

# Boston Groundwater Trust

229 Berkeley St, Fourth Floor, Boston, MA 02116  
617.859.8439  
www.bostongroundwater.org

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June 7<sup>th</sup>, 2019

Edward Carmody, Project Assistant  
Boston Planning & Development Agency  
One City Hall Square  
Boston, MA 02201-1007

Subject: Simmons University Institutional Master Plan (IMP)/Project Notification Form (PNF) Comments

Dear Mr. Carmody:

Thank you for the opportunity to comment on the Simmons University Institutional Master Plan (IMP)/Project Notification Form (PNF) which is located in the Fenway. The Boston Groundwater Trust (BGwT) was established by the Boston City Council to monitor groundwater levels in sections of Boston where the integrity of building foundations is threatened by low groundwater levels and to make recommendations for solving the problem. Therefore my comments are limited to groundwater related issues.

The project is located in the Groundwater Conservation Overlay District (GCOD) established under Article 32 of the Zoning Code. GCOD requires both the installation of a recharge system to capture one (1) inch of rainfall across the portion of the Project Site and a demonstration that the project cannot cause a reduction in groundwater levels on site or on adjoining lots. The document states that the Project sites are located within the Groundwater Conservation Overlay District (GCOD) as outlined in Article 32 of the City of Boston Zoning Code. Because of the location in the GCOD, Simmons plans to promote infiltration of rainwater into the ground and will certify that the Projects will not negatively impact groundwater levels on the sites or on adjacent lots pursuant to the provisions of Article 32, Section 6.

The proposed below-grade construction will likely be performed within a continuous temporary steel sheet pile cofferdam driven into the impervious clay deposit. The perimeter steel sheet piling will provide a positive groundwater cut-off during the construction phase of the Living and Learning Center, which will minimize the impact of temporary construction dewatering performed within the limits of the Project site on adjacent properties. The excavation to construct the below-grade level will require temporary dewatering to construct the proposed structure in-the-dry. The dewatering will be short-term, and the effluent will be discharged legally off-site.

If the temporary dewatering is observed to have a negative impact on groundwater levels in the vicinity of the site, a temporary groundwater recharge system would be installed which utilizes the water collected in the construction dewatering system to restore the groundwater condition by means of recharge wells located outside of the steel sheet pile wall. The proposed below-grade perimeter foundation walls and foundation will be protected against groundwater intrusion by the utilization of a membrane type waterproofing. Note that continuous pumping of groundwater for the permanent building condition will not be performed, and therefore the Project is not anticipated to have an adverse impact on the groundwater level within or adjacent to the site.

Prior to the issuance of a building permit, the Proponent will provide the BPDA, BWSC, and Boston Groundwater Trust with a letter detailing the elements of the Project which successfully achieve the critical GCOD requirement of no reduction in groundwater levels onsite or on adjoining lots. The letter will be stamped by a professional engineer, who is registered in Massachusetts.

As stated in the document and at the scoping session, the Project will coordinate with the Boston Groundwater Trust to protect groundwater levels in the area, and it will include the installation and/or monitoring of groundwater observation wells in the vicinity of the site before site excavation to facilitate monitoring of the groundwater level before, during, and following construction. In addition, the proponent will ensure that Trust observation wells installed in the public way along the Fenway, Palace Road, and Avenue Louis Pasteur will be maintained and accessible throughout the construction process.

I look forward to continuing to work with the proponent and the Agency to assure that this project can have only positive impacts on area groundwater levels.

Very truly yours,



Christian Simonelli  
Executive Director

CC: Kathleen Pederson, BPDA  
Maura Zlody, EEOS