

Celebrating 15 years!

# BIOLOGICAL TREE SERVICES

Rooted in Conservation & Preservation

WOULD LIKE TO ANOUNCE  
**RESTORATION AND REVITALIZATION**  
OF

## THE WEDDING TREE

AT MARIE SELBY BOTANICAL GARDENS

SARASOTA, FL, September 2018 Tammy Kovar, CEO of Biological Tree Services and ISA certified arborist, is pleased to announce the completion of the project to revitalize the historic live oak "Wedding Tree" at Marie Selby Botanical Gardens. Tammy was called in to assess the fitness of the tree.

After examining the Wedding Tree, Tammy was able to determine that it was suffering from stem girdling roots (SGR). SGR can be caused by burying the root flare in too much soil or mulch (known as volcano mulching). It's important that the root flare be visible above ground. If left alone, SGR will grow and compress the root flare. The weight cuts off vital circulation of food and water resources. Without mitigation the tree loses stems, branches, and limbs.

Biological Tree Services employed a five-step process:

1. **Root collar excavation** provided a visual inspection and confirmation of stem girdling roots (SGR).
2. **Removal of the SGR using the air-knife.** We uncovered all of the SGR so we could remove them.
3. **Soil aeration under the tree's canopy with the air knife** to alleviate soil compaction, stimulate microbial development and optimize the root zone health.
4. **Filling the aerated holes with soil amendments.**
5. **Soil injection** to introduce natural biological microbes into the soil. The microbes colonize on the new fine roots. This improves the overall health of the tree by reestablishing it's below ground biological partners.



Biological Tree Services will continue maintenance on the wedding tree with further soil injections. This will help optimize below ground soil ecology and sustain the tree for others to enjoy.



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Using the **air knife**

Applying the **soil injection** treatment

*"We're so happy to have the help of Tammy Kovar and her knowledgeable staff of Biological Tree Services to help us restore and rejuvenate the Wedding Oak. This is an important tree for our Gardens, one which has witnessed the nuptials of countless loving couples over the last 40+ years. With their assistance, we hope this tree will continue to serve as a memory-maker for generations to come."* – **Mike McLaughlin, Marie Selby Botanical Gardens**



Before - Root Flare Covered

After - Visible Root Flare

If you would like more information on the Wedding Tree, or to find out how Biological Tree Services can help save your trees, please call Tammy Kovar at 941-216-3836, or email [tkovar@biologicaltreeservices.com](mailto:tkovar@biologicaltreeservices.com).

Biological Tree Services is locally owned and operated in Sarasota, Florida and is celebrating 15 years. We are rooted in conservation and preservation, servicing clients throughout the state of Florida.



**CONTACT US TODAY!**  
941-216-3836

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