Improving Ox Creek Marcy Colclough Southwest Michigan Planning Commission





Why Ox Creek?

• 8,600 acres (13 sq miles)



Note: Boxes depict measured or calculated key indicators













What can we do to Improve Ox Creek?

- Implement urban stormwater best management practices including rain gardens, swales, green roofs, bioretention areas, and native plantings.
- Ensure **septic systems** and **sanitary sewer infrastructure** are being maintained.
- Restore **wetlands**.
- Implement **agricultural best management practices** to reduce sediment and nutrient runoff and restore hydrology. Practices include cover crop, no-till, filter strips, grassed waterways, wetland restoration and protection, drain tile management and two stage ditches.

Agricultural Landowners

Best Management Practices

- •Cover Crop
- •No Till /Conservation Tillage
- •Filter Strips
- Wetland Restoration

Wetlands

Parking Day 2016

Ox Creek

From Neglect to Opportunity

Ox Creek Watershed Overview

- Ox Creek is a warmwater stream that flows through Benton Harbor where it joins the Paw Paw River.
- It originates in agricultural lands east of the city and drains an area of 13 square miles.
- The lower portion of the watershed is heavily influenced by urbanization and stormwater runoff.
- Ox Creek is listed on Michigan's 303(d) list because it is not meeting water quality standards. Sedimentation, siltation and flashy flows are causing the impairments.

What can we do to improve Ox Creek?

- Implement **agricultural best management practices** to reduce sediment and nutrient runoff and restore hydrology. Practices include cover crop, no-till, filter strips, grassed waterways, wetland restoration and protection, drain tile management and two stage ditches.
- Implement **urban stormwater best management practices** including rain gardens, swales, green roofs, bioretention areas, and native plantings.
- Ensure sanitary sewer infrastructure and **septic systems** are being maintained.

72% loss of wetlands in the Ox Creek Watershed Existing Wetlands: 403 acres Lost/Potential Restoration Wetlands: 1,060 acres

Community Trends & The Ox Creek Vision Study

"Cities and landscapes are illustrations of our spiritual and material worth. They not only express our values but give them a tangible reality. They determine the way in which we use or squander our energy, time, and land resources."

~Leon Krier, Author & Architect

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Our Goals

Identify changing demographic metrics and how it is affecting change.

Identify what YOU, as community leaders, envision for this planning area.

Explore Opportunities at:

- Exit 27 Pipestone
- Pipestone Corridor
- Mall District

Identify our outreach strategy and who should be included

What's our Future?

Where will this development take place? How do we attract it to our communities? What should it look like? What's the path to success?

How do we help people live more efficiently !?

Number of Registered Births in the United States 1909-2004

© Political Calculations 2007

Generational Demands

The two largest generations

-The Boomers : Current ages at 50-68 years-old

-The Millennials: Current ages at 10-30

These age groups demand similar housing types.

Mansion Flats

When those aged 65 and above move, 59% are moving into attached or multi-family housing types.

-Boomers and Millennials are changing the housing market.

We have enough sprawling suburbs, it is time to respond to the demand for walkable, compact housing types that are affordable.

The younger generation behaviors reflect these desires.

Driver's License Attainment

Miles Driven: 21-30 Year-Olds

1995: 20.8 % 2001: 18.3 % 2011: 13.7%

Today, less than 25% of households are considered "traditional" i.e. Mom, Dad, Kids under the same roof.

Household Type	<u>1960</u>	<u>2000</u>	<u>2010</u>	<u>2040</u>
HH with Children	49%	36%	29%	25%
HH without Children	51%	64%	71%	75%
Single / other HH	12%	26%	28%	36%
				2000, 2010 Census

Likely Movers Preference

National Realtor's Association

62% - Close to shops, restaurants, and offices
59% - Shorter commute, but smaller home
52% - Available public transit
50% - Mix of homes
47% - Mix of incomes

The Missing Middle

This type of development is characterized by Compact Growth, Walkable Environments

Economics of Place Compact Developments

Upfront Infrastructure Costs 33% LESS

Ongoing Delivery of Services

Tax Revenue per Acre Compared to Suburban Development

Michigan Municipal League

Benefits of walkable and transit oriented development.

THE ROLE OF Communities

JOINT USE

The number of children who are physically active outside is

84

84% higher when schoolyards are kept open for public play.

TRAILS People who live near trails are

50% more likely to meet physical activity guidelines. RECREATIONAL FACILITIES Teens who live in poor or mostly minority neighborhoods are

50% less likely to have a recreational facility near home.

Active Living Research www.activelivingresearch.org

Sources: TRAILS: Huston S, Evenson K, Bors P, et al. "Neighborhood Environment, Access to Places for Activity, and Leisure-Time Physical Activity in a Diverse North Carolina Population." American Journal of Health Promotion, 18(1): 58–69, September/October, 2003. WALKABLE COMMUNITIES: Frank LD, Schmid TL, Sallis JF, Chapman J, Saelens BE. Linking objectively measured physical activity with objectively measured urban form. Findings from SMARTRAQ. American Journal of Preventive Medicine 2005; 28(252):117-125. JOINT USE: Farley T, Meriwether R, Baker E, Watkins L, Johnson C, Webber L. Safe play spaces to promote physical activity in inner-city children: Results from a pilot study of an environmental intervention. Am J Pub Health. 2007;97:1625–1631. RECREATIONAL FACILITIES: Gordon-Larsen P, Nelson MC, Page P, Popkin BM. "Inequality in the Built Environment Underlies Key Health Disparities in Physical Activity and Obesity." Pediatrics, 117(2): 417–424, 2006.

WALKABLE COMMUNITIES

People who live in walkable neighborhoods are

times

as likely to get enough physical activity as those who don't.

THE ROLE OF Transportation

IN PROMOTING PHYSICAL ACTIVITY

Medians, speed bumps and other traffic-calming efforts can reduce the number of

automobile crashes with

pedestrian injuries by up to

TRAFFIC CALMING

15%

BUS

PUBLIC TRANSPORTATION Public transit users take

30% more steps per day than people who rely on cars.

SIDEWALKS People who live in neighborhoods with sidewalks on most streets are

47% more likely to to be active at least 30 minutes a day.

50

BIKE FACILITIES In Portland, Ore., bicycle commuters ride

49% of their miles

on roads with bike facilities, even though these are only 8% of road miles.

Active Living Research www.activelivingresearch.org

Sources: SIDEWALKS: Sallis J, Bowles H, Bauman A, et al. "Neighborhood Environments and Physical Activity among Adults in 11 Countries." American Journal of Preventive Medicine, 36(6): 484–490, June 2009. BIKE LANES: Dill J et al. Bicycling for Transportation and Health: The Role of Infrastructure. Journal of Public Health Policy (2009) 30, S95–S110. doi:10.1057/jphp.2008.56). TRAFFIC CALMING: Bunn F, Collier T, Frost C, et al. "Area-Wide Traffic Calming for Preventing Traffic Related Injuries." Cochrane Database of Systematic Reviews (1), January 2003; Elvik R. "Area-Wide Urban Traffic Calming Schemes: A Meta-Analysis of Safety Effects." Accident Analysis and Prevention, 33(3): 327–336, May 2001. PUBLIC TRANSPORTATION: Edwards R. "Public Transit, Obesity, and Medical Casts: Assessing the Magnitudes." Preventive Medicine, 46(1): 14–21, January 2008.

PlaceMaking

PlaceMaking

The Process of creating quality places that people want to live, work, play, and learn in

Tactical Place-Making

MI Place "PlaceMaking Strategy"

Part of the genater "10-Point Plan Directive" being implemented by Covernor Rick Sayder's administration

- 1. Jobs Tackle Michigan's desperate unemployment rate through people, not government.
- 2 Tanes Relieve Michigan's oppressive business tax, the highest in the nation
- I Covernment More efficient, othical, and accountable. Transparency.
- People Retain our young populations and reverse the trend of population loss.
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- E. Image -Protocle Michigan nationally as a binitage landscape and tourism merca.
 Endlowment: Enclosing private/jubite partner-ships to preserve our natural landscape
 Education Currently 42nd nationally, raise Michigan resident's access to quality education
- 1) Trealth Care Should be affordable and accessible to all encourage preventative care.

itt. Positivity Less talk, more action.

MI Place "Place-Making Strategy"

Arts, Colture and Tourism as an Economic driver

MI PlaceMaking Goal

Building a Stronger Michigan Ingelline.

What defines a community first the common ground isomer people garber -hoot foucing, streets and plazar to parks, green spaces and waterbotts

in passis, Connections growing

Vie believe that by miniatizing communities and rebuilding neighborhoods, so can similarities The order state.

Fagilihee with our many partners, we insert in Michigan communities to enhance the quality of labe of our residents - and to attract and intain facilities and entropy more and workers. shroughout the state

The Hichligen Wornscholl Loggie (MHL) The Land Polley Involtate at Michigae State Linkerssity (UH) Green Michigae Institute IDMO Senso of Place Council (SCRC) Michigae State Housing Development Authority (MIARDA)

The Process of creating quality places that people want to live, work, play, and learn in.

Strategic Place-Making

Creative Place-Making

Tactical Place-Making

Creative Place-Making A pout/public partiendsproticultural signification, bringing art, testisati, or maps to otherwave ordiocreal places.

Tactical Place-Making

A physical approach to place incluing, beginning with shirt sume, kie cost, solutions that are easie to interversinglian improve. Inmates the apportunity is assessment with columns and actual them only loss time statement.

Strategic Place-Making

A structured, targeted approach to a large-scale place-making goal.

Dennis Allain

Creative Place-Making

A private/public partnership of cultural significance, bringing art, festivals, or music to otherwise neglected places.

ReBar Art & Design Studio

Tactical Place-Making

A phased approach to place-making, beginning with short-term, low cost solutions that are easy to remove/replace/improve. Provides the opportunity to experiment with solutions and adapt them into long-term strategies

PlaceMakers LLC

MI Place "PlaceMaking Strategy"

Part of the greater "10-Point Plan Directive" being implemented by Governor Rick Snyder's administration.

- 1. Jobs Tackle Michigan's desperate unemployment rate through people, not government.
- 2. Taxes Relieve Michigan's oppressive business tax, the highest in the nation.
- 3. Government More efficient, ethical, and accountable. Transparency.
- 4. People Retain our young populations and reverse the trend of population loss.
- 5. Cities Restore our cities and limit urban sprawl
- 6. Image Promote Michigan nationally as a heritage landscape and tourism mecca.
- 7. Environment Encourage private/public partnerships to preserve our natural landscape.
- 8. Education Currently 42nd nationally, raise Michigan resident's access to quality education.
- 9. Health Care Should be affordable and accessible to all, encourage preventative care.
- 10. Positivity Less talk, more action.

MI PlaceMaking Goal

Building a stronger Michigan together:

What defines a community? It's the common ground where people gather –from housing, streets and plazas to parks, green spaces and waterfronts.

We believe that by revitalizing communities and rebuilding neighborhoods, we can strengthen the entire state.

Together with our many partners, we invest in Michigan communities to enhance the quality of life of our residents – and to attract and retain businesses, entrepreneurs and workers throughout the state.

The Michigan Municipal League (MML) The Land Policy Institute at Michigan State University (LPI) Green Michigan Institute (GMI) Sense of Place Council (SOPC) Michigan State Housing Development Authority (MSHDA)

MI Place "Place-Making Strategy"

Arts, Culture and Tourism as an Economic driver

Interstate Identity

Streetscape & Corridor Improvements

Mall Redevelopment

University Mall: Tampa, Florida

Oak Hollow: High Point, North Carolina

University Mall: Tampa, Florida

STUDIO =

★macy's

Oak Hollow: High Point, North Carolina

Oak Hollow Mall Existing Conditions Credit Dwary Plater-Tyberk & Co.

Group Activity: Q&A

What role does this District play in the Southwest Michigan Region? What role should this District play in the Southwest Michigan Region in the future?

Who should the target market be for shop & play?

Who should the target market be for live & work?

To attract the latter groups, what improvements to this District should be considered?

What is the identity of Exit 29 at Pipestone today?

What should be the identity of Exit 29 tomorrow?

What role does this District play in the Southwest Michigan Region?

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Advantages & Opportunities

LLIC French Assessm.

Wightman & Associates, Inc.

OX CREEK WATERSHED

0 1000 2000 3000 1

Benton Harbor, MI

Planning Area Map 12/01/2016

Wightman & Associates, Inc.

OX CREEK PLANNING AREA Benton Harbor, MI

0 250 500 750 2

Planning Area Map 12/01/2016

PIPESTONE CORRIDOR & DISTRICT

0 200 400 600 Diapping

Wightman & Associates, Inc.

Benton Harbor, MI

Planning Area Map 12/01/2016

3

Wightman & Associates, Inc.

EXIT 29 AT PIPESTONE

0 100 200 300 4

Benton Harbor, MI

WIGHTMAN & Associates, Inc.

MALL MAP Benton Harbor, MI

² 10° 20° 30° 5 Planning Area Map 12/01/2016

Schedule

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1)	October 18th
2)	December 1 st Steering Committee Meeting #1 - Kick-Off Meeting & Engagement
3)	Early JanuaryStakeholder Meeting #1 - Issues and Opportunities
4)	Mid-JanuarySteering Committee Meeting #2 - Goals & Themes
5)	Late JanuaryDesign Charrette: Andrews University & Steering Committee
6)	Early February- Mid-MarchPlanning Phase #1: Develop Visioning Documents
7)	Late MarchSteering Committee #3 - Review and Engagement Plan
8)	Mid AprilStakeholders Meeting #2 - Review
9)	Late April – Late MayPlanning Phase #2: Develop Visioning Documents
10)	Early JunePublic Workshop
11)	Mid-JuneSteering Committee Meeting #4 - Review
12)	Late June – Late JulyPlanning Phase #3: Revise Visioning Documents
13)	Early AugustSteering Committee Meeting #5 - Review & Action Plan
14)	Mid-AugustStakeholders Meeting #3 - Review & Action Plan
15)	Late August - Early OctoberPlanning Phase #4: Develop Action Plan
16)	Mid-OctoberSteering Committee Meeting #6 - Review
17)	Early NovemberStakeholders Meeting #4 – Champions
18)	Mid-NovemberSteering Committee Meeting #7 – The Beginning

