

**135 Keyes Road
Concord, MA 01742**



DATE: February 21, 2024

MEMORANDUM

TO: Elizabeth Hughes, Town Planner
FROM: Jeff Murawski, Water & Sewer Superintendent
PREPARED BY: Giovanni Caceres, Public Works Engineer - Water Systems
SUBJECT: 292-294 Baker Ave. NOVO Commons - Comprehensive Review

The Water & Sewer Division (Division) has reviewed the revised “**NOVO Riverside Commons 292-294 Baker Avenue in Concord, Massachusetts**” plans (Revision #2, dated December 18, 2023), which were revised and re-submitted for the Comprehensive Permit Application of August 21, 2023. Based on the level of detail provided, the Division has identified the following issues and concerns that should be addressed as part of the Comprehensive Permit process:

1. Water Design:

- a. The applicant shall submit a water service design conforming to the Division’s Water System Design and Construction Standards.
- b. The applicant shall provide to the Division proof that legal rights have been secured by the Applicant in order to connect water services (both domestic & fire) for the Project development, to the existing privately owned and maintained water infrastructure within the #300 Baker Ave. campus property (Map 9E, Block 3794, Lot 1).
- c. The applicant shall provide for the Division’s review, proof (with supporting documentation) that the existing privately-owned water infrastructure has suitable hydraulic capacity to support the flow demand to the subject Project development building structures, #292 Baker Ave. & #294 Baker Ave.

2. Sewer Design:

- a. The applicant shall submit a design conforming to the Division’s Sewer System Design and Construction Standards.
- b. The applicant shall provide to the Division proof that legal rights have been secured by the Applicant in order to discharge the proposed sewage flow from the Project development to privately owned and maintained sewer infrastructure within the #300 Baker Ave. campus property (Map 9E, Block 3794, Lot 1).

- c. The applicant shall provide for the Division's review, proof (with supporting documentation) that the existing privately-owned sewer infrastructure has acceptable structural integrity, and has the appropriate size and slope to provide the proposed sewer capacity to the subject Project development building structures, #292 Baker Ave. & #294 Baker Ave.
- d. Based on the significant volume of wastewater flow anticipated from this development, the applicant shall prepare and submit to the Division an engineering evaluation of public and private sewer infrastructure that is expected to receive the proposed sewage flow from this development. The capacity evaluation shall include consideration of:
 - i. Existing gravity sewer infrastructure;
 - ii. The Assabet Sewer Pumping Station; and
 - iii. The 10-inch force main (from the Assabet Pumping Station, that discharges to the 21-inch V.C. gravity sewer in Main Street).