

Juliano Associates
405 Main Street (Yalesville)
Wallingford, Connecticut 06492
Voice: 203-265-1489
Fax: 203-949-1523

10/26/2020

Holly Masi
CZEO Town of Hamden
2750 Dixwell Avenue
Hamden, Connecticut 06518

RE: Revised Removal & Restoration Plan for 82-92 Crest Way

Dear Holly and Hamden Town Staff,

This letter supersedes the previously submitted letter dated 3/20/2020 to address comments and concerns raised by the Hamden Planning and Zoning Commission.

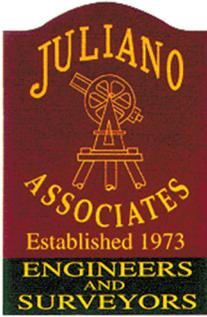
Removal of fill over the eastern property lines will be completed in four phases.

Phase 0 – Site preparation

1. There are currently three existing stockpiles of material on site, Millings are located at the north west corner of the property, topsoil is located near the north east corner of the property and a pile of unprocessed wood to the east of the topsoil pile. The pile of millings will remain on site to and act as the finished surface. The topsoil pile and the wood pile will be removed from the site in order not interfered with the proposed stockpile locations.
2. Existing vehicles and equipment on site will need to be removed or relocated as to not interfere with the proposed stockpile locations.

Phase 1 – Install S&E Measures and prepare the site for the soil removal

1. Place all sediment and erosion control fences and all other erosion control devices as depicted on the plans.
 - a. Install Anti Tracking Pad at entrance to the site.
 - b. Install silt fence along Crest Way on the left side of the main driveway.
 - c. Install silt fence down gradient of the proposed disturbance along the north end of the property.
 - d. Install silt fence and hay bales downgradient of all encroachment areas off the eastern side of the property.
2. Prior to the start of any activities, contact the Hamden Town Staff to inspect sediment controls



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3. Notify Town of Hamden Staff if the delivery location for the onsite material has changed.
4. Notify Town of Hamden Staff if the company hauling materials has changed.
5. Prior to the removal of any material, the applicant will have the eastern property line staked out with wooden witness stakes every 50'.
6. The Disturbance to the northern side of the property is showing minor filling over the original stone wall. The extent of this fill ranges from 6" to 3'6". Originally in this area the site was being utilized up to the stone wall. At this point, there has only been minor encroachment into this buffer area. Pavement has been added in this area and will need to be removed. The approved plans are showing once the site work is completed, storage bins would be placed so that there will be a 50' buffer to the residential property.
 - a. Once the pavement has been saw cut and removed, a construction fence will be installed to create a visual barrier to ensure no additional work will be conducted in this area.

Phases 2-4 - Removal of fill placed over the eastern property line

Fill has been placed over the eastern property lines, more specifically onto #785 Sherman Avenue and #925 Sherman Avenue. The maximum encroachment is approximately 90.1' and 37.5' respectively. The total surface to surface volumes shows an increase of 5,925 CY of material total on both properties, 5,723CY & 202 CY respectively. This material is comprised of miscellaneous soil from the site, some rock from the site, as well as tree debris. The individual quantiles of each of these are currently estimated as 4,839 CY of soil and rock that originated on site with 1,086 CY of tree material.

1. Subject to field conditions it is anticipated that the remediation of the eastern disturbances will proceed in the following fashion. This task will be completed with an excavator and a dump truck. The Excavator will remove and sort the material (Soil with Rock & Tree Debris) into 1,000 CY piles the piles will then be sampled and tested in accordance with the restoration soil sampling plan prepared by East-West Engineering, PPLC, Dated October 14, 2020. The piles will remain until the test results have returned. The materials will then be delivered to the appropriate site depending on the test results.
 - a. The excavator will need to create a ramp from the 82-92 Crest Way down to an existing elevation of approximately 182 and create a flat pad. This pad will allow the excavator to travel north and south along the slope to remove fill materials.
 - b. This pad will need to be reconstructed to remove more fill upgradient and allow to work the machine up the hill. See attached plans. The excavator will need to restore the slope starting from the bottom and work its way to the top. The excavator will sort the material as it is pulled from the slope and loaded into the dump truck. The dump truck will then place the material in the designated pile.



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- c. Once the excavator reaches the top of the slope, it will be able to reach and pull any excess material that was placed over the property line.
- d. From the process of removing the material the original slope will be restored. Once the material has been removed, the area will then have been brought back to its original state. Trees will be planted as per plan and then slope will then be stabilized by planting a New England Erosion Control/Restoration Mix in any disturbed areas.
- e. As the material is removed, it will then be sorted and stored in stockpiles on site, see map for locations.
- f. An orange construction fence to be installed along the eastern property line once all activities have been completed.

Additional information pertaining to soil removal.

- a. Due to the substantial amount of material that needs to be removed, the owner of 82-92 Crest Way has applied to provide the Town of Hamden with a specific Removal & Restoration Plan. This application has the property owners for #785 & #925 Sherman Avenue also listed as applications as the work will need to be conducted on their property.
- b. The approximate material removed per phase will be, Phase 2 = 1,490 CY, Phase 3 = 2742 CY, and Phase 4 = 1,693 CY. Phases have been developed to show how the machine operator will complete the task of soil removal along the eastern slope.
- c. All wood material will be delivered to a DEEP permitted facility.
- d. If soil and rock test samples come back contaminated, the material will be disposed of at a state approved disposal facility; otherwise the material will be delivered to a site located at 840 Main Street in South Windsor. If there is any change in the location where the materials will be delivered, notice will be given to town staff before any material is removed.
- e. Prior to any excavation work taking place, a silt fence and staked hale bales will be installed at the base of the slope. This silt fence will also provide a visual barrier to prevent any further disturbance from happening on adjacent property owner's property as well as providing sediment and erosion control measures downgradient from disturbance areas.
- f. An orange construction fence will be installed along property line as a visual marker once all material has been removed from northern and eastern sides of property.
- g. Any Soils Stored on-site for more than 30 days shall be stabilized and seeded. All stockpiled soil shall be protected by approved sediment and erosion controls.
- h. The material will then be removed from the site using approximately 400-450 triaxle dump truck loads, each load is approximately 14 CY. The trucking



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companies are currently Yumbla Construction LLC & the applicant, if there is any change town staff will be notified before any material is moved.

- i. The Excavation work will be completed by the applicant.
- j. This material will be removed off adjoining properties using a 200 series excavator or larger to grab debris.
- k. The excavation process is expected to take no more than 90 days once activities begin, weather dependent.
- l. Construction activities will be conducted Monday -Friday 8AM - 5PM.
- m. Disturbed conditions do not result in a change in runoff volume or the direction of flow. No additional water flows off the 82-92 Crest Way Property to the east. All water stays on the property.

If you have any questions or concerns please let me know,

James DiMeo, PE
203-265-1489 ext 302
jdimeo@julianoassociates.com