

**To: Shutesbury Conservation Commission**  
**From: Robert Douglas**  
**Date: Sunday September 18, 2022**

**RE: 66 Lake Drive – Notice of Intent – Restoration Plan and Narrative.**

Commissioners,

Thank you for all the time you have put in to better understand what has occurred with the stormwater damage caused by street run off in the lake and Lake Drive. I'm grateful for the many site walks you have done on Lake Drive and the recent review of my Notice of Intent.

As you saw on your visits, the storm water has caused scours in the lakeside lawn area of our home at 66 Lake Drive. We propose to stop water from coming through the pipe which will stop the lake contamination and allow us to fill and restore the trenched areas. The areas will be partially filled with a layer of stone, then covered with clean topsoil, and seeded with a deep-root fescue grass-seed to restore lawn areas; and with a stabilization wild seed mix for the naturalized areas. Much of the site currently has a robust growth of herbaceous native plants dominated by jewelweed (*Impatiens capensis*). This rich native groundcover growth will be left undisturbed where possible, and it will likely spread into the replicated areas.

The scour trench along the fence line is approximately 2 feet wide. The damaged area spreads as it gets closer to the root-ball and the well. At its widest point it is about 8 feet and then it tapers back as it drains into the lake. I have indicated on the plan the scoured areas to be restored. All materials will be brought in by wheelbarrow or boat. No heavy machinery will be used.

Last year an oak tree toppled over because the dirt around its roots were washed away. We propose to use the dirt from the root-ball as soil in the restoration and we will cut up the stump and roots as firewood. The area it currently occupies will be restored.

Additionally, we propose to plant three eastern hemlock trees (*Tsuga canadensis*) along the wooden fence line on the east side. On the west side we propose to remove a small wire-fence and some invasive buckthorn and replace it with three highbush blueberry plants (*Vaccinium corymbosum*).

A straw wattle will be strategically staked along the top of the sea-wall as a sediment interceptor until the area is stabilized.

The area will be monitored with reports given quarterly to the ConCom for the first year, then twice yearly reports the second year.

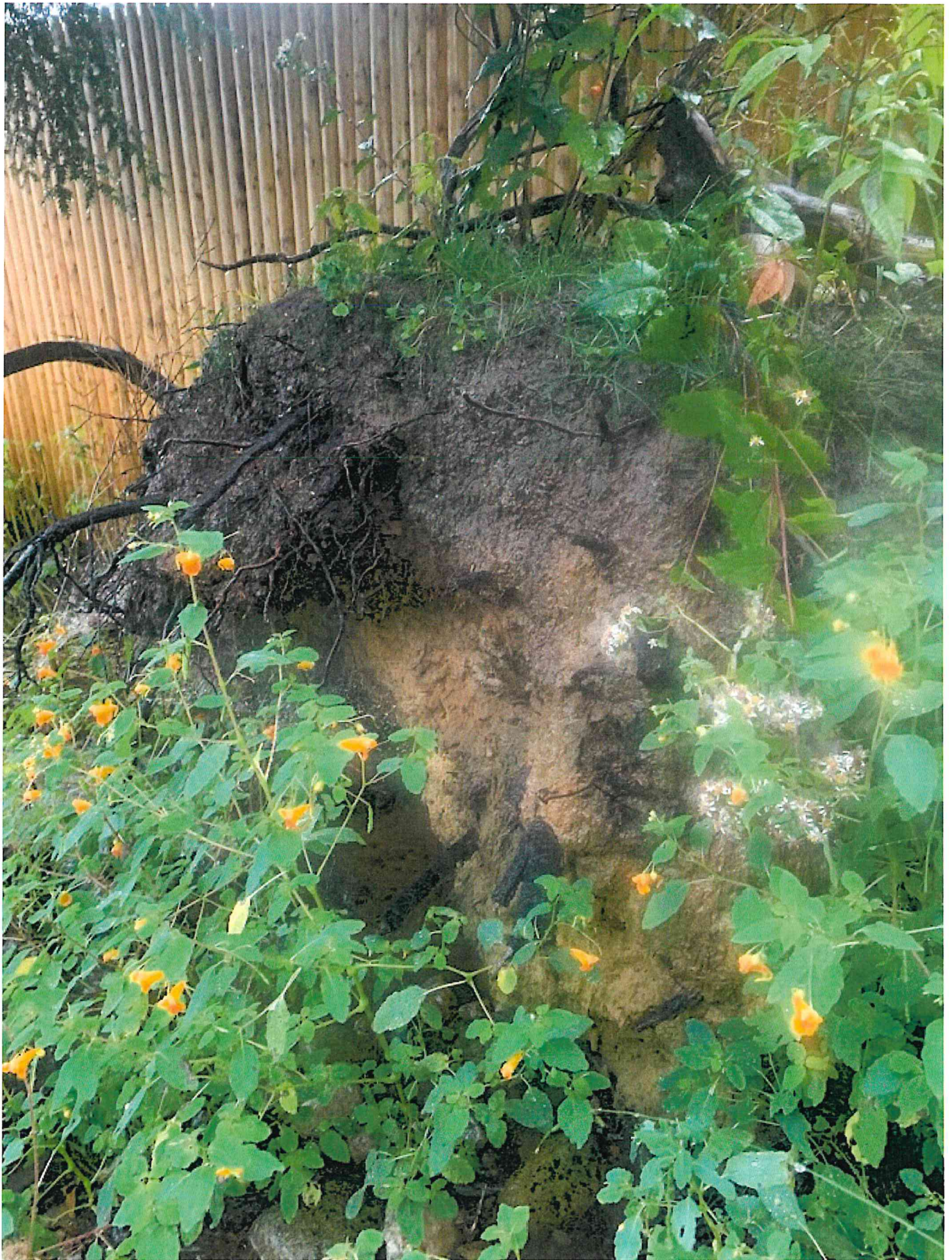
Thank you for your consideration,




Robert Douglas – (66 Lake Drive)  
163 Stow Road  
Harvard, MA 01451



Root ball







Start of  
Scour trench

End of Pipe





Trench  
area



Trench is about 2- feet wide





Restoration  
Area





Area of restoration

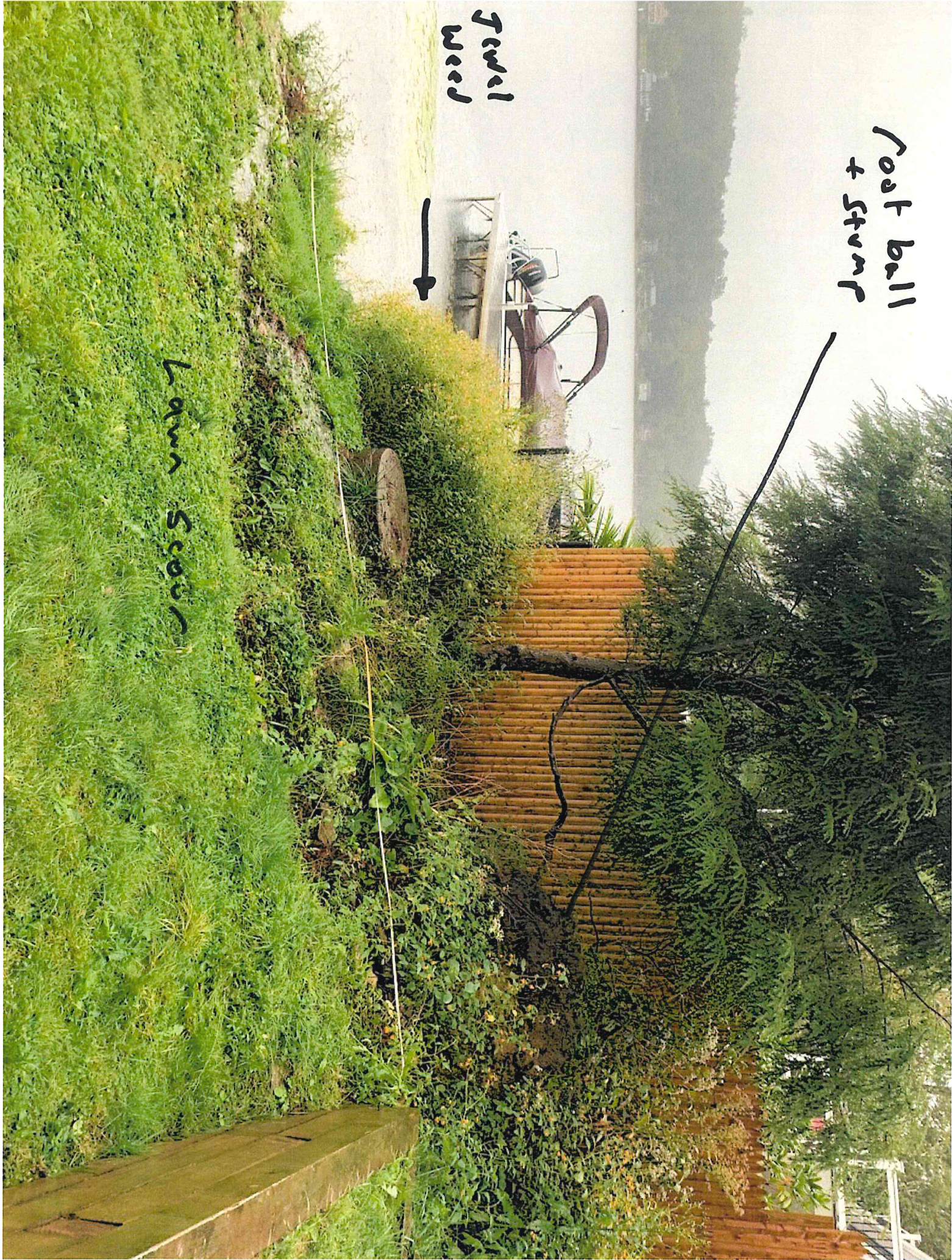




root ball  
+ stump

Jewel  
weed

Lawn Scare







Scav

Lawn

Trench



