



Envisioning Northville's Future ...

Northville River Restoration Task Force

End of Year City Council Presentation

December 20, 2021 | 7:00 PM Zoom Mtg

Meeting Contents

1. Our Mission
2. Goals & Objectives
3. Our Team
4. Mapping Capabilities
5. Real Estate Inventory
6. History Trail
7. Benchmarking
8. Collaboration
9. Framework Plan
10. Grants

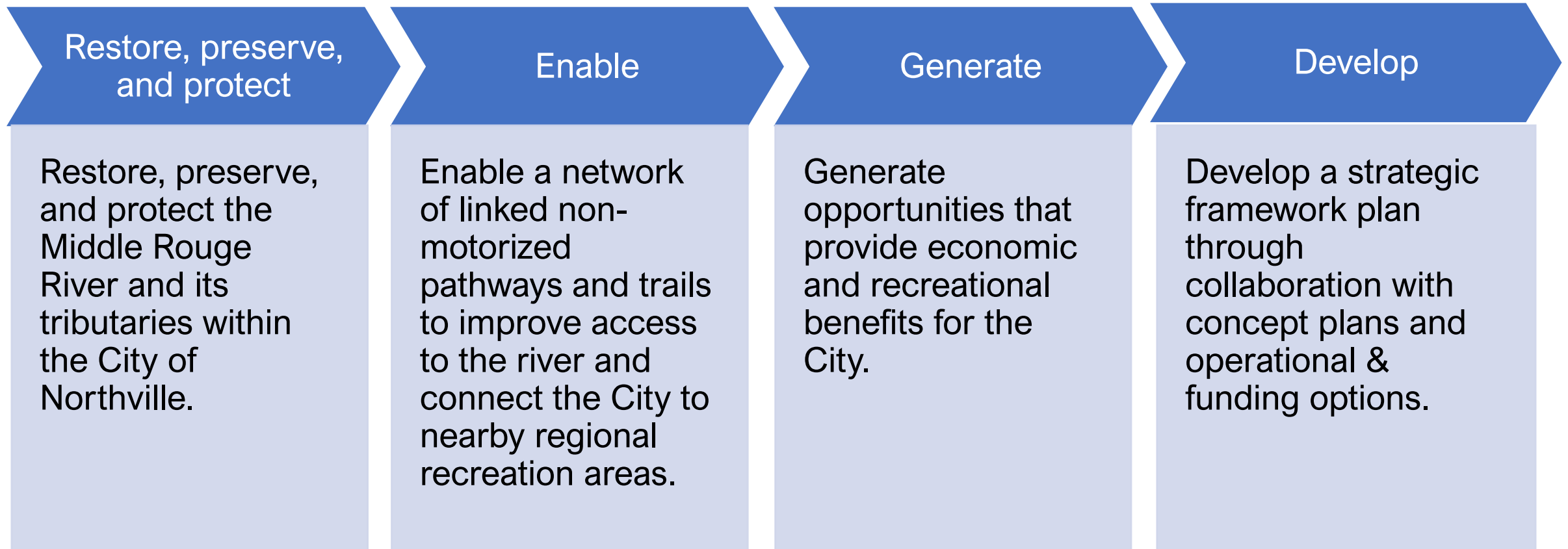


Our Mission Statement

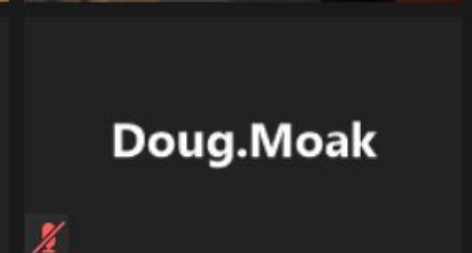
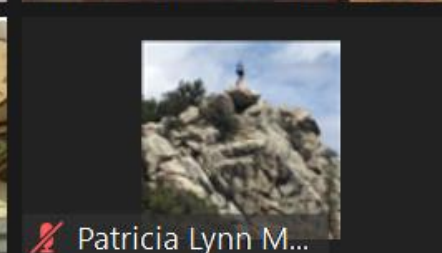
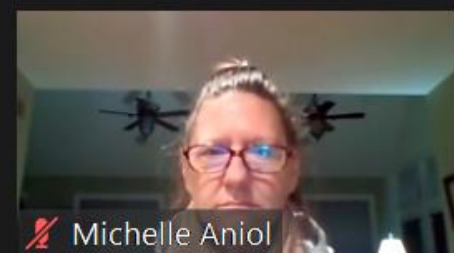
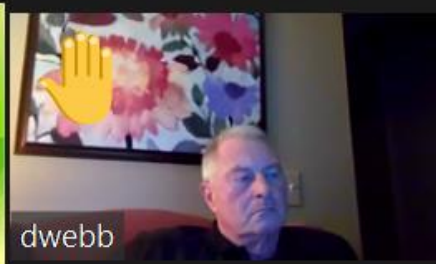
The City of Northville Middle Rouge River Restoration Task Force will develop a strategic framework to **improve the ecological health** of the river and its tributaries within the City and to **expand community access and recreation** with a network of parks, trails, and pathways called *The Riverwalk*.



Goals and Objectives



OUR TEAM



Gary &
Nancy
Jeffers

James Cracraft

Mark Nickita
Raymond Krahe
Diane Pittaway

John Roach

Nathan Reilly
Bill Phillips

Mapping

A geographic information system (GIS) is a system designed to capture, store, manipulate, analyze, manage, and present all types of geographical data.

❖ **All maps created by John Roby**



Real Estate Inventory: Riparian Landowners

❖ **Special Thanks:**
Rick Birdsall and
Barbara Moroski-Browne



Parcel List of Property Owners

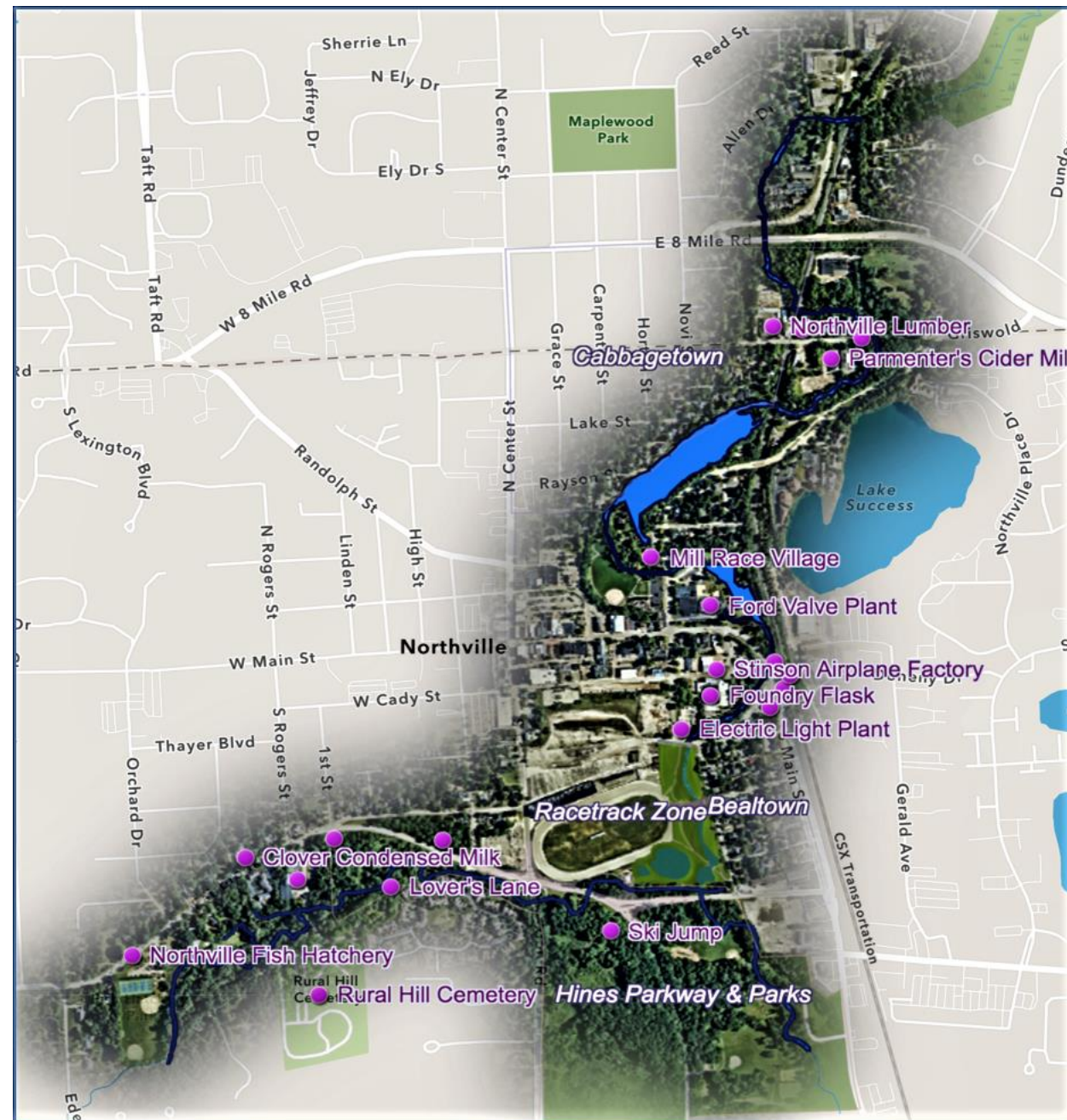


City of Northville Middle Rouge River Restoration Task Force
Inventory of Land Adjacent to the River

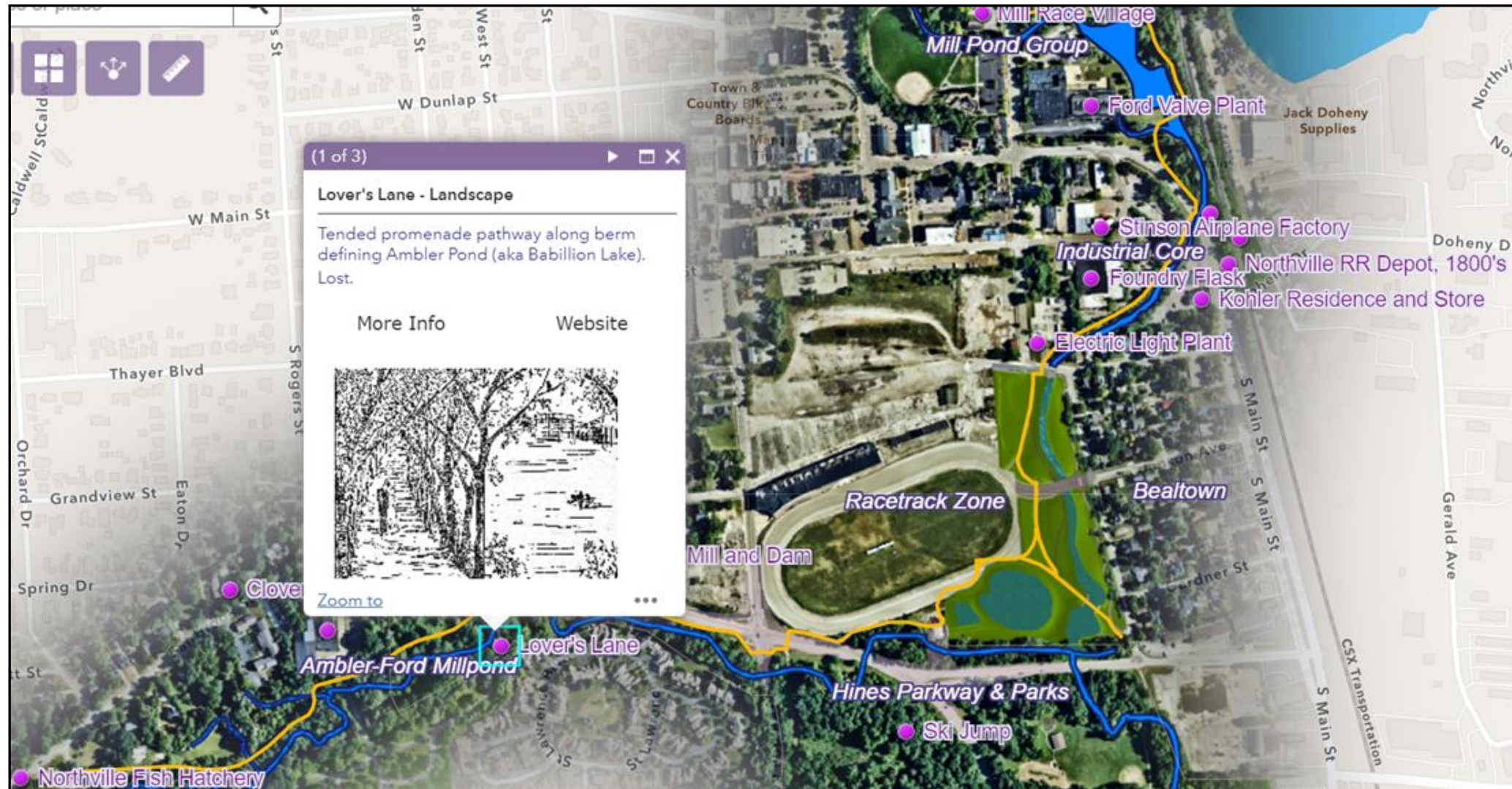
DRAFT

PARCEL ID#	ADDRESS	ACRES	ZONING	BLDG SIZE	OWNER	OWNER MAILING ADDRESS	DETAILS/Notes
48 004 01 0197 003	301 S Center	2.11	RTRU	vac?	Northville Driving Club	30375 Northwestern, Farmington Hills, MI 48334	Barns
48 004 01 0187 000	318 River	1.64	RTRU	696 SF	Northville Downs Assn.	301 S Center, Northville, MI 48167	non-homestead
48 004 01 0186 000	vac S Center	0.17	RTRU	vac	Northville Driving Club	43133 Seven Mile, Northville, MI 48167	
48 004 01 0185 000	vac S Center	0.20	RTRU	vac	Northville Driving Club	43133 Seven Mile, Northville, MI 48167	
48 004 01 0197 003	vac S Center	4.34	RTRU	vac	Northville Driving Club	43133 Seven Mile, Northville, MI 48167	Barns
48 004 01 0196 000	vac S Center	0.13	RTRU	vac	Northville Driving Club	43133 Seven Mile, Northville, MI 48167	
48 004 01 0194 002	vac S Center	0.02	RTRU	vac	Northville Driving Club	43133 Seven Mile, Northville, MI 48167	
48 004 01 0184 000	vac S Center	1.49	RTRU	vac	Carlo, John & Zayti, Margaret	301 S Center, Northville, MI 48167	
48 004 01 0183 000	301 S Center	24.9	RTRU		Northville Driving Club	301 S Center, Northville, MI 48167	Clubhouse
48 004 02 0073 000	341 Beal	2.23	RTRU	1,482 SF	Northville Downs Assn.	301 S Center, Northville, MI 48167	non-homestead
48 004 02 0072 002	vac Griswold	0.24	RTRU	vac	Northville Downs Assn.	301 S Center, Northville, MI 48167	
48 004 02 0086 000	413 Beal	0.30	R-1B	1,916 SF	Bartel, Kurt	413 Beal, Novi, MI 48374	
48 004 02 0092 003	212 S Main	1.03	GCD	7,200 SF	Ronk, Robert Trust	48251 Rushwood Lane, Novi, MI 48374	Wagon Wheel
48 004 02 0092 001	200 S Main	0.33	GCD	4,889 SF	MASSK, LLC	PO Box 935, Northville, MI 48167	Stitching Post
48 004 02 0084 000	356 Beal	1.13	PR-1	800 SF	DTE Electric Co.	PO Box 33017, Detroit, MI 48232	
48 004 02 0070 000	350 E Cady	0.17	PR-1	1,416 SF	Herbel, Richard	959 Whittier, E Lansing, MI 48823	non-homestead
48 004 02 0069 000	vac Cady	0.37	PR-1	vac	Foundary Flask & Equip.	3372 Timberwood, Ann Arbor, MI 48103	
48 004 02 0065 000	456 E Cady	3.74	PR-1	49,098 SF	Foundary Flask & Equip.	3372 Timberwood, Ann Arbor, MI 48103	
48 004 02 0009 005	vac E Cady	0.24	PR-1	vac	Foundary Flask & Equip.	456 E Cady, Northville, MI 48167	
48 004 02 0009 006	vac E Main	0.18	PR-1	vac	Northville Car Wash	470 E main, Northville, MI 48167	Northville Car Wash lot
48 004 02 0007 003	195 S Main	0.08	PR-2	2,000 SF	Chamber of Commerce	195 S Main, Northville, MI 48167	owner C & O Railroad
48 004 02 0007 002	vac S Main	2.45	PR-2	Rail	Northville Properties, LLC	500 Water Street, Jacksonville, FL 32202	owner CSX Railroad
48 004 02 0008 001	vac E Main	0.62	PR-1	vac	City of Northville	215 W Main, Northville, MI 48167	
48 001 03 0739 000	vac E Main	0.19	PR-1	vac	City of Northville	215 W Main, Northville, MI 48167	
48 001 03 0738 301	235 E Main	4.05	PR-1	31,632 SF	R & D Land, LLC	P.O. Box 5380, Northville, MI 48167	Water Wheel
48 001 03 0738 302	vac E Main	4.48	PR-1	vac	City of Northville	215 W Main, Northville, MI 48167	East Ford Field
48 001 03 0736 000	520 Butler	0.14	R-1B	1,261 SF	Paul, David	520 Butler, Northville, MI 48167	
48 001 03 0735 301	vac Butler	0.04	R-1B	vac	Phillippart, Jeffrey	510 Butler, Northville, MI 48167	
48 001 03 0735 302	510 Butler	0.649	R-1B	1,002 SF	Phillippart, Jeffrey	510 Butler, Northville, MI 48167	
48 001 03 0734 000	464 Butler	0.30	R-1B	3,116 SF	Moak, Douglas	464 Butler, Northville, MI 48167	
48 001 03 0733 001	452 Butler	0.16	R-1B	1,408 SF	Hough, Steven	452 Butler, Northville, MI 48167	
48 001 03 0732 002	442 Butler	0.29	R-1B	1,407 SF	Salem, John	442 Butler, Northville, MI 48167	
48 001 03 0732 001	vac Butler	0.17	R-1B	vac	Hartshorne, Kevin	256 Griswold, Northville, MI 48167	
48 001 03 0731 003	426 Butler	0.20	R-1B	2,576 SF	Musa, Natalie	426 Butler, Northville, MI 48167	
48 001 03 0730 002	256 Griswold	0.34	R-1B	1,163 SF	Hartshorne, Kevin	256 Griswold, Northville, MI 48167	
48 001 03 0730 001	276 Griswold	0.18	R-1B	1,453 SF	Evasic, Madelyn	276 Griswold, Northville, MI 48167	

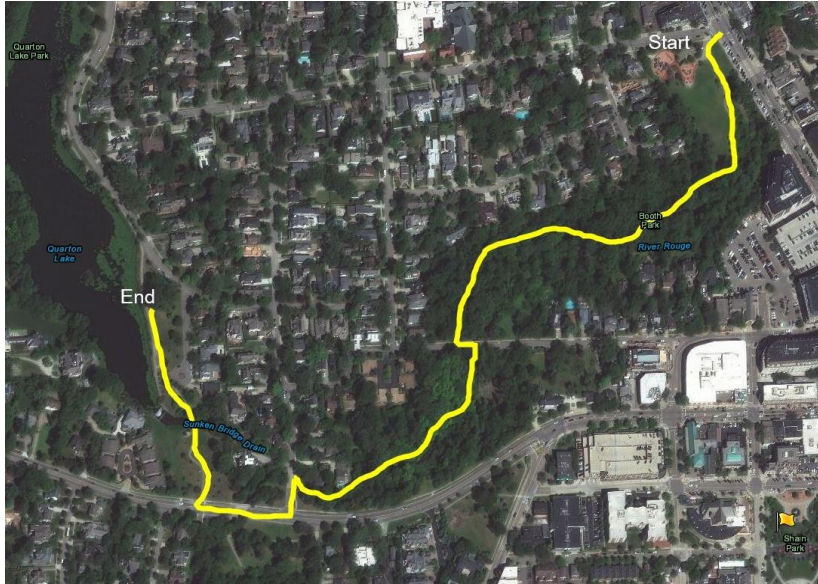
Mapping Historic Sites



City of
Northville
Michigan



Benchmarking: Birmingham Riverwalk Tour



Benchmarking: Dexter Mill Creek Riverwalk Tour



Artwork, trolls & a historian



Benchmarking: Brighton Riverwalk Tour



Collaborative Planning

U.S. Army Corp
of Engineers

Michigan State
University

Mill Race Village

Mobility
Network Team

Northville
Township

Northville Parks
& Recreation

Ford Field Task
Force

SEMCOG



Collaboration – U.S. Army Corps of Engineers

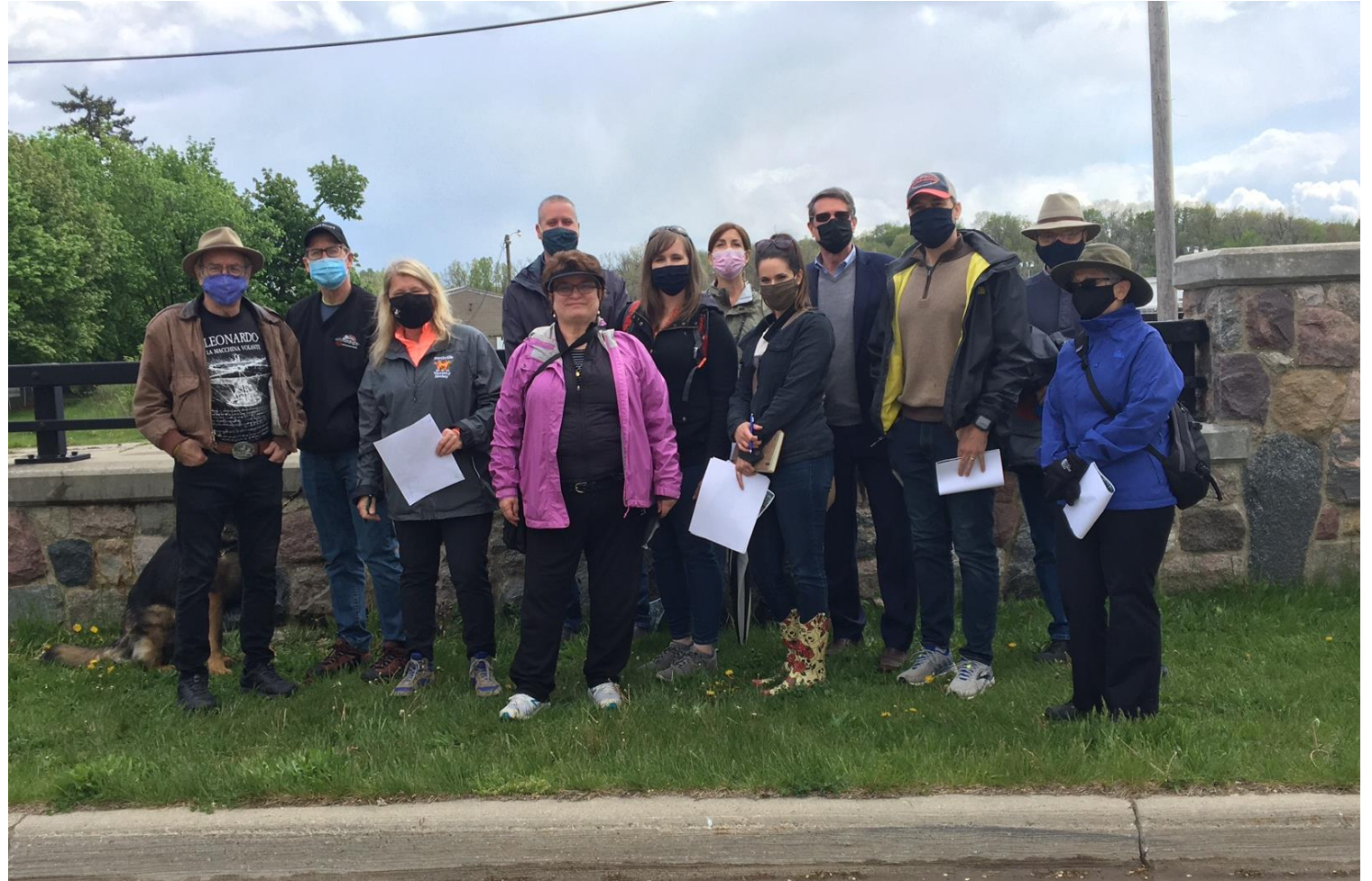
Great Lakes Fishery and Ecosystem Restoration Program

Key Learnings:

- Two-year lead time on funding
- Unfavorable to projects downstream from mill ponds
- Must have fish passageway

Other programs to look into:

- Great Lakes Legacy
- Rouge Areas of Concern
- Sediment Remediation



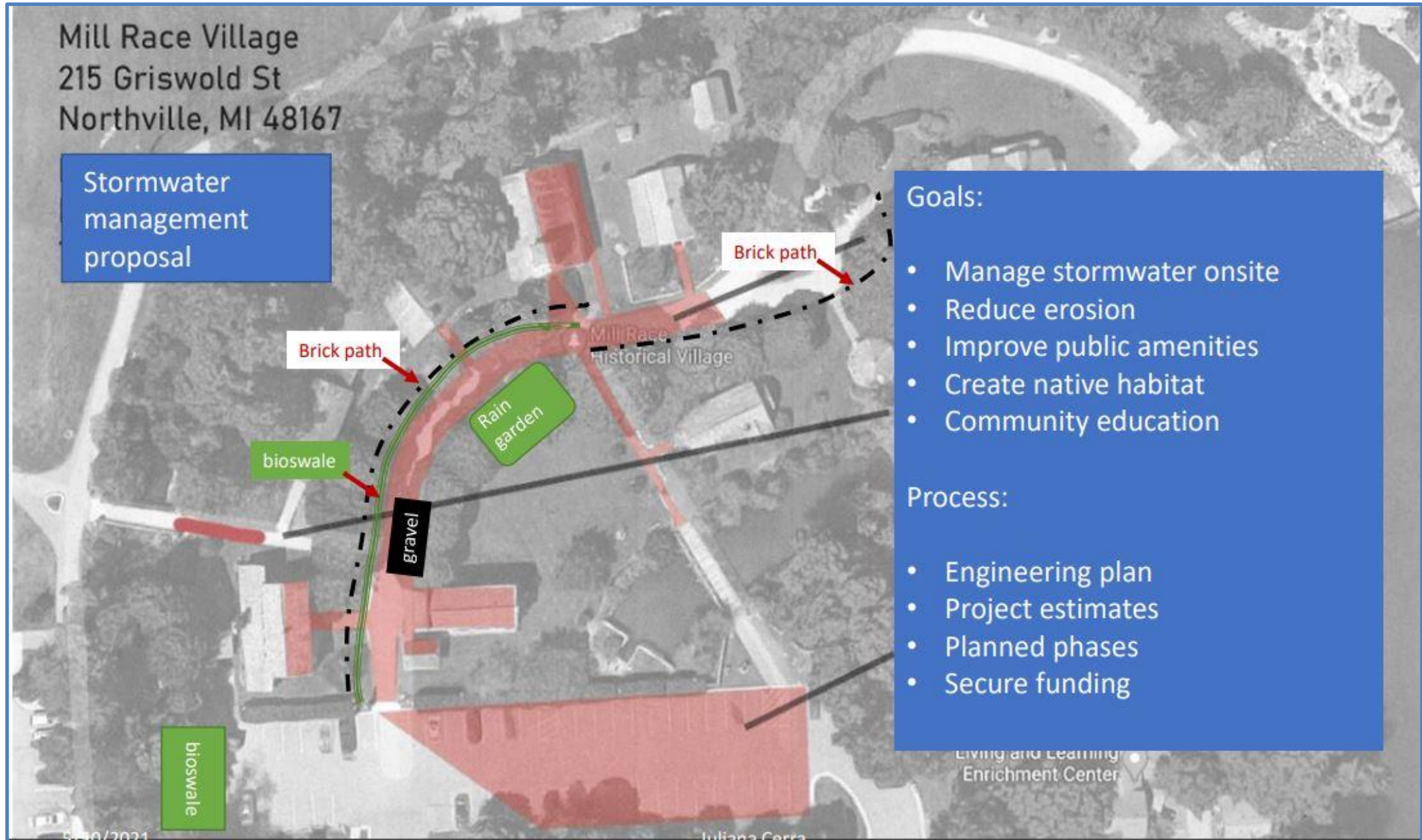
Collaboration – MSU Landscape Architecture Class

Site Condition Inventory and Analysis

1. Data collection
2. Mapping
3. Site analysis illustration
4. Concept Plan Development



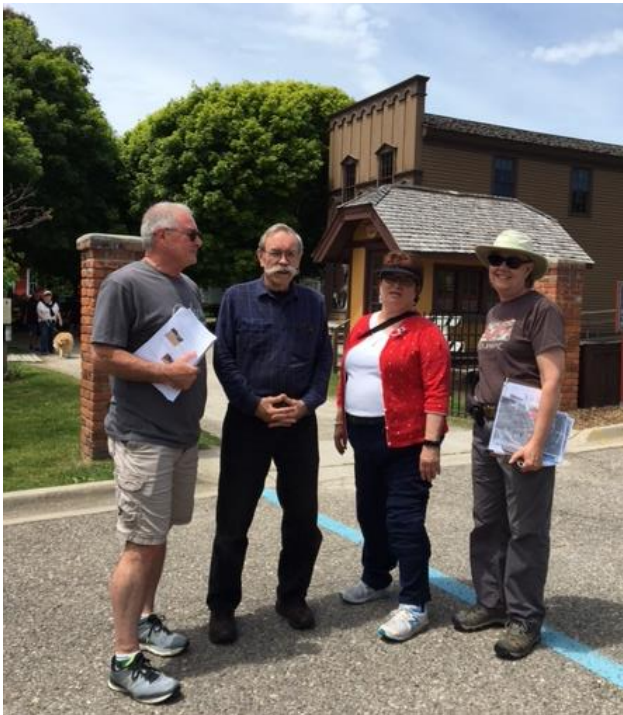
Mill Race Village Green Initiative



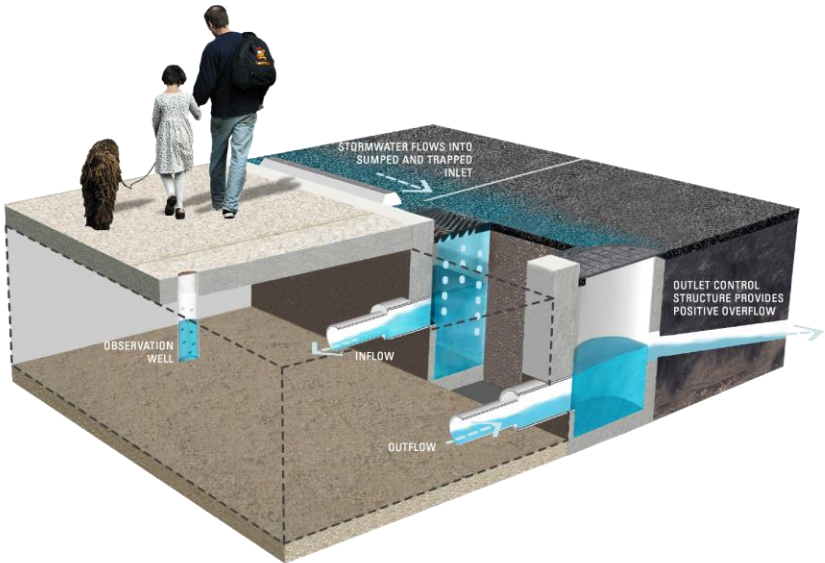
Collaboration – Northville Historical Society



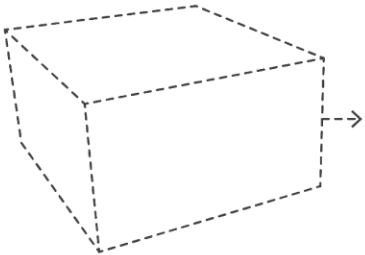
Subsurface Detention examples suggested by Don Webb for parking lot stormwater.



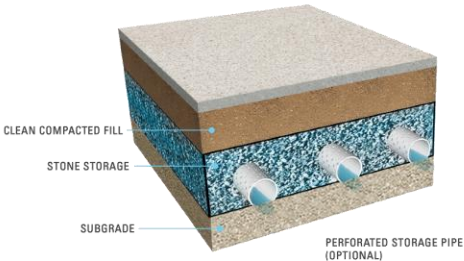
Don Webb, Bill Stockhausen, Nancy Darga, and Juliana Cerra



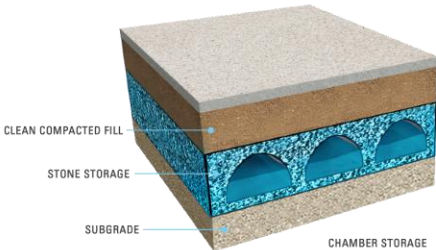
STORAGE TYPES:



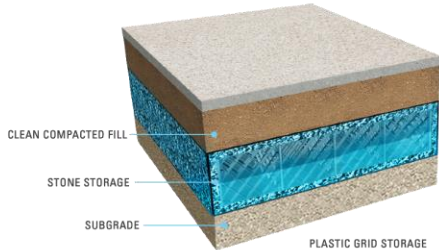
STONE STORAGE



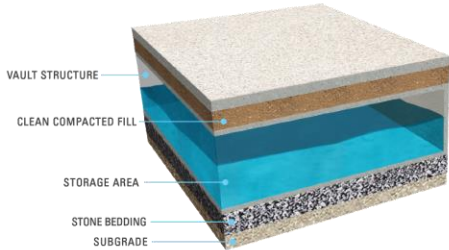
CHAMBER STORAGE



PLASTIC GRID STORAGE



STORAGE VAULT



Contents

- Introduction
- Purpose
- Team
- Recommendations
- Summary & Conclusions
- Methodology
- SubNet Areas
- Action Sites Map & List
- Action Site Details
- Cooperation Site
- Next Steps
- Appendix

November 22, 2021



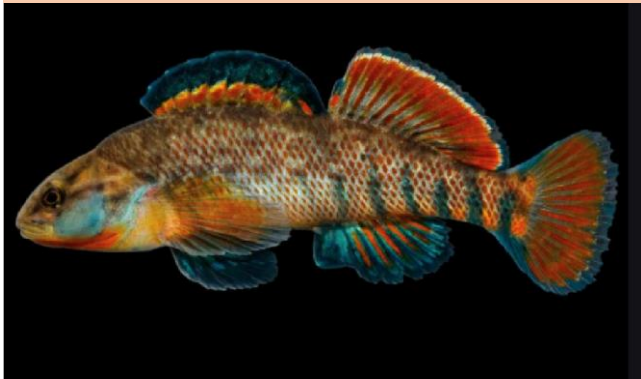
Mobility Network Study

What is a Framework Plan?

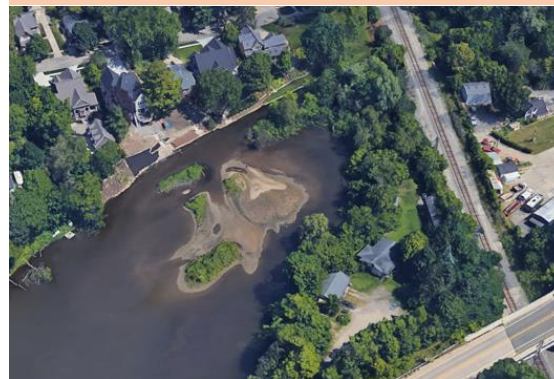
- *A document that provides a roadmap of steps to achieve stated goals & objectives*
 - *Analyzes site conditions, challenges and opportunities*
 - *Identifies projects*
 - *Supports the ability to pursue public and private funding opportunities*
-

Site Conditions: Examples

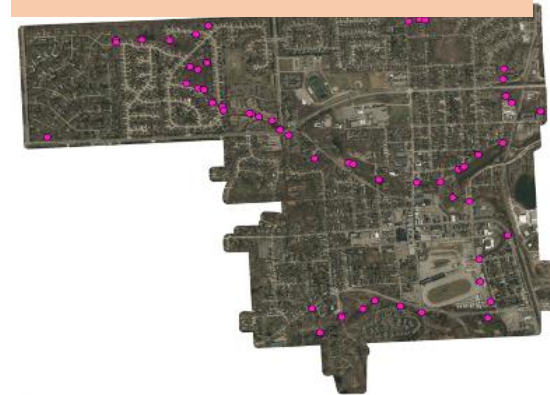
Aquatic Life
Fish, Frogs, Toads,
Bottom Dwelling Species



Sediment Deposition



Outfall Locations



Streambank
Conditions



Challenges: Examples



Erosion & Slope Stability



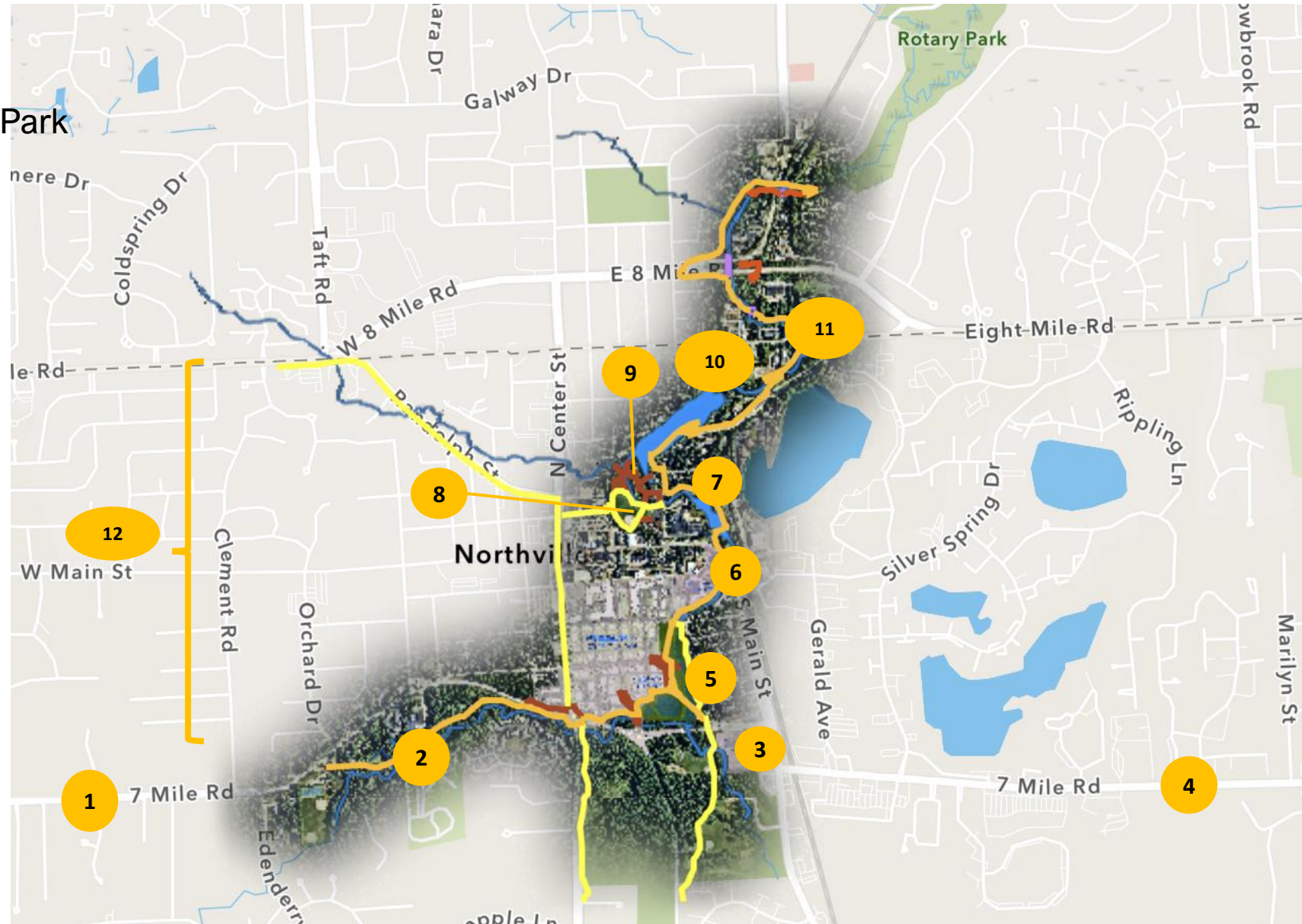
"Flashy" Stream Flows



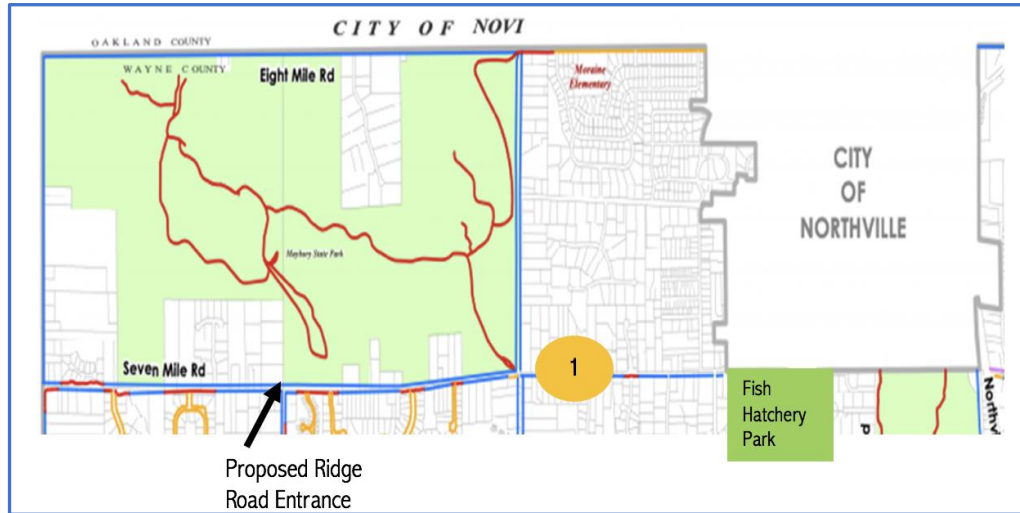
Invasive Species

Key Project Sites

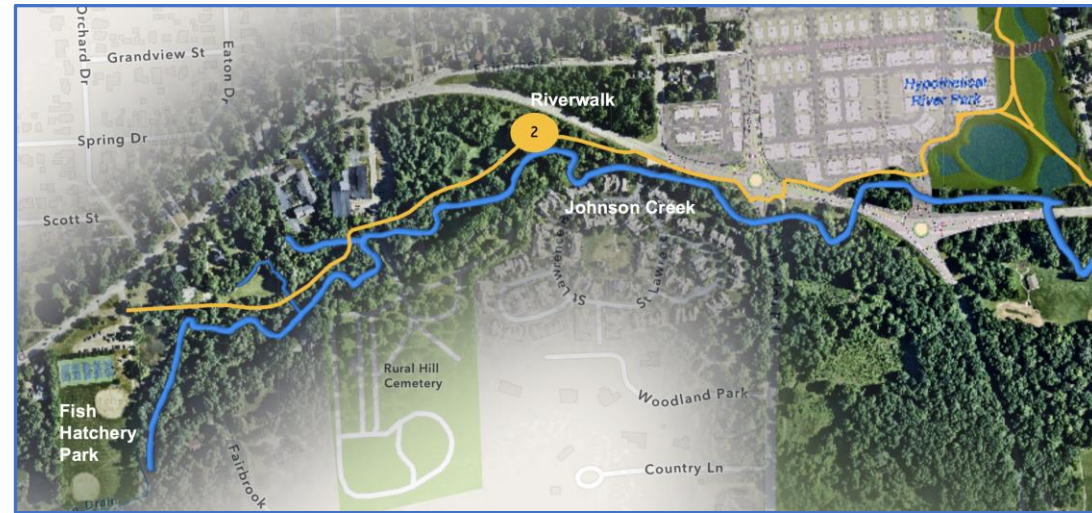
1. Seven Mile Path to Maybury State Park
2. Johnson Creek Riverwalk
3. Northville Farmers' Market
4. Seven Mile Path to Legacy Park
5. Northville Downs
6. Foundry Flask
7. Ford Field East
8. Ford Field West
9. Mill Race Village
10. Upper Mill Pond
11. Mill Pond Trail
12. Historic Sites Markers



Key Projects 1-4



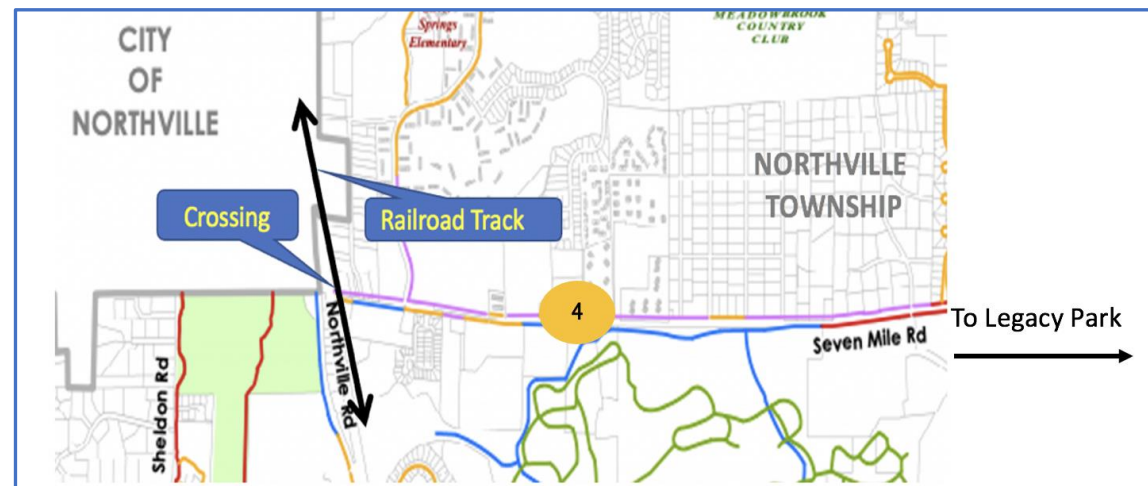
1. Seven Mile Path to Maybury State Park



2. Johnson Creek Riverwalk



3. Northville Farmers' Market



4. Seven Mile Path to Legacy Park

Key Projects - 5



5a. Northville Downs River Park and Daylighting

- Features 12-acre park
- Riverwalk provides connectivity between Foundry Flask, Ford Field and Hines Park
- River channel reduces flooding. Able to contain 100-year storm.
- Relocation of above-ground sanitary sewer pipe below the streambank.

5b. Research Preservation of Historic Log Cabin

5c. Reduce Downstream Flooding

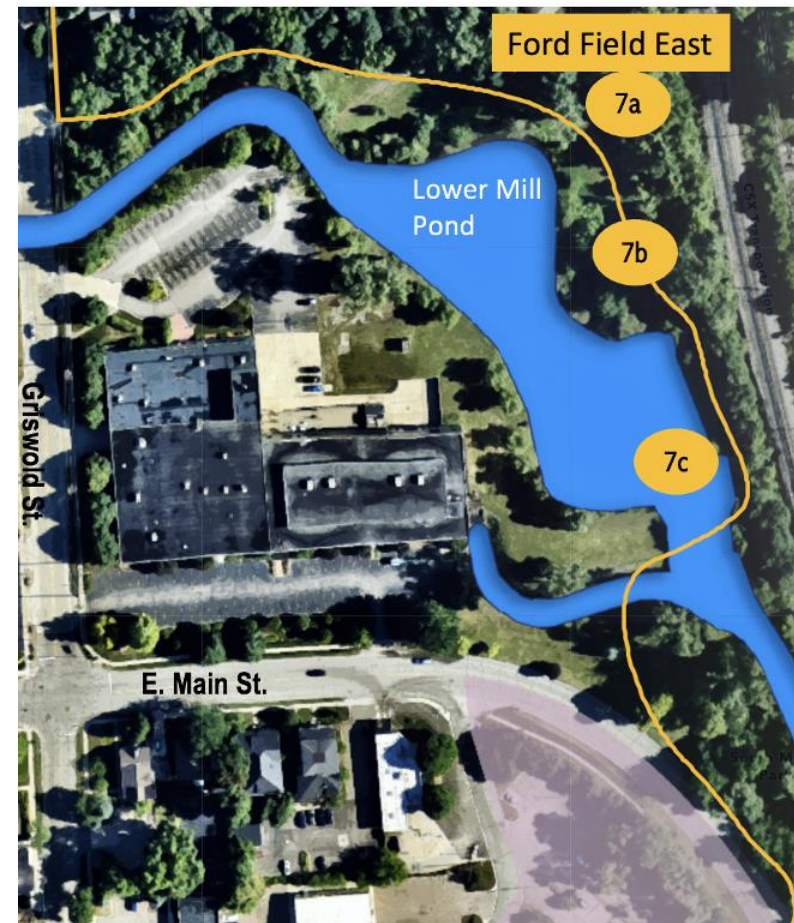
- Overall site design has significant amount of greenspace.
- Discharge to Johnson Creek and West Branch will be reduced from well over 30 million gallons to estimated 120,000 gallons (assuming annual rainfall of 33")

Key Projects – 6 & 7



6a. Foundry Flask Riverwalk

6b. Slope Stabilization



7a. Ford Field East Master Plan

7b. Riverwalk

7c. Lower Mill Pond Restoration

Key Projects - 8

Ford Field West

- 8a. Master Plan Update
- 8b. Ford Field Gateway
- 8c. Fort Griswold
- 8d. Restroom & Picnic Shelter
- 8e. Riverwalk Renovation
- 8f. Randolph Drain Serenity Point & River Stabilization



Key Projects 9 - 11

- 9. Mill Race Village Green Initiative
- 10. Upper Mill Pond Master Plan
- 11. Mill Pond Trail to Rotary Park



Grants: MI-DEQ Non-Point Pollution Resubmittal

Alliance of Rouge Communities \$ 40,000



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY
WATER RESOURCES DIVISION
NONPOINT SOURCE PROGRAM

WATERSHED COUNCIL SUPPORT GRANT APPLICATION COVER SHEET

Authorized by 1994 PA 451

Project Name: Middle Rouge River Daylighting Design

Project Location (Primary County): Wayne County



Grants: American Rescue Plan, Wayne County Submittal

Project cost	\$ 7,280,000
Engineering Fees Paid to Date (\$413,826)	
 Donated Land	 \$ 3,400,000
Wayne County request	\$ 2,000,000
Grants & Foundation Support	\$ 1,880,000



Next Steps

1. Complete the Framework Plan
2. Amend the Parks & Recreation Master Plan
3. Test for Sanitary Connections Along Seven Mile
4. Finalize the Master Project List





The Northville River Restoration Task Force