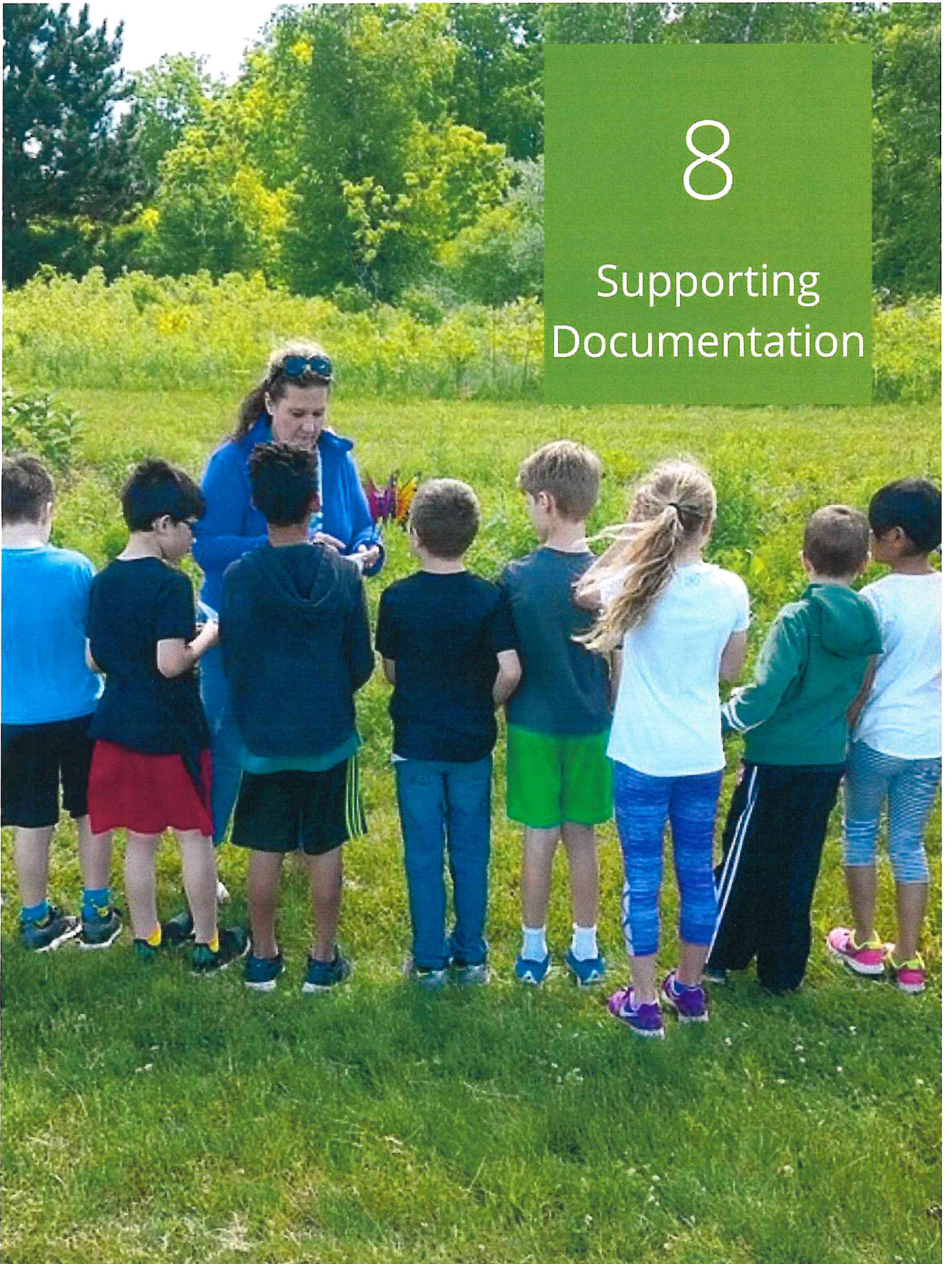


# 8

## Supporting Documentation





## Appendix A:

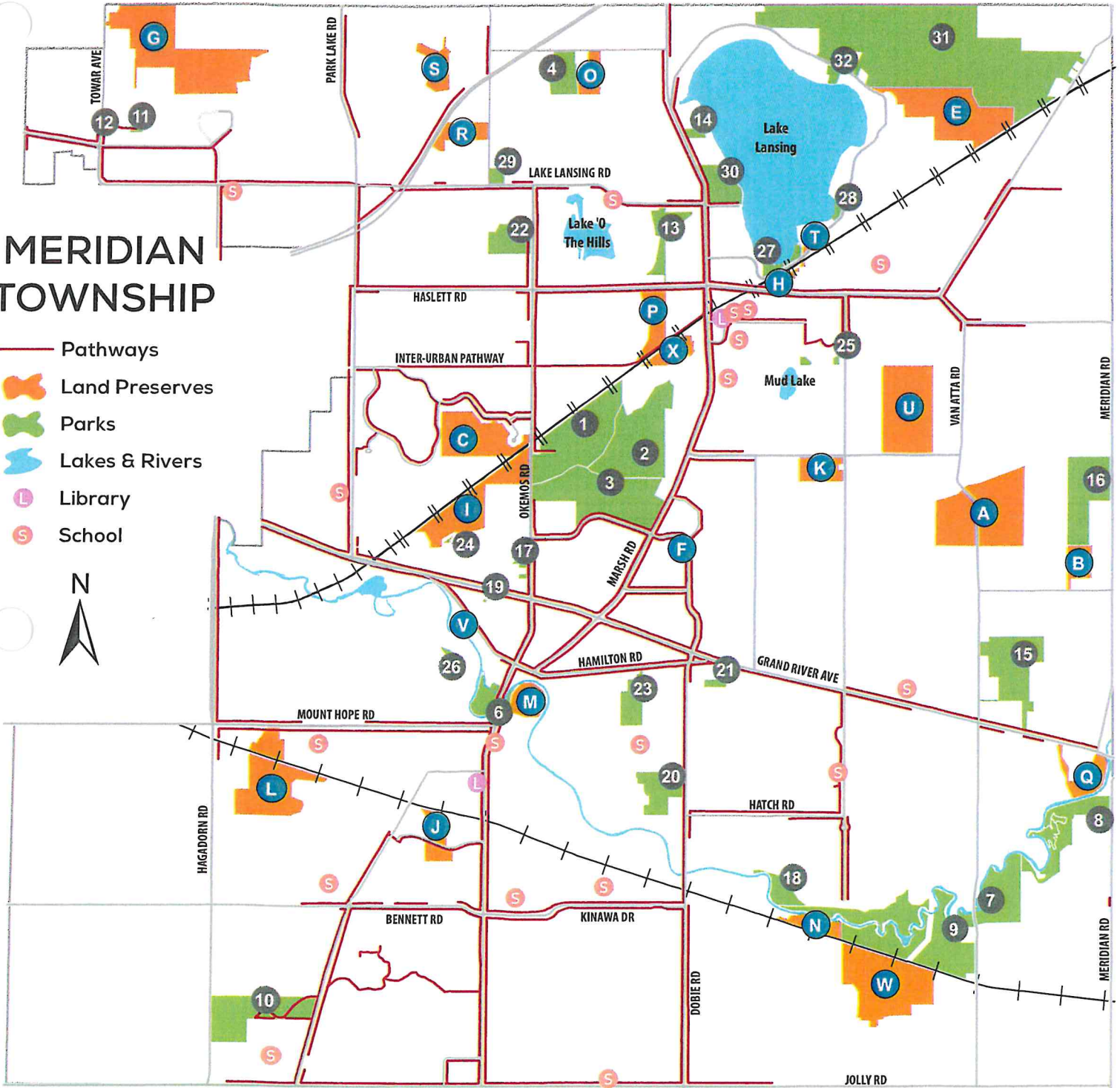
### Township Planning Maps and Plans

- I. Parks, Pathways and Land Preserves Map**
- II. Parks, Preserves, & Schools Walkability Map**
- III. Pathway Master Plan Map**
- IV. Watertrail Map, Red Cedar River**
- V. Park Addresses and Amenities Grid**
- VI. Greenspace Plan and Map**
- VII. Wetland Outreach & Restoration Plan**

# Parks, Pathways & Natural Areas

## MERIDIAN TOWNSHIP

-  Pathways
-  Land Preserves
-  Parks
-  Lakes & Rivers
-  Library
-  School



### Meridian Township Parks

- |                              |                            |
|------------------------------|----------------------------|
| 1 Nancy Moore Park           | 11 Snell-Towar Rec Center  |
| *Parks and Recreation Office | 12 Towar Park              |
| 2 Central Park               | 13 Hillbrook Park          |
| *Townhall Building           | 14 Marshall Park           |
| *Public Safety Building      | 15 Ted Black Woods         |
| Meridian Historical Village  | 16 North Meridian Rd. Park |
| Okemos Learning Center       | 17 Ottawa Hills Park       |
| Farmers' Market Pavillion    | 18 Red Cedar Natural Area  |
| 3 Central Park South         | 19 Cedar Bend Heights      |
| 4 Towner Road Park           | 20 Sander Farm             |
| 5 Wonch Park                 | 21 Forest Hills Park       |
| 6 Ferguson Park              | 22 Brattin Woods           |
| 7 Harris Nature Center       | 23 Tacoma Hills Park       |
| 8 Eastgate Park              | 24 Schriener Park          |
| 9 Legg Park                  | 25 Orlando Park            |
| 10 Hartrick Park             | 26 Indian Hills Park       |
|                              | 27 Lake Lansing Marsh      |
|                              | 28 Spengler Marsh          |
|                              | 29 Newton Road Park        |
|                              | 30 Lake Lansing Park South |
|                              | 31 Lake Lansing Park North |

### Meridian Township Land Preserves

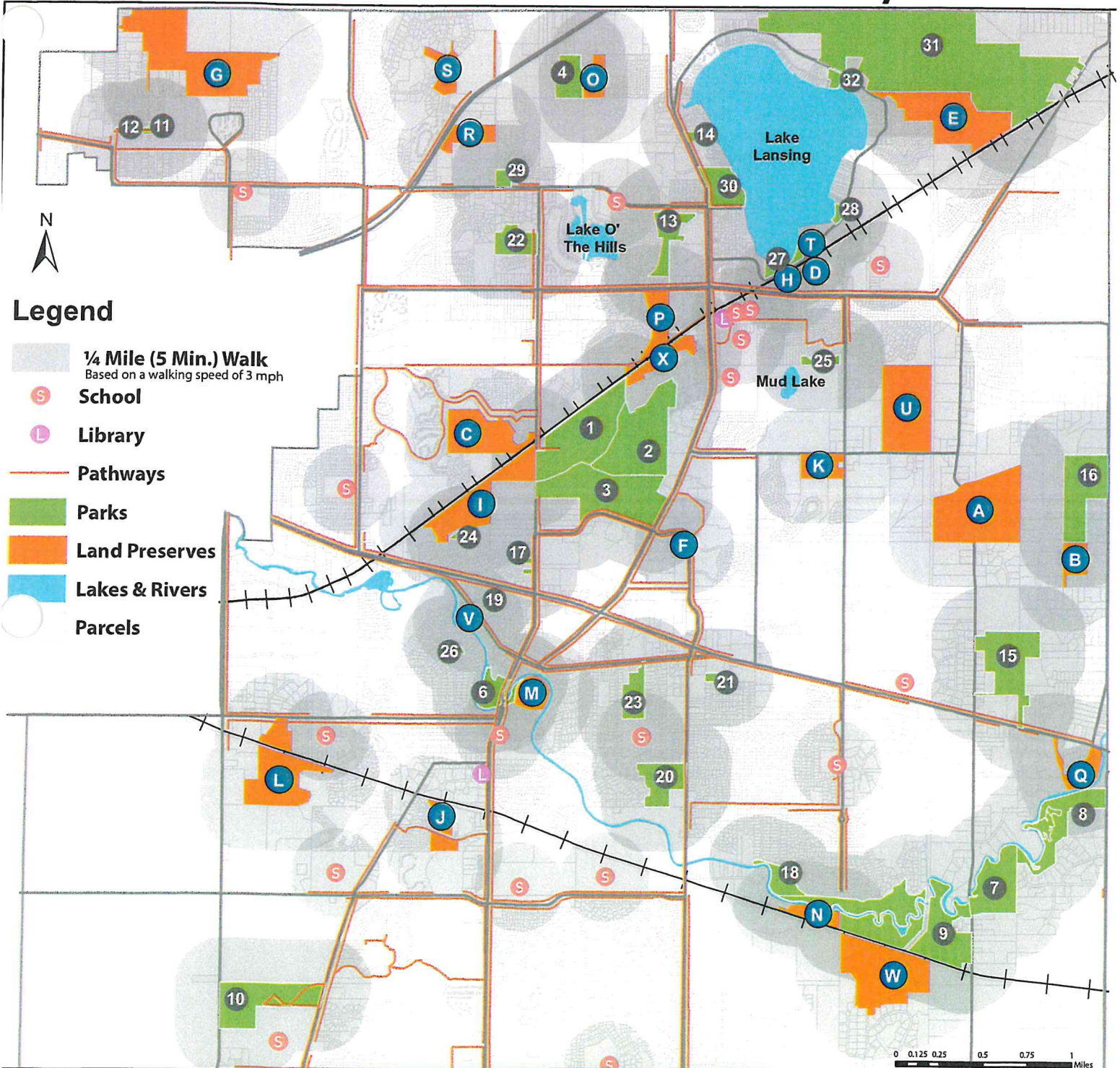
- |                                   |                                     |
|-----------------------------------|-------------------------------------|
| A Davis/Foster Preserve           | M Sumbal Preserve                   |
| B Foster-Crouse Preserve          | N Red Cedar Glen Preserve           |
| C Hubbel Preserve                 | O Towner Wetland Preserve           |
| D Kuzma Preserve                  | P Meridian Central Wetland Preserve |
| E Lake Lansing North Preserve     | Q Red Cedar River East Preserve     |
| F Newman Equities Preserve        | R Forest Grove Preserve             |
| G Towar Woods Preserve            | S North Ridge Preserve              |
| H Lake Lansing South Preserve     | T Tank Wetland                      |
| I Central Meridain Uplands        | U Tihart Preserve                   |
| J Sower Woods Preserve            | V Mandenberg Woods                  |
| K Tihart/Cornell Wetland Preserve | W Ponderosa Preserve                |
| L Southwest Meridain Uplands      | X Nemoke Preserve                   |

For more info: 517-853-4600

[www.meridian.mi.us](http://www.meridian.mi.us)



# Meridian Township Parks & Preserves Walkability



### Meridian Township Land Preserves

A Davis/Foster Preserve	M Sumbal Preserve
B Foster-Crouse Preserve	N Red Cedar Glen Preserve
C Hubbel Preserve	O Towner Wetland Preserve
D Kuzma Preserve	P Meridian Central Wetland Preserve
E Lake Lansing North Preserve	Q Red Cedar River East Preserve
F Newman Equities Preserve	R Forest Grove Preserve
G Towar Woods Preserve	S North Ridge Preserve
H Lake Lansing South Preserve	T Tank Wetland
I Central Meridain Uplands	U Tihart Preserve
J Sower Woods Preserve	V Mandenberg Woods
K Tihart/Cornell Wetland Preserve	W Ponderosa Preserve
L Southwest Meridian Uplands	X Namake Preserve

### Meridian Township Parks

1 Nancy Moore Park	11 Snell-Towar Rec Center
2 Central Park	12 Towar Park
3 Central Park South	13 Hillbrook Park
4 Towner Road Park	14 Marshall Park
5 Wonch Park	15 Ted Black Woods
6 Ferguson Park	16 North Meridian Rd. Park
7 Harris Nature Center	17 Ottawa Hills Park
8 Eastgate Park	18 Red Cedar Natural Area
9 Legg Park	19 Cedar Bend Heights
	20 Sander Farm
	21 Forest Hills Park
	22 Brattin Woods
	23 Tacoma Hills Park
	24 Schriener Park
	25 Orlando Park
	27 Lake Lansing Marsh
	28 Spengler Marsh
	29 Newton Road Park
	30 Lake Lansing Park South

# PATHWAY MASTER PLAN



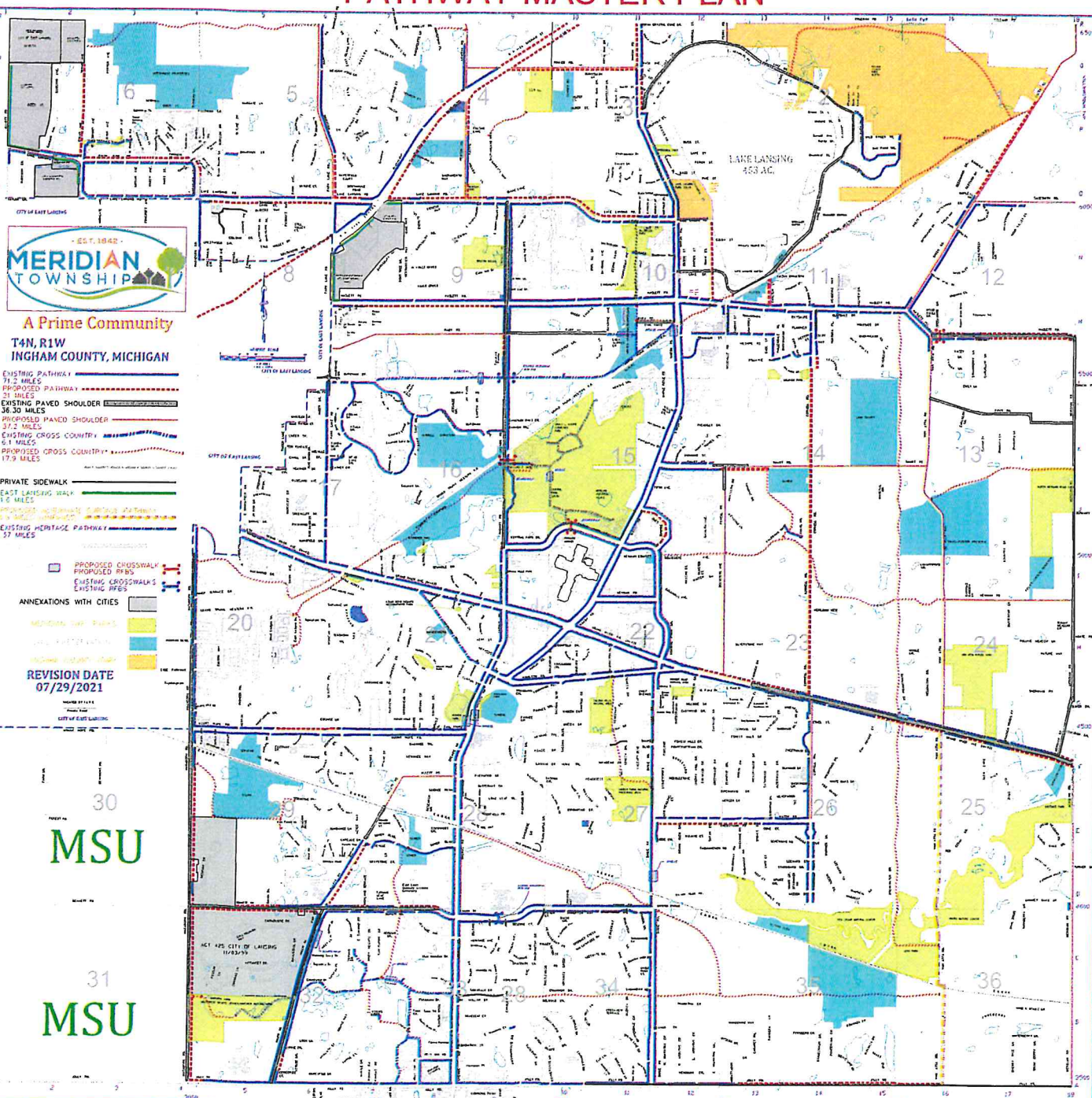
**A Prime Community**  
**T4N, R1W**  
**INGHAM COUNTY, MICHIGAN**

- EXISTING PATHWAY 71.2 MILES
- PROPOSED PATHWAY 15.6 MILES
- EXISTING PAVED SHOULDER 36.30 MILES
- PROPOSED PAVED SHOULDER 37.2 MILES
- EXISTING CROSS COUNTRY 6.1 MILES
- PROPOSED CROSS COUNTRY 17.9 MILES
- PRIVATE SIDEWALK 1.6 MILES
- EXISTING HERITAGE PATHWAY 37 MILES

PROPOSED CROSSWALK  
 PROPOSED RBBS  
 EXISTING CROSSWALKS  
 EXISTING RBBS

ANNEXATIONS WITH CITIES

REVISION DATE  
**07/29/2021**



ABOTT DR	C-11	BRIDGE DR	A-19	CHANDLER DR	H-12	EAST RENOVATE DR	D-11	MADON AVE	D-11	O	SHAGBARK WAY	C-8	TANOR CT	D-11	WELSHAMER WAY	H-8
ALCANTARA DR	C-11	CHANDLER DR	A-19	CHANDLER DR	H-12	EAST SLEEPY HOLLOW DR	H-13	MADON AVE	D-11	O	SHAGBARK WAY	C-8	TANOR CT	D-11	WELSHAMER WAY	H-8
ALCANTARA DR	C-11	CHANDLER DR	A-19	CHANDLER DR	H-12	EAST SLEEPY HOLLOW DR	H-13	MADON AVE	D-11	O	SHAGBARK WAY	C-8	TANOR CT	D-11	WELSHAMER WAY	H-8

# Basic Safe Paddling Practices:

- Take a paddling instruction course
- Always wear a life jacket
- Wear bright colored clothing and reflectors
- Never paddle alone
- Inform others of your trip
- Routinely inspect all equipment
- Learn your route ahead of time
- Avoid high water, high winds and storms, and cold water
- "If in doubt, get out and scout!"
- Never paddle over submerged dams or fallen trees



## Helpful Resources

American Canoe Association

[www.Americancanoe.org](http://www.Americancanoe.org)

Michigan Association  
Paddlesport Providers

[www.Michigancanoe.com](http://www.Michigancanoe.com)

Michigan's Great Lakes  
Water Trails

[www.Michiganwatertrails.org](http://www.Michiganwatertrails.org)

Interested in canoeing, kayaking,  
and improving paddling  
opportunities in  
Mid-Michigan?

Join the

**Lansing Oar and Paddle Club!**

For more information visit

[www.Loapc.org](http://www.Loapc.org)



## Red Cedar River Water Trail

The Red Cedar River is a tremendous resource for outdoor enthusiasts throughout Mid-Michigan. It provides numerous opportunities for recreation, education and nature observation. Experience the 23 mile - 14 hour Red Cedar River Water Trail from Williamston to the Grand River confluence near Cherry Hill Boat Launch in Lansing.





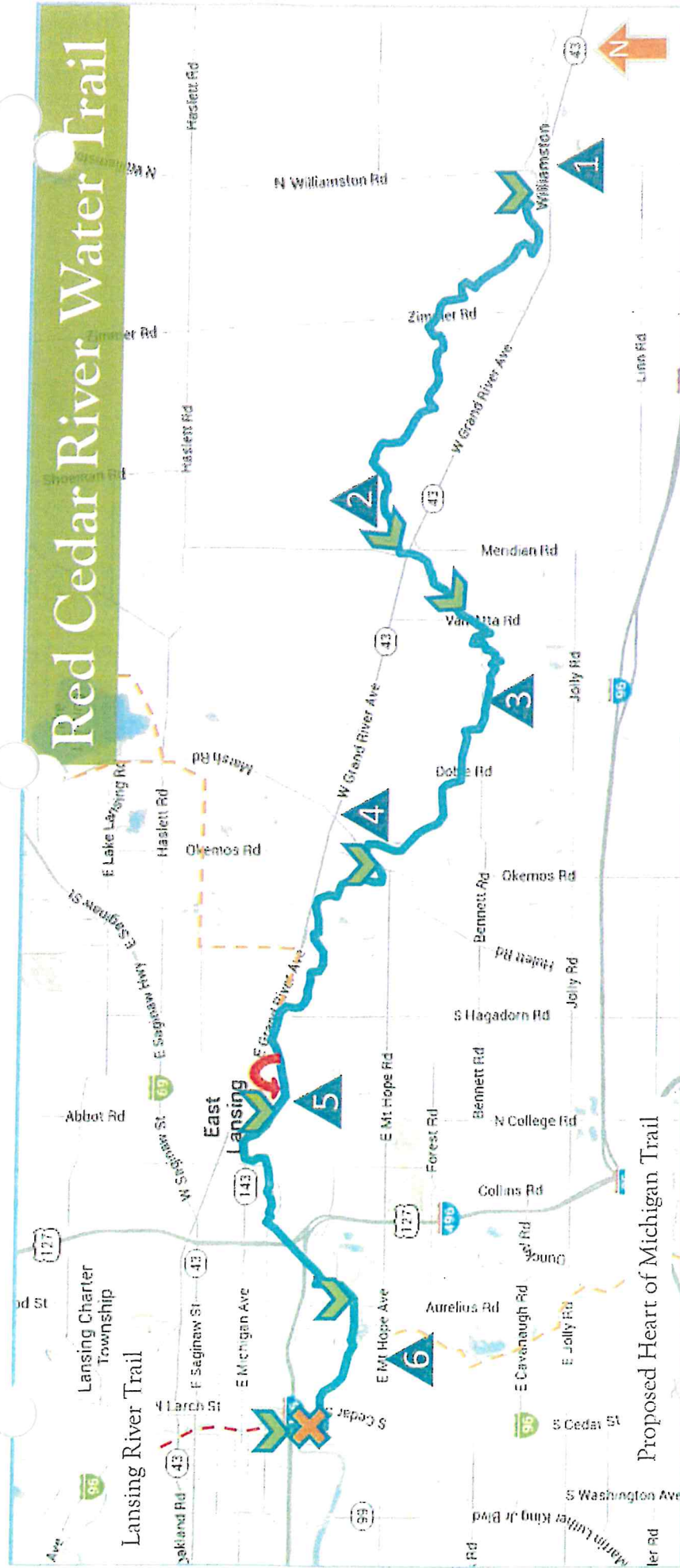
Mile #	Launch	Portage	Confluence	Distance to Next		Time to Next		Accumulated		Seasonal Restroom
				Launch	Distance	Launch	Time	Distance	Time	
1	McCormick Park			6 miles		2 hours		6 miles	2 hours	Yes
2	Red Cedar Roadside Park			1.8 miles		1 hour		7.8 miles	3 hours	Yes
3	Harris Nature Center			2.4 miles		1.5 hours		12.6 miles	6 hours	Yes
4	Ferguson Park			4.8 miles		3 hours		17.4 miles	9 hours	No
5	MSU			3.2 miles		3.5 hours		20.6 miles	12.5 hours	No
6	Aurelius Road/Kruger Landing			1.9 miles		1 hour		22.5 miles	13.5 hours	No
7	Confluence with Grand River			.3 miles		0.25 hours		22.8 miles	13.75 hours	No
8	Cherry Hill Boat Launch									No

**Mile #**  
**Launch**  
**Portage**  
**Confluence**



# Red Cedar River Water Trail

## Lansing River Trail



-  Map #
-  Launch
-  Portage
-  Confluence



The Red Cedar River is a tremendous water resource, stretching from Livingston County to the Grand River in Lansing. With a watershed of approximately 472 square miles, it provides many opportunities for recreation, education, nature observation and serves as an important drain way for the communities along the way. Experience the 23 mile - 14 hour Red Cedar River Water Trail from Williamston Township to the Grand River confluence and Cherry Hill Boat Launch in Lansing.



# Township Parks & Amenities

## Township Parks

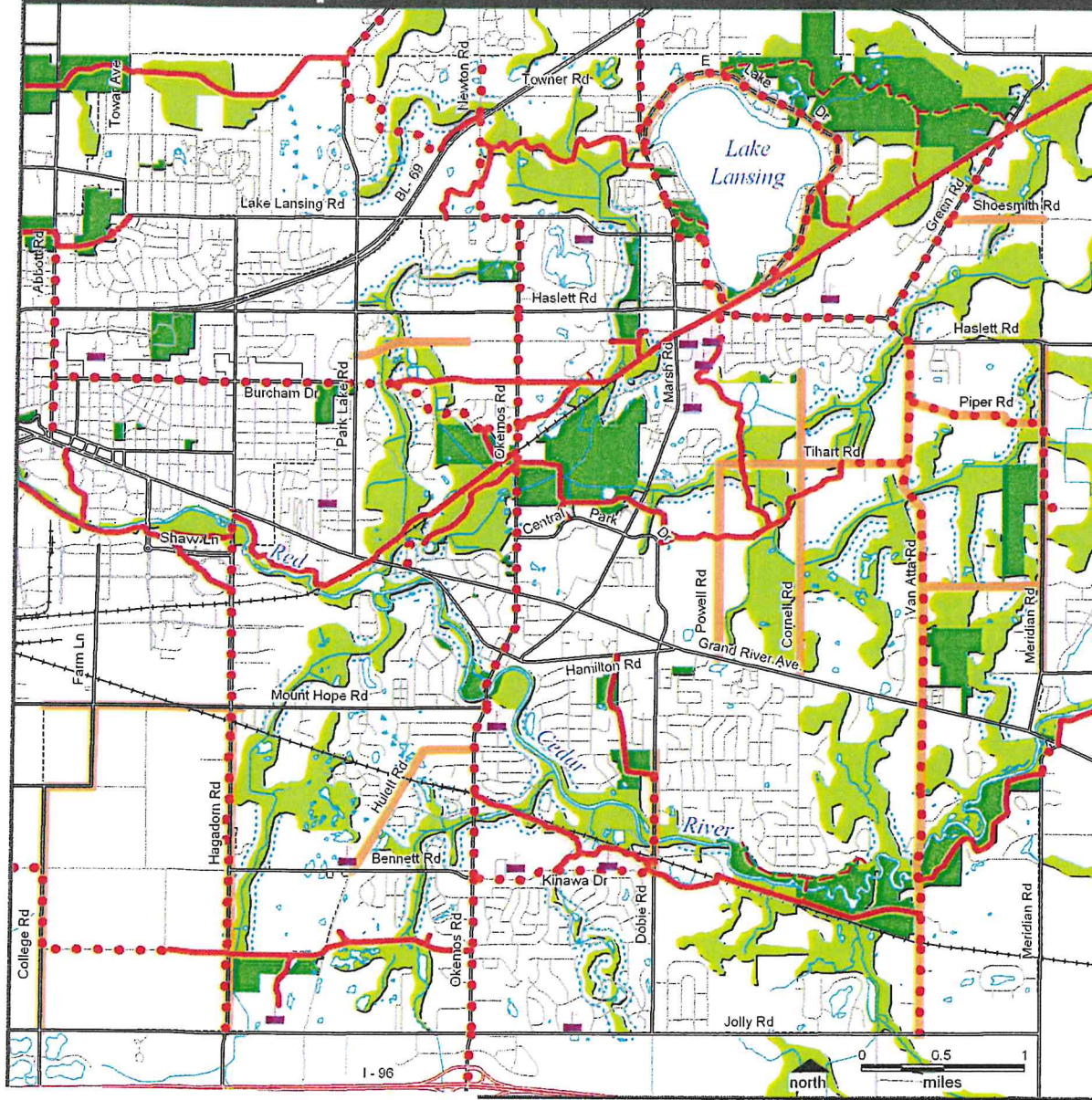
	Acres	Parking	Trails (W-nature) (P-paved)	Natural Area with No Amenities	Lake   Pond   River   Drain   Wetland	Restrooms   Portable Toilets	Perfume   Buildings   with set hours	Drinking Fountain	Electricity	Grill(s)	Phone Amenities	Fishing Access	Riding Dock	Canoe   Kayak Launch	Boat Launch	River   Pond   Wetland   Overlook   Dock	Play Equipment	Nature Exploration Area	Story   Book   Trail	Soccer   Football   Lacrosse Fields	Baseball   Softball   Baseball	Baseball Court	Public Ball Court   Tennis Court	Sand Volleyball Court	Skating (Ice)   Pump Track	Heavenly Hills   Gaga Ball	Fitness Equipment   Dog Park	Open Space for Activities
1 Nancy Moore Park 1960 Gaylord C. Smith Court	40	x	N/P		D	R	P	x	x	x	x						x		x	x	x					GB	DP	x
Parks & Recreation Office		x				R	B																					
2 Central Park 5151 Marsh Rd	197	x	N		P	R	P	x	x		x	x	x			x	x		x							HP		x
Township Building/Public Safety Building		x				R	B																					
Meridian Historical Village		x				B																						
Hokemis Learning Center		x				R	B																					
Farmers' Market Pavilion		x				R	P																					
3 Central Park South 1990 Central Park Dr	15	x	N/P		P					x	x	x																
4 Towner Road Park 2055 Towner Rd	23.6	x	P		W	R	P	x	x	x	x								x	x								
5 Wonch Park 4555 Okemos Rd	15	x	P		R	R	P	x	x	x	x															HP	FE	x
6 Ferguson Park 4540 Okemos Rd	5.7	x			R	R		x		x	x			x														
7 Harris Nature Center 3998 Van Atta Rd	48	x	N/P		R	R/P	B	x		x	x	x				x		x										
8 Eastgate Park 4203 S. Meridian Rd	53	x	N		R		P			x	x	x														PT		x
9 Legg Park 3891 Van Atta Rd	103	x	N		R		P			x		x																
10 Hartrick Park 3685 Hulett Rd	60.7	x	N/P		P	R	P	x	x	x	x					x	x			x	x							
11 Snell-Towar Recreation Center 6146 Porter St		x				R	B	x																				
12 Towar Park 6146 Porter St	4									x	x																	
13 Hillbrook Park 1747 Lake Lansing Rd	25.4	x	N		D			x		x	x									x	x	x						
14 Marshall Park 6105 Marsh Rd	5	x								x	x																	
15 Ted Black Woods 540 Grand River Ave   4714 Van Atta Rd	74	x	N		W					x						x												
16 North Meridian Road Park 5191 N. Meridian Rd	60	x	N			R	P	x	x	x	x									x						SH	GB	x
17 Ottawa Hills Park 4980 Hillcrest Ave	3				D					x																		
18 Red Cedar Natural Area 1455 Oscoda Rd	56			x	R																							
19 Cedar Bend Heights Neighborhood Park 2280 Kanmore Dr	0.33									x																		
20 Sander Farm Preserved Natural Area 4344 Dobie Rd	34		N		D																							
21 Forest Hills Park 4625 Northview Dr	4		N																									
22 Bratlin Woods 5851 Okemos Rd	22.2	x	N		W																							
23 Tacoma Hills Park 1815 Hamilton Rd	22		N																									
24 Schriener Park 5039 Algonquin Way	1			x																								
25 Orlando Park 1275 Orlando Dr	1.3		P					x		x																		
26 Indian Hills Park 4730 Nakoma Dr	3																											
27 Lake Lansing Marsh 1430 Lake Dr	46			x	W/L																							
28 Spengler Marsh 5929 Lake Dr	3.3			x	W/L																							
29 Newton Road Park 6025 Newton Rd	5	x																										
30 Lake Lansing Park South (Ingham County Park)	30	x			L	x	x			x	x	x		x												HP		x
31 Lake Lansing Park North (Ingham County Park)	530	x	N		L	x	x			x	x			x						x	x							
32 Lake Lansing Park Boat Launch (Ingham County)					L	x				x	x			x														

## Share the Trails

Everyone enjoys the parks in their own way. Here are things you can do while in the parks to be respectful for the next visitor. Footprints and paw prints ruin established ski tracks. Please do your part to preserve these ski trails. Remember that muddy trails are for foot traffic only, so please refrain from riding bikes and horses on the trails at these times. Bring your pets along for your walks but keep them on a leash and clean up after them (these are both code violations). **#scoopthepoop**



**Fig. 3a. Greenspace Plan**



**Legend**

- Non-motorized Corridors:
- Foot Trail (Outside Road ROW)
  - Shared-use Path (Outside Road ROW)
  - On or Adjacent to Roadway (See Page 19 for Specific Types)
  - Scenic Road Corridor
  - Priority Conservation Corridor
  - Parks and Open Space
  - Highlights Areas of Special Concern: Fragile Links
  - ▲▲▲▲ Areas of Special Concern: Restoration Opportunities
  - Public School Properties

The major feature of the plan is its emphasis on linked systems for connecting natural areas, people and places around the Township. The linked system is designed to provide a diversity of functions from protection of habitat to preservation of scenic views. The plan has been formulated using scientific principles of landscape ecology and conservation biology as well as input from the citizens of the Township, the development community, and appointed public officials.

The Greenspace Plan is comprised of three key elements:

- Priority Protection Corridors
- Scenic Road Corridors
- Non-Motorized Corridors



# Wetland Outreach & Restoration Plan

*(draft 1/10/22)*

**Overview** ..... 2

**Build Back the Buffer**..... 2

    Letter to Residents/Property Owners..... 3

**Policy & Procedure Review** ..... 4

**Demonstration Projects & Field Programs** ..... 4

    Lake-Healthy Landscaping ..... 4

**Outreach** ..... 5

    Messaging Research ..... 5

    Media Campaign ..... 5

    Seasonal Themes ..... 5

    HOLIDAYS ..... 6

    Outreach to Developers/Builders/Business ..... 7

**Progress** ..... 7

**Resources**..... 8

    Organizations..... 8

**Note:** *This is an evolving plan. Please share your ideas...visions, hopes, dreams, edits, and suggestions!*

## Overview

Meridian Township is developing a program to help protect, restore, and enhance our greenspaces, wetland, yards, and landscapes. A key focus is on restoring and creating natural buffer zones that provide habitat, reduce erosion, absorb and filter stormwater and provide natural beauty and recreational value.

A variety of outreach efforts are planned in partnership with the Parks, Planning, Engineering and Communication Departments, along with the Environmental Commission, Land Preservation Advisory Board, Board of Trustees, and other Township boards and commissions. In addition to restoring natural habitat, our hope is to restore community connection to our local wetlands as we work with local landscaping firms, volunteer groups, schools, developers, the MI Shoreline Stewardship Partnership, MSU Extension, and the Meridian Conservation Corps.

Outreach and activities include:

1. Build Back the Buffer (and related ecological landscaping and green infrastructure improvements)
2. Policy and Procedure Improvements
3. Demonstration Projects & Field Programs
4. Outreach

## Build Back the Buffer

This an effort to foster ecological landscaping practices in the Township focusing on the protective buffer zones around wetlands. A variety of approaches including native gardens, natural shorelines, rain gardens, trees, invasive species removal, bubble buffers, reduced mowing, and other strategies will be pursued with a focus on demonstration sites and households on or adjacent to wetlands.

Materials and plans needed for the buffer restoration program:

- Budget for matching funds (and excepts or funds to help eliminate match)
  - How do we determine how much to spend on an area
  - Each buffer will differ in size and amount of restoration work, so prices could vary greatly
  - It will also depend on how much the landowner can contribute
  - What are sources of grants (DNR, EGLE, Infrastructure, Land Pres., etc.)
- Application process for individual/business/school to participate in the buffer restoration and receive funds (may utilize and build upon the Green Infrastructure Grant Program piloted in 2021, the Community Garden Application process, and/or Solarize Meridian Neighborhood Workshops)
- A list of properties the Township would be interested in restoring
  - Township properties (Farmers Market ditch gardens, Central Park Pond, etc.)
  - Residential or commercial properties with high visibility
  - Areas of high ecological importance (properties near the Davis-Foster Preserve, etc.)
- A native plant list for applicants to peruse, as well as resources for the website under the wetland buffer tab
- A contact list for questions:
  - Landscape design assistance

- Who to contact for a buffer consultation
- Who to contact for ordinance related questions
- Resources for homeowners who would like to participate on their own
- A step-by-step procedure for how to take calls and go over applications
- Letter (see sample below)

## Letter to Residents/Property Owners

(Draft: 12/13/21)

Dear Wetland Neighbor:

You are receiving this letter due to the wetland that occurs adjacent to your property. You may have already received a letter from the Township, about the local wetland ordinance that protects all wetlands  $\frac{1}{4}$  of an acre in size or larger. As a next step in our mission to enhance and protect our local wetlands, we would like to take this opportunity to help you restore the wetland buffer on your property. This buffer is the area around a wetland, which reduces adverse impacts to wetland functions and values from nearby development and activity. As you may know, the ordinance requires a vegetative buffer of at least 20 feet around all wetlands in the Township. This is not only to improve the wetland habitat for local flora and fauna, but to benefit the homeowner as well.

The wetland on your property is capable of storing a large amount of flood water, which is becoming more unpredictable each year. In order to function properly and reap the benefits of wetlands, native vegetation must be restored along the edge of the water body. Sod, which is often present in residential settings, has shallow roots and requires mowing, which can also be an issue of erosion and destruction for the wetland. Most importantly, a lack of vegetation in this area, can cause major flooding in your yard and surrounding areas. Native plants have root systems that extend anywhere from 1 to 20 feet into the soil. Wetlands may change their water level from year to year, and having a buffer will reduce water creeping into your yard. One acre of wetland can store up to 1.5 million gallons of water according to the Environmental Protection Agency (EPA). Taking care of our local wetlands will help reduce flood damage to this community in the future, and you can be a part of that.

We know this can be a big project, so we would like to help get you started. We can offer a match of funds to acquire native plants, as well as give guidance on what species would be best to plant in your area. The Meridian Conservation Corps staff and volunteers will be on hand to help prepare the area and plant. Once this buffer is established, it will be very low maintenance. You will still be able to mow your yard right up to the buffer line, keeping your yard the way you like, as well as providing better protection for the wetland. Please see some of the attached photos as a demonstration of what your buffer could look like. If you are interested in participating, please contact Emma Campbell at [ecampbell@meridian.mi.us](mailto:ecampbell@meridian.mi.us), or call 517.853.4614. Thank you in advance for doing your part to keep Meridian Township a healthy, and sustainable community.

Sincerely,

Emma Campbell  
 Land Stewardship Coordinator  
 Meridian Township Parks and Recreation  
 c.c.: Land Preservation Advisory Board  
 Tim Schmitt, Director of Community Planning and Development

## Policy & Procedure Review

Several policy and procedural changes will be helpful including:

- Incorporate recommendations outlined by Cliff Walls (TCRPC) in his Green Infrastructure Audit and Code Review. Focus on low-hanging fruit. Work with new regional coordinator, Code Committee, and local governments (EL, Williamstown Twp., Lansing, Delhi, etc.)
- Maximize the use of energy-saving and ecologically-friendly landscaping practices and procedures in Township Operations.
- Incorporate water, wetland, green infrastructure-related priorities in the Climate Sustainability Plan and Master Plan revisions.
- Develop easy-to-read and understand guidelines for the public, developers, builders, etc. (Wetland Permits, Soil Erosion, eco-landscaping, etc.)
- Other?

## Demonstration Projects & Field Programs

Identify existing and potential sites to serve as demonstration sites for buffers, ecological landscapes, rain gardens and other green infrastructure examples such as: Marketplace on the Green, Central Park Pond, Briarwood Pond, Greenmap sites, Towar Garden Rain Gardens, Land Preserves, Natural Shorelines, Silverleaf or other innovative developments, Meridian Mall, Okemos Rd. Property and other sites on the Meridian Green map: <http://bit.ly/meridiangreenmap>

Conduct field programs in partnership with Meridian Conservation Corps (MCC) and others (schools, neighborhoods, residents, businesses, MI Shoreline Stewards, faith-based groups, etc.). Projects could include shoreline restoration, buffer planting, rain garden planting and maintenance, workshops on-line or in the field, tree planting days, neighborhood clean ups, invasive species removal, sustainable home and yard tour, etc.

### Lake-Healthy Landscaping

Lake Lansing has been a long-time focus of the community and amenity for the entire Greater Lansing region. There is renewed interest in strategies to help address toxic algae blooms, erosion, flooding, and water quality issues while serving multiple interests and goals. A variety of partners including Meridian Township, Lake Lansing Advisory Committee, MI Natural Shoreline Partnership, Meridian Conservation Corp, contractors, landscaping professionals, residents, and others will seek to identify, highlight, install, and demonstrate natural shorelines and other lake-healthy landscaping and related practices.

Focus sites and groups include:

- public (or private) stretch of shoreline where lawn is mowed to the edge and naturalize it
- County parks – especially as they upgrade the boat launch and “unprotected shore lines” north of the swim area all the way to Pike Street and south of the swim area
- road ends leading to the lake such as Mack and Perry Road
- the Condo association on the north end which has a lot of non seawalled shoreline
- properties along Shaw Street where residents continue to pull cattails to open up access (suggest natural shoreline as a replacement for cattails?)
- properties that do not have seawalls
- other lakes and ponds in the township

# Outreach

## Messaging Research

Craft messages based on current social research.

[https://www.mishorelinepartnership.org/uploads/4/6/8/6/46869113/part\\_4\\_the\\_social\\_stuff\\_3-8-19.pdf](https://www.mishorelinepartnership.org/uploads/4/6/8/6/46869113/part_4_the_social_stuff_3-8-19.pdf)

## Media Campaign

Work with HOMTV to plan regular media outreach through all possible channels including social media. This will include website, news/press releases, Facebook/Instagram/Twitter, Prime Meridian Magazine, Green Gazette, Think Green Thursday, etc. (See "Seasonal Themes" below)

Kick Off and Priority Events could include the World Watershed Day (Feb. 2), MCC Stewardship Days/Seasonal Schedules, Sustainable Home Tour, Demonstration Site workdays or completions, classes/green Theme Presentations, Green Fair at the Marketplace, etc.

Respond to "Breaking Stories" (timely, impact, prominent, close, relevant, useful, novelty, conflict, human interest) – flooding, storm events, droughts, blue-green algae outbreak, etc.

## Seasonal Themes

### Winter

- Kick Off – World Wetlands Day – Feb 2
- Watershed tips: SALT
- Conservation Corps Work Days
- FOG (fats oils and grease)

### Spring

- Build Back the Buffer/Green Grants
- Spring gardening and landscaping (pollinator, community gardens, native plants)
- Spring Cleaning/Clean Up with Granger
- Green Fair

### Summer

- Conservation Corps Work Days
- Watershed tips: Water Conservation, car washing, scoop the poop
- HHW
- Demonstration projects

### Fall

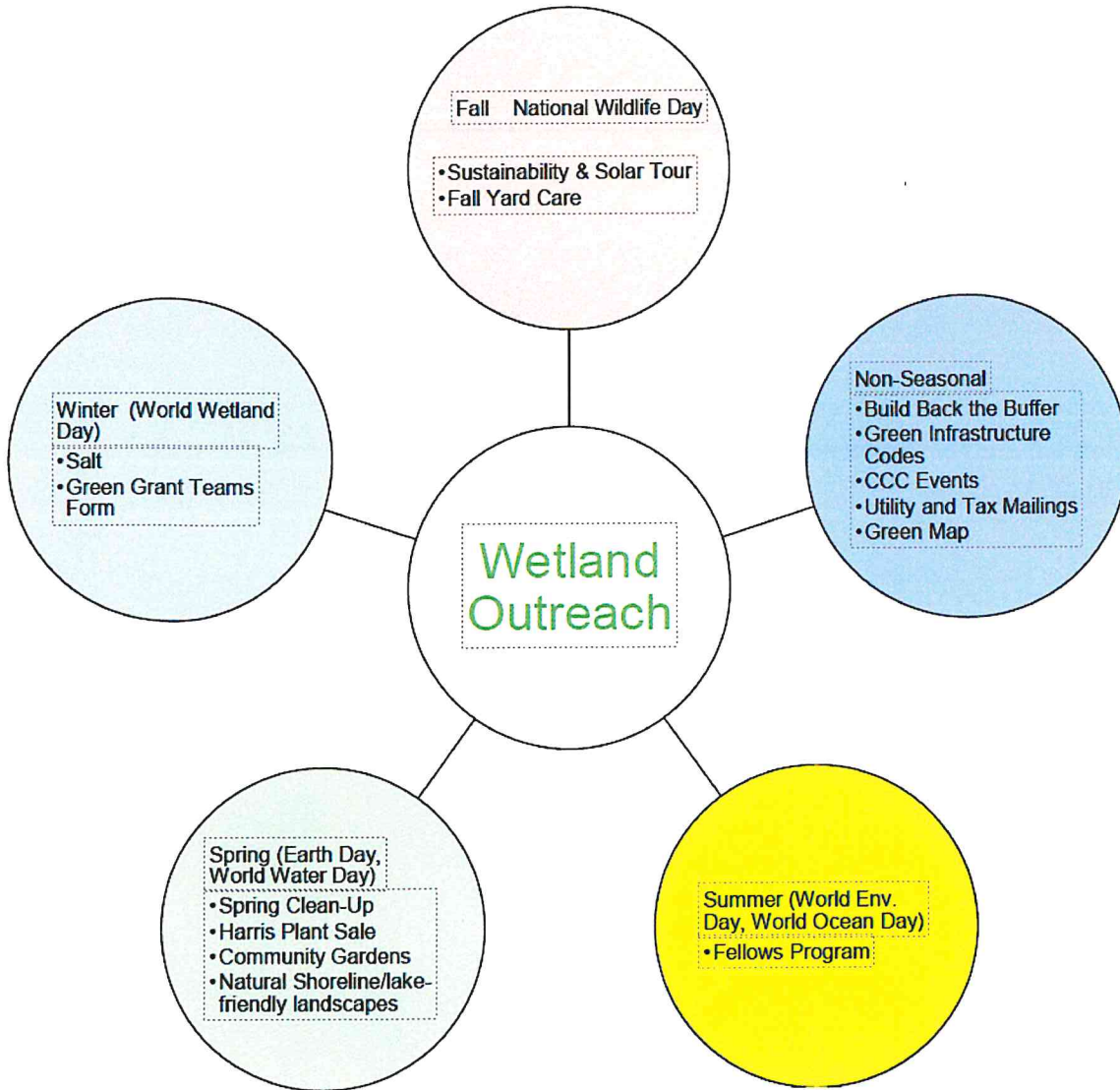
- Solar and Sustainability Tour – Green Map
- ICD Tree Sale – Tree Planting
- Composting, Yard Waste, Fall eco-landscaping 8 Rs
- 

### Other Ongoing

- Info in property tax/water bills: [Watershed Tips](#) (TCRPC): Fun Facts about Watersheds/Wetlands, Stream Monitoring, Green Map, Outreach - Neighbor Networks, Motor Oil, FOG, Wipes, HHW/Paint
- Code Flyer/Guide
- Big Drain Projects
- Student Organizations/Projects
- Healthy Ponds and Lakes
- Demonstration Projects

# HOLIDAYS

Sept	4 <sup>th</sup> : National Wildlife Day
Oct	Sustainable Home and Yard Tour
Nov	1 <sup>st</sup> : World Vegan Day 15 <sup>th</sup> : America Recycles Day
Jan	1 <sup>st</sup> : New Year's Day- Resolve to go <i>GREEN!</i>
Feb	2 <sup>nd</sup> : World Wetlands Day
Mar	3 <sup>rd</sup> : World Wildlife Day 21 <sup>st</sup> : International Day of Forests 22 <sup>nd</sup> : World Water Day
Apr	Week before Earth Day: National Environmental Education Week 22 <sup>nd</sup> : Earth Day 26 <sup>th</sup> : National Healthy Schools Day Last Friday: Arbor Day
May	22 <sup>nd</sup> : International Day for Biological Diversity 23 <sup>rd</sup> : World Turtle Day
Jun	1 <sup>st</sup> Saturday: National Trails Day 5 <sup>th</sup> : World Environment Day 8 <sup>th</sup> : World Ocean Day





## Outreach to Developers/Builders/Business

Provide information and resources to residents, builders, businesses, and developers related to Build Back the Buffer, green infrastructure, LEED, local sources of seed and native plants and seeds, and related resources to encourage eco-friendly development.

Develop simplified handouts related to wetland permits, code guidelines, stormwater management, and, of course, "Build Back the Buffer" program.

Highlight successful projects and assist in new demonstration projects.

Work with the Drain Commissioner to promote new guidelines for drainage projects. (example – all native plants/seed, etc.)

Promote other water-saving and pollution reduction opportunities (fats, oils, and grease, soil erosion control, best practices (salt, pavement sealants, etc.), ecological lawn care, pollinator gardens, as opportunities arise.

## Progress

- Mailed letter and brochure to 1460 residents
- Green Gazette sent to 2000 households (mostly Meridian)
- Mailed wetland info to Green Neighbors and Meridian Staff
- Neighborhood Clean-Up in collaboration with MCC, Granger, and others
- Green Grants to School Presentations/new application form.
- Website update: <https://www.meridian.mi.us/community/green-meridian>
- Developed [8 Rs for Fall Yard Care](#)
- Solar and Sustainable Tour (featured Green Infrastructure & Green Map)
- Distributed 180 Trees (Farmers Market)/Other?

## Resources

[www.mywatersheds.org](http://www.mywatersheds.org)

Washington State Department of Ecology:

[https://www.spk.usace.army.mil/Portals/12/documents/regulatory/pdf/Wetland Buffers Use and Effectiveness.pdf](https://www.spk.usace.army.mil/Portals/12/documents/regulatory/pdf/Wetland%20Buffers%20Use%20and%20Effectiveness.pdf)

Green Infrastructure Code and Ordinance Manual (draft)

[https://drive.google.com/file/d/1vL44e-gvgHOvARLj63p5lV\\_vj0\\_lCtLS/view?usp=sharing](https://drive.google.com/file/d/1vL44e-gvgHOvARLj63p5lV_vj0_lCtLS/view?usp=sharing)

Environmental Protection Agency: [www.epa.gov/wetlands/wetlands-factsheet-series](http://www.epa.gov/wetlands/wetlands-factsheet-series)  
[www.mywatersheds.org](http://www.mywatersheds.org)

<https://cfpub.epa.gov/npstbx/index.html>

[https://www.mishorelinepartnership.org/uploads/4/6/8/6/46869113/part 4 the social stuff 3-8-19.pdf](https://www.mishorelinepartnership.org/uploads/4/6/8/6/46869113/part_4_the_social_stuff_3-8-19.pdf)

<https://www.semcog.org/protect-our-waterways#770115-what-you-can-do-about-lawn-care>

<https://www.semcog.org/protect-our-waterways#770116-what-you-can-do-with-landscaping>

## Organizations

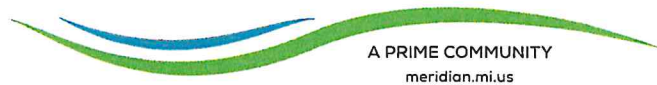
- Meridian Wetland Outreach Team (Kendra, LeRoy, Courtney, Emma, Paige, Brandy)
- Meridian Departments/staff, Commissions, and Subcommittees
- Neighborhood Associations
- Meridian's Lake Lansing Consultant/Contractor
- Lake Lansing Advisory Committee
- Ingham Conservation District
- Mid-Michigan CISMA (for potential invasive species management as part of the buffer restoration)
- Green Neighbors Network
- Wildtype Native Plant Nursery
- Designs By Nature Native Plant Nursery
- Michigan Natural Shoreline Stewards
- State of Michigan: EGLE, DEQ, others?
- MSU Extension (Paige Felice)
- U of M Sustainability Fellows
- Wild Ones Red Cedar Chapter (demonstration and expertise from local residents who are already maintaining buffers and native vegetation in their yards)
- Volunteer wetland delineators: to ensure that we place restoration buffer in the correct spot There are a few Township contacts who may volunteer to do this



**A Prime Community**

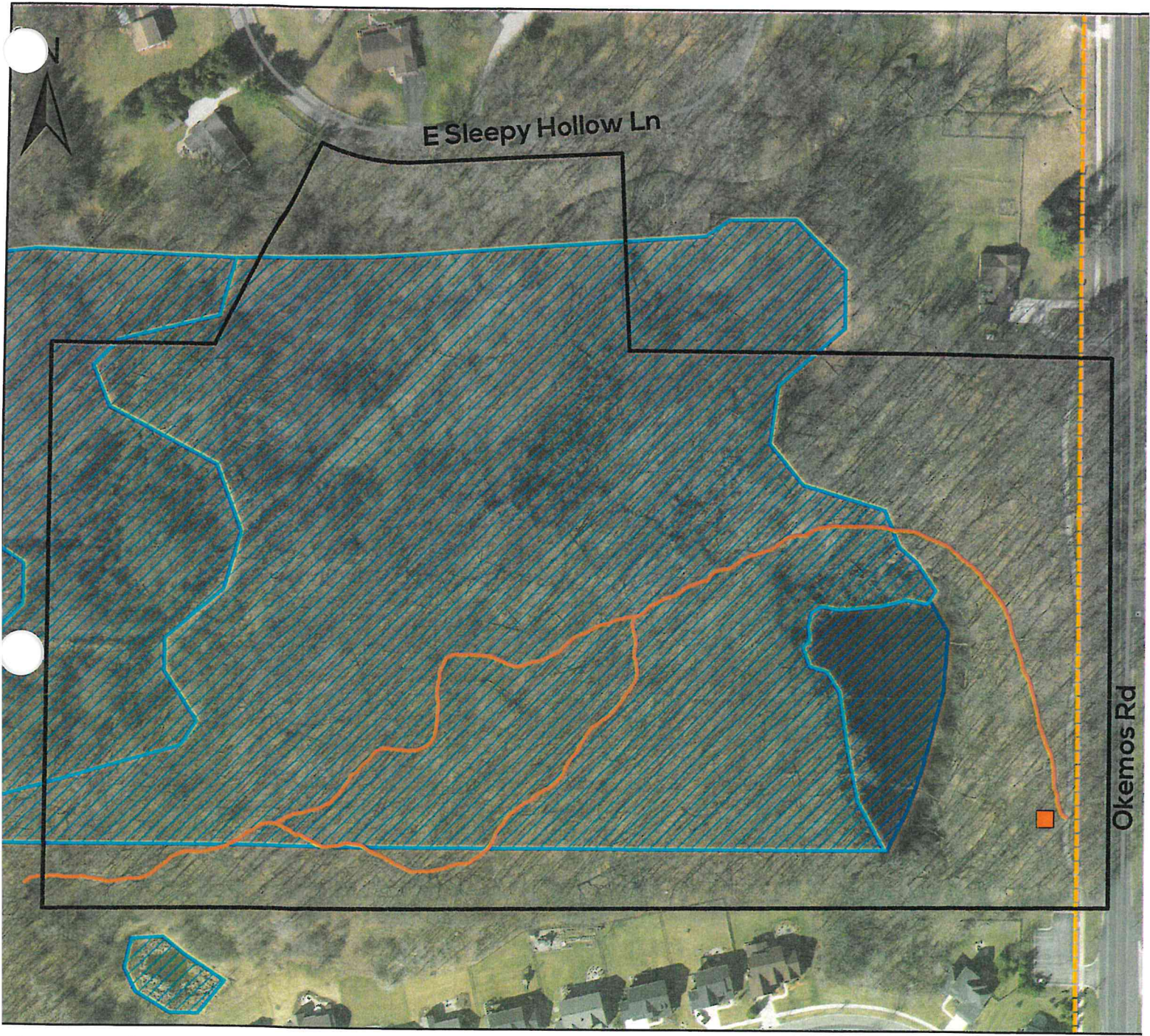
## **Appendix B:**

**Maps of Township Parks**



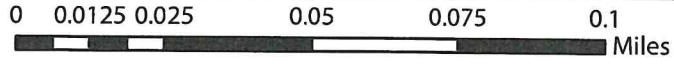
A PRIME COMMUNITY  
meridian.mi.us

# Brattin Woods



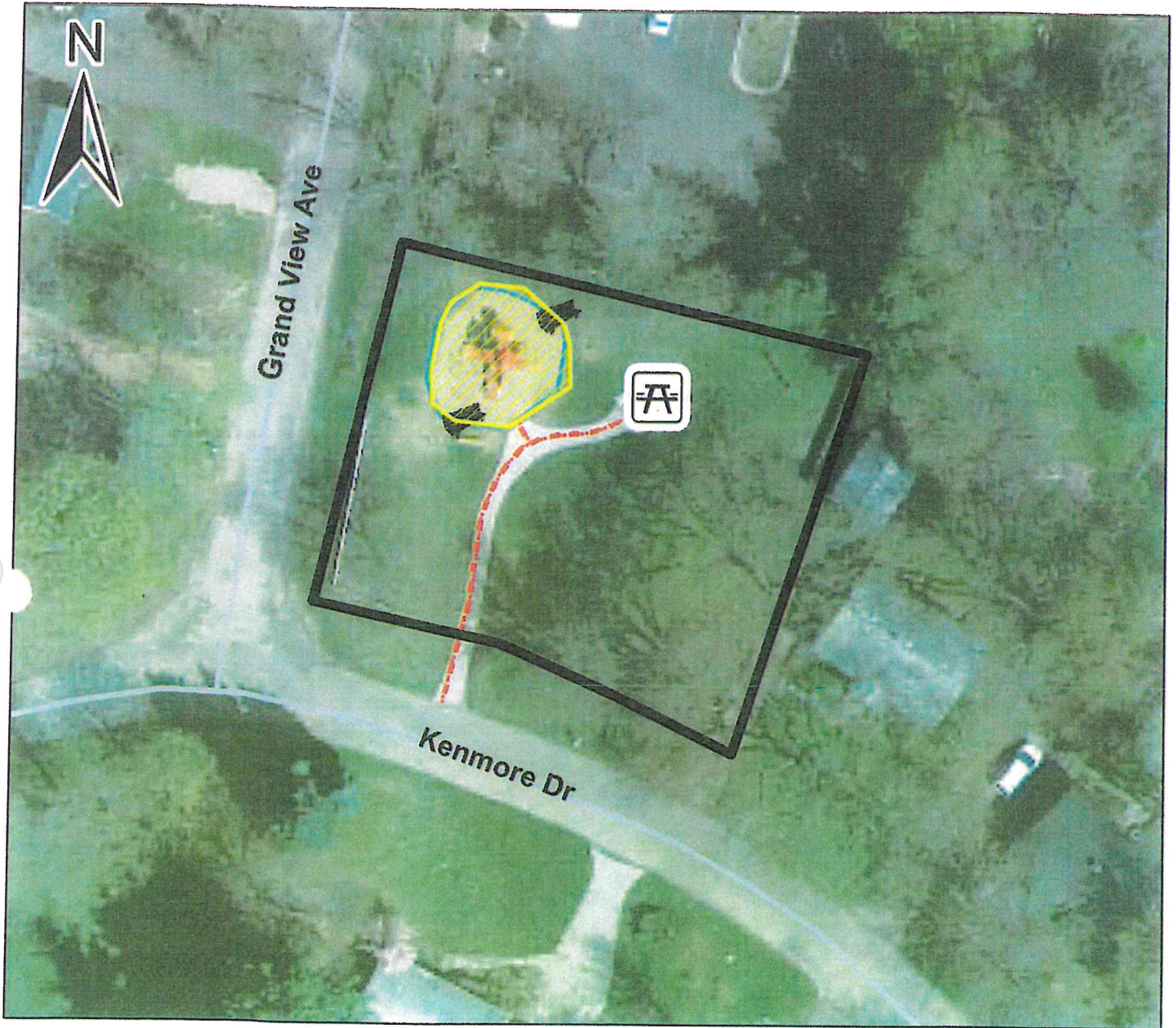
## Legend

-  Park
-  Unpaved Trail
-  Overlook
-  Roads
-  Paved Pathway
-  Wetland
-  Pond







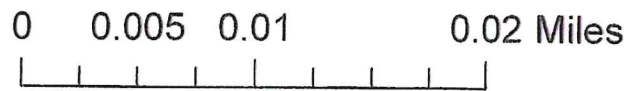
**Address: 5851 Okemos Road, Okemos**  
**Area: 22 acres**  
**Amenities: Wooded Trails**

# Cedar Bends Heights Park



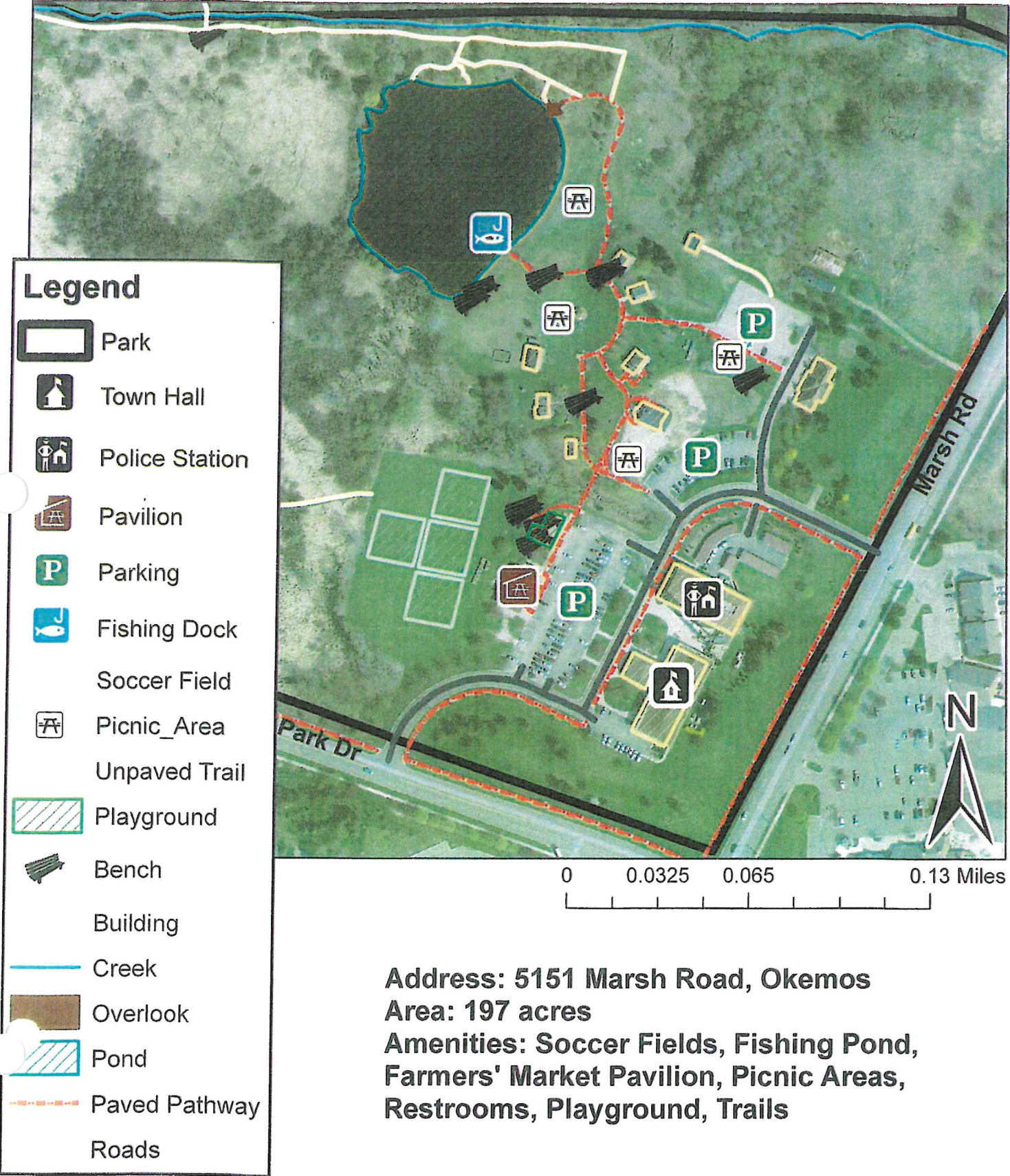
**Legend**

-  Park
-  Playground
-  Picnic Area
-  Roads

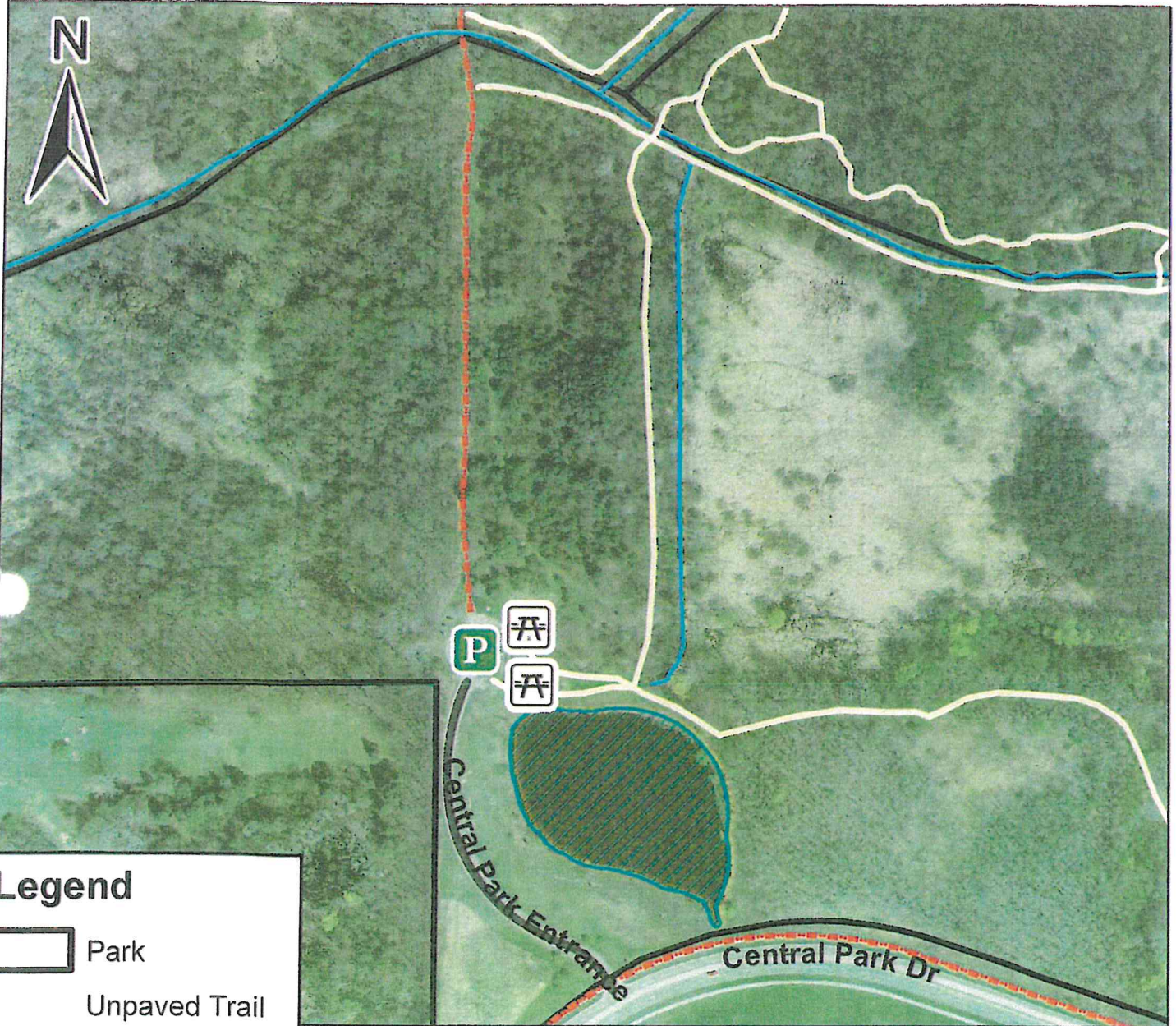


**Address: 2280 Kenmore Drive, Okemos**  
**Area: 0.3 acres**  
**Amenities: Picnic Area, Play Equipment**









# Central Park (Historical Village & Town Hall)



# Central Park South



## Legend

-  Park
-  Unpaved Trail
-  Paved Pathway
-  Pond
-  Creek
-  Parking
-  Picnic Area
-  Roads

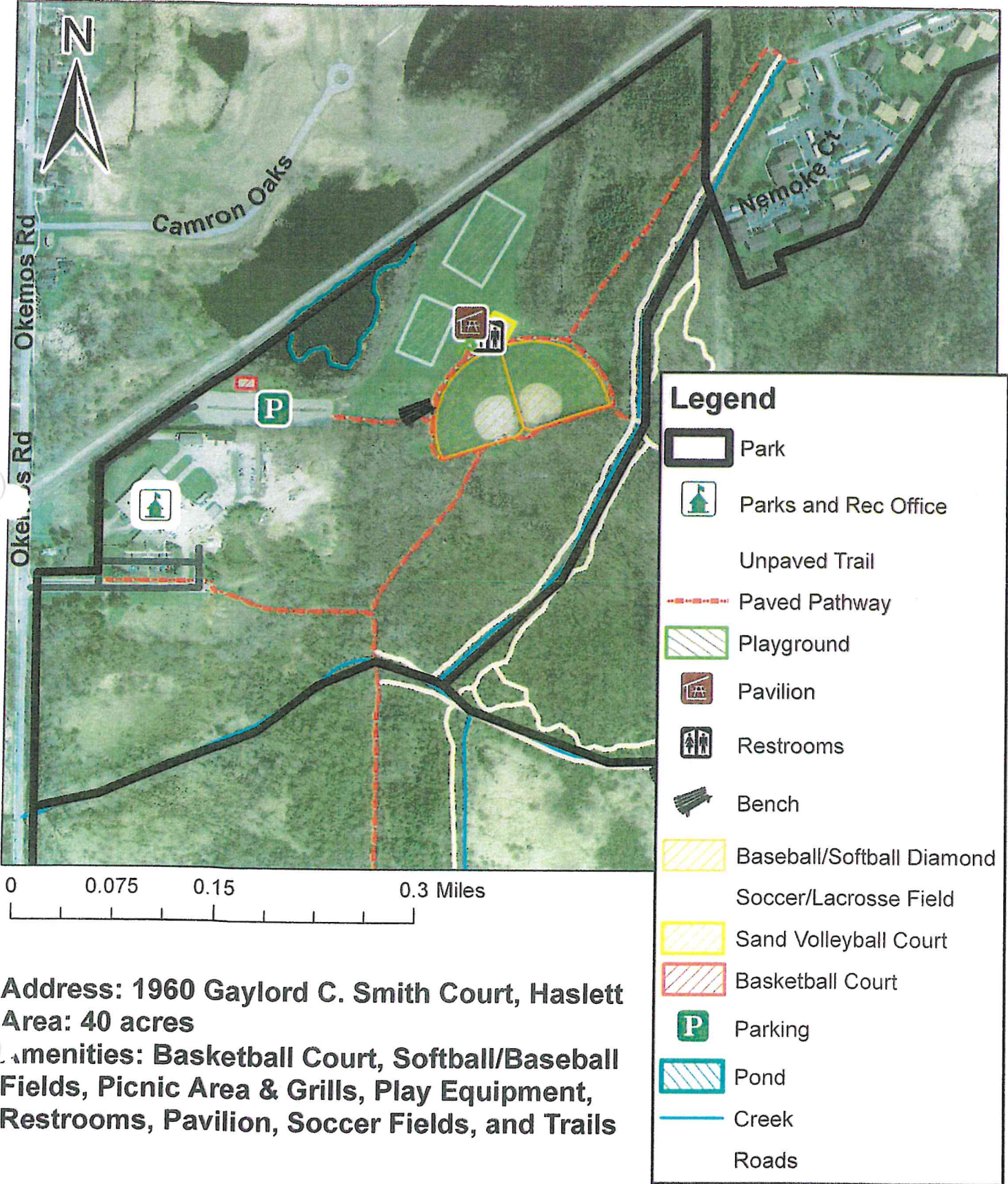
0 0.035 0.07 0.14 Miles

**Address: 1990 Central Park Drive, Okemos**

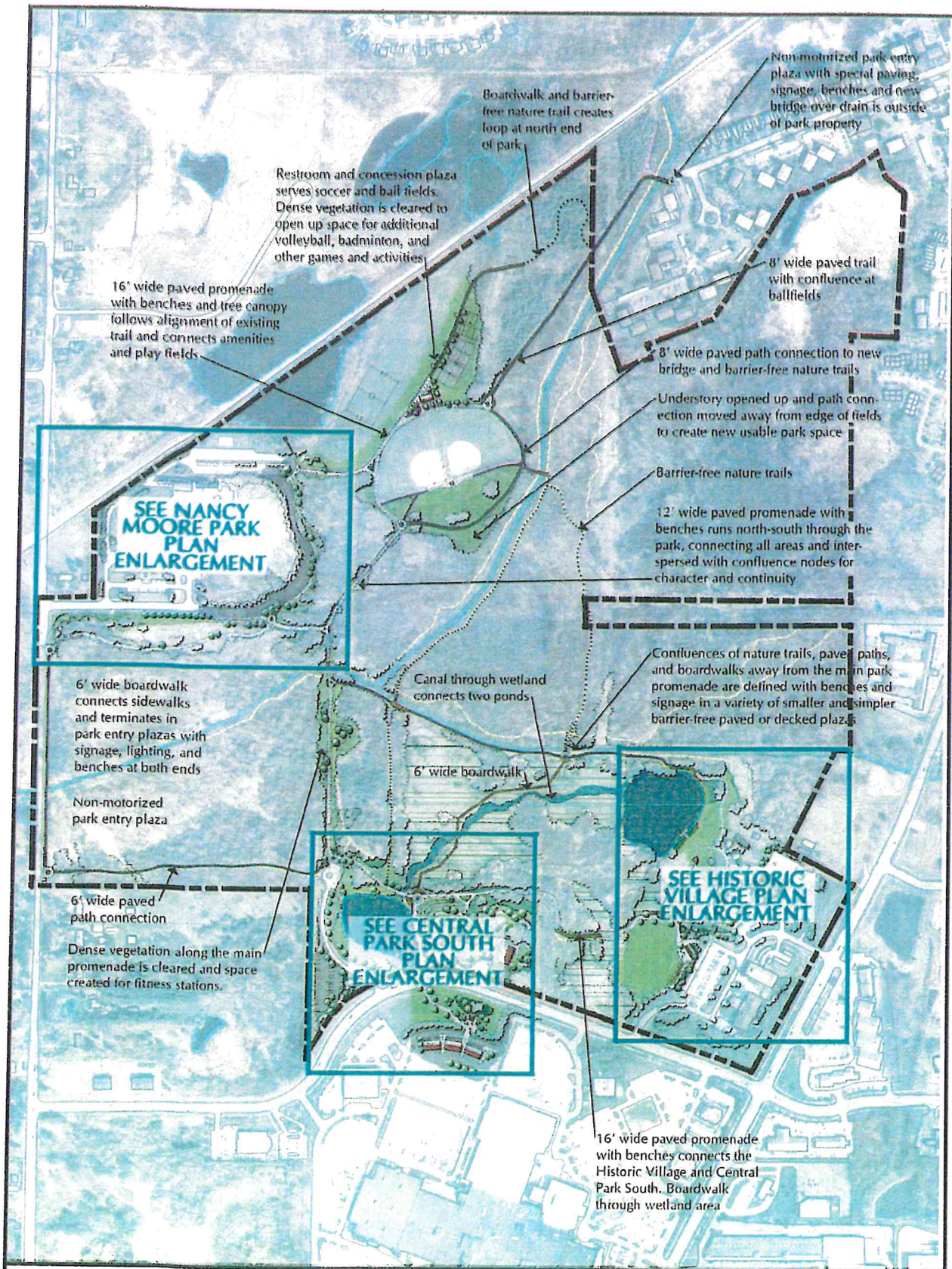
**Area: 15 acres**

**Amenities: Pond, Fishing Access, Picnic Areas, Trails**

# Nancy Moore Park

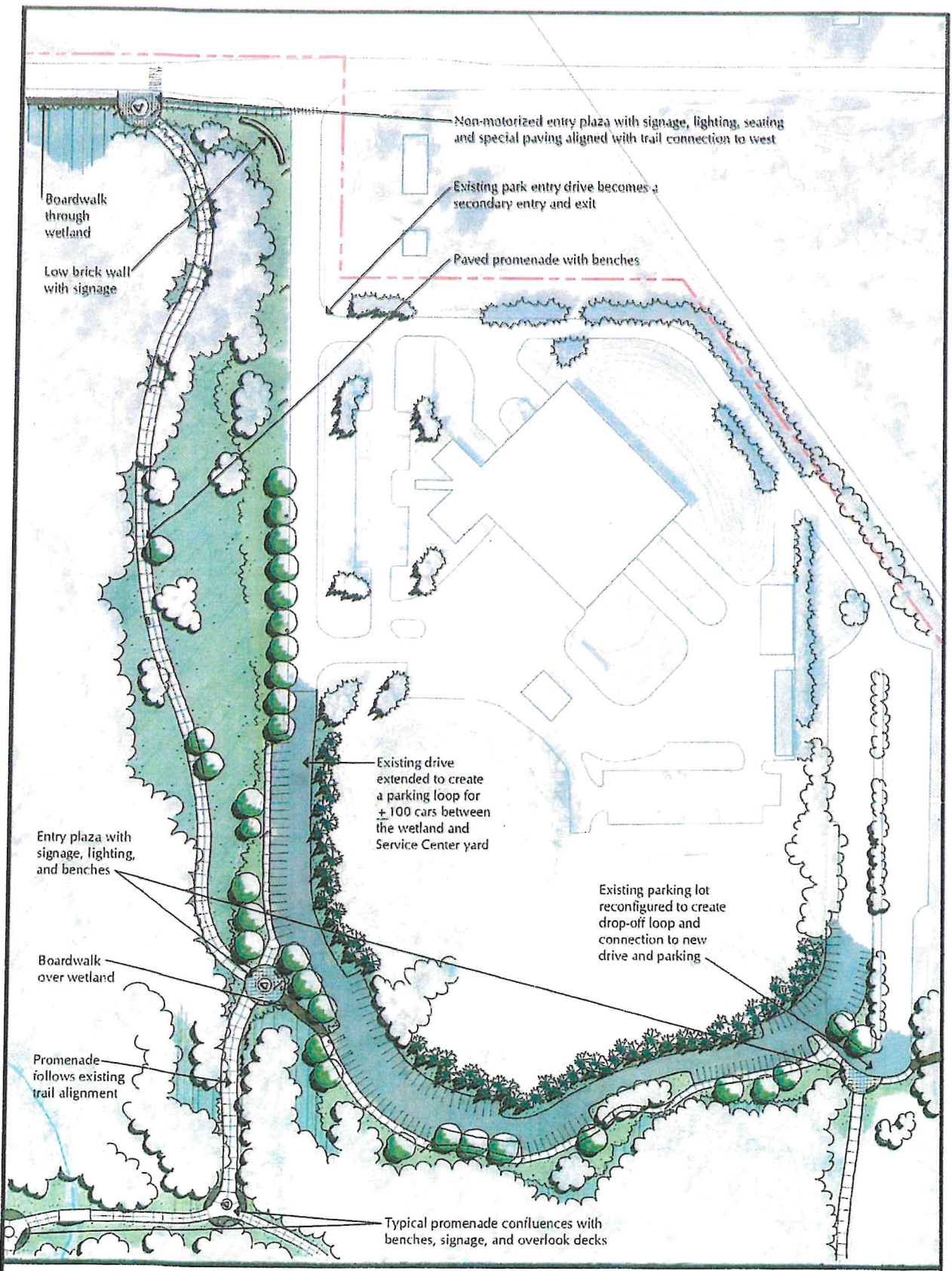






# Overall Park Development Plan

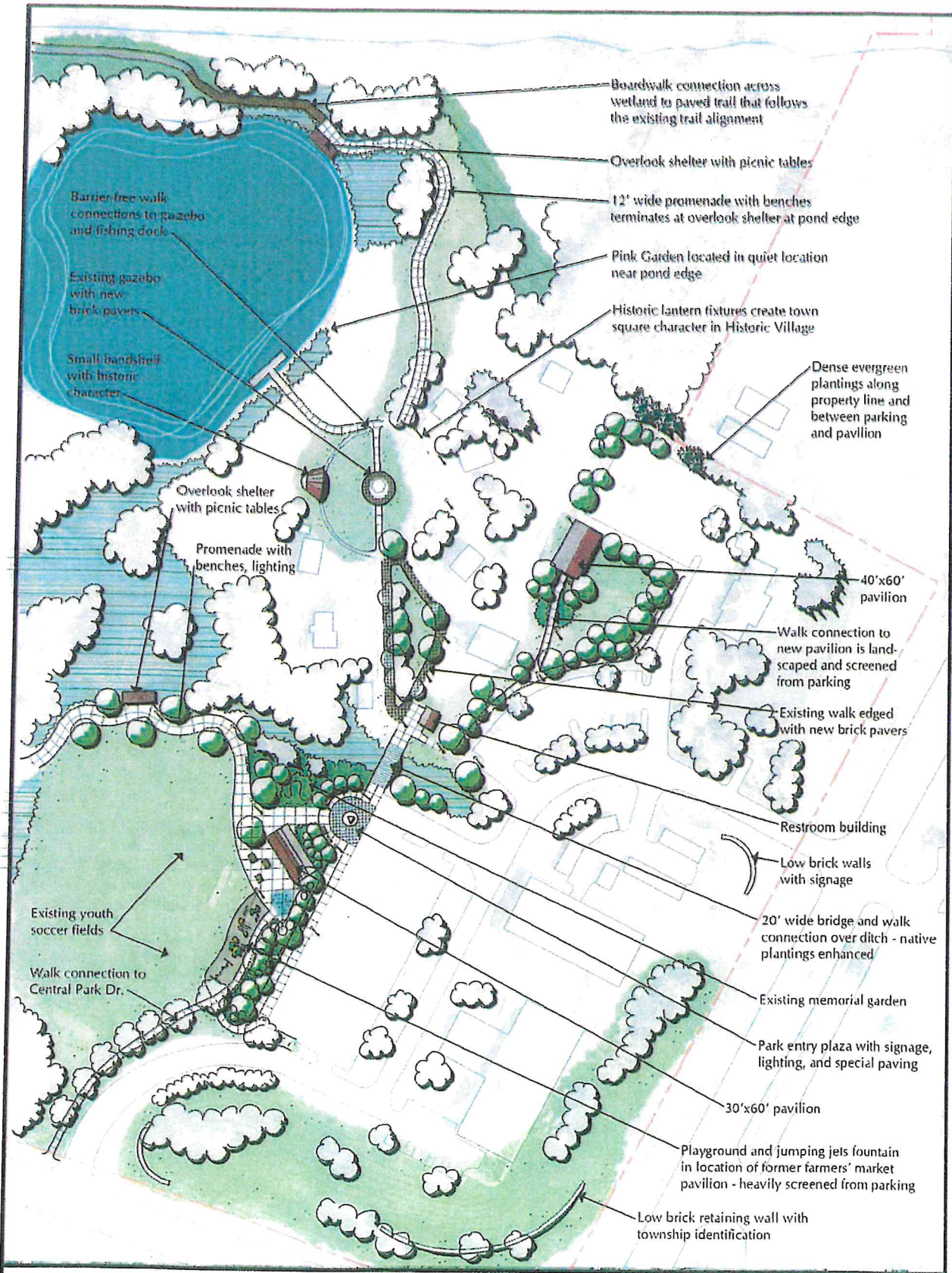
## Central Park Master Plan



# Nancy Moore Plan Enlargement

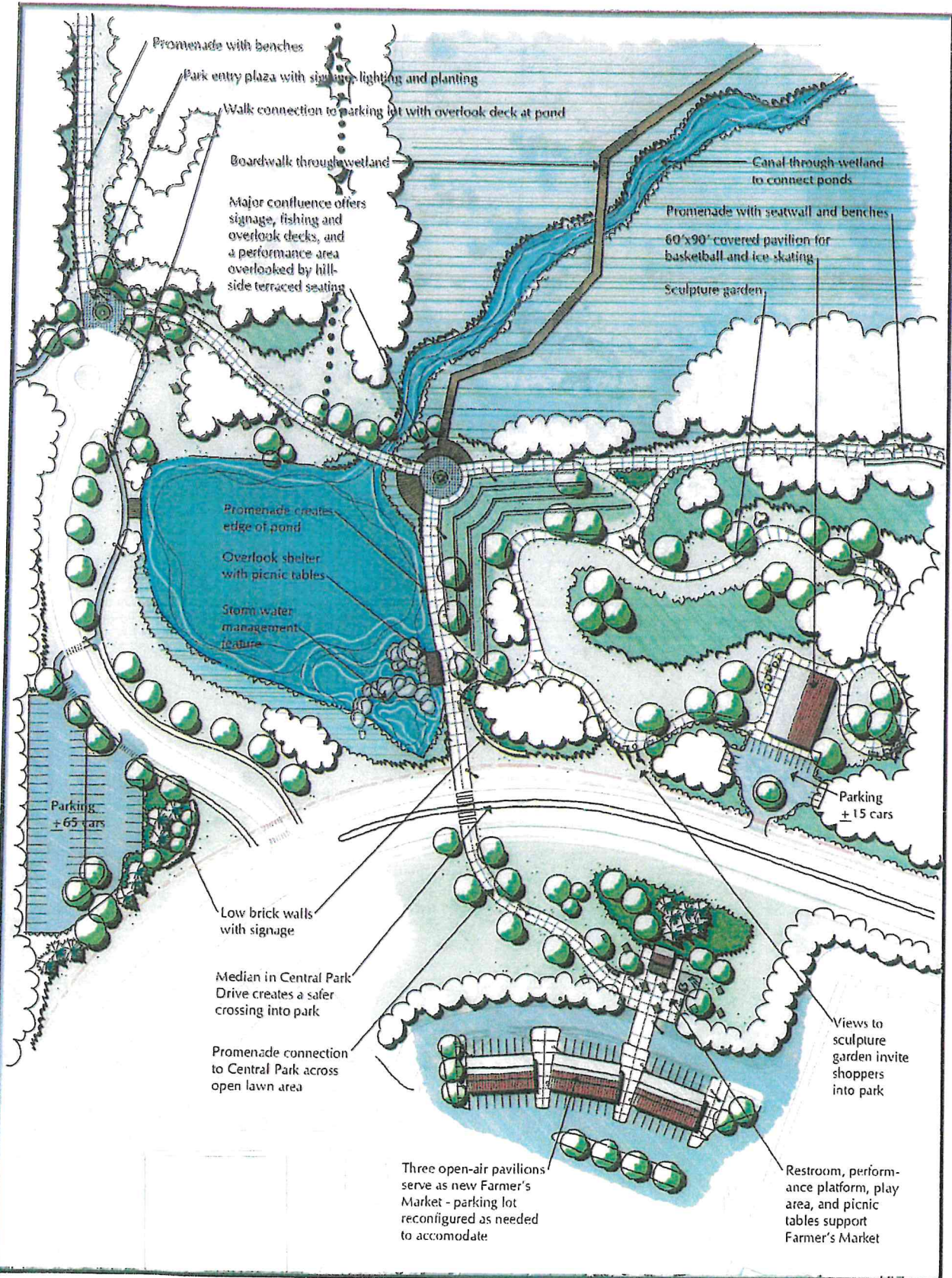
## Central Park Master Plan





# Historic Village Plan Enlargement

## Central Park Master Plan

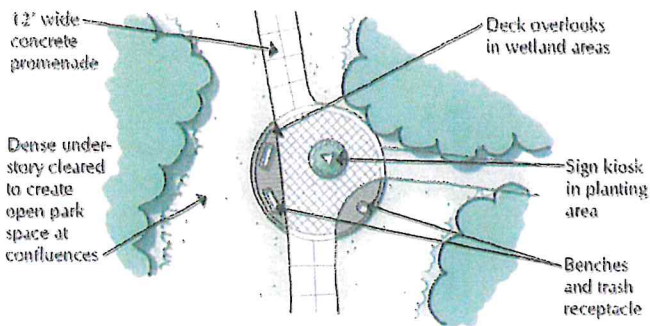


# Central Park South Plan Enlargement

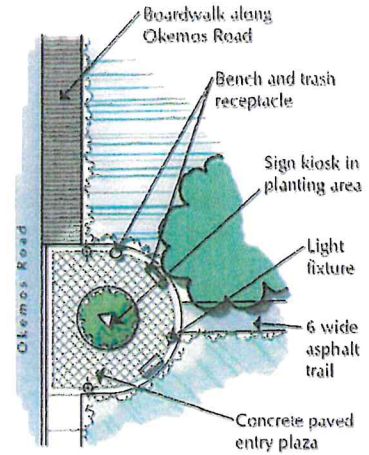
## Central Park Master Plan



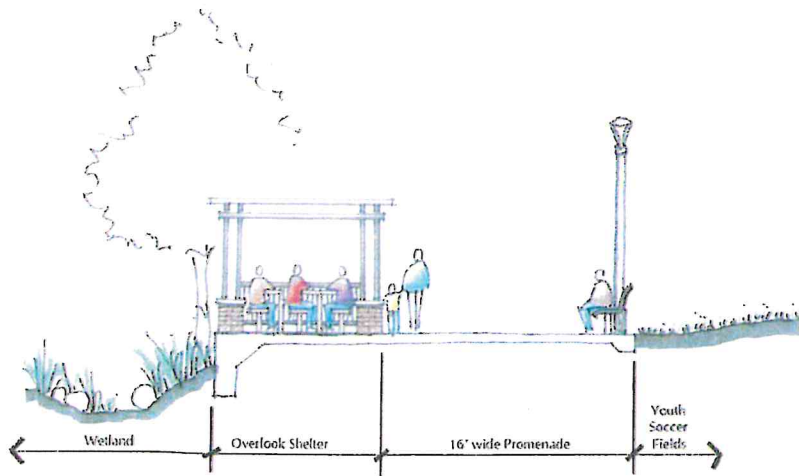
09 08 15



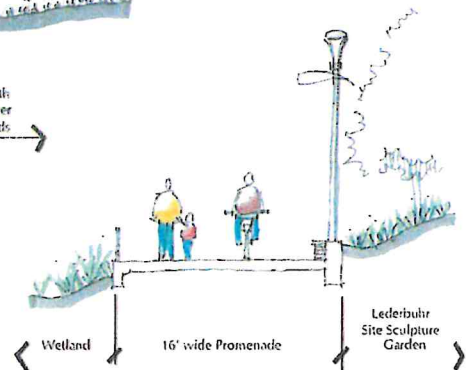
Typical Confluence Plan Enlargement



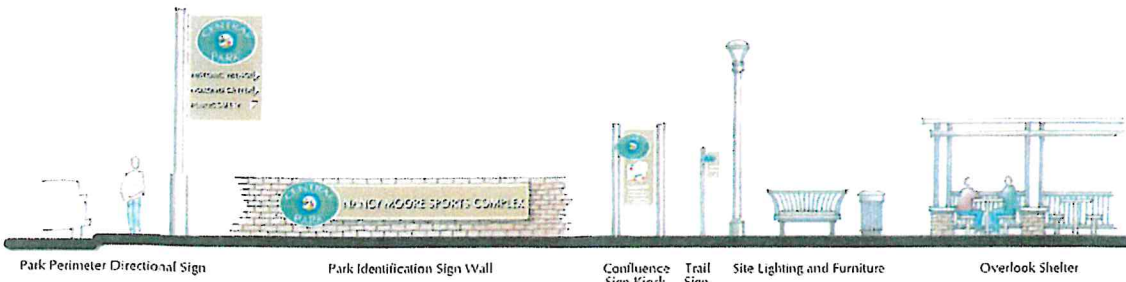
Non-Motorized Entry Plaza Plan Enlargement



Promenade Section at Youth Soccer Fields



Promenade Section at Lederbuhr Site

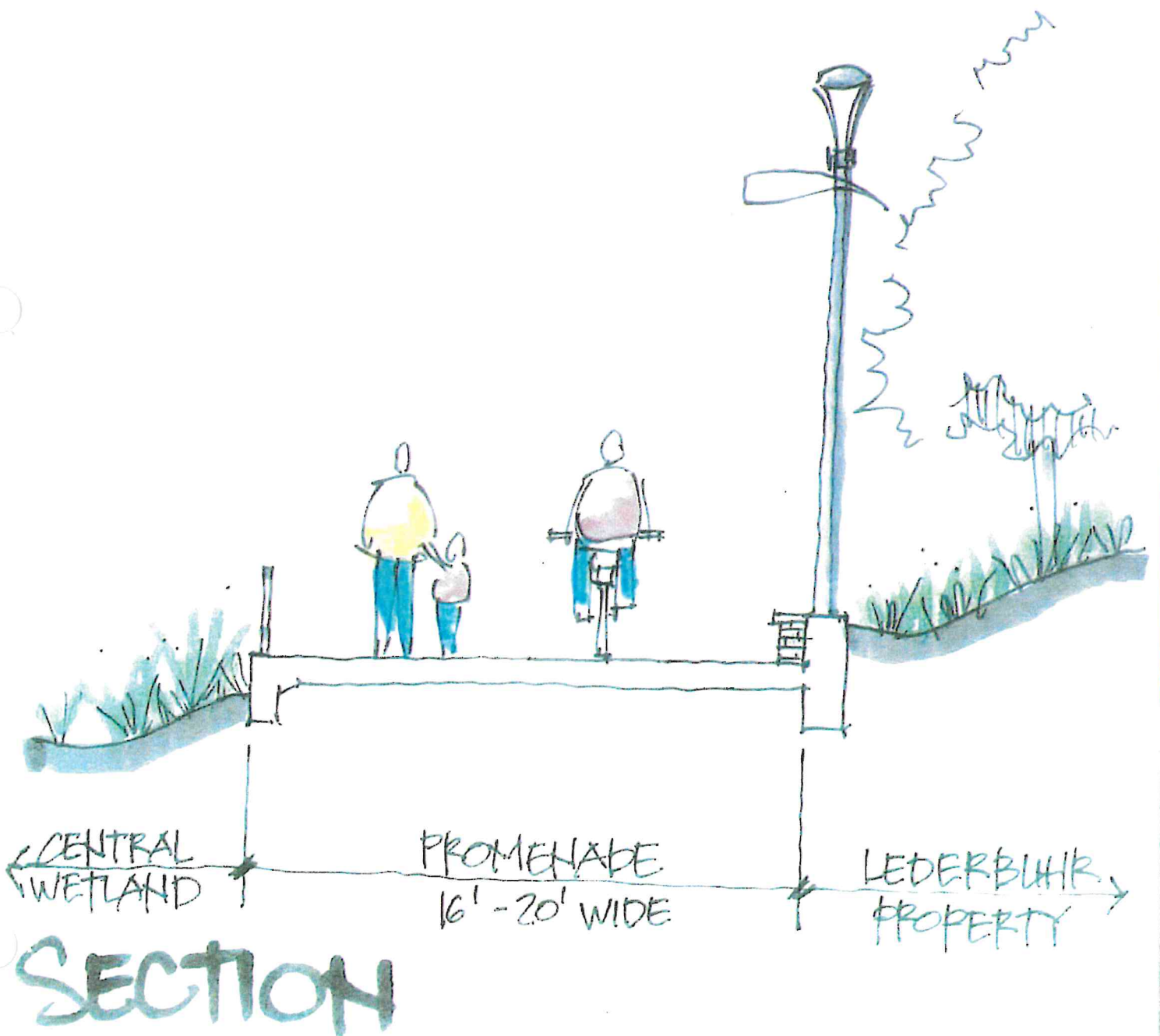


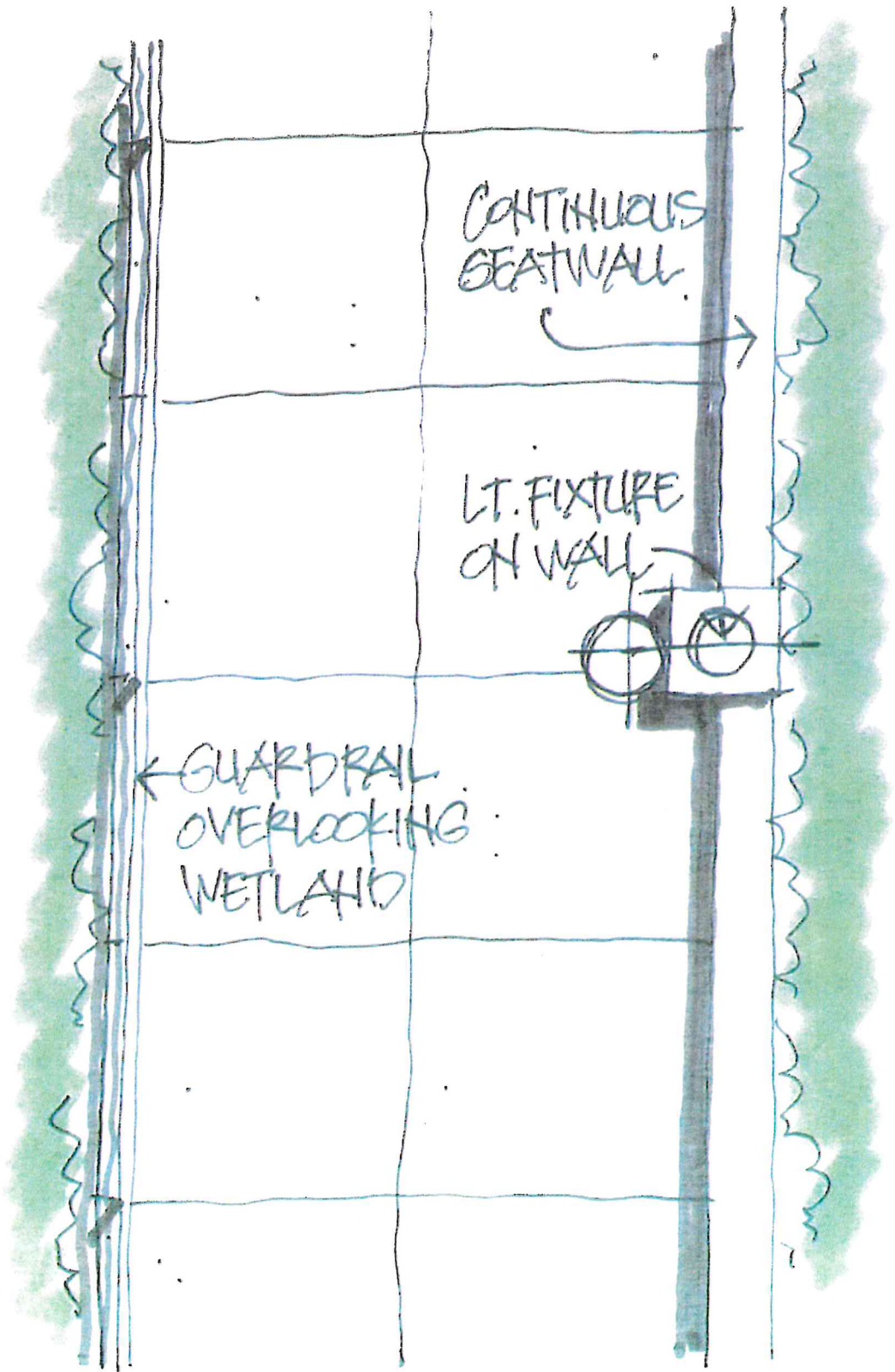
Signage and Furniture Concepts

# Master Plan Details

## Central Park Master Plan

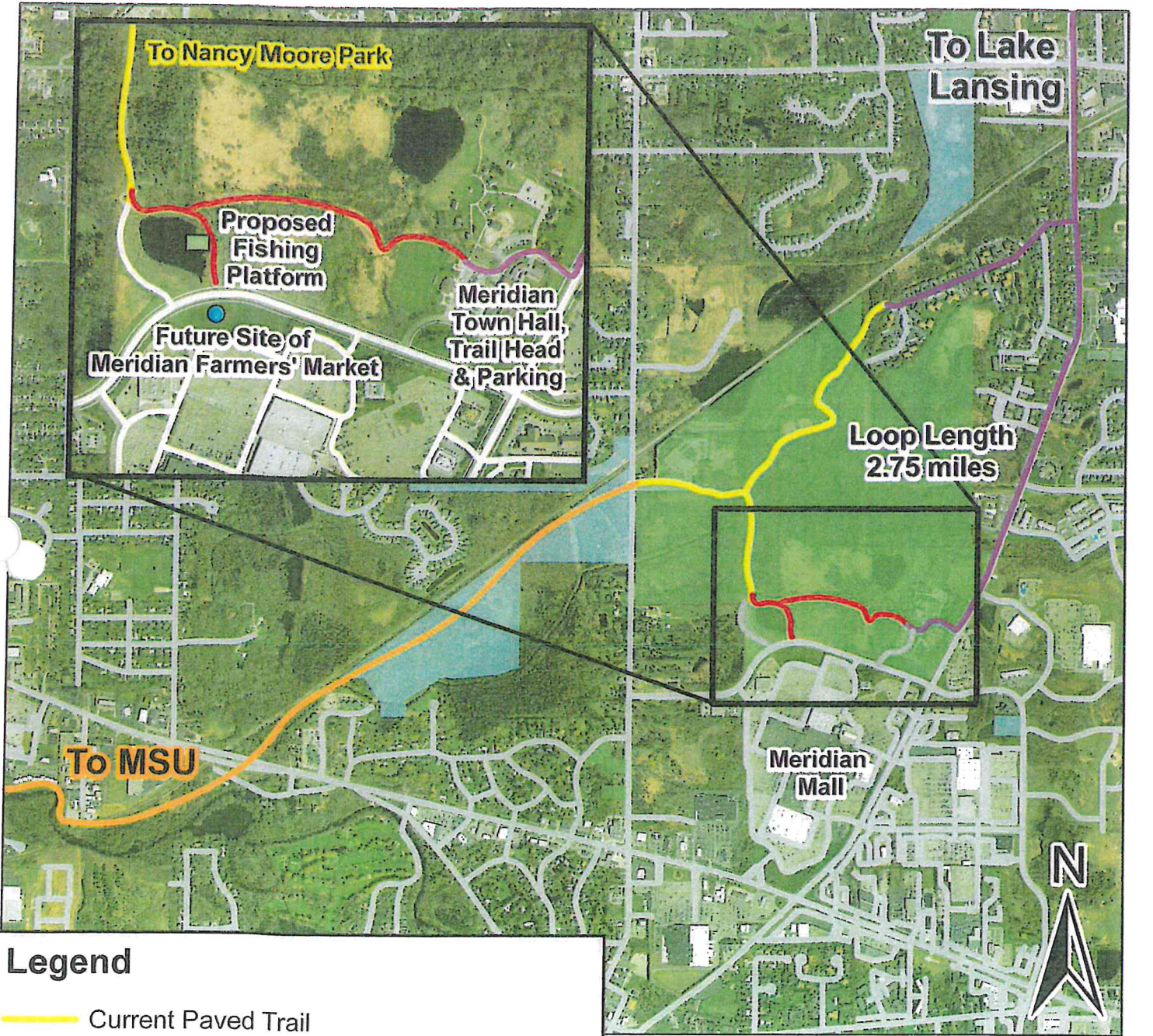
# PROMENADE CONCEPT





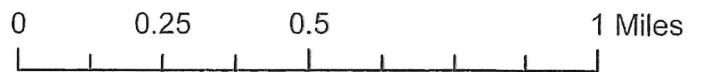
PLAN

# Meridian Central Regional Trail Connector



## Legend

- Current Paved Trail
- Existing Sidewalk
- Proposed County Paved Trail
- Proposed Meridian Regional Trail Connector
- Park
- Land Preserve
- Roads



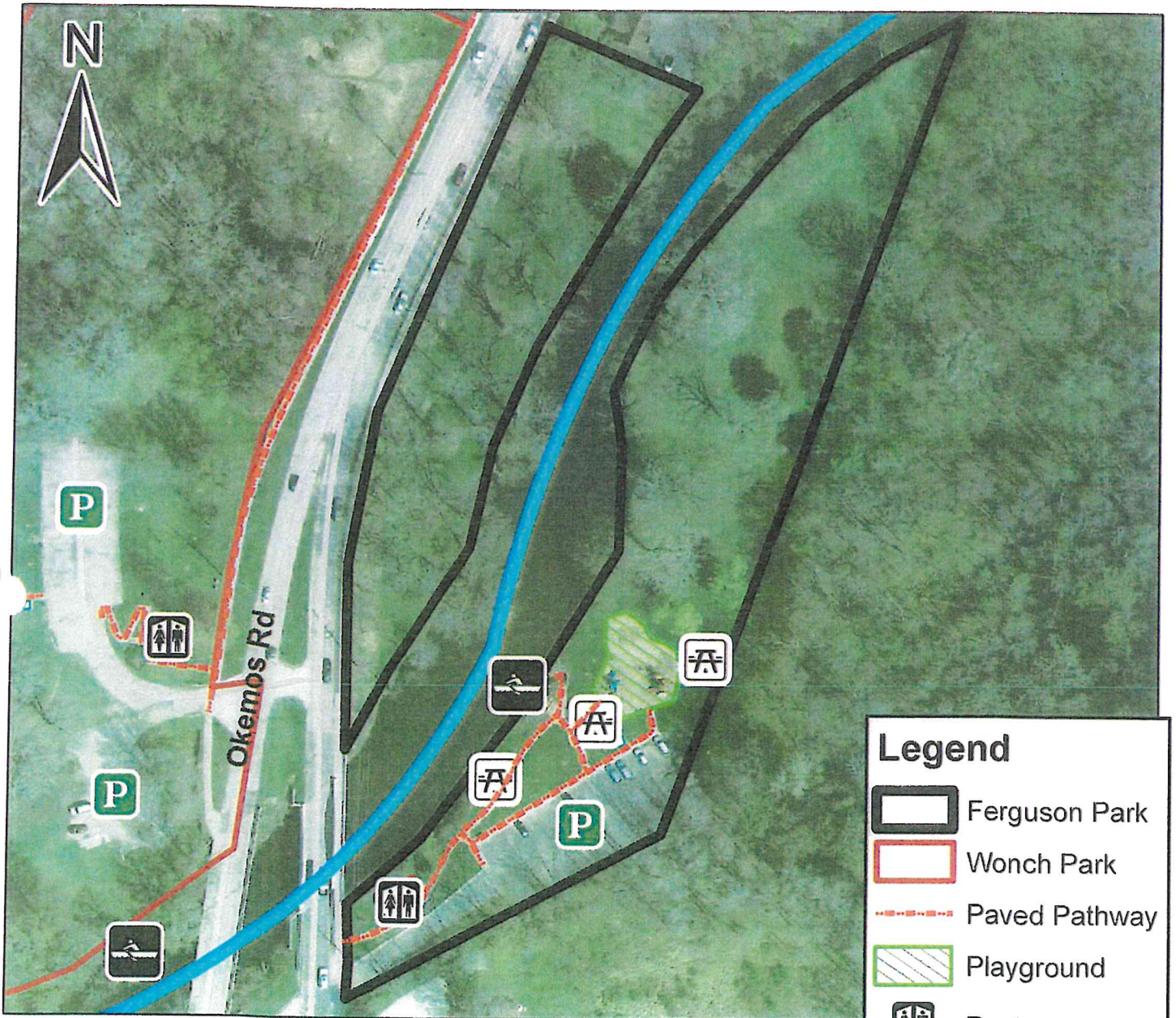


# Eastgate Park



**Address:** 4203 S. Meridian Road, Okemos  
**Area:** 53 acres  
**Amenities:** Bicycle Pump Track, River, Picnic Area, Pavillion, Trail

# Ferguson Park



0 0.0175 0.035 0.07 Miles

## Legend

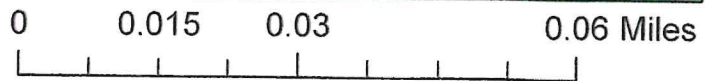
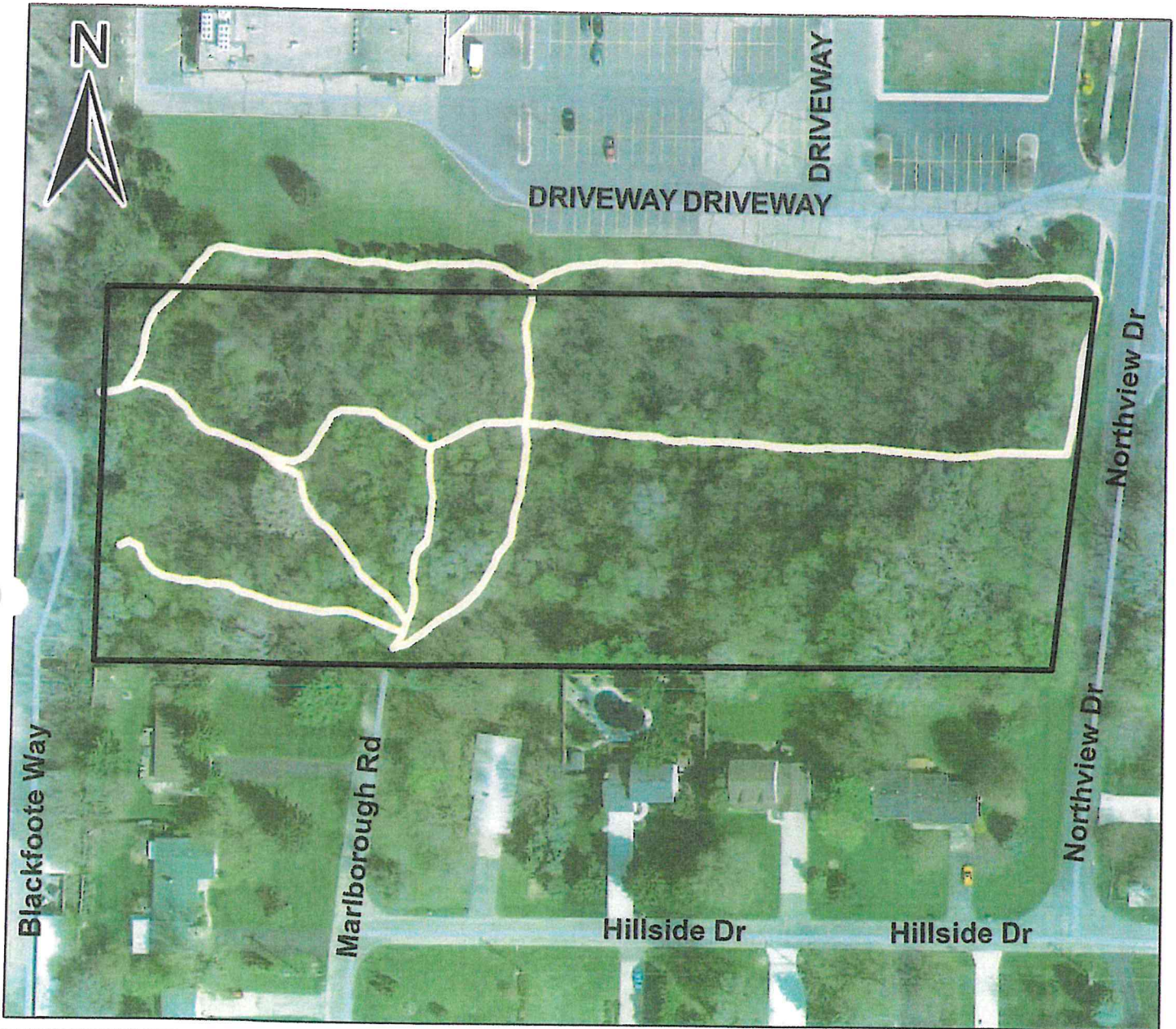
- Ferguson Park
- Wonch Park
- Paved Pathway
- Playground
- Restrooms
- Canoe Access
- Picnic Area
- Parking
- River
- Roads

**Address:** 4540 Okemos Road, Okemos




**Area:** 5.7 acres

**Amenities:** River, Canoe Launch, Fishing Access, Picnic Area, Play Equipment, Restrooms, Trails

# Forest Hills Natural Area

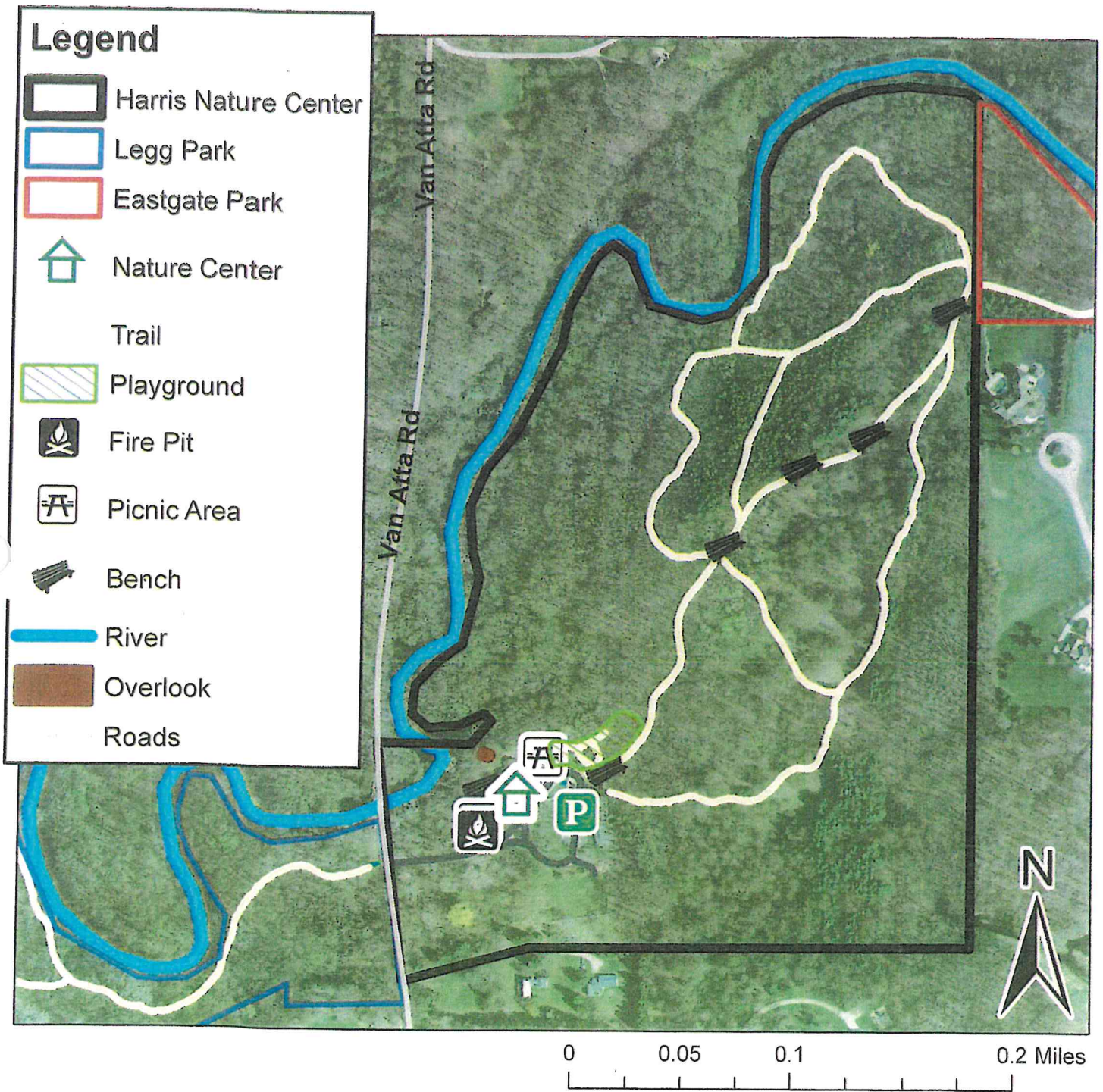


**Legend**

-  Natural Area
-  Unpaved Trail
-  Roads

**Address: 4625 Northview Drive, Okemos**  
**Area: 4 acres**  
**Amenities: Trails**

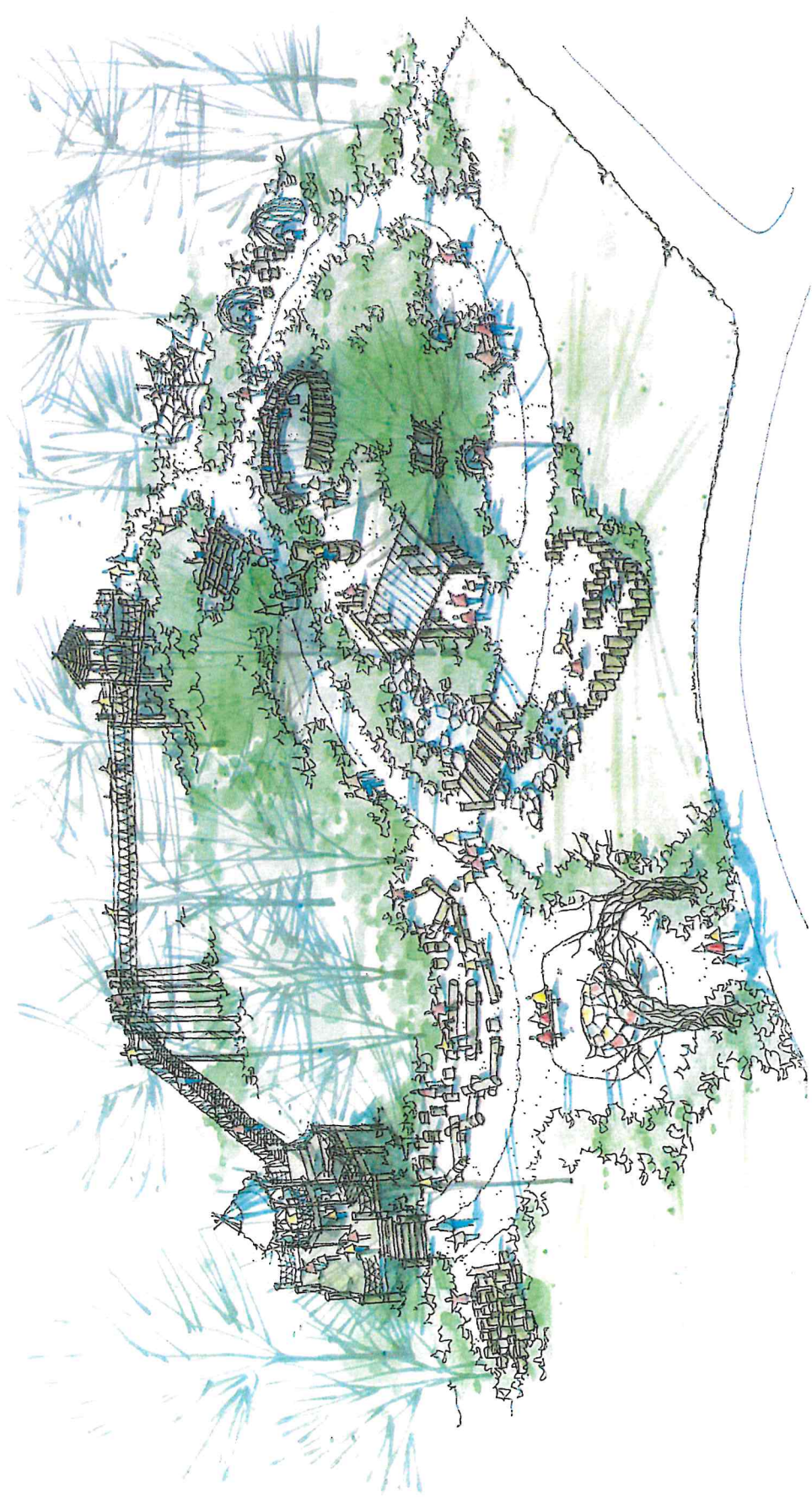
# Harris Nature Center



**Address: 3998 Van Atta Road, Okemos**

**Area: 61 acres**

**Amenities: River, Picnic Area, Play Equipment, Restrooms, Trails**



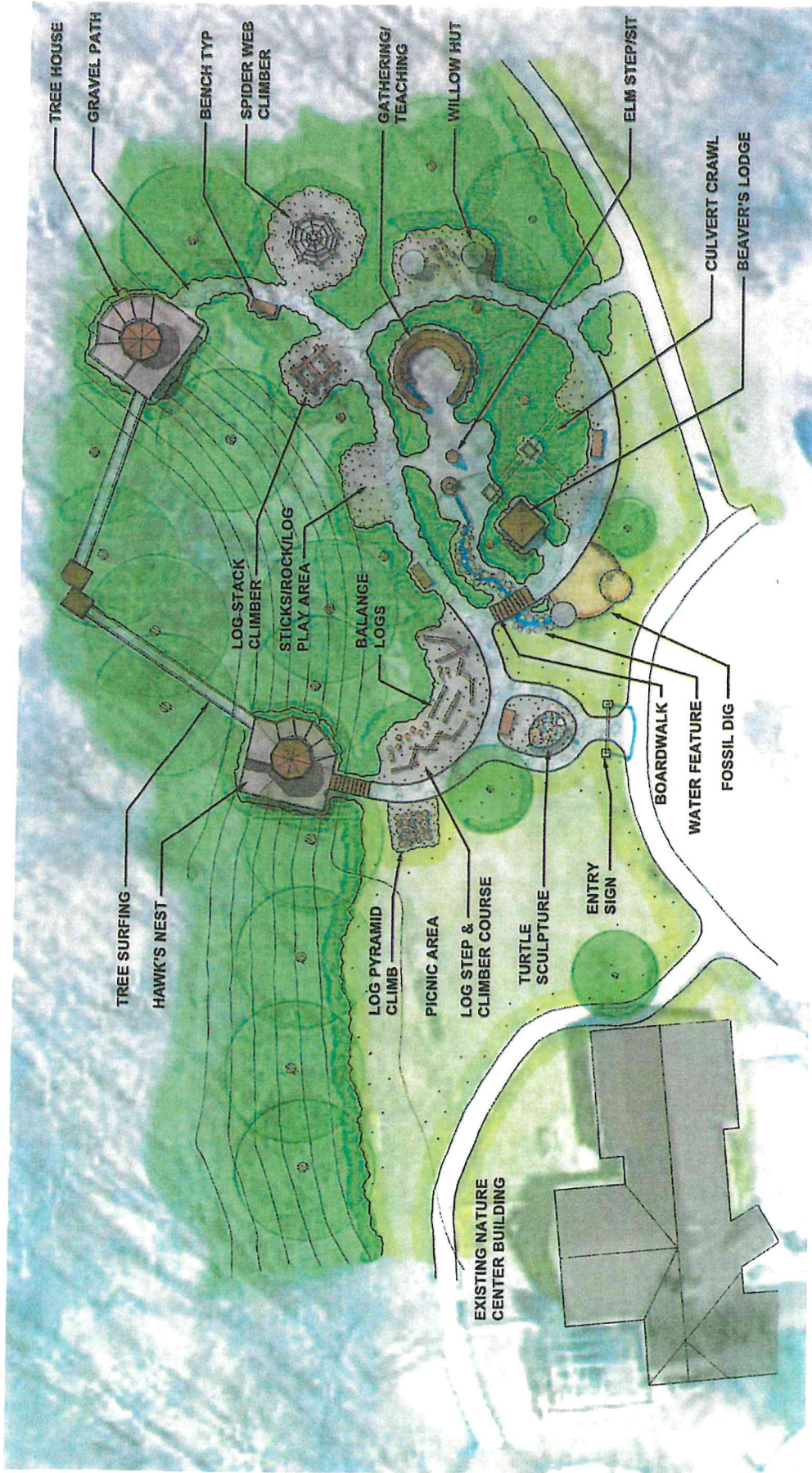
# HARRIS NATURE CENTER NATURE EXPLORATION AREA

Meridian Township, Michigan

9.26.13



CHARACTER SKETCH



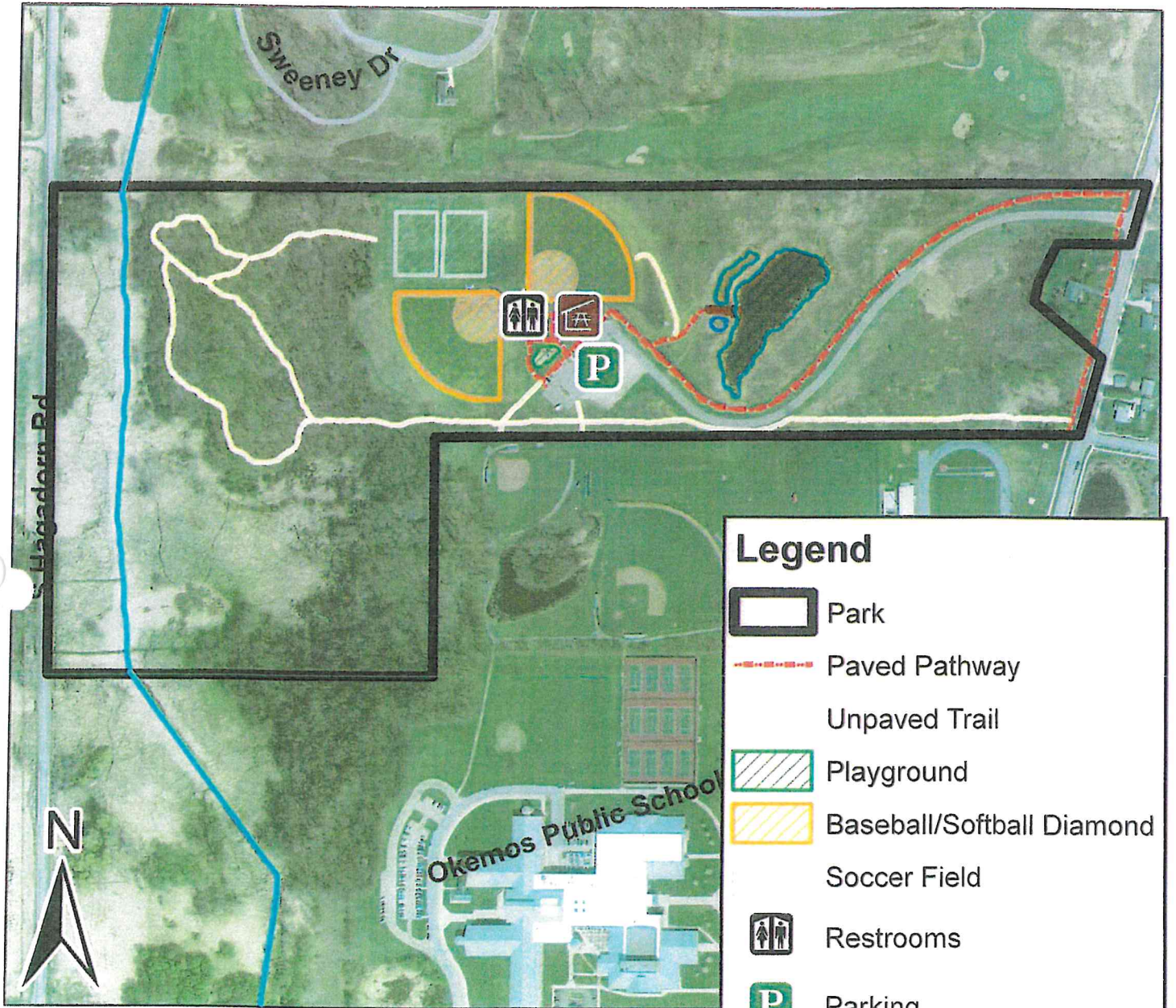
Concept Plan

# HARRIS NATURE CENTER NATURE EXPLORATION AREA

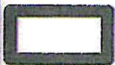













9.26.13

Mendian Township, Michigan

# Hartrick Park



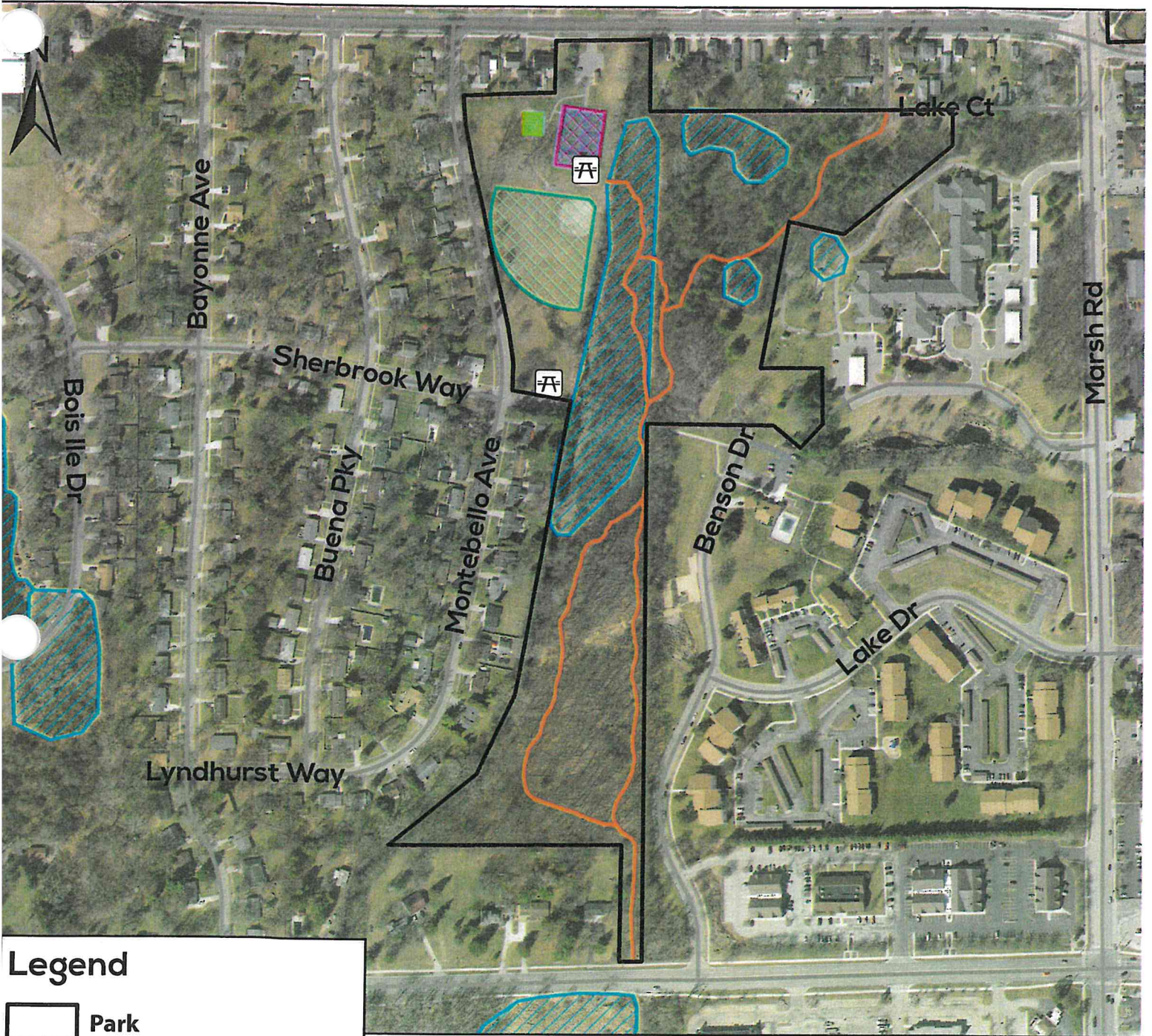
## Legend

-  Park
-  Paved Pathway
-  Unpaved Trail
-  Playground
-  Baseball/Softball Diamond
-  Soccer Field
-  Restrooms
-  Parking
-  Pavilion
-  Marsh
-  Pond
-  Overlook/Dock
-  Creek
-  Roads

0 0.05 0.1 0.2 Miles

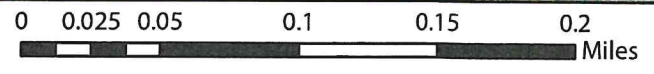
**Address: 3685 Hulett Road, Okemos**  
**Area: 61 acres**  
**Amenities: Softball/Baseball Fields,**  
**Pond, Picnic Area & Grills, Play**  
**Equipment, Restrooms, Pavilion,**  
**Soccer Fields, and Trails**

# Hillbrook Park



## Legend

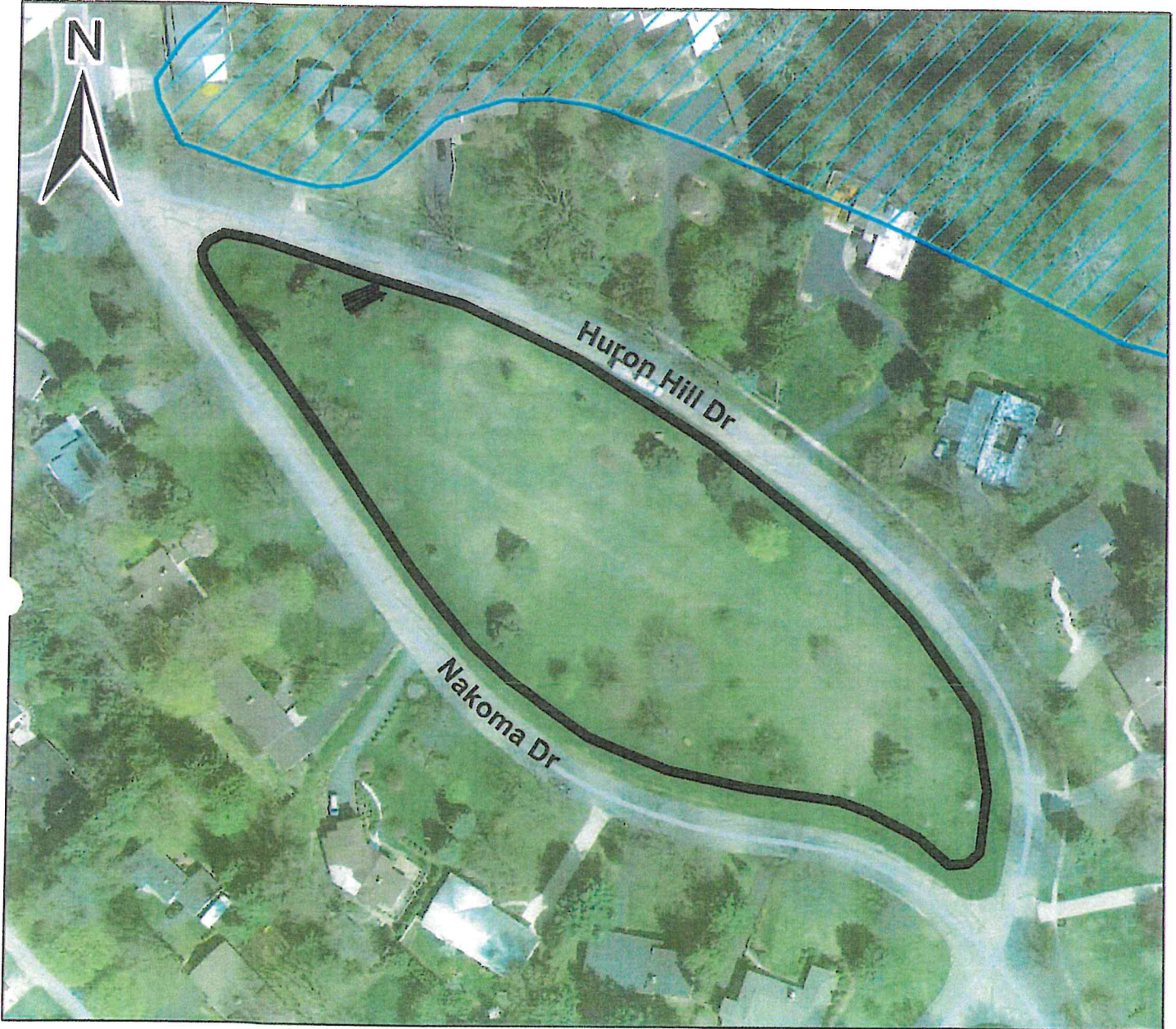
- Park
- Trail
- Playground
- Picnic Area
- Roads
- Baseball Field
- Tennis/Pickleball Courts
- Wetland
- Pond



**Address: 1747 Lake Lansing Rd, Haslett**  
**Area: 26 acres**  
**Amenities: Basketball Court,**  
**Baseball/Softball Field,**  
**Picnic Area, Play Equipment, Trails**

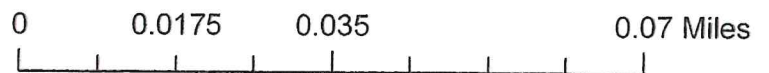


# Indian Hills Park



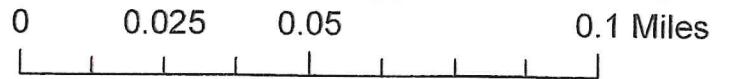
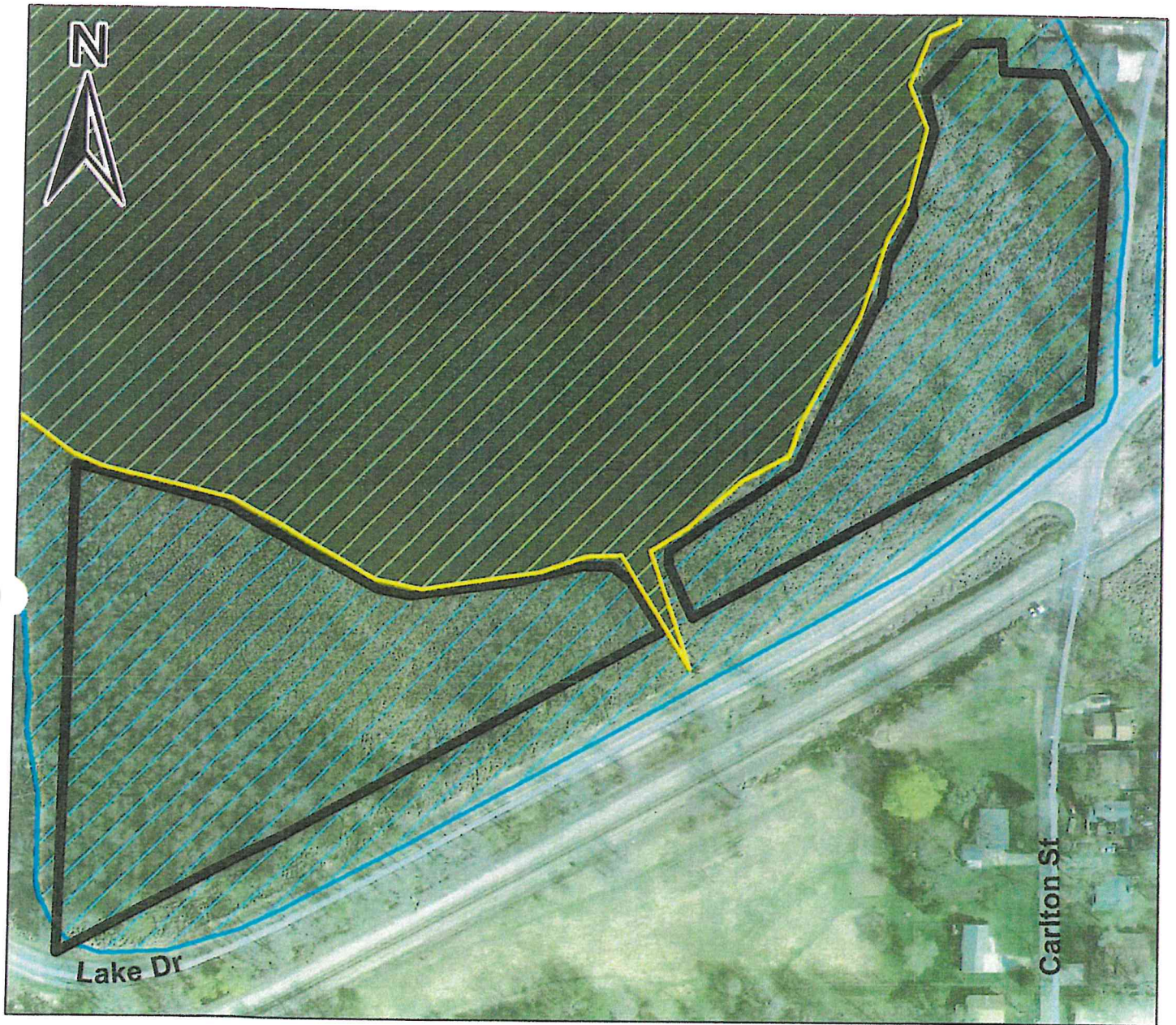
**Legend**

-  Park
-  Wetland
-  Roads



**Address: 4730 Nakoma Drive, Okemos**  
**Area: 3 acres**  
**Amenities: Open Space**

# Lake Lansing Marsh



**Legend**

-  Park
-  Lake Lansing
-  Wetland
-  Roads

**Address: 1430 Lake Drive, Haslett**  
**Area: 46 acres**  
**Amenities: Protected Marsh/Wetland**