

Town of Norfolk  
Inland Wetlands Agency  
Norfolk Town Hall  
P.O. Box #552, 19 Maple Ave., 2nd Floor  
Norfolk, CT 06058-0552  
(860) 542-6804 [mhalloranzeo@yahoo.com](mailto:mhalloranzeo@yahoo.com)

June 6, 2023

Kate Briggs Johnson  
Foundation for Norfolk Living  
Box 2  
Norfolk Ct. 06058

Re: Application #23-008  
Permit modification  
Haystack Woods Development

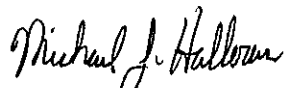
Dear Kate,

Please be advised that at the June 5, 2023 meeting of the Inland Wetlands Agency, your application for blasting and excavation in the upland review area was considered.

After discussion by the Wetland members and review of the partial Site Plan Addendum prepared by Ken Hrica, dated May 30, 2023, it was determined by the Agency the proposed work would not have a significant impact on the surrounding wetlands or watercourses. By unanimous decision, the Wetlands Agency approved the proposed work in the upland area, based on the attached site plan and narrative. Further it was agreed that if any changes are made to the approved site plan, the Wetlands Office shall be notified.

If you have any questions, please contact the Inland Wetlands Office at 860-542-6084.

Sincerely,



Michael J. Halloran  
Inland Wetlands Enforcement Officer, Town of Norfolk

## Mike Halloran

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**From:** Ghatee, Sara <Sara.Ghatee@ct.gov>  
**Sent:** Monday, June 5, 2023 6:10 PM  
**To:** Mike Halloran  
**Cc:** Thomas Fahsbender; hartleymead@comcast.net; Pion, Robert A.; Aresco, Salvatore  
**Subject:** RE: DOT Norfolk 97-95  
**Attachments:** CTDOT\_Controlled\_Blasting\_Special\_Provision\_06-07-19.docx

Good Afternoon Michael,

This is Sara Ghatee from Connecticut Department of Transportation – Soils and Foundation Unit. Thank you very much for reaching out regarding the proposed blasting operation on Old Colony Road in Town of Norfolk.

As you are aware, there are three dry masonry walls adjacent to Route 44 westbound and supporting Old Colony Road and Norfolk Center Cemetery. The stability of these wall has been a concern for the Department and a project has been initiated to replace these walls.

My office is concerned about the adverse impact of the blasting operations and would like to request that controlled blasting methods to be utilized and a monitoring program to be initiated to ensure that the blasting operations will not adversely impact the condition of these wall. I have attached a copy of the Controlled Blasting Special Provision which amends the standard rock excavation item as well as the link to CTDOT Standard Specification Form 818 (please see [here](#)) for your reference. I would like to request that the controlled blasting and monitoring program to be included in the permit request for the proposed blasting operations.

I would appreciate it if you can let me know when would be good time to reach out to your office to discuss this matter.

Please email me at [sara.ghatee@ct.gov](mailto:sara.ghatee@ct.gov) should you have any questions concerning this matter.

Thanks,

**Sara Ghatee, P.E.**

Transportation Engineer III - Soils and Foundations  
Connecticut Department of Transportation | Newington Headquarter  
2800 Berlin Turnpike, Newington, CT 06131  
Phone: (860) 594-2690  
E-mail: [Sara.Ghatee@ct.gov](mailto:Sara.Ghatee@ct.gov)

**From:** Mike Halloran <mhalloran@norfolkct.org>  
**Sent:** Monday, June 5, 2023 3:11 PM  
**To:** Ghatee, Sara <Sara.Ghatee@ct.gov>  
**Cc:** Thomas Fahsbender <tjfahs@earthlink.net>; hartleymead@comcast.net  
**Subject:** RE: DOT Norfolk 97-95

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EXTERNAL EMAIL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Good afternoon Sara, My name is Michael Halloran and my job is Norfolk is Wetlands and Zoning enforcement. Richard Byrne asked that I reach out to you to discuss the proposed blasting at Haystack Woods Development in Norfolk. Wetlands will be reviewing the application this evening to determine whether or not any further permitting is required from wetlands. The Planning and Zoning Commission requires a Special Permit approval for any blasting in town. The Public Hearing for P&Z will open next Tuesday 6/13.

Please contact me with your concerns regarding language in any permitting we will do. You may call me at 860-542-6804 to discuss. I have cc'ed the chairs of both Wetlands and P&Z.

Thank you,  
Michael

**From:** Linda S Perkins Town Clerk <[townclerk@norfolkct.org](mailto:townclerk@norfolkct.org)>

**Sent:** Monday, June 5, 2023 1:15 PM

**To:** Mike Halloran <[mhalloran@norfolkct.org](mailto:mhalloran@norfolkct.org)>

**Subject:** Fw: DOT Norfolk 97-95

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**From:** Ghatee, Sara <[Sara.Ghatee@ct.gov](mailto:Sara.Ghatee@ct.gov)>

**Sent:** Monday, June 5, 2023 9:06 AM

**To:** Linda S Perkins Town Clerk <[Townclerk@norfolkct.org](mailto:Townclerk@norfolkct.org)>

**Cc:** Aresco, Salvatore <[Salvatore.Aresco@ct.gov](mailto:Salvatore.Aresco@ct.gov)>; Pion, Robert A. <[Robert.Pion@ct.gov](mailto:Robert.Pion@ct.gov)>

**Subject:** RE: DOT Norfolk 97-95

Good Morning,

I hope all is well. My name is Sara Ghatee and I work with Connecticut Department of Transportation – Soils and Foundations Unit. My office has been contacted by Mr. Richard Byrnes regarding the proposed blasting operation adjacent to cemetery and concerns regarding the stability of the retaining wall supporting Route 44 and the adverse impact that blasting operations might have on the stability of these walls. As you are aware, the stability of these walls has been a concern and the Department has initiated a project to replace these walls.

In order to address these concerns and ensure the stability of these walls during the blasting operations, my office would like to request some language to be added to the blasting permit and I am wondering if your office will process the permit request or if you can direct us to the town official who is responsible to process this request.

Please email me at [sara.ghatee@ct.gov](mailto:sara.ghatee@ct.gov) should you have any questions concerning this matter.

Thanks,

**Sara Ghatee, P.E.**

Transportation Engineer III - Soils and Foundations

Connecticut Department of Transportation | Newington Headquarter

2800 Berlin Turnpike, Newington, CT 06131

Phone: (860) 594-2690

E-mail: [Sara.Ghatee@ct.gov](mailto:Sara.Ghatee@ct.gov)

**From:** Richard Byrne <[norfolksearch@sbcglobal.net](mailto:norfolksearch@sbcglobal.net)>

**Sent:** Friday, June 2, 2023 5:25 PM

**To:** Aresco, Salvatore <[Salvatore.Aresco@ct.gov](mailto:Salvatore.Aresco@ct.gov)>; Ghatee, Sara <[Sara.Ghatee@ct.gov](mailto:Sara.Ghatee@ct.gov)>

**Subject:** DOT Norfolk 97-95

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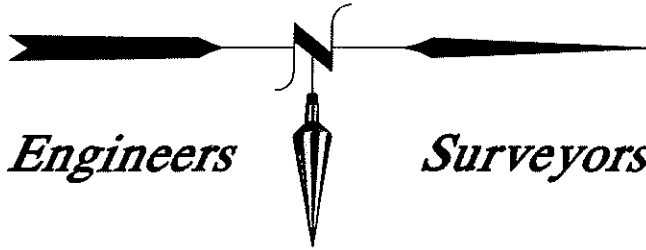
Salvatore & Sara,

I received the attached notice of a hearing concerning a blasting permit. The property requesting the permit is adjacent to the cemetery just to the north. I have concerns with the stabilization of the Retaining wall.

Richard Byrne  
President  
Norfolk Center Cemetery Assoc.  
[norfolksearch@sbcglobal.net](mailto:norfolksearch@sbcglobal.net)

# *Hrica Associates LLC*

Kenneth S. Hrica, PE,RLS  
44 Maple View Trail  
P.O. Box 1861  
Litchfield, Connecticut 06759



860-567-2112 (business)  
860-567-0491 (faximile)  
e-mail:  
hricaassociates@optonline.net

June 01, 2023

Michael Halloran  
Norfolk Planning and Zoning Commission  
Norfolk Town Hall  
19 Maple Street  
Norfolk, CT 06058

Re: Haystack Woods – Bedrock Removal  
Old Colony Road

Please find below a summary of how the Foundation for Norfolk Living will comply with the Town of Norfolk Zoning Regulation Section 6.04 EARTH EXCAVATION, B., C., & D. for the proposed bedrock removal at the northerly end of the building envelope in proximity to units #8 & #9.

## **Section 6.04 Earthwork**

### **B. Permitted Activities**

1. Earth excavation is only permitted in conjunction with an authorized and permitted use or development of property.

**Answer:** The Foundation for Norfolk Living will only perform the earthwork necessary to comply with the approved Site Plan for development of the property.

2. Commercial earth excavation is prohibited.

**Answer:** The Foundation for Norfolk Living will not engage in commercial earth excavation.

3. No earth excavation be conducted within the town of Norfolk except in conformance with Table 6.03-1.

**Answer:** Per Zoning Regulation 5.04 HAYSTACK WOODS OVERLAY ZONE, Earth excavation, removal, and grading shall be permitted as part of the Site Plan application process and no separate Special Permit shall be required under Section 6.04 provided that such earth excavation, removal, and grading shall be:

- bona fide construction in conjunction with site improvements for permitted uses,
- conducted in accordance with Section 6.04.B.1, Section 6.04.B.2, Section 6.04.C, and Section 6.04.D; and
- conducted in accordance with the General Plan of Development.

### C. STANDARDS FOR EARTH EXCAVATION

1.) Proper soil erosion and sedimentation controls in accordance with the *2002 Connecticut Guidelines for Soil, Erosion and Sediment Control*, as amended, shall be planned, designed, installed and maintained at all times.

**Answer:** The Site Plan for Haystack Woods includes a Soil Erosion and Sediment Control Plan and a Soil Erosion and Sediment Control Narrative. The Foundation for Norfolk Living will adhere to the Plan and maintain such control measures at all times during construction.

2. No earth excavation shall take place on weekends or legal holidays or before 8:00 a.m. or after 5:00 p.m. on other days.

**Answer:** The Foundation for Norfolk Living will comply with this requirement.

3. No blasting shall occur on any site unless such activity has been specifically allowed by:  
a. issuance of a Special Permit by the Commission, or  
b. prior authorization of the Zoning Enforcement Officer.

**Answer:** Blasting has become necessary for the implementation of the approved Site Plan. Application to the Planning and Zoning Commission has been made to comply with this requirement.

4. No on-site processing of earth materials shall occur on any site unless such activity has been specifically allowed by:

- a. issuance of a Special Permit by the Commission, or
- b. prior authorization of the Zoning Enforcement Officer.

**Answer:** On-site processing of bedrock materials (rock crushing) is prudent to the construction process for the development of the property. Stone products created by crushing will be used on site to facilitate construction, thus reducing truck traffic off-site.

5. Unless expressly approved by the Commission as part of a Special Permit, no excavation shall be made below pre-existing grade within 150 feet of:

- a. any abutting street, or
- b. any property boundary.

**Answer:** Per Town of Norfolk Zoning Regulation 5.0.4.4, Site Excavation shall be permitted as shown on the Site Grading Plan dated 03/08/19. The rock removal area is necessary to implement site development shown on the approved Site Plan.

6. Anti-tracking pads shall be used in all street access areas.

**Answer:** The Foundation for Norfolk Living will comply with this requirement. Refer to the Soil Erosion and Sediment Control Plan and the Soil Erosion and Sediment Control Narrative for locations and details.

7. No topsoil shall be transported from the property, except that which is required to be excavated from the location of buildings, structures, streets, driveways, sidewalks, terraces, and other impermeable areas on the property in connection with the work to be performed.

**Answer:** The Foundation for Norfolk Living will comply with this requirement. No topsoil removal from the site is necessary to complete the proposed bedrock removal.

8. No slopes in excess of one foot vertical to three feet horizontal shall be created unless the site development plan shows sufficient soil analysis calculations, performed by a professional engineer licensed in the State of Connecticut, confirming an acceptable safety factor for the finished slope.

**Answer:** In order to minimize blasting and material handling of the excavated bedrock, a slope cut of 1:3 is proposed for the rock cut areas only, which will be stable, and not subject to erosion and sediment migration. Final grading with subsoil and topsoil where necessary in the area of bedrock removal will be in conformance with this requirement.

9. Unless otherwise approved by the Commission, no excavation shall be made lower than three feet above ledge or such greater distance above ledge as may be required to permit the re-graded site to meet the final restored grades.

**Answer:** To limit the volume of bedrock removal and crushing, bedrock shall be removed to two feet below final grade, except in utility trenches, and final grade will be restored with free draining subsoil and topped with organic topsoil.

10. No excavation shall be made that would reduce the final ground elevation below flood plain, change the area of the flood plain, or expose groundwater unless after proper analysis it is determined that no pollution or silting of existing water courses, or increased flood or erosion hazards, or other effect on water supply or purity will result and any necessary permits have been issued by the Norfolk Inland Wetlands and Watercourses Agency or the State of Connecticut.

**Answer:** The proposed rock removal area is not in a Flood Plain, nor will excavation of bedrock take place below the groundwater table. The Rock Removal Plan Addendum has been submitted for Permit Modification to the Town of Norfolk Inland Wetland Commission.

11. All vehicles and equipment used in connection with earth excavation shall use noise reduction materials, such as rubber lined truck bodies, muffler systems or other noise abatement mitigating procedures.

**Answer:** The Foundation for Norfolk Living will require its contractors to employ appropriate noise reduction measures.

12.) No equipment for processing of earth materials shall be located within one hundred (100) feet of a property line.

**Answer:** Processing and temporary storage of the bedrock will not be located within 100 feet of any adjacent property lines.

#### **D. REQUIREMENTS FOR RESTORATION**

1. At the conclusion of the work, all disturbed areas, except ponds, shall be covered with whatever topsoil was on the lot before commencement of the work and shall be seeded with a suitable cover crop and grown to an erosion-resistant condition.

**Answer:** The Foundation for Norfolk Living will comply with this requirement per the approved Site Plan.

2. Site restoration shall be compatible with the adjoining properties and surrounding neighborhood.

**Answer:** The Foundation for Norfolk Living will comply with this requirement per the approved Site Plan.

3. Final restored slopes shall be at least three feet horizontal to one foot vertical unless steeper slopes are expressly approved as part of a Special Permit.

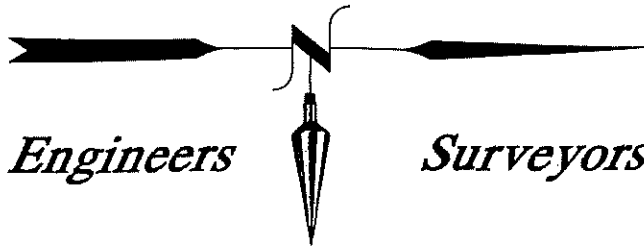
**Answer:** In order to minimize blasting and material handling of the excavated bedrock, a slope cut of 1:3 is proposed for the rock cut areas only, which will be stable, and not subject to erosion and sediment migration. Final grading with subsoil and topsoil where necessary in the area of bedrock removal will be in conformance with this requirement.

In conformance with Approved Site Plan, all other areas on site that exceed one foot vertical to three feet horizontal will be stabilized with mechanical, soil erosion control blankets. Such slopes have been limited to only what is necessary to limit expansive grading areas.



# *Hrica Associates LLC*

Kenneth S. Hrica, PE,RLS  
44 Maple View Trail  
P.O. Box 1861  
Litchfield, Connecticut 06759



860-567-2112 (business)  
860-567-0491 (faximile)

e-mail:  
hricassociates@optonline.net

Norfolk Planning and Zoning Commission  
Town of Norfolk  
19 Maple Ave, P.O. Box 552  
Norfolk, CT 06058

June 02, 2023

RE: Haystack Woods  
Special Permit Application

Attn: Tom Fahsbender, Chairman

Dear Mr. Fahsbender,

The Foundation for Norfolk Living is requesting a Permit Modification for the excavation of bedrock from a portion of the approved Haystack Woods Building Site.

A knob of bedrock was unearthed during the initial excavation phase for the project at the North end of the site, behind buildings #8 and #9, and the area that was previously to be graded at a 3:1 slope with an Erosion Control Blanket, and a reversed bench, midway up the slope.

- Blasting of the bedrock will occur in two phases:

The first phase involves blasting and mass excavation of the bedrock behind the buildings.

The second phase involves blasting and rock removal for utility trenching.

The phases may or may not occur simultaneously, depending on the proximity of the trenches to the mass excavation.

There are four structures in proximity to the rock removal area, The Norfolk Town Garage (500'+/-), the Norfolk Cemetery Association Maintenance Shed (700'+/-) and two residential structures on the south side of Old Colony Road (725'+.) A Pre-blast Survey shall be offered to the landowners of those properties.

- The proposed finished grades of the roadways and living areas are to remain the same as shown on the approved Site Plan.

- Rock will be removed to two feet below finished grade to allow for replacement of subsoil and topsoil, and base material for roadways

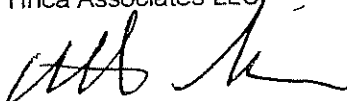
- The rock will be drilled and blasted to create a 1:3 wall face behind the houses, beginning at the same location as the base of the former sloped embankment. This will effectively keep the backyards of the houses the same as approved, while reducing the total amount of material to be removed from site.

- Rock will be stockpiled in the "Center Island" area of the project, outside of the Inland Wetland Regulated area, in the area formerly and currently being used for material stockpiling.

- Equipment for crushing: Tracked Drilling Rig (1 or 2), Excavator & Site Truck.

- Rock crushing will occur on site to process the rock for reuse on site. Material not used on site will be removed from the site by the contractor. There will be no additional truck traffic, besides equipment delivery, associated with the removal and reuse of the material. Reuse of the material, which was formerly slated for removal from the site, will reduced overall truck traffic associated with the project.
- Equipment for blasting and rock excavation: Primary Crusher (jawed), Secondary Crusher (cone), Separator (stone and stone dust), Excavator, & Loader.
- It is estimated that the volume of rock will be approximately 12,000 cubic yards.
- The rock removal process from start to finish is anticipated to be 8 to 12 weeks and is expected to begin as soon as approvals are in place.
- Rock Crushing, which will occur within the 8 to 12 week period, is expected to take 10-12 days.
- Access to the site will be from Old Colony Road, using the newly constructed roadway bed.
- Existing erosion and sediment control measures are to remain in place for the phase of the project.

Sincerely,  
Hrica Associates LLC,



Kenneth S. Hrica PE,LS