

June 27, 2024

Town of Franklin Conservation Commission
ATTN: Breeka Li Goodlander
355 E. Central Street
Franklin, MA 02038



Re: Tri-County Reginal Vocational Technical High School
147 Pond Street

SCI#: 52033.00

Functions and Characteristics Statement

Dear Ms. Goodlander:

As part of our Notice of Intent resubmission, we are respectfully submitting this function and characteristics statement as part of our waiver request for the Franklin Conservation Commission in accordance with Section 7.10 of the Franklin Wetlands Protection By-Law Rules and Regulations:

Based on the on-site resource areas noted within the Wetlands Protection By-Law, which includes the 25' No disturbance from the affected resource area, 25'-50' foot No Build buffer zone, and 50'-100' buffer zone, the design team is constrained in siting the Tri-County Regional Vocational Technical High School project within the 60.5-acre parcel, while keeping the existing school in operation as the new school and proposed site features are constructed. In addition to constructing a compact three-story, rectangular design fitting into the available buildable area into the sloping behind of the existing school, we have attempted to configure the site layout, grading, stormwater design to the greatest extent possible to comply with the applicable rules and regulations within jurisdiction of the Commission. In short, there have been many site layout design iterations during the design phase that have attempted to balance site and constraints code (including limiting resource area impact) to provide a functioning new school development.

- **Public Water Supplies** – Based on our research, our office has determined that the project site is >2,000' away from the closest boundary to any public wellhead protection district. Specifically, the closest boundary would be a Zone II well protection area. The project will have no impact on public water supplies.
- **Private Water Supplies** – Based on our research all surrounding developed parcels are serviced by town water. It is assumed no private potable water wells are in the immediate surrounding areas. Furthermore, the proposed work would have not impact on private wells.
- **Groundwater** – On-site soil testing results has been provided under separate cover as required to demonstrate compliance with the Massachusetts Stormwater Management regulations, as well as the Town of Franklin Stormwater bylaw for the proposed stormwater management design on the property. Groundwater fluctuates throughout the project due to the presence of glacial till. The proposed stormwater management design is currently under review by the Town as part of the Notice of Intent process.

Impacts to groundwater are anticipated in the area of the existing solar field due to mass grading associated with subgrade preparation for the proposed building. We anticipate cuts on the norther side of the solar field (i.e. proposed building site) to temporarily impact groundwater levels. An extensive underdrainage design will be implemented as part of the building construction. Additionally pavement underdrains are provided to capture additional groundwater as a result anticipated changes. All groundwater will be captured and routed to underground detention/infiltration systems. We anticipate no adverse groundwater impacts as a result of the construction throughout the site.

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- Flood control – No portion of the site is within the 100-year flood plain.
- Erosion and sedimentation – Extensive information and design for Erosion and sediment control throughout the property through construction, as well as post-construction. The following items as submitted contain the appropriate information:
 - Proposed Notice of Intent Plan Set – Includes site plans and details containing methods of proposed erosion and sediment control.
 - Proposed Notice of Intent Narrative – Includes descriptions of the methodology and materials/installation practices used to provide erosion and sediment control.
 - Stormwater Pollution Prevention Plan – Provides additional information on the methodology and materials/installation practices used to provide erosion and sediment control both during and after construction is complete.
- Stormwater Damage Prevention – The proposed stormwater management design is under review and the final design will be in compliance with the Massachusetts Stormwater regulations, as well as the Town of Franklin Stormwater bylaw. Stormwater damage generated by the proposed project is not anticipated and all on-site resource areas, as well as adjacent properties will be protected from stormwater damage throughout construction and following completion of the project.
- Water Quality. The proposed stormwater management design is under review and the final stormwater quality design will be in compliance with the Massachusetts Stormwater regulations, as well as the Town of Franklin Stormwater bylaw.
- Water Pollution Control –
 - Proposed Notice of Intent Plan Set – Includes site plans and details containing methods of water pollution control, including long term operation and maintenance plans.
 - Proposed Operation and Maintenance Plans – Includes maintenance requirements and schedule for long-term maintenance of devices for water pollution control.
 - Stormwater Pollution Prevention Plan – Provides additional information on the methodology and materials/installation practices used to control stormwater both during and after construction is complete.
- Fisheries – N/A
- Shellfish – N/A
- Wildlife Habitat – Currently no documented wildlife habitats are present on the property. Determination based on review of applicable documents.
- Rare species Habitat – Currently no documented rare species habitats are present on the property. It should be noted that a significant area of a delineated local jurisdictional resource area is being preserved adjacent to the school. As part of the Order of Resource Area Delineation (ORAD), the project proponents agreed to perform an on-site vernal pool assessment during construction. Should that resource area be determined to be a vernal pool, it will be properly documented and filed with MassDEP. Additionally, a salamander crossing (and associated signage) is proposed to be installed from the preserved resource area under the driveway for safe travel for any rare species should may occupy the resource area at any time.
- Agriculture – No agriculture is present on the subject property as it is an existing school.
- Aquaculture – N/A
- Recreation – As this property operates as an existing school and will continue to do so as part of the proposed development. Several recreational facilities are proposed throughout the property including: baseball, softball, and multiple athletic fields.

If you have any questions regarding this report or other issues, Stephen Powers, PE can be reached at 508-877-6688.

Sincerely,
Stephen Powers