



City of Cambridge Department of Public Works

Owen O'Riordan, Commissioner

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March 22, 2022

TO: Planning Board

FROM: Katherine F. Watkins, PE
City Engineer

RE: 49 Sixth Street; AHO Planning Board Submission

We are in receipt of the 49 Sixth Street Renovation, AHO Planning Board Submission, dated December 29, 2021.

The DPW supports the project and acknowledges that POAH and their consultant team have demonstrated a general understanding our Department's requirements for development projects and have indicated a willingness to work with the DPW to meet the requirements and to address our concerns. With the understanding that the project will be subject to a thorough and complete engineering review at the time of the Building Permit Application, we anticipate continuing to work with the Applicant. Items discussed with the Applicant related to our purview, are summarized below.

Stormwater Management and Sewer Generation:

The development will be required to obtain a Stormwater Control Permit prior to the issuance of a Building Permit which will include a detailed review of the proposed stormwater management system, plans for erosion and sedimentation control during construction and the plans for long term operation and maintenance of the system.

The increase in sewer generation for the proposed use of the site will trigger mitigation of Infiltration and Inflow (I/I) at a rate of 4 to 1 per State Requirements.

The Submission Materials acknowledge these requirements. DPW will work with POAH as the design progresses.

Climate Change / Resiliency:

We have worked closely with POAH and their consultant team to review and address the issues related to potential impacts on the parcel and units from flooding associated with the projected 2070 Storm Events. The DPW will continue to work with the team to ensure that the development meets the established standards related to addressing the potential flooding impacts. The DPW will look for the project to be passively built/protected from flooding in the 2070-10 year events and demonstrate the ability to recover from the 2070-100 year events.

Consistent with all development in the City, the DPW will be looking for the project to contribute to expanding the tree canopy to help combat heat island concerns and to provide shade for comfort of the residents of the development. As the project is a redevelopment of a parcel with limited open space, these increases in canopy could be through the addition of street trees along the project frontage.

Public Right of Way:

DPW will review and evaluate all proposed work and impacts in the public right of way, as the design is developed. Connections to both public and private utilities as well as all proposed disruption in the public right of way shall be reviewed as part of the Building Permit and construction permit processes.

In summary, as related to the interests of the DPW the proposal will result in improved conditions over the current conditions of the site. We look forward to working with the POAH and other City Departments on this project. Please feel free to contact me with any questions or concerns related to the comments or information provided above.

Sincerely,

A handwritten signature in blue ink, appearing to read "Katherine F. Watkins".

Katherine F. Watkins, P.E.
City Engineer