

2020-07-20 revising 2020-07-07

Amy L. Eastman

40 Hallie Lane

Special Use Permit

Article XII

Earth Removal and Filling

### Description of the Application

Amy L Eastman is applying for a special use permit pursuant to Article XII Earth Removal and Filling of the Somers Zoning Regulations to excavate rock at the property she owns at 40 Hallie Lane. The proposed work will include breaking up rock ledge of approximately 9,650 yd.<sup>3</sup> and stockpiling of that material on 40 Hallie Lane. The 40 Hallie Lane property will be landscaped with topsoil to create a lawn area.

It is proposed that the excavation of the rock be accomplished by two different means. First, the portion closest to the house of approximately 1,500 yd.<sup>3</sup> will be broken up by drilling 3 inch holes on 3 foot centers, 4 feet deep, and then inserting a hydraulic device that will fracture the rock. The balance of the rock, approximately 8,000 yd.<sup>3</sup>, is proposed to be excavated by blasting. The hydraulic fracturing creates very little noise off-site; the actual breaking of the rock cannot be heard off-site. The blasting is proposed because it can be done far more quickly and the periods of potential noise are minimal. Blasting has proved on the site to be the most expeditious, economical, and least impactful of any method of excavating the rock.

The attached grading plan describes the work to be done. Soil erosion and sedimentation controls are provided and will be properly maintained.

The excavation of the rock, if the combined hydraulic fracturing and blasting processes are used, will take approximately two weeks. If blasting is not permitted, the hydraulic fracturing will take approximately eight to twelve weeks. Regrading of 40 Hallie Lane and stockpiling of the material on 40 Hallie Lane will be done concurrent with the excavation work.

The removal of the excavated material to 42 Hallie Lane is not part of this SUP application. This SUP application is solely to allow the work of excavation to occur. If the subsequent rezoning and second SUP are granted, the excavated material will be removed to an abutting portion of what was 42 Hallie Lane and is merged with 40 Hallie Lane to create a single lot.

- A. Location of area to be excavated or filled and proposed commencement and completion dates.

See grading plan. Expected completion date is December 31, 2020.

- B. A detailed statement of the nature, extent, timing and purpose of the operation.

See above.

- C. Depth of existing topsoil at various locations.

0 inches on exposed ledge, up to 4-6 inches in wooded areas.

- D. Depths to water table before and after the operation.

**TBD.**

- E. Proposed truck routes. Access and egress to and from the property must be at least 100 feet from side and rear lot lines.

The required drilling and hydraulic fracturing equipment is on-site. No earth products are being imported or exported from the site. No trucks will be bringing in or taking out materials, except the blasting will require a truck with supplies to enter the property. Access will be by the existing easement on 42 Hallie Lane or the driveway at 40 Hallie Lane.

- F. Proposed truck circulation within the property.

Within cleared areas as shown on the grading plan

- G. Existing and proposed drainage on the premises.

See grading plan.

- H. Proposed measures for control of runoff, soil erosion and sedimentation.

See grading plan.

- I. Existing topographic contour lines on the premises and proposed final contour lines resulting from the intended excavation, removal or filling, shown on a map, drawn to scale of not more than 40 feet to the inch, and with contour intervals of no greater than five feet. Contour lines must be shown for all areas within, and within 100 feet of, the site of the proposed excavation, removal or filling.

See grading plan, generally. Final topography for areas filled **TBD** before Zoning Commission review.

J. All existing buildings or structures on the site and any buildings, structures or uses being applied for.

N/A

K. Surrounding properties and streets.

See grading plan.