

Camden Stormwater Pond Tree Planting

On June 1, 2019, 52 trees (primarily #10 containerized stock) were planted by volunteers at the Camden Stormwater Pond in Minneapolis (Figure 1). This planting was made possible through the partnership of The Nature Conservancy, Tree Trust, City of Minneapolis and Minneapolis Park & Recreation Board, with generous funding from United Properties and support from the Webber-Camden Neighborhood Organization, Shingle Creek Watershed Management Commission and Mississippi Watershed Management Organization.



In the first 25 years of the project, the trees planted will create a multitude of benefits for the community. Stormwater benefits include 416,736 gallons of rainfall intercepted, 121,078 gallons of runoff avoided, and \$1,082 of saved from avoided runoff. Carbon storage benefits include 72,470 pounds of carbon dioxide sequestered and \$1,685 in savings from this sequestration. Air filtration benefits include the removal of 182 pounds of ozone, 18.2 pounds of NO₂, 2.2 pounds of SO₂, and 10.9 pounds of fine particulate matter (≤ 2.5 micrometers).

Tree benefits from the planting were calculated using the i-Tree Planting Calculator. Not included in these results were the 15+ bare root boulevard trees supplied by the Minneapolis Park & Recreation Board and planted across from Camden Central Pond. The boulevard trees will be a key barrier between playing fields and vehicle traffic. A printout was made available at the planting highlighting some of the findings and visually showing the 14 tree species planted (Figure 2).

Additionally, The Nature Conservancy gave away 15 free bare root trees. A tag including information and tree benefits calculated using the i-Tree MyTree online tool were provided with each tree (Figure 3).

Figure 1. A map of the site prior to planting.

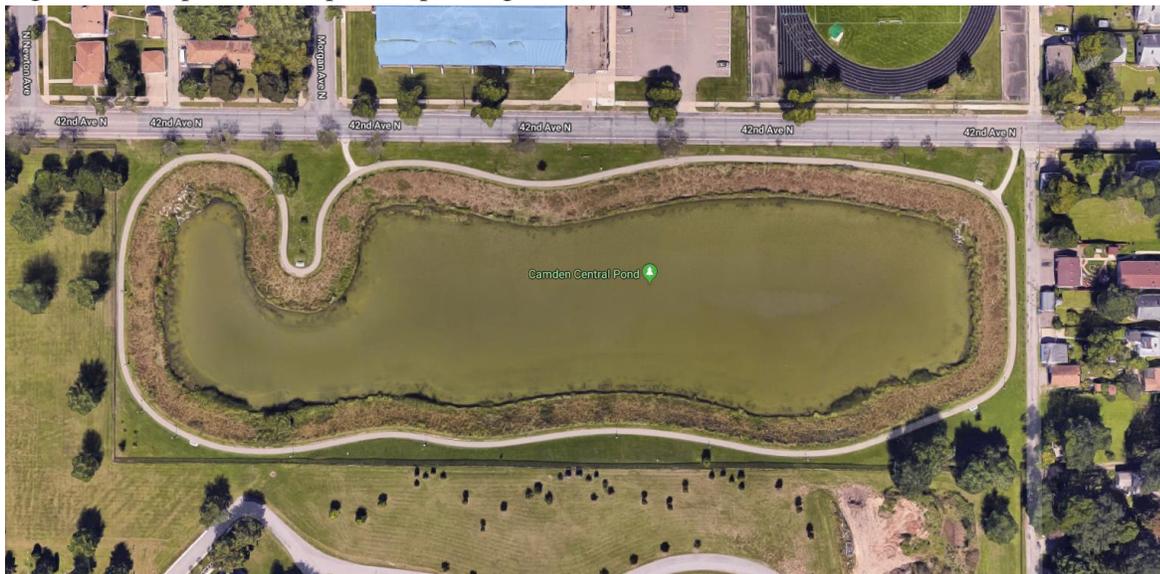


Figure 2. Graphic available for volunteers and partners at the planting (full size: 11"x17").

Minneapolis Camden Stormwater Pond Tree Benefits



















The trees planted here today will produce the following benefits (and many more!) over the first 25 years of their lifetime.



These trees prevent floods and erosion!
Intercepting 416,736 gallons of rainfall
Avoiding 121,078 gallons of runoff
Saving \$1,082 from avoided runoff

These trees are natural air filters!
Saving lives and money by removing harmful particles and gases from the air.

Removing:

- 182 pounds of ozone
- 18.2 pounds of NO₂
- 2.2 pounds of SO₂
- 10.9 pounds of fine particulate matter



These trees fight climate change!
Sequestering 72,470 pounds of CO₂
Saving \$1,685 in sequestered CO₂

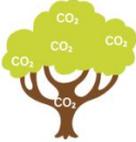


Figure 3. Tree tags (full size: 4"x 5.5").

Tulip Tree

Liriodendron tulipifera



80' tall x 45' wide
Golden-yellow fall color
Showy flowers
Unique leaf shape
Provides shade



This tree will pay you back \$55 in benefits each year!

- 🌱 It reduces your energy bill,
- 🌱 Decreases stormwater run off,
- 🌱 Filters air and water pollutants,
- 🌱 Increases your property value,

- 🌱 Sequesters CO₂,
- 🌱 Reduces crime,
- 🌱 Cools you down,
- 🌱 and so much more!




EXCLAMATION!™ London Planetree

Platanus acerifolia 'Morton Circle'



60' tall x 45' wide
Unique bark
Showy fruit
Provides shade
Drought and salt tolerant



This tree will pay you back \$50 in benefits each year!

- 🌱 It reduces your energy bill,
- 🌱 Decreases stormwater run off,
- 🌱 Filters air and water pollutants,
- 🌱 Increases your property value,

- 🌱 Sequesters CO₂,
- 🌱 Reduces crime,
- 🌱 Cools you down,
- 🌱 and so much more!




Northern Acclaim Honeylocust

Gleditsia triacanthos var. inermis 'Harve'



45' tall x 35' wide
Yellow fall color
Seedless and thornless
Dappled shade
Drought and salt tolerant



This tree will pay you back \$55 in benefits each year!

- 🌱 It reduces your energy bill,
- 🌱 Decreases stormwater run off,
- 🌱 Filters air and water pollutants,
- 🌱 Increases your property value,

- 🌱 Sequesters CO₂,
- 🌱 Reduces crime,
- 🌱 Cools you down,
- 🌱 and so much more!