



100 GROVE ST. | WORCESTER, MA 01605

May 1, 2023

Grafton Conservation Commission
Grafton Municipal Center
30 Providence Road
Grafton, MA 01519

T 508-856-0321

F 508-856-0357

gravesengineering.com

**Subject: 95 North Street Passive Recreation Park
Stormwater Review**

Dear Conservation Commissioners:

We downloaded the following documents from the Conservation Commission's website:

- Plans entitled 95 North Street Site Improvements, Grafton, Massachusetts dated April 13, 2023, prepared by Ray Dunetz Landscape Architecture, Inc. and Horsely Witten Group for the Town of Grafton. (15 sheets)
- Document entitled Stormwater Management Report, 95 North Street Site Improvements, Grafton, Massachusetts dated April 2023, prepared by Horsely Witten Group, Inc.
- Document entitled 95 North Street Passive Recreation Park Constructed Wetland Operation & Maintenance dated April 2023, prepared by Horsely Witten Group.
- Document entitled Notice of Intent, 95 North Street Site Improvements, Grafton, MA dated April 2023, prepared by Horsely Witten Group.

Graves Engineering, Inc. (GEI) has been requested to review and comment on the plans' and supporting documents' conformance with applicable Town of Grafton "Regulations Governing Stormwater Management", MassDEP Stormwater Handbook and standard engineering practices. GEI was authorized to proceed with this review on April 21, 2023. As part of this review, GEI visited the site on April 28, 2023.

Our comments follow:

Grafton Stormwater Management Regulations

1. GEI has no issues relative to compliance with these regulations.

Hydrology & MassDEP Stormwater Management

2. GEI reviewed the hydrology computations and found them to be in order.
3. Compliance with the MassDEP Stormwater Standards and Stormwater Handbook is reasonable.

General Engineering Comments

4. Although not the subject of this stormwater review, on Sheet L-5.0 the proposed bituminous concrete top course thickness of ½" on the "Bituminous Concrete Pavement Section" is too

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thin and could be subject to breaking. For durability, GEI recommends a minimum thickness of 1" with a preferable thickness of 1-1/4" or 1-1/2".

General Comments

5. GEI did not review the plans for compliance with 310 CMR 10.00, the Massachusetts Wetlands Protection Act Regulations.
6. The first paragraph in Sections 1.0 and 2.0 of the Constructed Wetland Operation & Maintenance plan refers to the City of New Bedford; the typographical errors should be corrected.

We trust this letter addresses your review requirements. Feel free to contact this office if you have any questions or comments.

Very truly yours,
Graves Engineering, Inc.



Jeffrey M. Walsh, P. E.
Principal

cc: Amy Ball, PWS, CWS; Horsley Witten Group, Inc.