

Michigan Green Infrastructure Conference - 2014

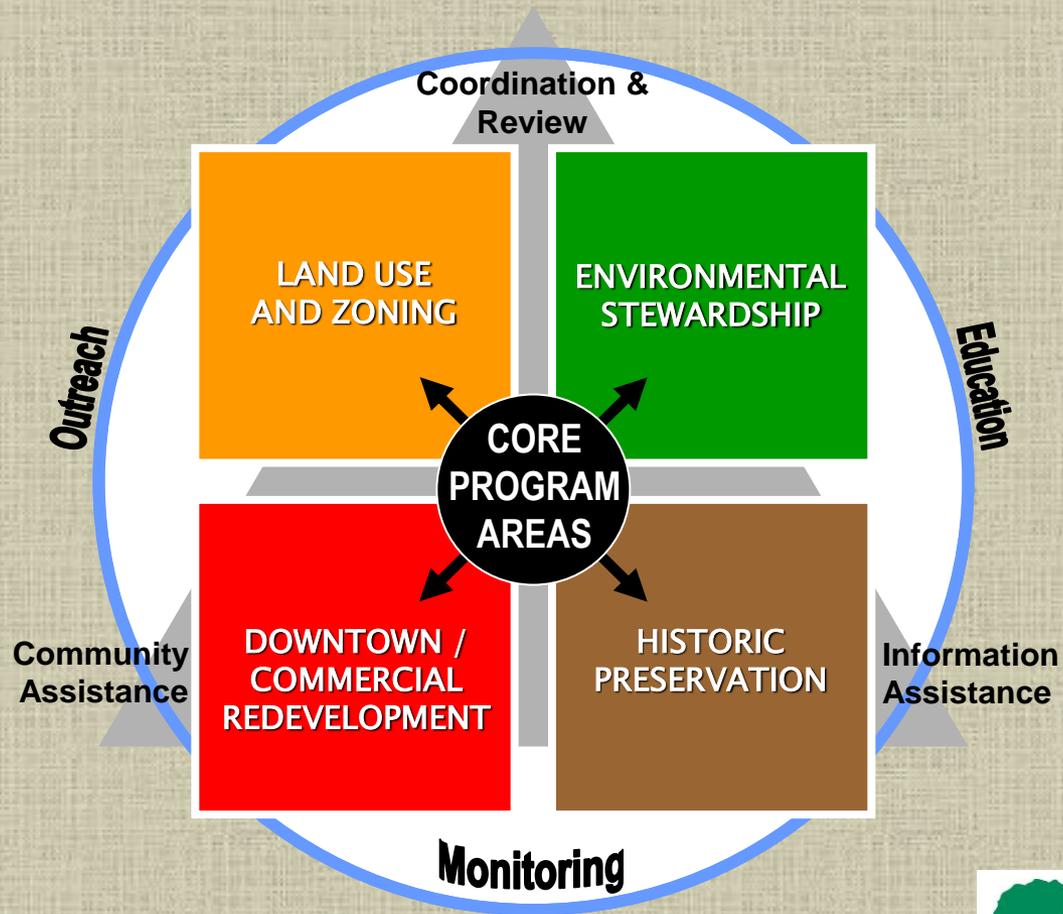
Overview how the long-term relationship evolved between the Oakland County Planning Office and International Transmission Corporation (ITC).

Highlight a project that resulted from this public/private partnership and has had a positive impact on Oakland County's green infrastructure network.



Oakland County Planning Office

Bret Rasegan, Planning Group Supervisor



Oakland County Planning Office

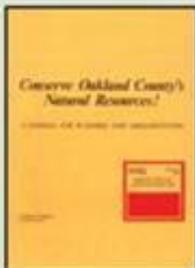
Our Roots Run Deep...

Over Thirty Years of Natural Resource Identification & Preservation



1974

The Model Environmental Ordinance to Protect Woodlands provides language for local community planning and zoning documents.



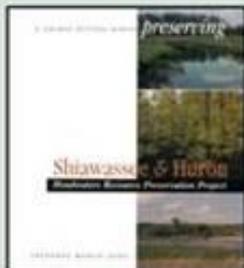
1980

Conserve Oakland County's Natural Resources looks at ways to conserve natural resources through community land use planning.



1987

Identifying Our Natural Heritage explores and identifies Oakland County's existing, intact natural areas that contain high quality, relatively undisturbed natural communities.



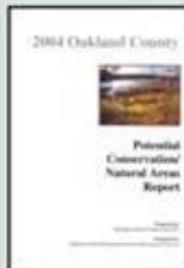
2000

The Shiawassee & Huron Headwaters Resource Preservation Project delineates significant natural resource systems and focuses on planning related strategies to protect the identified resource systems.



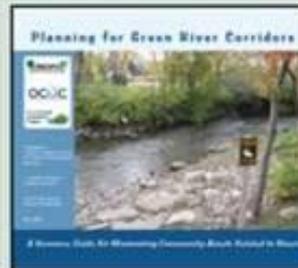
2002

The 2002 Oakland County Potential Conservation/Natural Areas Report identifies and ranks potential natural areas in Oakland County.



2004

The 2004 Oakland County Potential Conservation/Natural Areas Report is an update to the 2002 document, and it also identifies and ranks potential natural areas in Oakland County.



2007

Planning for Green River Corridors is designed as a guide for community leaders and stakeholders to identify the resources associated with riparian areas and maximize those resources as community assets.



2009

The Oakland County Green Infrastructure 2009 highlights the network of connected open space and the associated benefits in Oakland County.

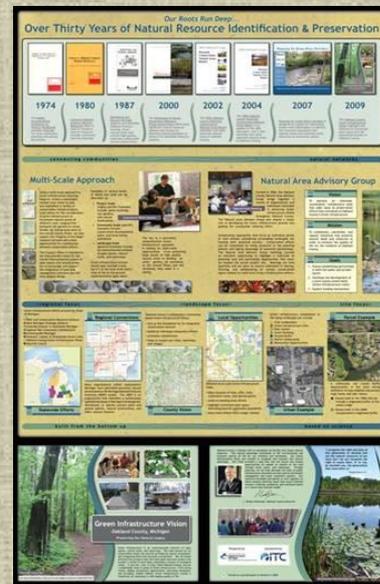
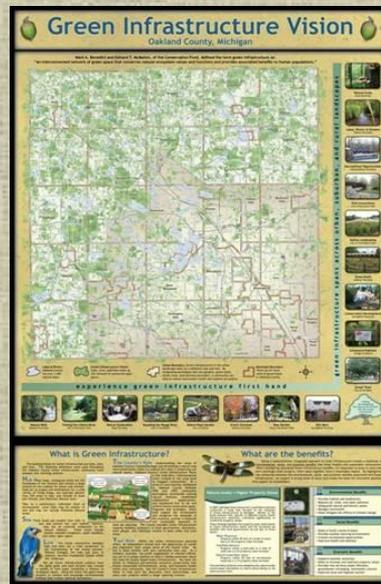
Natural Area Advisory Group

Formed in 2004 and consisted of representatives from multiple organizations (e.g., Land Conservancies, Local & State Park Organizations, Watershed Councils, Communities, etc.)

Facilitate Quarterly meetings

Developed Oakland County's Green Infrastructure Vision (2005-2009)

April 2012 - Merged with Oakland Trails Advisory Council (OTAC) to form Trail, Water & Lands Alliance (TWLA)



Trail, Water, & Lands Alliance – Fall Celebration

Day long event

- Case Studies
- Tour
- Highlight Community Green Infrastructure Efforts
- Key Note Speaker
- Lunch



2013 Event Sponsors:



2011/2012 Rouge Watershed Tree Plantings Project

**Great Lakes Restoration Initiative – USDA Forest
Service Grant - \$100,000**

- **With a 15% Grant Match (\$15,000 of in-kind services)**

**International Transmission Corporation (ITC)
Donation - \$100,000**



Great Lakes Restoration Initiative Grant Details

- **To address stormwater management and air pollution in the Rouge Watershed**
- SEMCOG was primary recipient of federal funds - Oakland County, Wayne County and City of Detroit are pass-through partners
- Pass-through partners develop landscape planting plans
- Sites had to be publicly owned property (e.g., parks, municipal facilities, road right-of-way) and within the Rouge Watershed



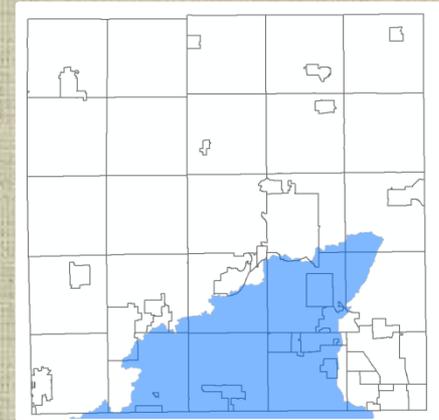
SEMCOG . . . Shaping the future of Southeast Michigan

Southeast Michigan Council of Governments

Selecting Partner Communities

Criteria used to evaluate each Oakland County community included:

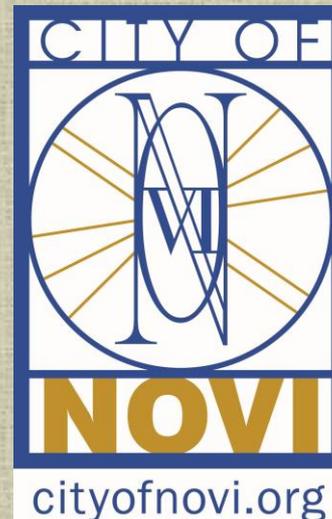
- Percentage of watershed covered by community
- Population of community within watershed
- Acres of rec./public land within the watershed
- Natural Drainage (length in miles of streams and drainage ditches) within the watershed
- Surface Water (area covered by lakes and rivers) within the watershed
- **Community's loss of tree canopy (the degree of impact due to ITC's Vegetation Management Program)**
- Community's willingness to commit staff time and other resources to execute the project



Selecting Partner Communities

Contacted the top 3 ranked communities to gauge interest in participating in the project:

Rank	Community	Total Score
1st	Farmington Hills	4.00
2nd	Novi	3.85
3rd	West Bloomfield	2.70
4th	Bloomfield Twp	2.50
5th	Southfield	1.95



Participation Requirements

- **Pre-Bid Meetings/Interviews**
- **Waive cost of all permits**
- **Oversee all planting and installations**
- **Coordinate installation scheduling with contractor**
- **Stake tree locations for contractor**
- **Follow-up/monitor tree health during establishment period**
- **Promote project - project/grant information provided on community website, press releases, signage, etc.**



Site Designs - Preliminary Layouts

A total of 20 sites were identified by the partner communities that would benefit from tree planting.

Used Primarily Native Species (Oaks, Maples, etc.)



OAKLAND COUNTY
PLANNING & ECONOMIC DEVELOPMENT SERVICES
 Executive Office Building
 2100 Pontiac Lake Road, Bldg. 41W
 Waterford, MI 48328-0412
 248.858.0720
www.oakgov.com/peds



City of Farmington Hills
Preliminary Tree Planting Site Design
 2011 Great Lakes Restoration Initiative
 Rouge Tree Planting Grant

Heritage Park

Map created on: September 1, 2011

Legend

- Municipal Boundary
- Tax Parcel Boundary

Tree Key

- | | |
|------------------------|--------------------|
| Red Maple | Sycamore |
| Sugar Maple | Burr Oak |
| Serviceberry | Northern Red Oak |
| Northern Hackberry | American Basswood |
| Little Woody Redbud | Japanese Zelkova |
| Tulip Tree | Witch Hazel |
| Prairie Fire Crabapple | Thornless Hawthorn |
| Eastern White Pine | American Beech |



Oakland County
 Environmental Stewardship Program
 Planning & Economic Development Services

The information provided herewith has been compiled from recorded deeds, plats, tax maps, surveys and other public records. It is not a legally recorded map or survey and is not intended to be used as one. Users should consult the information sources mentioned above when questions arise.

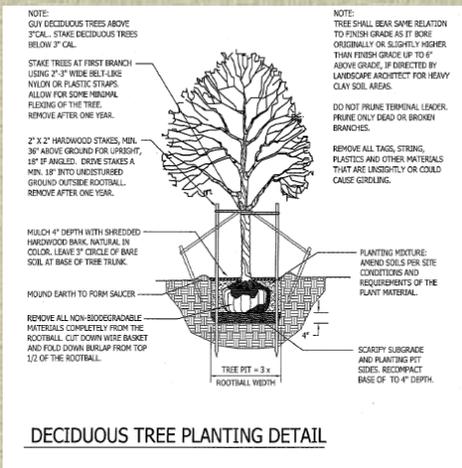
Request for Proposals

Based on RFP previously developed by the City of Novi.

Purchase and installation of 850 trees on 20 sites.

Asked for cost estimates for a one and a two year warranty.

2.5 inch caliper for single stem plants and 6'-8' minimum height for multi-stem plants.



**NOTICE - CITY OF NOVI
REQUEST FOR BIDS**

2011 SPRING TREE & LANDSCAPE PLANTING

The City of Novi will receive sealed bids for 2011 Spring Tree & Landscape Planting according to the specifications of the City of Novi.

A mandatory pre-bid meeting will be held **Wednesday, March 16, 2011** promptly at 10:00 a.m. at the Novi Civic Center, 45175 W. Ten Mile Rd., Novi, MI 48375-3024.

Sealed bids will be received until 10:00 a.m. prevailing Eastern Time **Wednesday, March 30, 2011** at which time proposals will be opened and read. Bids shall be addressed to:

CITY OF NOVI
CITY CLERK'S OFFICE
45175 W. Ten Mile Rd.
Novi, MI 48375-3024

OUTSIDE ENVELOPES MUST BEAR THE NAME OF THE BIDDING FIRM AND MUST BE PLAINLY MARKED:

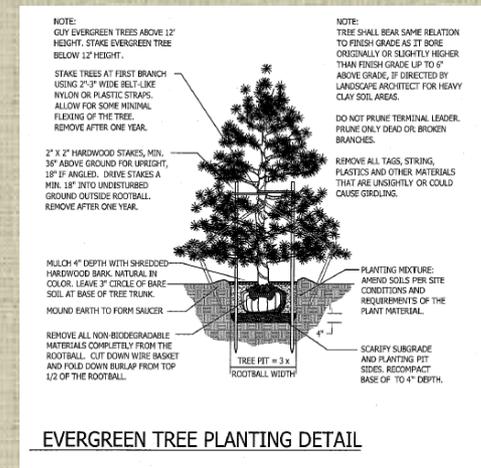
"2011 SPRING TREE & LANDSCAPE PLANTING BID"

The City reserves the right to accept any of all alternative proposals and award the contract to other than the lowest bidder, to subdivide the award, to waive any irregularities of informality or form, to reject any or all proposals, and in general to make the award of the contract in any manner deemed by the City, in its sole discretion, to be in the best interest of the City of Novi.

Sue Morant
Purchasing Manager
smorant@cityofnovi.org

Notice dates: March 9, 2011

NOTICE TO ADDRESSES:
The City of Novi officially attributes bid documents through the Michigan Interoperable Trade Network (MITSN). The City of Novi officially attributes bid documents through the Michigan Interoperable Trade Network (MITSN). Copies of bid documents obtained from any other source are not considered official copies. The City of Novi does not warrant the accuracy of any information not obtained from the MITSN website and is not responsible for any errors contained in any information received from alternate sources. Only those vendors who obtain bid documents from the MITSN system are guaranteed access to receive information. Information in such information is accurate if you obtained the document from a source other than the source indicated. It is recommended that you register on the MITSN site: www.mitsn.com and obtain an official copy.



Project Implementation

August 2011 - RFP was sent out

- Total of 7 respondents

September 2011 - Contracted with R.C. Tuttle Refurnishing Co.

October 2011 - Tree planting begins

- **Oakland County holds press conference with representatives from ITC to promote the project**

November 2011 – Tree planting halted for winter

- Contractor planted 356 trees on 16 of 20 sites



SEMCOG
CREATING SUCCESS
IN THROUGH MICHIGAN

green space blue water

This Tree Planting Project is funded by the U.S. Forest Service and the Great Lakes Restoration Initiative to improve water quality

L. Brooks Patterson
Oakland County Executive
Oakland County Michigan

ITC

U.S. FOREST SERVICE

RESTORATION INITIATIVE

NOVI
cityofnovi.org



Project Implementation

The image is a screenshot of a web browser displaying a news article on the Oakland County website. The browser's address bar shows the URL www.oakgov.com/news/Pages/2011/pr_11_166.aspx. The website's navigation menu includes links for Info A-to-Z, Jobs, Departments, Services, and News & Media. The main header features the Oakland County Michigan logo and a background image of a hand pointing at a globe. The article title is "ITC Holdings Grants Oakland County \$100,000 to Plant Trees". The article text describes a grant from ITC Holdings to fund tree planting in Farmington Hills, Novi, and West Bloomfield. It also provides details on the news conference, including the date, time, and location. The footer contains contact information for Bill Mullan, the Media and Communications Officer.

ITC Holdings Grants Oakl

www.oakgov.com/news/Pages/2011/pr_11_166.aspx

Info A-to-Z Jobs Departments Services News & Media Search

OAKLAND COUNTY MICHIGAN

You are here: News >

ITC Holdings Grants Oakland County \$100,000 to Plant Trees

Public Date: 10/19/2011 12:00 AM
Contact: Bill Mullan, Media and Communications Officer
Phone Number: 248-858-1048

What: Oakland County Executive L. Brooks Patterson and ITC Holdings Director of Local Government & Community Affairs Donna Zalewski will hold a news conference to announce ITC's matching \$100,000 grant to Oakland County to plant trees on public land in the Rouge Watershed in Farmington Hills, Novi and West Bloomfield. ITC's grant doubles the Great Lakes Restoration Initiative \$100,000 grant Oakland County has already received. Together, the two grants will fund the planting of approximately 850 trees. Joining Patterson and Zalewski will be Farmington Hills Mayor Jerry Ellis. Headquartered in Novi, Michigan, ITC is the nation's largest independent electricity transmission company and invests in the electric transmission grid to improve system reliability, expand access to markets, lower the overall cost of delivered energy and allow new generating resources to interconnect to its transmission systems. ITC operates in Michigan through its subsidiaries ITCTransmission and METC.

When: 2:30 p.m. Monday, October 24, 2011

Where: Heritage Park, west side of Farmington Road between 10 Mile and 11 Mile roads in Farmington Hills. News conference will take place behind the park pavilion.

Visuals: Contractor on hand with equipment and trees
Tree ribbon cutting ceremony
Zalewski handing oversized \$100,000 check to Patterson

A multi-box will be available for media. Cider and donuts will be served. For further information, please contact Bill Mullan, Oakland County Media and Communications Officer, at (248) 858-1048.

Contact Us Video

Project Implementation

April 2012 – Tree planting resumes

July 2012 – Tree planting completed

- Contractor planted 522 trees on 22 sites

In Total, 878 trees were planted at 22 different sites within the Rouge Watershed in 3 Oakland County Communities.



Results - Final Site Map



WHERE PEOPLE & TECHNOLOGY PROSPER
Oakland County Michigan
 L. Brooks Patterson, County Executive
OAKLAND COUNTY
PLANNING & ECONOMIC DEVELOPMENT SERVICES
 Executive Office Building
 2100 Pontiac Lake Road, Bldg. 41W
 Waterford, MI 48328-0412
 248.858.0720
 www.oakgov.com/peds



Tree Planting Site Locations

2011 Great Lakes
 Restoration Initiative Grant

Legend

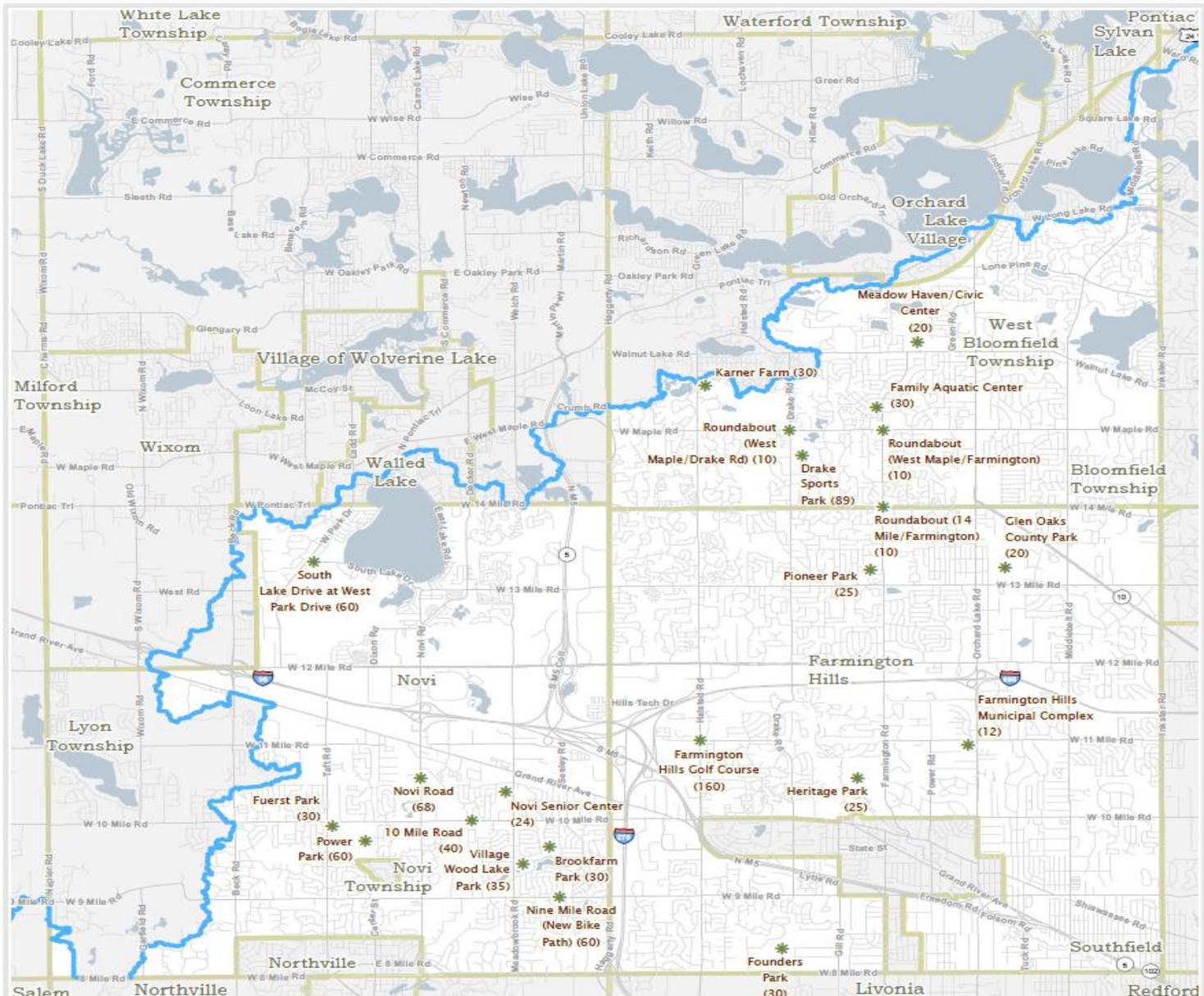
- Tree Planting Site
Site Name (# of Trees Planted)
- Rouge Watershed Boundary
- Municipal Boundary
- Lake or River
- Eligible Planting Area

Notes/Observations:

0 1 in = 1.6 miles 1 2 Miles
 Map created July 12, 2012

The information provided herewith has been compiled from recorded deeds, plats, tax maps, surveys and other public records. It is not a legally recorded map or survey and is not intended to be used as one. Users should consult the information sources mentioned above when questions arise.

Oakland County
 Environmental Stewardship Program
 Planning & Economic Development Services



Results

Trees per Community:

Community	# of Trees	% of Trees	% of Budget
Farmington Hills	272	31.0%	33.5%
Novi	407	46.4%	43.5%
West Bloomfield	199	22.7%	23.0%
Total	878	100.0%	100.0%

Cost per Tree (with a 2 Year Warranty):

$$\$200,000/878 = \$227.79$$



Contact Information

Ryan Dividock

Senior Planner – GIS

Oakland County

Economic Development & Community Affairs

2100 Pontiac Lake Road, Bldg. 41W

Waterford, MI 48328-0412

Email: dividockr@oakgov.com

Phone: 248.858.4071

Fax: 248.975.9555

