

**EARTH REMOVAL STORMWATER ADVISORY COMMITTEE
TUESDAY, DECEMBER 6, 2016, 7:00 PM
MINUTES**

Chairman Edward Perkins called the meeting to order at 7:00 PM in the Groton Electric Light Department (GELD) office building

Members present: Perkins, Capes, Delaney, and Hanninen

Member absent: McHugh

PUBLIC HEARING – INDIAN HILL MUSIC STORMWATER PERMIT

The Earth Removal Stormwater Advisory Committee held the continuation of the public hearing to consider the application submitted by Indian Hill Music for a Full Stormwater Management Permit for Phase 2 construction as shown on the plan entitled, “Plans to Accompany Permit Applications for the Music Center at Indian Hill – Phase 2, Old Ayer Road, Groton, Massachusetts” prepared by Beals Associates, Inc., dated September 14, 2016. The proposed music center will be located at 122 Old Ayer Road, Assessors’ Map 222, Parcel 55, on the westerly side of Old Ayer Road.

Susan Randazzo and Lisa Fiorentino of Indian Hill Music, Project Manager Gary Shepherd, design engineers Todd Morey and Deven Howe of Beals Associates were present.

The Committee reviewed the report dated December 2, 2016 from Nitsch Engineering. The only outstanding issue was screening or fencing around the open pond (wet basin) near the intersection of Old Ayer Road and Peabody Street.

Mr. Morey said he did not believe and fence was needed and requested that the Committee allow the landscape architect provide an appropriate landscape plan to address Nitsch Engineering’s concerns. The Committee agreed that the permit could include a condition requiring a landscape plan to address safety concerns about the open pond.

The Committee reviewed the stormwater permit draft conditions.

Mr. Shepherd requested that the permit be valid for more than two years because the project will take longer than two years. The Committee said the two-year expiration is contained in Chapter 198 Stormwater Management. The applicant can request extensions for as needed.

The Committee voted unanimously to close the public hearing.

The motion was made by Hanninen, seconded by Delaney, to grant a Full Stormwater Management Permit to Indian Hill Music with the following findings and conditions:

Findings 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.

Special conditions:

The Committee granted the Stormwater Management Permit with the following conditions:

1. The plans shall be revised to incorporate the applicable recommendations contained in the Nitsch Engineering report dated December 2, 2016. The final, "control plan" shall be submitted to the Earth Removal Stormwater Advisory Committee prior to the commencement of construction.
2. Construction shall be done in accordance with the above-referenced final control plans "Plans to Accompany Permit Applications for the Music Center at Indian Hill – Phase 2, Old Ayer Road, Groton, Massachusetts" prepared by Beals Associates, Inc.
3. 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. Orange safety fencing shall be installed along the both sides of the entire length of the construction entrance.
4. The only construction entrance will be on Old Ayer Road as shown on the plan. Construction vehicles shall not access the site from Peabody Street.
5. 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.
6. It is the applicant's responsibility to prevent the products of erosion and sedimentation from reaching Old Ayer Road or Peabody Street and causing a safety hazard on the public way. There shall be no net increase in the rate of runoff or erosion to the public ways, the municipal storm drain system, or abutting properties.
7. The limits of disturbance shown on the plan shall be well delineated in the field in the locations shown on the site 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.
8. All disturbed areas and stockpiles must be properly stabilized. A supply of erosion control materials shall be kept on site to stabilize disturbed areas.
9. During construction, no slope shall be any steeper than 2:1, including any open holes, to prevent any potential public safety hazard. All excavations are to be done in accordance with 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.
10. 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.

11. 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.
12. The applicant shall comply with the Construction Sequencing Plan as detailed on Sheets C-0.1, C-2.4 and C-2.5 of the approved plan, the SWPPP, and the NPDES Construction General Permit.
13. The subsurface basin and wet basin bottoms will be below ground water elevations during some periods of the year. The applicant shall monitor base flow through the outlet control structure to confirm that the base flow is low enough to not compromise outlet control structure function and that it is high enough to maintain water level within the basin during summer months.
14. The Committee understands that the wet basins are designed to hold standing water and that the static volume of the basin is sufficient to hold the water quality volume during periods the basin is dry. If the wet basin does not maintain a permanent pool for at least 10 months of the year for the first two years, the applicant shall select an alternate Best Management Practice (BMP) for this location that will provide the required water quality treatment. The applicant shall submit a plan for the alternate BMP to the Committee for its review and approval.
15. The applicant shall monitor the basin for pests to confirm the intended base flow will prevent the establishment of common pests.
16. The Committee understands the applicant's concern regarding a fence; however, safety is a legitimate concern with man-made wet basins. The applicant shall work with its landscape architect on an appropriate design solution to address this concern.
17. The applicant shall comply with the Operation and Maintenance Plan entitled, "Stormwater Report Appendix H Operation and Maintenance Plan." The applicant shall keep a log of spring and fall maintenance activities. The Operation and Maintenance plan shall comply with Section 352-22.
18. The Town's consulting engineer and/or Stormwater Inspector shall conduct the following observations. The applicant shall reimburse the Town for the cost of the consulting engineer's observations.

DURING CONSTRUCTION

Wet Basin

- *Completed excavation to subgrade (to confirm soil conditions including groundwater).*
- *Completed basin with vegetation established (to confirm installed per plan).*

Stormceptor Water Quality Units and Catch Basins

- *Completed installation (to confirm structure is installed per plan).*
- *As-Built review (to confirm watershed and unit size).*

Bioretention Basins

- Completed excavation to subgrade.
- Completed placement of soil media.
- Completed basin with vegetation established.

POST CONSTRUCTION

Wet Basin

For two (2) years after completion of the project:

May: Observe base flow at the Outlet Control Structure to confirm design intent (Engineer Observation)

At this visit, confirm the fore-bay has been maintained.

August: Observe base flow at the Outlet Control Structure to confirm design intent (Engineer Observation)

At this visit, confirm the fore-bay has been maintained.

Monthly: Confirm permanent pool of water within basin (Photo documentation)

Monthly: Confirm pests are not an issue (non-Engineer Observation)

Stormceptor Water Quality Units and Catch Basins

For two (2) years after construction completion of the project:

Twice a year (may coincide with Wet Basin observations) check accumulated sediment. Sumps should be less than half full.

Bioretention Basins

After the basins have been installed for over one (year), observe the basin 3-4 days after a rain event with an accumulation greater than 0.5" to confirm the basins do not have standing water.

For two (2) years after construction completion of the project:

Twice a year (may coincide with Wet Basin observations) check accumulated sediment. Accumulated sediment should be removed and indicates additional pretreatment may be needed.

19. 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.
20. 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.

21. 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.
22. 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.
23. 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).
24. The applicant will notify the Earth Removal Stormwater Inspector at least 48 hours prior to the commencement of construction. Additionally, the applicant will provide the Earth Removal Stormwater Inspector with emergency contact information for all site contractors.
25. If the project is not completed within two (2) 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:
 - a. "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 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 Stormwater Permit is issued for the project proposed by Indian Hill Music. The permit is non-transferrable and does not apply to successors in interest, successors in control, or beneficial interests.

The motion passed unanimously.

Meeting adjourned at 7:30 PM

Respectfully submitted,

Michelle Collette
Earth Removal Stormwater Inspector