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March 21, 2023

Grafton Conservation Commission
Grafton Municipal Center
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Grafton, MA 01519

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gravesengineering.com

**Subject: 118.5 Old Westboro Road Lot A and Lot B & 8 Morgan Drive
Grafton Wetlands Regulations and Stormwater Regulations Review**

Dear Conservation Commissioners:

We received the following documents via e-mail on February 22, 2023:

- Correspondence from EcoTec, Inc. to Grafton Conservation Commission dated February 14, 2023, Re: Notice of Intent (NOI) Filing - Proposed Single-Family Home – Lot A, 118.5 Old Westborough Road, Applicant/Owner: DiVerdi Builders, Inc, with attachments.
- Correspondence from EcoTec, Inc. to Grafton Conservation Commission dated February 14, 2023, Re: Notice of Intent (NOI) Filing - Proposed Single-Family Home – Lot B, 118.5 Old Westborough Road, Applicant/Owner: DiVerdi Builders, Inc, with attachments.
- Correspondence from EcoTec, Inc. to Grafton Conservation Commission dated February 14, 2023, Re: Notice of Intent (NOI) Filing - Proposed Driveway and Stormwater Basins – 8 Morgan Drive, Applicant/Owner: DiVerdi Builders, Inc, with attachments.
- Plans entitled Proposed Lot Development Plan in Grafton, Massachusetts, “Lot A” – 118 1/2 Old Westboro Road dated January 20, 2023, prepared by Quinn Engineering, Inc. for Diveri (sic) Builders, Inc. (4 sheets)
- Plans entitled Proposed Lot Development Plan in Grafton, Massachusetts, “Lot B” – 118 1/2 Old Westboro Road dated January 20, 2023, prepared by Quinn Engineering, Inc. for Diveri (sic) Builders, Inc. (4 sheets)
- Plans entitled Proposed Lot Development Plan in Grafton, Massachusetts, #8 Morgan Drive dated January 20, 2023, prepared by Quinn Engineering, Inc. for Diveri (sic) Builders, Inc. (3 sheets)
- Document entitled Stormwater Report, Project: #118.5 Old Westboro Road (“Lot A” and “Lot B”) & #8 Morgan Drive, Grafton, MA dated January 20, 2023, prepared by Quinn Engineering, Inc.

Graves Engineering, Inc. (GEI) has been requested to review and comment on the plans' and supporting documents' conformance with applicable Town of Grafton “Regulations for the Administration of the Wetlands Bylaw”, Town of Grafton “Regulations Governing Stormwater Management”, MassDEP Stormwater Handbook and standard engineering practices. GEI was authorized to proceed with this review on March 3, 2023.

Our comments follow:

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Regulations for the Administration of the Wetlands Bylaw

1. The Lot A plans need to include elevation labels for the existing contours near the southwestern corner of the site. Additionally, the Lot B plans need to include elevation labels for the existing contours on the eastern portion of the site. (§V.B.3.c)
2. The Lot B plans need to include the material of the proposed twin six-inch outlet culvert pipes. (§V.B.4.d)

Grafton Stormwater Management Regulations

3. The Stormwater Report needs to demonstrate compliance with the Total Phosphorus (TP) removal requirements. (§6.B.4)
4. GEI has no issue with the Lot A, Lot B, and 8 Morgan Drive plans showing the topographic contours as two-foot intervals, but defers to the Conservation Commission if the topographic contours need to be shown at one-foot intervals. (§7.B.1.h)
5. The Pre-Development Catchment Plan depicts Subcatchment 6S and Pond 2P in the southeastern corner of the project site. The routing diagram and hydrology calculations need to include this subcatchment and pond for comparison to the post-development conditions. (§7.B.1.o)
6. The Lot A, Lot B, and 8 Morgan Drive plans need to include the estimated total area and total volume of disturbed area. (§7.B.2.g)
7. The check dam sections of the O&M Plans on Sheet 4 of the Lot A plans, on Sheet 4 of the Lot B plans, and Sheet 3 of the 8 Morgan Drive plans need to define what a “significant rainfall event” is— a rainfall amount should be provided. (§7.B.3.g)
8. The installation, maintenance, and repairs records need to be maintained for five years. Currently, Stormwater BMP Long Term Operation and Maintenance (O&M) Plan Note 2(A) on Sheet 4 of the Lot A plans, on Sheet 4 of the Lot B plans, and on Sheet 3 of the 8 Morgan Drive plans indicate records will be maintained for three years. (§7.B.3.i)

Hydrology & MassDEP Stormwater Management

9. GEI reviewed the hydrology computations and found them to be in order.
10. The Standard 10 section of the Stormwater Checklist indicates that an Illicit Discharge Statement was included, however GEI did not receive a copy of the Stormwater Report with the statement.

General Engineering Comments

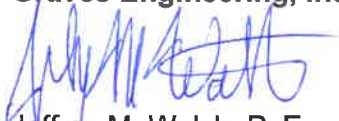
11. GEI has no issues.

General Comments

12. GEI did not review the plans for compliance with 310 CMR 10.00, the Massachusetts Wetlands Protection Act Regulations.

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: Scott Jordan; EcoTec, Inc.