

Grantwood Village, Missouri Street Tree Inventory Summary

October, 2009

Grantwood Village is a small residential community nestled among a canopy of large trees in southwest St. Louis County, Missouri and is proud to encompass Grant's Trail (a popular biking destination), The Ulysses S. Grant National Historic Site, and Grant's Farm (ancestral home of the Busch family and operated by Anheuser-Busch).

The Grantwood Village Board of trustees has commissioned a tree inventory to study and evaluate the current condition of trees within the 12 small islands, village entrances, and the bird sanctuary located along Grantwood Lane. The purpose of an inventory is to study and evaluate the structure of a tree population, ultimately establishing an effective planning and management program for the valuable resource. This document is a summary of the findings from this inventory.

Trees are an integral component of any community environment, adding true value to the landscape. Trees provide shade and act as windbreaks, helping to decrease commercial energy consumption. They help stabilize the soil by controlling wind and water erosion and improve water quality by reducing stormwater runoff. Trees also help reduce noise levels, cleanse pollutants from the air, produce oxygen and absorb carbon dioxide, and provide habitat for wildlife.

Additionally, trees provide significant visual and psychological benefits, including more attractive settings that add to the feeling of physical well-being among residents and visitors all year long. Their shade and value contribute to the overall aesthetics of the landscape and soften the hard appearance of our built-up world. When properly maintained, trees will return overall benefits and value to the environment far in excess of the time and money invested in them for planting, pruning, protection, and removal.



Grantwood Village maintains a number of public spaces with a wide variety of trees and attractive landscaping.

Grantwood Village Street Tree Inventory

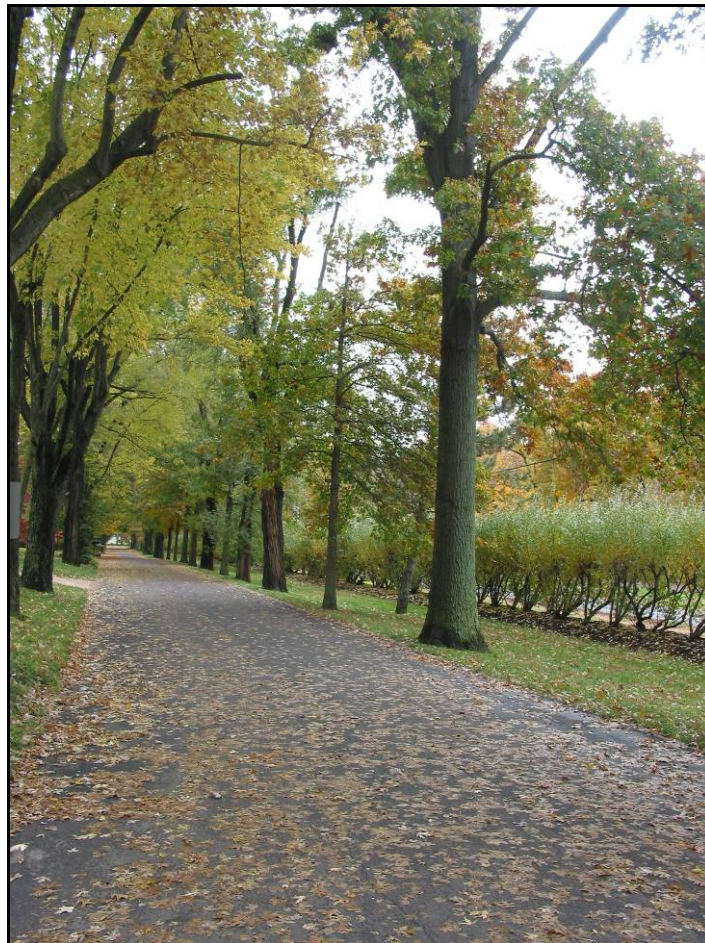
Davey Resource Group completed a GIS-based inventory of trees located within the Village's public areas in October, 2009. Tree data has been collected and analyzed, providing information on species composition, condition, and maintenance actions, among others. The numbers in this document only reflect data collected in this inventory.

The major findings of the Street Tree Inventory include the following:

- Davey Resource Group inventoried 112 total trees on public grounds in Grantwood Village.
- The total value of the inventoried tree population is approximately \$325,993 and the average per tree value is approximately \$2,911. This value is not intended, nor should it be used, as a substitute for a detailed inspection and appraisal by a qualified arborist.
- The tree population is comprised of 32 species representing 24 genera.
- The genus *Quercus* (oak) comprises 25.89% of the overall population, followed by *Acer* (maple) 13.39%, *Ulmus* (elm) 8.93%, and *Pyrus* (pear) 6.25%. All other genera comprise less than 6% of the total public tree population.

- The inventoried tree population is dominated by medium-sized (7 to 24 inches in diameter at breast height [DBH]) trees representing 45.53% of the total tree population. Large trees, which are 25 inches and greater in DBH, represent 24.11% of the total population, and the remaining 30.36% of trees are small-sized (less than 6 inches in DBH).
- Of the inventoried tree population, 6 (5.36%) are in Excellent condition, 24 (21.43%) are in Very Good condition, 38 (33.93%) are in Good condition, 31 (27.68%) are in Fair condition, and 13 (11.61%) are in Poor condition. There are no Dead trees.
- There are 9 trees (8.04%) identified as removals and 1 has a high failure potential and is strongly recommended for removal. These trees had comparatively high levels of risk based on observed defects. Consider removing those trees with high risk ratings first.
- There are 57 (7.73%) trees recommended for large tree pruning. Consider pruning those with higher risk ratings first.

The tree inventory provides comprehensive information about Grantwood Village's tree resource. More detailed reports of the inventory findings are included with the Workbook. With this project, Grantwood Village has shown a strong commitment to a comprehensive tree inventory and a successful forestry program.



A row of large trees is located along Grantwood Lane.