is approximately the 831 elevations. There is no record, evidence or known historic flooding within Waite Pond which had resulted in Waite Pond rising 11.5 +/- feet above the spillway elevation. The proposed site improvements will not cause detriment to the Zone A flood zone. As a conservative approach in consideration of the flood plain, the Applicant utilized the mapped limits of the flood plain and provided compensatory storage accordingly, though it is not warranted.

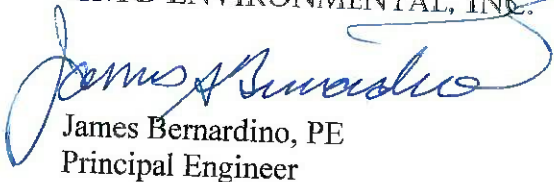
2. *While there appears to be soil logs and test pits provided, a test pit does not appear to be situated at each infiltrating BMP. Please provide additional information for where the BMP's are situated and confirm the depth is at least 2 ft to seasonal high groundwater and/or bedrock. SHGW should be confirmed as it is currently estimated.*

**CMG Response:** The applicant has conducted additional test pits within the limits of the proposed infiltration chamber systems. The supplemental test pit locations are shown on the revised Grading & Drainage Plan and a minimum of two foot separation to groundwater has been verified. Please see the enclosed soil logs and revised Sheet C-5.0.


We look forward to the continued discussions on this matter with the Commission at their upcoming meeting. Please contact Rob Lussier or me if you need any additional information at (774) 241-0901.

Sincerely,

CMG ENVIRONMENTAL, INC.



James Bernardino, PE  
Principal Engineer



Robert Lussier E.I.T.  
Project Engineer II