

April 5, 2024

NEX-2300312.00

Ms. Delia Kaye, Director
Concord Natural Resources Division
141 Keyes Road
Concord, MA 01742

SUBJECT: Notice of Intent
NOVO Riverside
292-294 Baker Avenue
Dewatering and Construction Controls Peer Review

Dear Ms. Kaye:

Greenman-Pedersen, Inc. (GPI) has performed a peer review of the dewatering and construction controls information that has been submitted to the Concord Natural Resources Commission for the proposed NOVO Riverside project at 292-294 Baker Avenue. GPI is in receipt of following documents, which serve as the basis for this review:

- Letter dated March 29, 2024, from Beals and Thomas, Inc. detailing the dewatering and construction controls
- Site Preparation Plan, Sheet C1.2, prepared by Beals and Thomas, Inc.; last revised March 21, 2024

Based on our review we find that overall, the design engineer has provided a well thought out plan. With regards to the specifics of that plan, offer the following comments for your consideration:

1. We recommend identifying 292 and 294 Baker on the plan to correlate the plan with the narrative contained in the letter.
2. The wellpoint system for 294 Baker Avenue encompasses the building and adjacent stormwater and compensatory floodplain storage chamber systems. Based on the “excavations requiring dewatering” hatch shown on the plan at 292 Baker Avenue, the wellpoint system does not encompass Subsurface Stormwater System #1 and the wellpoint dewatering system itself goes through the footprint of that stormwater system. We recommend that the design engineer confirm that the wellpoint system is not needed for the construction of that stormwater system.
3. The wellpoint system discharge related to the dewatering at 292 Baker Avenue as currently shown on the plan suggests that the pumped groundwater will end up in the existing infiltration basin, which we don’t believe is the intent. We also note that Dewatering Note 5 states the locations of the various items are approximate and subject to change. We recommend that prior to construction final plans showing any updates to the current Site Preparation Plan be submitted to the Concord Natural Resources Division and Concord Public Works.
4. We recommend that the design engineer review the support of excavation line in front of 294 Baker Avenue to determine if it should be extended to account for the ramp down to the podium parking.
5. There are “SCB” labels at various locations on the plan. We recommend adding a callout to identify the abbreviation used.
6. We recommend adding an erosion control barrier along the existing wetland behind 294 Baker Avenue given the proximity of the excavation for the compensatory floodplain storage chamber systems to that wetland.

7. We recommend that a copy of the Stormwater Pollution Prevention Plan (SWPPP) as required under the US EPA NPDES Construction General Permit Program be submitted to the Concord Natural Resources Division and Concord Public Works prior to construction. The SWPPP shall include turbidity monitoring in accordance with the NPDES Construction General Permit for any discharges.

Should you have any questions or require additional information, please contact me directly at (603) 374-7912 or by email to djordan@gpinet.com.

Sincerely,

GREENMAN-PEDERSEN, INC.



David R. Jordan, P.E., P.L.S., LEED AP
Vice President
Director of Project Delivery – Land Development

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