



City of Cambridge  
Department of Public Works

*Owen O'Riordan, Commissioner*

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June 26, 2017

TO: Planning Board

FROM: James Wilcox, PLS, PE  
Director of Engineering Services

**RE: North Point sanitary sewer pump station**

We are in receipt of the design review application for the North Point sewer pump station dated June 12, 2017. The sewer pump station is proposed to be constructed on Parcel A and will provide sanitary service for the full buildout of the North Point Development. In addition to the pump station, a force main and gravity sewer will be constructed along Gore Street. The final discharge location for the new sewer main will be at a connection to a Massachusetts Water Resources Authority) MWRA sewer transmission main on Medford Street in Somerville.

The Applicant has been closely coordinating the design of the pump station with the Cambridge Department of Public Works (DPW), MWRA and the City of Somerville for the last several months. Once construction of the pump station is complete, it will be accepted by the City and maintained by the DPW.

The pump station is being designed to meet all City of Cambridge specifications for sanitary sewer pumping facilities. Components of the pump station will be constructed both below ground and above ground. The below ground components include the pump chamber (wet well), pumps, valves and other mechanical equipment. The above ground components include a transformer, electrical switch, emergency generator and a pump station control building.

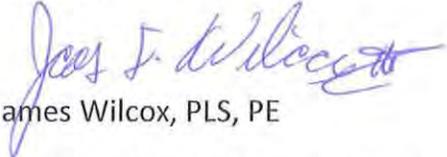
Because of the size of the pump station, Massachusetts Department of Environmental Protection regulations will require the DPW to make a daily maintenance check of the pump station. DPW will need unobstructed access to the wet well, control building and generator to perform these daily checks. DPW pump station specifications require that all controls for both the pump station and generator lie above ground in order not to trigger confined space entry safety protocols.

The proposed wood enclosure for the above ground pump station components has been reviewed by DPW to ensure that it provides access for daily checks while having a roof that can be disassembled for major maintenance activities. DPW has been working with the Applicant on the maintenance of the wood enclosure and we are confident that an agreement will be reached to keep this structure in good condition.

A thorough review of the pump station design and inspection of construction will be performed by the DPW to ensure that the pump station meets all standards.

Please feel free to contact me with any questions or concerns related to the comments provided above.

Sincerely,

A handwritten signature in blue ink that reads "James J. Wilcox". The signature is fluid and cursive, with a long horizontal stroke at the end.

James Wilcox, PLS, PE

Director of Engineering Services