

**EARTH REMOVAL STORMWATER ADVISORY COMMITTEE
TUESDAY, SEPTEMBER 17, 2019, 7:00 PM
MINUTES**

Chairman Perkins called the meeting to order at 7:00 PM at the Town Hall

Members present: Edward Perkins, George Barringer, Bob Hanninen, and Eileen McHugh
Member absent: Tom Delaney

PUBLIC HEARING – GROTON SCHOOL

In accordance with the provisions of Chapter 198 of the Code of Groton, the Earth Removal Stormwater Advisory Committee held a public hearing to consider the application for a Limited Stormwater Management Permit submitted by Groton School to construct eight units of faculty housing in two buildings and two garage buildings as shown on the plan entitled, "Groton School Faculty Houses," prepared by Samiotes Consultants, Inc., dated August 9, 2019. The proposed housing and garages will be located on the Groton School Campus, 282 Farmers Row, Assessors' Map 219, Parcel 9, on the westerly side of Farmers Row.

Chairman Perkins called the public hearing to order by reading the legal notice published in the August 30, 2019 issue of the *Groton Herald*. Attorney Robert Collins represented Groton School at the public hearing.

Mr. Collins described the proposed plan to construct two new buildings, each with four units of faculty housing in the area that once was the Gardner Mansion. A circular green will be constructed with a subsurface stormwater infiltration system underneath the grass. No additional impervious area will be installed. The project is internal to the Groton School campus and will have no impact on abutters.

Chairman Perkins asked about access for maintenance of the stormwater system. Mr. Collins said there would be manholes for clean outs in multiple locations.

Member Barringer asked if roof drains would be installed. Mr. Collins said, "yes."

Member McHugh asked if Groton School is on the municipal sewer system. Mr. Collins said the school has its own waste water treatment plant near the boathouse. It is under the jurisdiction of MassDEP.

The motion was made by Hanninen, seconded by McHugh, to close the public hearing. The motion passed unanimously.

The motion was made by Hanninen, seconded by McHugh, to grant the Limited Stormwater Management Permit with the following findings and conditions:

Finding of Significance

The Earth Removal Advisory Committee determined that the proposed project is significant to the interests stated in Chapter 198, Section 1 Purposes, including:

It has been determined that proper management of construction sites and post-development stormwater runoff will prevent damage to public and private property and infrastructure, safeguard the public health, safety, environment and general welfare, protect water and aquatic resources, promote groundwater recharge to protect surface and groundwater drinking supplies, and encourage the appropriate use of the land throughout the Town.

Special conditions:

At its regular meeting on September 17, 2019, the Earth Removal-Stormwater Advisory Committee voted to grant the permit with the following conditions:

1. Construction shall be done in accordance with the above-referenced plans.
2. The construction entrance shall be stabilized for a minimum distance of 50 ft as shown on the "Construction Entrance" detail from the "Massachusetts Erosion and Sediment Control Guidelines for Urban and Suburban Areas." The crushed stone shall be replenished as needed to prevent tracking sediment on the public way.
3. All work shall be done in compliance with the "Massachusetts Department of Environmental Protection - Stormwater Management, Volume One: Stormwater Policy Handbook, and Volume Two: Stormwater Technical Handbook," dated February 2008.
4. It is the applicant's responsibility to prevent the products of erosion and sedimentation from reaching Shirley Road and causing a safety hazard on the public way. There shall be no net increase in runoff or erosion to the public ways, the municipal storm drain system, or abutting properties.
5. Work shall not go beyond the limits of disturbance shown on the above-referenced plan. The stakes shall be maintained throughout construction to prevent any disturbance to the vegetation or topography beyond the limits of disturbance.
6. All disturbed areas and stockpiles must be properly stabilized. A supply of erosion control material shall be kept on site to stabilize disturbed areas.
7. The applicant shall take effective measures to control dust and windblown erosion at all times.
8. The applicant must submit any proposed change in the above referenced plans to the Earth Removal-Stormwater Advisory Committee for its review and approval before the change is implemented.
9. The removal of any excess earth material from the site requires a Certificate of Exemption from the Earth Removal By-law, Chapter 134 of the Code of the Town of Groton. Chapter 134, Section 10 Exemptions.

10. The applicant is responsible for obtaining any other permits (including but not limited to) those required by the Board of Selectmen, Board of Health, Conservation Commission, Building Inspector, DPW Director, Planning Board and Zoning Board of Appeals.
11. It is the applicant's responsibility to ensure that the contents of this permit are made known to all contractors who perform work at this site.
12. It is the applicant's responsibility to contact Dig Safe prior to the commencement of any work at the site. The applicant is responsible for obtaining a trench permit, if required by G.L. c. 82A §1 and 520 CMR 7.00 et seq (as amended).
13. The applicant will notify the Earth Removal Stormwater Inspector at least 48 hours prior to the commencement of construction. Erosion control measures shall be in place prior to the 48-hour notice to the Stormwater Inspector.
14. If the project is not completed within three (3) years from the date the permit is issued, it is the responsibility of the applicant to request an extension. The Committee may grant extensions for additional time provided that the applicant submits a written request for renewal no later than 30 days prior to expiration of the permit.
15. This permit runs with the land and applies to any successor in interest or successor in control.

The motion passed unanimously.

PUBLIC HEARING (con't) – VILLAGE MEADOWS, 372 TOWNSEND ROAD

Chairman Perkins called the continuation of the public hearing to order to consider the Village Meadow subdivision at 372 Townsend Road. Design engineer Frank McPartlan of Ducharme and Dillis was present.

Mr. McPartlan described recent revisions to the plan including a change in lot lines after new soil testing for sewage disposal systems. The revised plan results in less disturbance to the site. There are no changes to impervious areas to drainage patterns.

Member McHugh asked about the construction sequence. Mr. McPartlan said it is on the Erosions Control Plan. She asked if Ducharme and Dillis would monitor construction. Mr. McPartlan said if it is in the contract.

Member Barringer asked if the 4 ft high berm around the basin could be more asymmetric. Mr. McPartlan said it would be closer to the property line.

Stormwater Inspector Michelle Collette read the email message dated August 30, 2019 from Jared Gentilucci with a suggested condition regarding installation and maintenance of the subsurface stormwater system.

Member Barringer asked if the stormwater system and basin meet the required two-foot offset from groundwater. Mr. McPartlan said, “yes, and there is a significant depth of gravel at the basin.”

The motion was made by McHugh, seconded by Hanninen, to close the public hearing. The motion passed unanimously.

The motion was made by McHugh, seconded by Hanninen, to grant the Full Stormwater Management Permit with the following findings, waivers, and conditions:

Finding of Significance

The Earth Removal Stormwater Advisory Committee determined that the proposed project is significant to the interests stated in Chapter 198, Section 1 Purposes, including:

It has been determined that proper management of construction sites and post-development stormwater runoff will prevent damage to public and private property and infrastructure, safeguard the public health, safety, environment and general welfare, protect water and aquatic resources, promote groundwater recharge to protect surface and groundwater drinking supplies, and encourage the appropriate use of the land throughout the Town.

Waivers:

The Committee voted to grant the following waivers of the Stormwater Regulations:

- Section 352-11C(10) to allow the underground recharge from roadway surfaces

Special conditions:

At its regular meeting on September 17, 2019 the Earth Removal-Stormwater Advisory Committee voted to grant the permit with the following conditions:

1. The applicant agreed to grant a “Stormwater Management Easement” to the Town to allow the Town and its agents to access to the stormwater management system to maintain, or repair the system due to the failure of the developer or condominium association or any agent thereof to adequately operate, maintain, or repair the same. The developer or condominium association or any agent thereof shall be required to reimburse the Town for any expenses the Town incurs in such operations, maintenance or repair. The final easement shall be reviewed and approved by Town Counsel prior to execution by the Town.
2. This stormwater permit shall not be in effect until the Stormwater Management Easement is recorded at the Middlesex South Registry of Deeds. As required in GL Chapter 40A, Section 11, and Groton Zoning By-Law Section 218-32.1. No construction or site alteration shall commence until evidence of such recording is submitted to the Earth Removal Stormwater Advisory Committee by the applicant.
3. After excavation and prior to the installation of the infiltration basin, underground recharge system and associated components (stone, fabric, etc.), subgrade conditions shall be inspected by the design engineer and a representative from the Town of Groton to confirm they are consistent with the previous findings, calculations, and approved drawings. Items to be inspected and confirmed include soil texture of the subgrade material and seasonal high groundwater elevations. The results of the inspection shall be submitted by the design engineer to the Earth Removal Stormwater Advisory

Committee for record. If the results of the inspection are not consistent with the previous findings, the design engineer shall make the appropriate adjustments to the system and submit the revised design drawings and calculations to the Earth Removal Stormwater Advisory Committee for review.

4. When the infiltration basin is constructed, the 18" of loamy sand soils shall be removed so the infiltration is in the sand and gravel soils. As recommended by Nitsch Engineering and shown on the Soil Erosion and Sediment Control Plan (Sheet C1.1), the designated recharge areas be protected from compaction of soils during and after construction.
5. The infiltration basin shall be inspected weekly by the applicant's engineer and cleaned weekly, if necessary.
6. Construction shall be done in accordance with the above-referenced plans and construction sequencing.
7. The construction entrance shall be stabilized for a minimum distance of 50 ft as shown on the "Construction Entrance" detail from the "Massachusetts Erosion and Sediment Control Guidelines for Urban and Suburban Areas." The crushed stone shall be replenished as needed to prevent tracking sediment on the public way.
8. All work shall be done in compliance with the "Massachusetts Department of Environmental Protection - Stormwater Management, Volume One: Stormwater Policy Handbook, and Volume Two: Stormwater Technical Handbook," dated February 2008.
9. It is the applicant's responsibility to prevent the products of erosion and sedimentation from reaching Townsend Road and causing a safety hazard on the public way. There shall be no net increase in runoff or erosion to the public ways, the municipal storm drain system, or abutting properties.
10. The limits of disturbance shown on the plan shall be well delineated in the field with erosion control barriers in the locations shown on the above-referenced plan. The limit of work not delineated by erosion control barriers shall be delineated with yellow flagging to prevent disturbance. These barriers and flagging shall be maintained throughout construction to prevent any disturbance to the vegetation or topography beyond the limits of disturbance. All disturbed areas and stockpiles must be properly stabilized. A supply of erosion control materials shall be kept on site to stabilize disturbed areas.
11. During construction, no slope shall be any steeper than 2:1, including any open cellar holes, to prevent any potential public safety hazard. All excavations are to be done according to the latest version of the U.S. Department of Labor, Occupational Safety and Health Administration, 29 CFR 1926, Safety and Health Regulations for Construction, Subpart P – Excavations.
12. Catch basins shall be protected with erosion control barriers and siltation sacks during construction to prevent the basins from becoming clogged with sand and silt.
13. The applicant shall take effective measures to control dust and windblown erosion at all times. All topsoil shall be stockpiled on the site. Erosion control barriers shall be installed around the base of the stockpile. The stockpiles shall be seeded to prevent dust and wind-blown erosion.

14. The applicant shall comply with the Construction Sequencing Plan detailed on Sheet C1.1 of the definitive plan, the SWPPP, and the NPDES Construction General Permit. The applicant shall keep a log of spring and fall maintenance activities.
15. The applicant shall comply with the Operation and Maintenance Plan entitled, "Stormwater Maintenance Manual for Village Meadows, 372 Townsend Road in Groton, Massachusetts," The applicant shall keep a log of spring and fall maintenance activities. The Operation and Maintenance plan shall comply with Section 352-22.
16. After a project is issued a Certificate of Completion, the Responsible Party or Owner, as listed in the Long-Term Operation and Maintenance Plan, shall submit annual BMP Inspection and Maintenance logs to the Committee and if applicable an updated Long-Term Operation and Maintenance Plan on or before June 1st annually^{as} required in Section 352-6D.
17. The applicant must submit any proposed change in the above referenced plans to the Earth Removal-Stormwater Advisory Committee for its review and approval before the change is implemented.
18. As represented by the design engineer at the public hearing, there shall be no removal of any excess earth material from the site.
19. The applicant is responsible for obtaining any other permits (including but not limited to) those required by the Board of Selectmen, Board of Health, Conservation Commission, Building Commissioner, DPW Director, Planning Board and Zoning Board of Appeals.
20. It is the applicant's responsibility to ensure that the contents of this permit are made known to all contractors who perform work at this site.
21. It is the applicant's responsibility to contact Dig Safe prior to the commencement of any work at the site. The applicant is responsible for obtaining a trench permit, if required by G.L. c. 82A §1 and 520 CMR 7.00 et seq (as amended).
22. The applicant shall submit to the Stormwater Advisory Committee a copy of the final version of the approved definitive plan.
23. The applicant will notify the Earth Removal Stormwater Inspector at least 48 hours prior to the commencement of construction. Erosion control measures shall be in place prior to the 48-hour notice to the Stormwater Inspector. Additionally, the applicant will provide the Earth Removal Stormwater Inspector with emergency contact information for all site contractors.
24. The applicant or the applicant's consultant shall submit, at least every two weeks in which construction activity occurs on site and for as long thereafter as the ground remains unstabilized, a report to the Committee's review, certifying that, to the best of his or her knowledge and belief, based on a careful site inspection, all work is being performed in compliance with the plan and these conditions.
25. If the project is not completed within three (3) years from the date the permit is issued, it is the responsibility of the applicant to request an extension. The Committee may grant extensions for additional time provided that the applicant submits a written request for renewal no later than 30 days prior to expiration of the permit.

26. The applicant is required to obtain a Certificate of Completion as required in Section 352-5A Project Completion which states:

“When the construction of a project is completed, the applicant shall request that the Committee conduct a final inspection. For full stormwater management permits, the applicant must submit a statement from a registered professional engineer certifying that the project was completed in accordance with the approved plans and construction conditions of the permit. The applicant shall also submit an on-the-ground surveyed as-built plan prepared by a professional land surveyor. The Committee shall determine whether the project complies with the approved plans, construction conditions of the permit, and Chapter 198, Stormwater Management. If completion is satisfactory, the Committee shall issue a Certificate of Completion. “

27. This permit runs with the land and applies to any successor in interest or successor in control.

The motion passed unanimously.

PUBLIC HEARING (con't) – SIVA TEMPLE, 584 MAIN STREET

Chairman Perkins called the continuation of the public hearing to consider the application for a Full Stormwater Management Permit submitted by Paravati Parameswara Temple, Inc. for demolition of two existing residential structures and construction of a new 4686 SF Place of Assembly (serving 90 people) and a 2000 SF residence, parking lot, and drainage system as shown on the plan entitled, Paravati Parameswara Temple, 546 Main Street, Groton, MA,” prepared by Ducharme & Dillis Civil Design Group, dated July 24, 2019.

Design engineer Frank McPartlan of Ducharme and Dillis was present and requested a continuation of the public hearing.

The motion was made by Barringer, seconded by McHugh, to continue the public hearing on October 1, 2019 at 7:00 PM. The motion passed unanimously.

Meeting adjourned at 8:00 PM

Respectfully submitted,

Michelle Collette
Earth Removal Stormwater Inspector