

Town of

P.O. Drawer 519

**Department of Planning &
Inland Wetlands Agency**

*Gary A. Goeschel II, Director of Planning /
Inland Wetlands Agent*



East Lyme

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MEMORANDUM

To: East Lyme Inland Wetlands Agency

From: Gary A. Goeschel II, Director of Planning/Inland Wetlands Agent

Date: August 6, 2020

Re: **Creek Road, Giants Neck Heights Club House, and 21 Marshfield Rd**, Your Brothers Keeper LLC, Agent for Owner for a Permit to conduct regulated activity at Creek Road and 21 Marshfield Rd for the clean out of a culvert entrance and exit to maintain the natural flow of water. East Lyme Assessor's Map 04.7, Lot 18 and 19.

Upon review of the above referenced application, I offer the following comments/recommendations:

1. The proposed removal of onsite invasive is strongly recommended. Phragmites are aggressive colonizers which quickly spread once established on a site. Once established they will spread to the extent that other onsite environmentally beneficial native species will be crowded out. If left unchecked the phragmites has the potential to completely take over the wetlands and adjacent upland areas.
2. The short-term disturbance associated with the removal of the onsite invasive should not create adverse impacts to existing native species provide only the invasive are targeted. As such, removal of vegetation should only target the invasive species and not result in large scale vegetative disturbances or clearing of the site.
3. The proposed activity involves the cutting of phragmites. However, although plastic barriers will be used, dense stands sometimes require the removal of the top 2-feet of soil to remove the fibrous root system. As such, in the event herbicide application is necessary, such application should be performed by a licensed applicator and should follow all Connecticut Department of Energy and Environmental Protection (CT DEEP) guidelines.
4. An erosion and sedimentation plan is need to show how soils will be controlled during the pulling of vegetation. In addition, I recommend a financial guarantee be posted with the Town in an amount acceptable to the Town Engineer and Inland Wetlands Agent, and in a form satisfactory to the Inland Wetlands Agency

5. Considering the area of phragmites to be removed, I recommend a planting plan be provided. Disturbed areas should be revegetated with native shrubs as well as a no-mow seed mixture such as a “New England Conservation/Wildlife” seed mix should be used in disturbed upland areas. As such, I would recommend the following shrubs be planted in disturbed upland areas:

- Arrowwood Viburnum (*Viburnum dentatum*), Elderberry (*Sambucus canadensis*), Highbush Blueberry (*Vaccinium lentago*), Northern Bayberry (*Myrica pennsylvanica*), Redosier Dogwood (*Cornus racemose*), Winterberry (*Ilex verticilla*).

I would recommend the following Herbaceous material be planted in disturbed wetland areas:

- Spike Rush (*Eleocharis palustris*), Blue Flag Iris (*Iris versicolor*), Tussock Sedge (*Carex stricta*), Smooth Cordgrass (*Spartina altereniflora*), Chairmaker’s Bulrush (*Schoenoplectus americanus*), Marsh Blazing Star (*Liatris spicata*), American Beachgrass (*Ammophila breviligulata*), Switchgrass (*Panicum virgatum*), Blackgrass (*Juncus gerardii*), Marsh elder (*Iva annua*), Spikegrass (*Distichlis spicata*), Seaside Golden Rod (*Solidago sempervirens*), Salt hay grass (*Spartina patens*), Perennial Salt Marsh Aster (*Aster tenuifolius*), and Sea Lavender (*Limonium nashi*)
6. A financial guarantee (bond) for the survival of the plantings should be posted with the Town in an amount and form satisfactory to the Inland Wetlands Agency and released upon the plantings reaching a minimum 80% survival rate over two full growing seasons. I recommend the applicant provide an estimate.
7. Post completion, any plantings should be inspected annually for at least 3-yrs and achieve an 80% survival rate after the first two growing seasons. Otherwise, additional plantings should be installed.

PROPOSED MOTION:

Based on the above Findings indicated in the Memorandum from Gary A. Goeschel II, Director of Planning, dated August 6, 2020, the Commission Moves to APPROVE the application known as Creek Road, Giants Neck Heights Club House, and 21 Marshfield Rd, Your Brothers Keeper LLC, Agent for Owner for a Permit to conduct regulated activity at Creek Road and 21 Marshfield Rd for the clean out of a culvert entrance and exit to maintain the natural flow of water. East Lyme Assessor’s Map 04.7, Lot 18 and 19, which is further subject to the following administrative requirements and required modifications to the site plan and other materials submitted in support of this application:

1. An erosion and sedimentation bond in the amount of \$ _____ dollars shall be posted in a form acceptable to the Inland Wetlands Agency and satisfactory to the Inland Wetlands Agent and Town Engineer for the proposed the installation/stabilization of the sedimentation and erosion controls to secure the site.
2. An As-built survey be provided to the Agency upon completion of all proposed site work.
3. The Inland Wetlands Agent shall be contacted 2-days prior to any site work to inspect erosion and sedimentation controls prior to commencing any work.
4. The Inland Wetlands Agent shall be contacted upon completion and stabilization to document the date of planting installation.

5. An erosion and sedimentation control plan shall be provided to the Inland Wetlands Agent and erosion and sedimentation controls shall be installed prior to the start of any work.

The above applicable items shall be accomplished prior to conducting site work. No site work shall commence until all applicable conditions are satisfied.

This approval is specific to the site development plan submitted as the application of Your Brothers Keeper LLC, Agent for **Giants Neck Heights Association Owner**; Application for a Permit to conduct regulated activity at Creek Road and 21 Marshfield Rd for the clean out of a culvert inlet and outlet to maintain the flow of water. East Lyme Assessor's Map 04.7, Lot 18 and 19. Any changes in the site development plan other than those identified herein shall constitute a new application and the modifications of this approval and any change in the development plan layout other than those identified herein shall constitute a new application.

The owner/applicant shall be bound by the provisions of this Application and Approval.

