### Case Studies: Tree & Woodland Protection

# STREET TREE ARBORETUM

## **Arlington Site, Dayton, Montgomery County**

Date Completed: begun in 2011, ongoing

Description: The Street Tree Arboretum uses vacant land controlled by the City of Dayton for street tree farms. Tree seedlings are grown in pots in the City's greenhouse and then planted on vacant land at one of the city's Street Tree Arboretums. After growing at an arboretum for approximately two years, the trees will be dug up and planted in tree lawns and in the public rights-of-way throughout the city. The city contracts with community groups to care for the trees while they are at the arboretum. This care includes such things as watering, weeding, trimming, mulching, and fertilizing the trees and mowing the arboretum grounds and keeping them free of trash and debris. The Arlington StreetTree Arboretum opened in 2012 with an initial planting of 260 trees. It is the city's first such arboretum; others are planned to open in late 2013 and 2014.



Project Size: 1.4 acres





#### **Developers:**

City of Dayton
Department of Planning and Community Development
101 West Third Street, P. O. Box 22
Dayton, OH 45401

www.cityofdayton.org

#### Designers / Consultants:

City of Dayton

#### Key Features:

Innovative way to use vacant land

- Cost-effective way to grow street trees and provide replacement stock for trees lost to blight, disease, age, storms, etc.
- Provides an opportunity for a community group to gain experience managing an arboretum
- Provides four jobs (1 supervisor and 3 homeless persons staff the Arlington Arboretum)

**Project Cost:** \$4,198.00 – seedlings and installation of water for the site and identification signs

Maintenance Cost: \$7,500.00 annually

Funding Sources/Incentives: City of Dayton General Fund

**Applicable Zoning Regulations:** Tree farms are allowed under the city's "Community garden" and "Harvesting" zoning code regulations.



Below: City's greenhouse (Photo: City of Dayton)



Above: Arlington StreetTree Arboretum Saplings, overhead view (Photo: from Google Earth)