

FEBRUARY 5, 2025

Town of Arlington Conservation Commission
c/o Mr. David Morgan, Environmental Planner + Conservation Agent
Robbins Memorial Town Hall
730 Massachusetts Avenue
Arlington, Massachusetts 02476

RE: Response to January 28, 2025 GZA Peer Review
Thorndike Place Residential Development

Dear Members of the Arlington Conservation Commission,

On behalf of the Applicant, Arlington Land Realty, LLC, BSC Group, Inc. (BSC) is pleased to submit this response to the peer review comments provided by GZA GeoEnvironmental, Inc. (GZA) in a letter dated January 28, 2025, for the above referenced project. GZA's peer review letter provided the following conclusions:

GZA's opinion is as follows:

- 1. If the nearby building's groundwater underdrain system is installed beside Infiltration System 1 and if the organic deposit (peat layer) in the eastern portion of the Infiltration System 1 is removed and replaced with clean sand up to the bottom of the Infiltration System 1, then we do not anticipate that the adjacent mounding due to Infiltration System 1 will adversely impact the mound conditions at Infiltration System 7.*
- 2. With the implementation of building underdrainage and peat removal as summarized above, the revised stormwater mound evaluations provided in BSC's January 3, 2025 report adequately addresses the Massachusetts Stormwater Handbook's requirements to evaluate impacts of groundwater mounding during large (100-year) storm events and addresses the 72-hour drainage requirement for the infiltration systems. The revised predicted groundwater mound beneath the stormwater infiltration systems is not expected to adversely impact the ability of the infiltration systems to empty in less than 72 hours. We premise these conclusions on the assumption that an underdrain system will be installed beneath the building located near Infiltration System 1 and the organic deposit (peat layer) underlying Infiltration System 1 is removed and replaced with clean sand up to the bottom of the Infiltration System 1.*
- 3. The stormwater redesign appears to adequately addresses the MassDEP Stormwater Standard 2- Peak Rate attenuation requirements.*

The Applicant agrees to both of GZA's recommendations to install an underdrain system for the building and to remove the organic deposit (peat layer) beneath the infiltration systems and replace this material with a clean sand to the bottom of the infiltration systems. We request that the Conservation Commission include these requirements in an Order of Conditions for the project with final design of each to be performed as part of the building design and submitted to the Town as part of the building permit application.

We believe this information fully responds to all comments from GZA's extensive peer review. We look forward to discussing this project further with you at the upcoming public hearing. Please feel free to contact me at (617) 896-4386 or drinaldi@bscgroup.com should you have any questions on this matter.

Sincerely,
BSC Group, Inc.



Dominic Rinaldi, PE
Senior Associate