



City of Lake Geneva, 626 Geneva St, Lake Geneva, WI 53147- 262.248.3673- www.cityoflakegeneva.gov

**SPECIAL HILLMOOR COMMISSION AGENDA
TUESDAY, OCTOBER 28, 2025 - 1:00 PM
LAKE GENEVA CITY HALL; COUNCIL CHAMBERS (MAIN LEVEL)**

Members:

Mayor Todd Krause, Alderperson Cindy Yager, Consultant Michael Krajovic; Members - Mark Davids, Kenneth Etten, Dan Getzen, Larry Happ, Paula Porbucan, Peggy Schneider and Lowell Thompson.

1. Call to Order
2. Roll Call
3. Comments from the public as allowed by Wis. Stats. §19.84(2), limited to items on this agenda, except for public hearing items. Comments will be limited to 5 minutes
4. Presentation by finalists - Hillmoor Zone 1 Conceptual Plan
 - a. R&M - Ruekert & Mielke (Hillmoor Collective)
 - b. EOR - Emmons and Olivier Resources, Inc
 - c. Upland Design
5. Discussion/Recommendation regarding selection of firm for the Hillmoor Zone 1 Conceptual Plan
6. Presentation by finalists - Hillmoor Ecological Restoration Plan
 - a. EOR - Emmons and Olivier Resources, Inc
 - b. Native Range
7. Discussion/Recommendation regarding selection of firm for the Hillmoor Ecological Restoration Plan
8. Adjournment

*A quorum of the Council may be present; however, no official Council action will be taken.
Requests from persons with disabilities who need assistance to participate in this meeting should be made to the City Clerk's
office in advance so that the appropriate accommodations can be made.*



saiiki
DESIGN



One Unified Team



HILLMOOR
COLLECTIVE

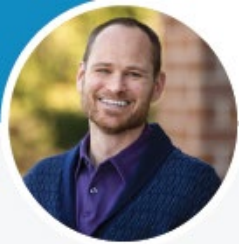
 Ruekert • Mielke

saiki
DESIGN



Project Manager

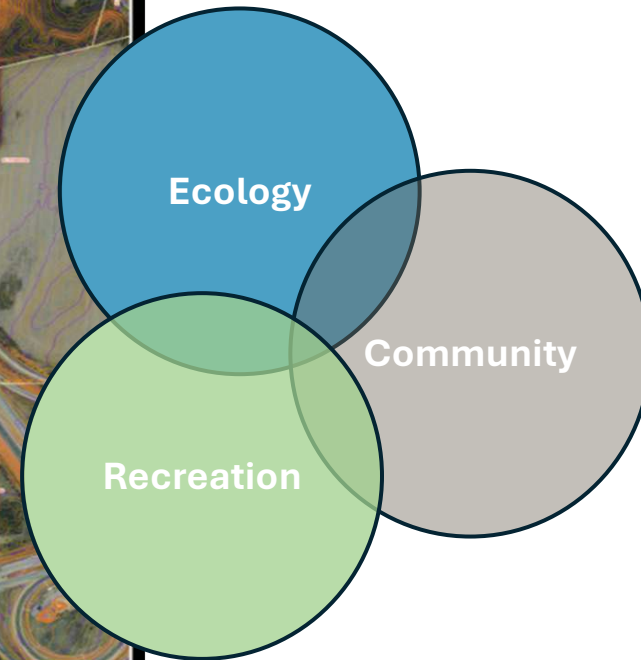
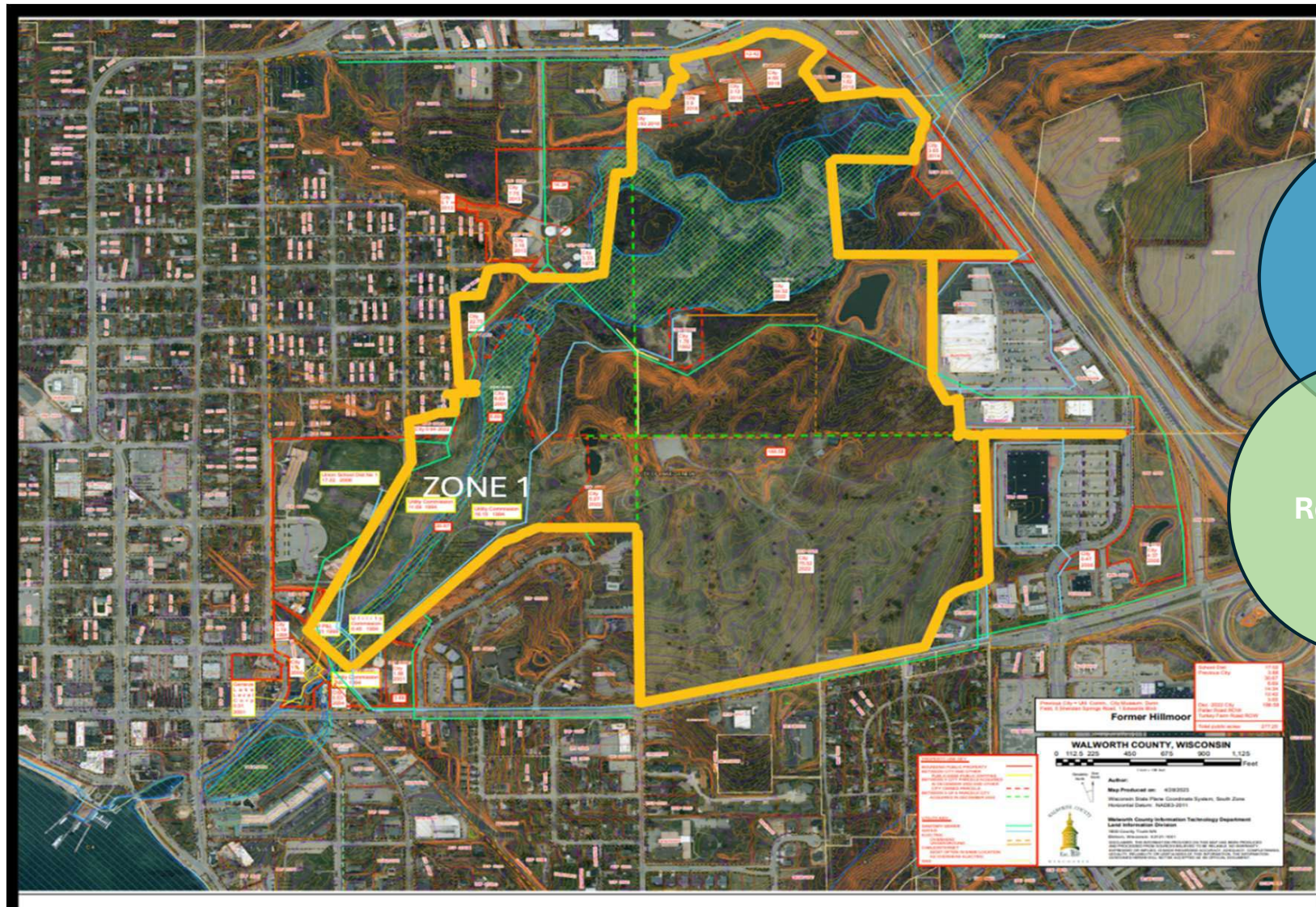
Nick Connor, MS
Ruekert & Mielke



City of Greenfield
Honey Creek Stream Restoration



We Understand The Hillmoor Vision



Design Philosophy:

Ecology Drives Experience



What does Success Look Like?



Process Overview/Timeline

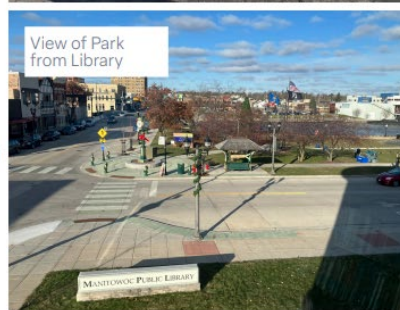
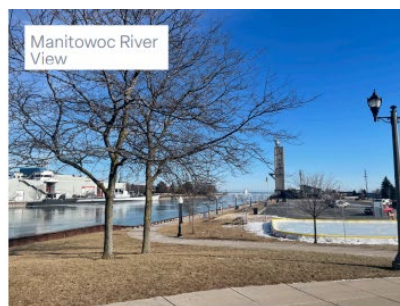
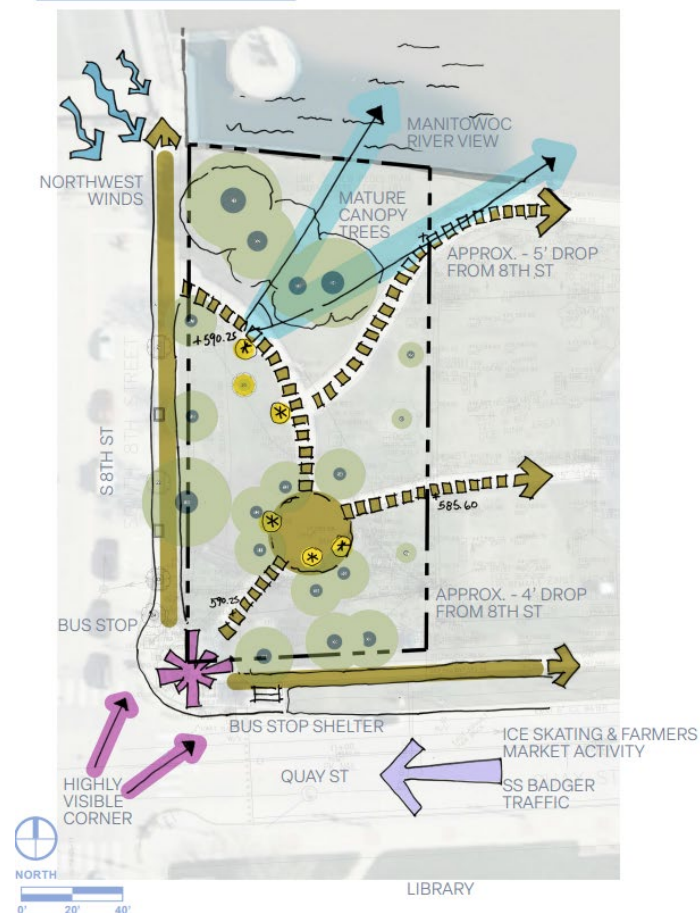


Five phases Nov. '25 – March '26:

1. Discovery & Evaluation
2. Concept Alternatives
3. Public Engagement
4. Preferred Plan & Renderings
5. Implementation Plan

Concept Development & Engagement

SITE ANALYSIS



Engaging the Community

- Blend in-person and digital engagement
- Consider on-site display(s) with QR code & online surveys
- Goal: Make every resident a part of Hillmoor's future



Community Storytelling & Design Expression



Concept Elements





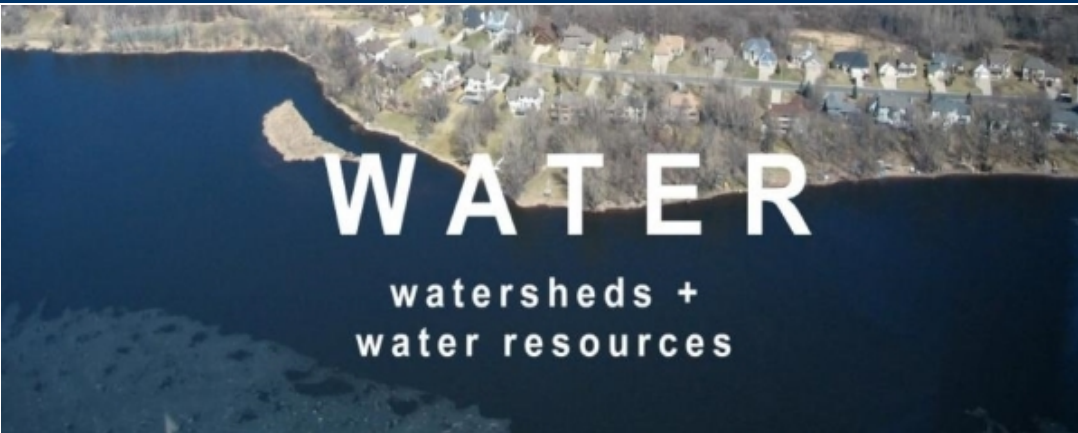
Why Us?

Hillmoor Conceptual Plan

October 28th, 2025



Emmons & Olivier Resources, Inc.
we care for the earth and its inhabitants



Water | Ecology | Community

- 29 years in business
- Offices in
 - Madison, Wisconsin
 - St. Paul, Minnesota
 - Boone, Iowa

Team members:

- civil engineers
- landscape architects
- water resource engineers
- biologists
- ecologists
- hydrogeologist
- limnologists
- wetland scientists

Our Mission:

***We care for the earth
and its inhabitants.***



Robert Stein, PLA

Landscape Architect, Project Manager

BLA in Landscape Architecture, North Dakota State University

BS Environmental Design, North Dakota State University

- 20+ yrs leading park and open-space design from concept through construction.
- Experienced in realizing underused landscapes into community-driven parks.
- Skilled visual communicator—renders, graphics, and public engagement facilitation.



Britta Hansen, PLA, OALA, AALA

Landscape Architect

MLA in Landscape Architecture, University of Texas

BA in Studio Art, Saint Catherine University

- Expert in blending art, ecology, and recreation to create immersive park experiences.
- Deep background in sustainable site design and stormwater integration.
- Proven success leading complex public park projects in the Upper Midwest and Canada.



Drew Harry

Restoration Ecologist

BA Environmental Science & English, University of Wisconsin - Madison

- Skilled in restoration planning, field surveys, and habitat design.
- Ensures native planting and restoration strategies are grounded in science.
- Connects design intent with measurable ecological outcomes.





Marla Brown

Landscape Design, Graphic Specialist

MLA in Landscape Architecture, University of Minnesota

- Specializes in visual storytelling and high-impact presentation graphics.
- Focuses on ecological health and restorative landscape design.
- Brings energy and clarity to concept visualization and community materials.



Derek Lash, PE, CPESC

Senior Civil Engineer

BS Civil Engineering, Geotechnical Emphasis, Michigan Tech. University

- 27 years experience with expertise in stormwater and grading for complex park sites.
- Designs water-centric, low-impact infrastructure that supports long-term maintenance.
- Integrates utilities and accessibility seamlessly within natural settings.



The Hillmoor Opportunity



- What will make Hillmoor Park unmistakably *Lake Geneva*, a place that couldn't exist anywhere else?
- How can this landscape teach future generations about water, nature, and resilience simply by experiencing it?
- In 20 years, how do we want people to describe the feeling of being in Hillmoor Park?
- What balance between recreation and restoration will make the park feel both alive and protected?
- How can the work we begin in Zone 1 inspire the vision and momentum for the rest of Hillmoor?



- Once-in-a-generation opportunity to transform a former golf course into a vibrant community park.
- Zone 1 – *The White River Corridor* – will set the tone for the full 230-acre Hillmoor property.
- Design will integrate recreation, ecology, and community connection.
- Enhance public access while protecting the White River and surrounding habitat.
- Balance active use with ecological restoration for beauty, biodiversity, and resilience.
- Reflect community identity and input through inclusive design.
- Build on Lake Geneva's vision for a uniquely local, sustainable, and enduring park.

EO water
ecology
community







Before

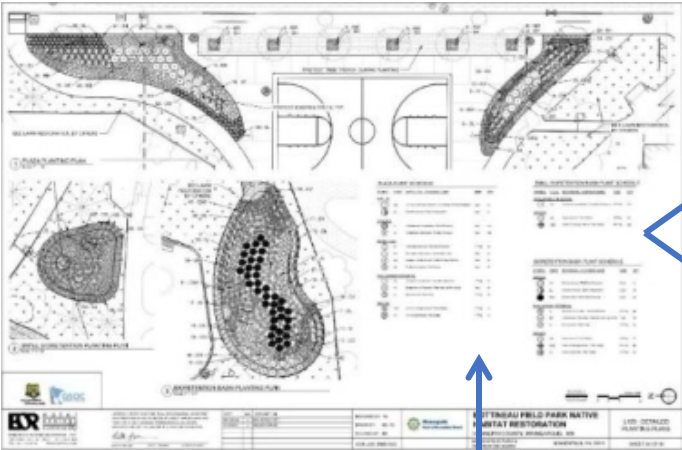


After

- We design where **natural systems and community life overlap**—not as separate parts, but as one living landscape.
- The **White River is the backbone** of the park and the inspiration for its layout, materials, and experience.
- **Native landscapes** will shape identity—restoring habitat, improving resilience, and adding seasonal beauty.
- **Community engagement** is central; design decisions grow from the voices and values of Lake Geneva residents.



Our Lens: Water + Ecology + Community

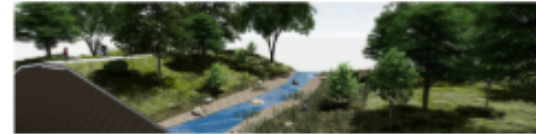
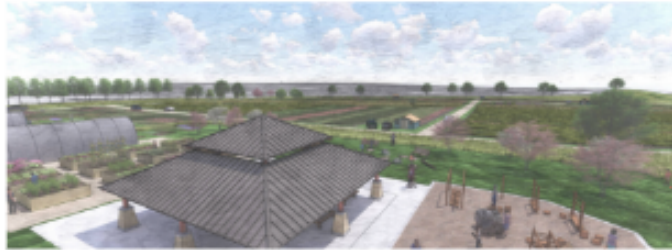




Framing the Vision for Zone 1

- **Center the River**
 - Make the White River the park's defining feature with restored banks, overlooks, and trails that bring people to the water's edge.
- **Establish a Connected Loop**
 - Create a multi-use trail linking both sides of the river, connecting to bridges, the regional trail system, and future park zones.
- **Transform the Entry Experience**
 - Redefine the gateway near the skate park and parking area as a welcoming arrival, layered with native landscaping, signage, and clear orientation.
- **Blend Recreation and Restoration**
 - Integrate amenities like the dog park, disc golf, amphitheater, and play zones within a restored natural landscape that supports habitat and stormwater function.
- **Design for All Seasons and All Users**
 - Provide accessible, flexible spaces, from sledding hills to shaded gathering areas, ensuring the park is active, inclusive, and comfortable year-round.
- **Reveal the Landscape**
 - Use grading, trails, and native planting to frame views, highlight the site's natural beauty, and express Lake Geneva's connection between community and nature.

Big Moves

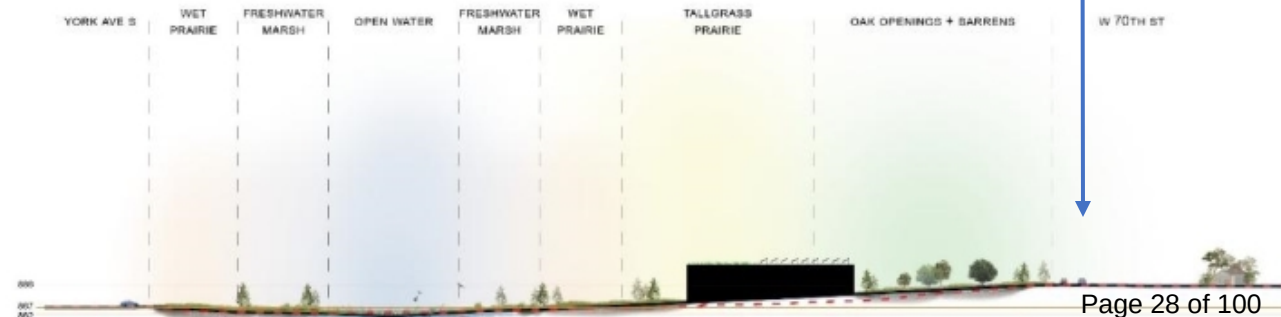
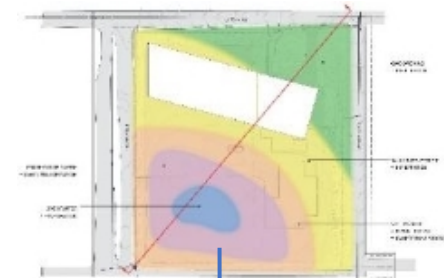
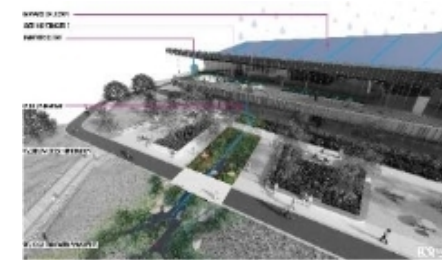




- Show how ecological design, vibrant landscaping, and recreation create an inclusive park experience.
- Use pollinator-friendly plants and colorful seasonal clusters to enhance ecological health and beauty along the river.
- Sustainable strategies ensure riverbank stability and biodiversity, while shaping spaces for both quiet and active recreation like trails, disc golf, and an amphitheater.
- All paths and amenities meet ADA standards, supporting walkers, bikers, anglers, families, and nature-lovers.
- The design focuses on inclusivity so every visitor can play, connect, and find their place in the community.



EOR water
ecology
community





Thank you!





uplandDesign Ltd
park planning and landscape architecture

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture



City of Lake Geneva

Hilltop Conceptual Plan



PRESENTATION OVERVIEW

- 
- Team
 - Experience
 - Approach



- Park Planning and Landscape Architecture Firm Established in 1998
- Primary Clients are Municipalities, Park Districts and Forest Preserves
- Experts on Understanding Park and Recreation Needs
- Custom Solutions for Each Community



Michelle Kelly
Founding Principal



Maria Blood
Principal Landscape Architect



Tom Dvorak
Landscape Architect





Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

- Engineering, Ecology, and Landscape Architecture Firm since 1976
- Majority of Clients are Public Agencies and Not-for-Profit Groups
- Focus on Water Resources and Natural Resources
- Specialize in Nature Based Solutions



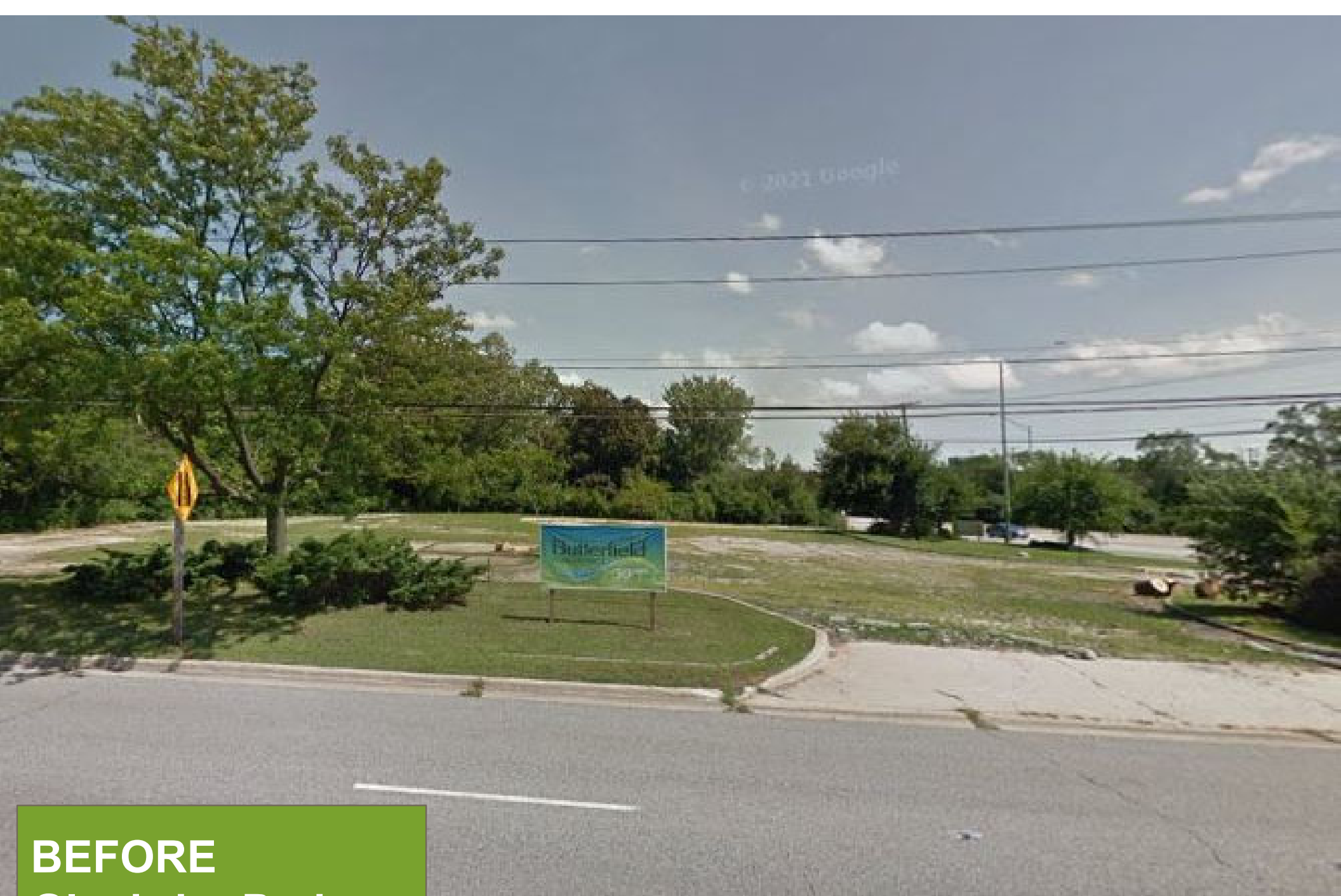
Tim Pollowy
Landscape Architect/Ecologist



Ryan Alexander
Landscape Architect

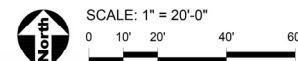
Experience





BEFORE
Glenbriar Park
Butterfield Park District

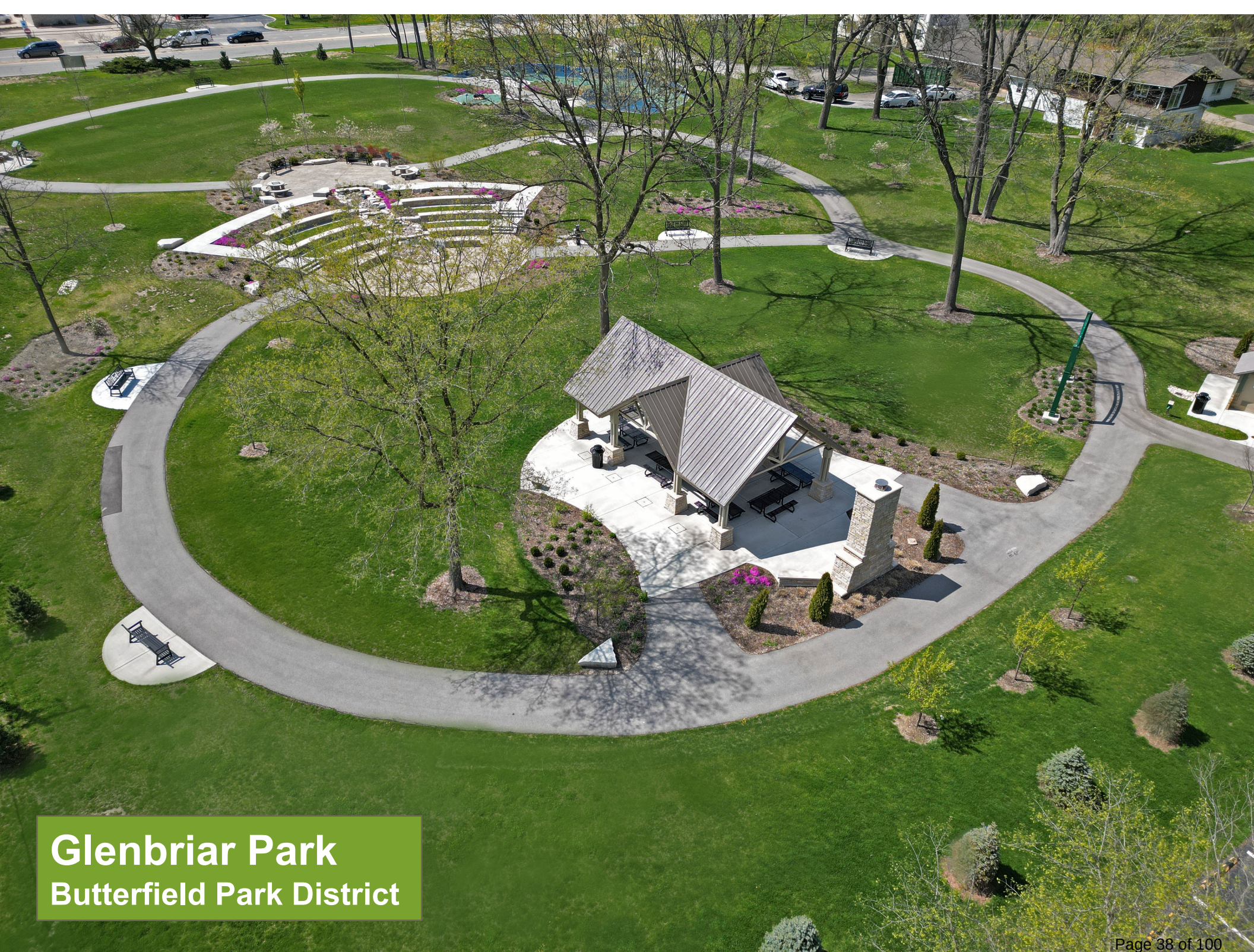
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architecture



Glenbriar Park

Butterfield Park District

MASTER PLAN



Glenbriar Park
Butterfield Park District



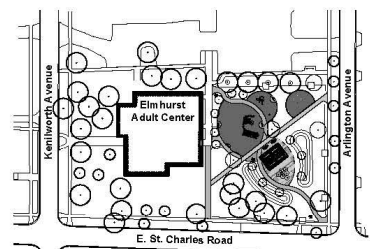
Glenbriar Park
Butterfield Park District



Glenbriar Park
Butterfield Park District



BEFORE
Centennial Park
Elmhurst Park District



OVERALL SITE

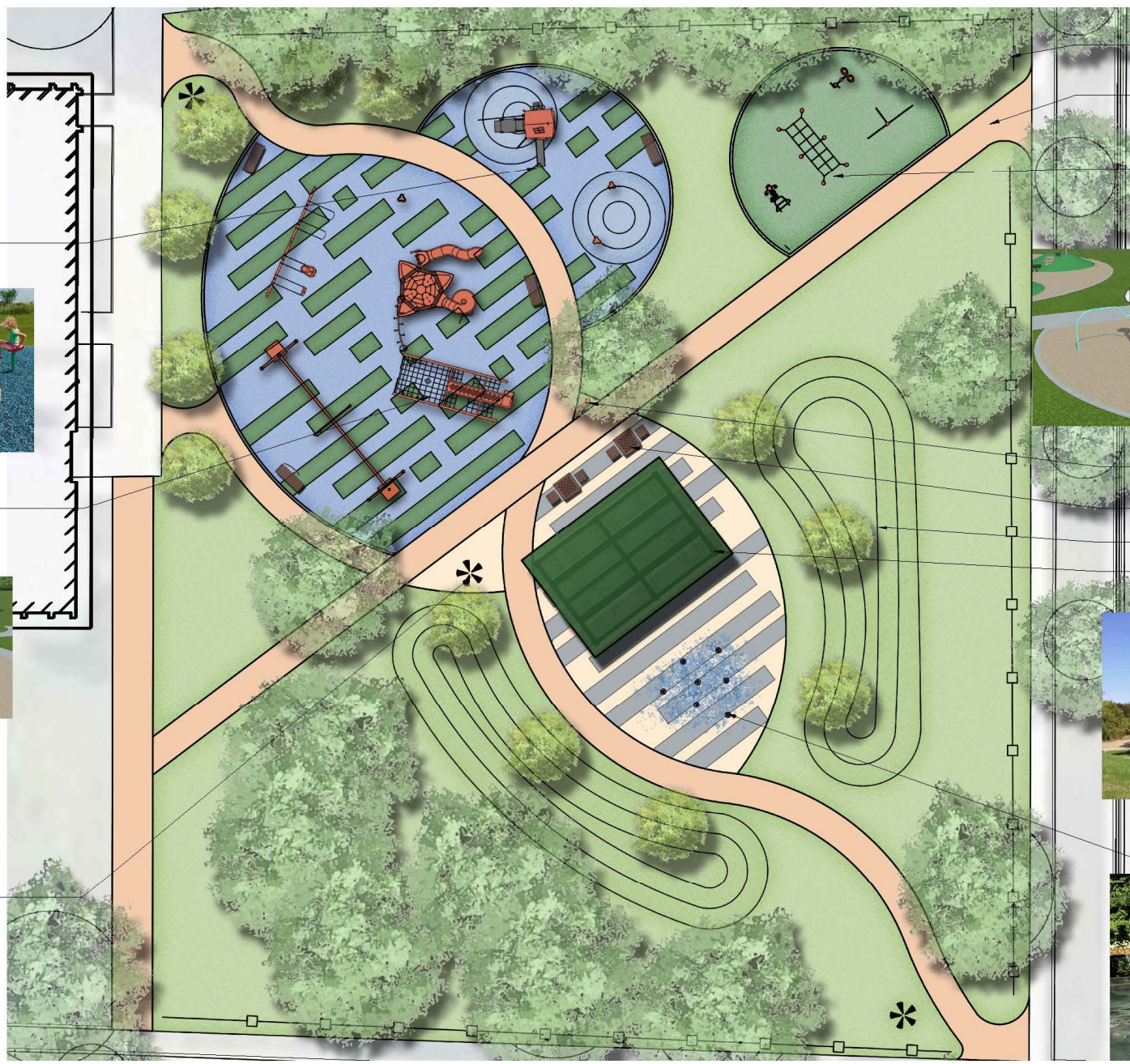
- 2-5 Play Area**
- Poured in Place Rubber Safety Surfacing
 - Play House
 - Saddle Spinners



- 5-12 Play Area**
- Poured in Place Safety Surfacing
 - 6-12 Structure
 - Overhead Net Climber
 - Traditional Swings: Belts, ADA and Tot
 - 34' Zip Line



Sculptures throughout Park



Perimeter Fence

Concrete Paths - 6' Width

Fitness Pods

- Pull-Up / Dip
- Chest / Back Press
- Tai Chi
- Hand Cycler
- Assisted Row / Push-Up
- Challenge Course Net



Drinking Fountain

Game Tables

Landscape Berm

Shelter and Plaza

- 20x30' Shelter
- Colored Concrete Plaza
- Picnic Tables



Geyser Fountain

- Ground Spray Features with Lighting



Centennial Park

Elmhurst Park District

MASTER PLAN



Centennial Park Elmhurst Park District



Centennial Park

Elmhurst Park District



BEFORE
Wolf's Crossing
Community Park
Naperville



LEGEND			
A	Basketball Courts	M	Parking Lot
B	Challenge Course	N	Pickleball Courts
C	Challenge 40-Yard Dash	O	Playground
D	Community Shelter	P	Restroom Building
E	Fields - Multipurpose	Q	Sand Volleyball Court
F	Fields - Practice	R	Splash Pad
G	Fitness Area	S	Tennis Courts
H	Hill Accessible Trail	T	Ball Field
I	Hill Overlook Shelter	U	Parks Storage Building
J	Hill Stairs	V	Connection to Forest Preserve Trail
K	Nature Area Shelter		
L	Nature Area Play		

Wolf's Crossing Community Park

Site Plan



Wolf's Crossing Community Park Naperville



Wolf's Crossing Community Park

Naperville



Wolf's Crossing Community Park Naperville

The Preserve of Highland Park is a one-of-a-kind natural area with green lawns, nature-based play areas, specialized native gardens, restored woodlands, and walking and biking trails that connect neighborhoods, downtown Highland Park, and regional biking trails.

The Preserve of Highland Park





The Preserve of Highland Park



The Preserve of Highland Park

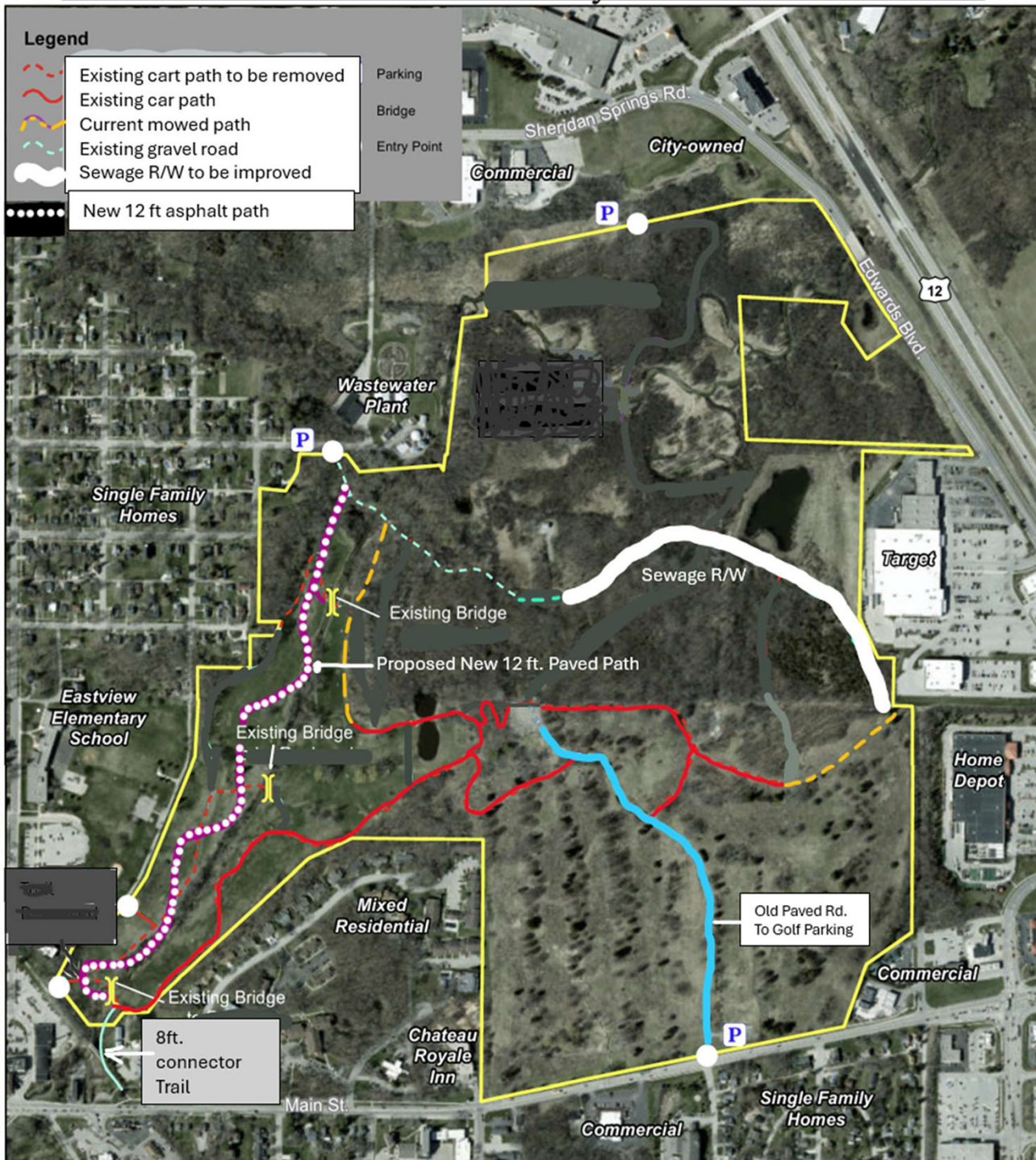
Approach

An aerial photograph of a park. In the center is a large, open-sided pavilion with a brown metal roof and stone pillars, containing several picnic tables. To the upper left is a semi-circular stone amphitheater. Winding asphalt paths connect these areas and loop around a large green lawn. There are several trees, some with bare branches and some with green leaves. In the background, a residential street with parked cars and houses is visible.

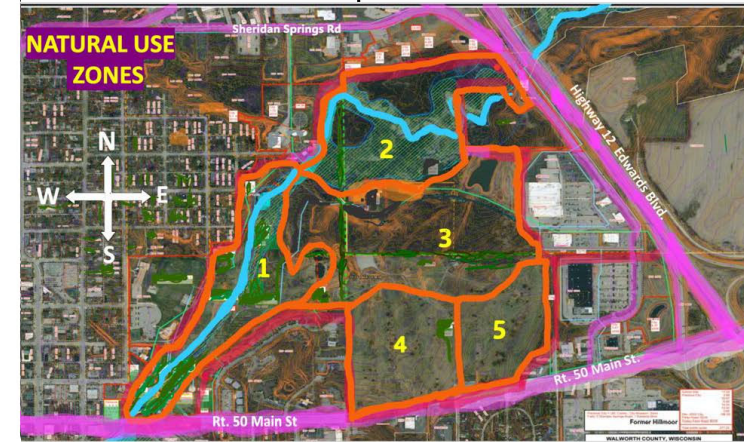
Key Project Milestones:

- Planning Meeting with Hillmoor Commission
- Presentation of Preliminary Plans to Hillmoor Commission
- Thursday & Saturday Public Input Meetings
- Summary of Input and Recommendations
- Master Plan Preparation & Presentation to the Hillmoor Commission
- Trail/Bench Layout Plans & Landscape Plans
- Final Plan Presentation to the City Council

Revised Hillmoor Preliminary Trail Plan March 2025



Understanding Current Conditions at Hillmoor A Deeper Dive



We envision Hillmoor as a cherished place where we enrich our lives by connecting with Nature, ourselves, and others.

Potential Site Elements

- Joint Walking and biking paved paths- 12' width
- Hiking Trails
- Amphitheater/ Band Shell
- Cross country skiing
- Disc Golf Course (redesign)
- Dog Parks-small & large dogs
- Fishing
- Picnic Pavilions-small & large
- Playground
- Splash Pad
- Benches & Picnic Tables
- Sledding Hill
- Parking
- Signage & Lighting
- Restrooms
- Landscape Enhancements
- Environmental Diversification & Native Plantings including Ecological & River Restoration considerations



Master Planning Process



Wolf's Crossing Community Park



Topographic Survey and Base Prep



Kick-Off Meeting and Site Visit



Site Analysis & Park Programs



Concept Development &
Cost Estimates



Hillmoor Commission Presentation



Public Input Meetings

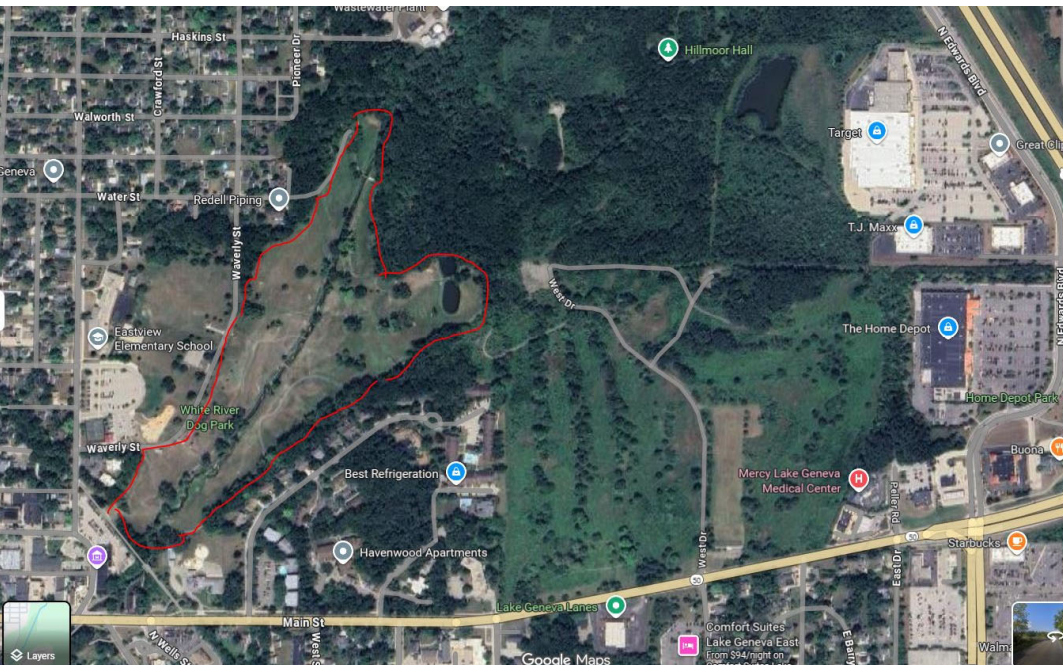


Final Master Plan

Site Analysis



NAME OF ZONE	APPROXIMATE SIZE
• ZONE 1 – WHITE RIVER AREA	32 ACRES
• ZONE 2 – WETLAND AREA	68 ACRES
• ZONE 3 – FORESTED AREA	64 ACRES
• ZONE 4 – THE GATEWAY RT. 50 AREA	38 ACRES
• ZONE 5 – POTENTIAL BUILDING AREA	21 ACRES

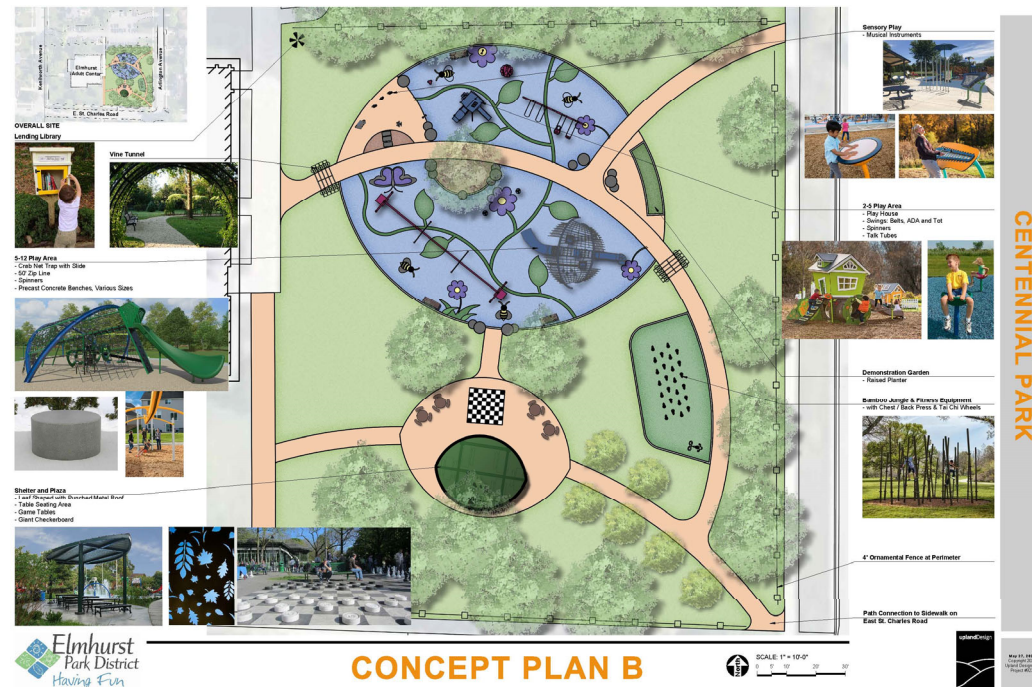
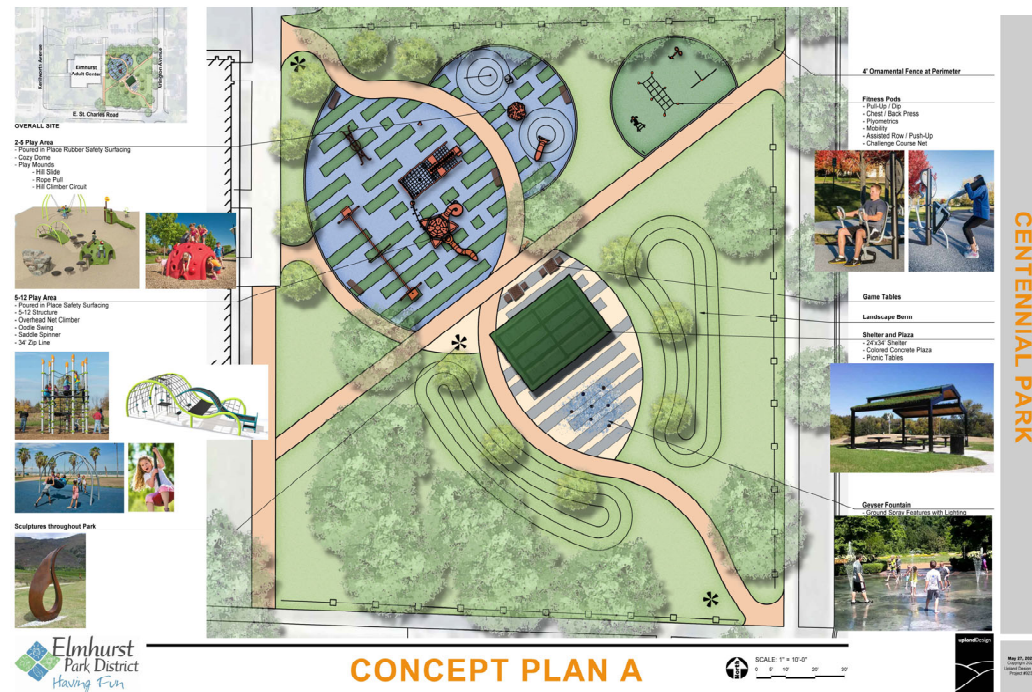


- Soils and Past Disturbance
- Hydrology
- Topography
- Adjacent Land Use
- Pedestrian and Bicycle Access & Circulation
- Vehicular Access
- Existing Uses: Disc Golf, etc...



Concept Planning

- Zone 1 Concept Park Programs
- Concept Plans & Cost Estimates
- Hillmoor Commission Review
- Plan Updates



Concept Planning

CONCEPT B



AMPHITHEATER

Working with existing topography, an amphitheater with a stage and background of the prairie offers a space for outdoor programming and education.



BASKETBALL COURT

A circular basketball court is shown that offers space for three half court games to be played simultaneously.



TENNIS / PICKLEBALL COURT

A double tennis court with additional court markings for pickleball game play.



PLAYGROUND

Playground with space for 2-5 and 5-12 year old play areas to a nature based theme.



MULTI-PURPOSE SPORTS FIELDS

Sport	Size	Quantity
Full Size Soccer	360' x 225'	2
Football	360' x 160'	2 (same)
Lacrosse	330' x 180'	2
Hockey	475' x 250'	1
Baseball	Varies	2



GROVE ROAD PARK

April 15, 2016
© Copyright 2016
upland Design Ltd.

JOLIET PARK DISTRICT



NATURAL AREAS

Trees, shrubs and prairie plants have been established on many parts of the site. As entrance and expand on those areas, selective removal along with new plantings would be done. Distinctive areas including wetlands, lowland prairie, upland prairie and savannah.



TRAILS AND BOARDWALK

Building of the existing matched trails, new loops are created to bring users in the many different natural areas found on the site.



SHELTER

A community picnic shelter allows users to find a place in the shade or invite the family out for a gathering.



NATURE PLAYGROUND PODS

Multiple playground areas along the trail with a nature based theme.



FITNESS STATIONS

Workout stations that offer programmed exercise outdoors while walking along the trail.



GROVE ROAD PARK

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JOLIET PARK DISTRICT

Public Open Houses

- Open House Format
- Show Two Options
- Include Written Survey
- Open Ended Input Cards
- Staff To Answer Questions
- Online Survey – If Desired



IDEAS & INPUT

WRITE / SKETCH / DIAGRAM / POETICIZE YOUR THOUGHTS AND COMMENTS HERE



Design Ltd
park planning and landscape architecture

Master Plan Presentation to Hillmoor Commission

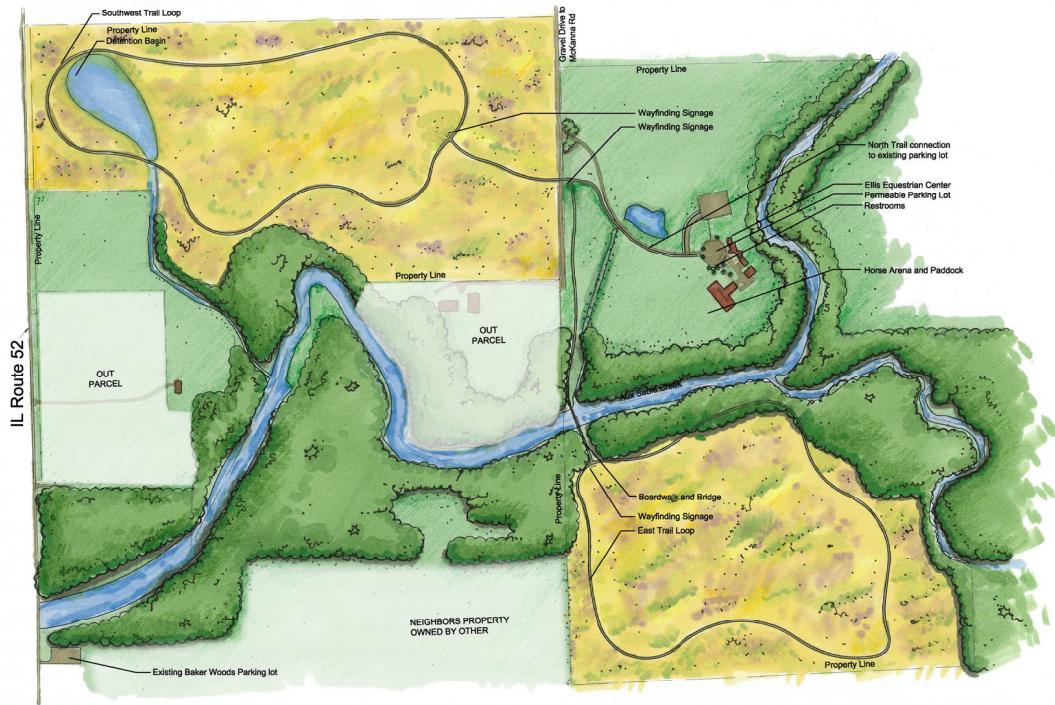
- One Color Rendered Site Plan
- Images of the Amenities
- Cost Estimates



Site Plan Orland Park Nature Center Village of Orland Park



Trail and Bench Layout



- Scaled Plans in AutoCAD
- Location & Width of Trails
- Bench Locations
- Topographic Survey as Base

Landscape Plans



Landscape Plant Palette

Perennials and Ornamental Grasses

Perennials and grasses provide color throughout the growing season when planted in combinations. Below are plants that vary in their season of bloom and color providing a variety of blooms throughout the growing seasons.



BLUE HILL SALVIA
Salvia sylvestris



CATMINT
Nepeta racemosa 'Walkers Low'



SUMMER BEAUTY ALLIUM
Allium Summer Beauty



PURPLE CONEFLOWER
Echinacea purpurea 'Magnus'



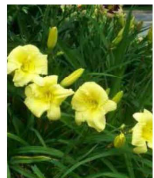
MOONBEAM TICKSEED
Coreopsis verticillata 'Moonbeam'



MAX FREI GERANIUM
Geranium maculata



LITTLE SPRITE
RUSSIAN SAGE
Perovskia atriplicifolia 'Little Sprite'



GOING BANANAS DAYLILY
Hemerocallis 'Going Bananas'



ROSY RETURNS DAYLILY
Hemerocallis 'Rosy Returns'



BUTTERFLY WEED
Asclepias tuberosa



FEATHER REED GRASS
Calamagrostis x acutiflora 'Karl Foerster'



PRAIRIE DROPSEED
Sporobolus heterolepis



SHENANDOAH SWITCH GRASS
Panicum virgatum 'Shenandoah'

- Landscape overlay with plant communities/habitats
- A detailed example of each unique landscape including a suggested planting mixes.
- Detailed planting plan for the featured gateway entry including plant list, plan locations, and size at time of installation.
- Tree planting plan: location, botanical/common name and suggested size at installation
- Cost estimate for the purchase and installation of trees



Phasing Plan



Kiwanis Park - Summary

Prepared Date: 01/12/2018

DeKalb Park District

Project #597

Preliminary Master Plan	Estimated Budget 2018	Phase 1 2019	Phase 2 2020 (Grant)	Phase 3 2021 (Grant)	Phase 4 2022	Phase 5 2023	Phase 6 2024
AREA	COST						
Parking Lot	\$ 1,887,937.53	\$ 1,361,202.96			\$ 637,467.10		
Restroom / Storage Building	\$ 655,983.83					\$ 760,465.04	
Picnic Shelter	\$ 135,169.48		\$ 143,401.30				
Natural Lawn Fields	\$ 979,873.76		\$ 332,655.38		\$ 705,828.19		
Natural Lawn Fields at Future Artificial Turf Fields	\$ 257,163.96					\$ 298,123.51	
Artificial Turf Fields	\$ 3,476,902.76						\$ 4,151,603.73
Sport Courts	\$ 173,390.20		\$ 183,949.66				
Challenge Course	\$ 168,036.78		\$ 178,270.21				
Nature Playground	\$ 347,981.25			\$ 380,248.51			
Splash Pad	\$ 270,946.25			\$ 296,070.28			
Trails	\$ 865,941.60		\$ 367,470.98	\$ 567,742.66			
Fitness Stations	\$ 138,883.75			\$ 151,762.02			
Woodland Exploration	\$ 294,089.46		\$ 311,999.51				
4th Street Landscape	\$ 122,155.43	\$ 125,820.09					
Subtotal Cost	\$ 9,774,456.03						

Total per Phase	\$ 1,487,023.05	\$ 1,517,747.05	\$ 1,395,823.47	\$ 1,343,295.29	\$ 1,058,588.56	\$ 4,151,603.73
		\$400,000	\$400,000			
		\$ 1,117,747.05	\$ 995,823.47			

*Compound Inflation Rates per Year Included

1.03

1.06

1.09

1.13

1.16

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Thank you!

Hey and Associates, Inc.
Engineering, Ecology and Landscape Architecture

Hillmoor Ecological Restoration Plan





WATER

watersheds +
water resources



ECOLOGY

ecosystem restoration,
conservation, + monitoring



COMMUNITY

civil engineering +
landscape architecture

Emmons & Olivier Resources, Inc.

29 years in business

Offices in:

- Madison, Wisconsin
- St. Paul, Minnesota
- Boone, Iowa

Our staff include:

- civil engineers
- landscape architects
- water resource engineers
- biologists
- ecologists
- hydrogeologist
- limnologist
- wetland scientists

Our Mission:

***We care for the earth
and all its inhabitants.***

Project Team



Brent Johnson, PMP

Environmental Scientist, Project Manager

MS Conservation Biology, SUNY College of Environmental Science & Forestry
BS Conservation Biology, SUNY College of Environmental Science & Forestry



Drew Harry

Restoration Ecologist

BA Environmental Science & English, University of Wisconsin - Madison



Steve Gaffield, PhD, PE, CFM

Senior Water Resources Engineer, Principal-in-Charge

PhD Geological Engineering, University of Wisconsin – Madison
MS Geology, University of Wisconsin – Madison
BA Geology and Physics, Albion College



Hallie Brychel

Natural Resources Specialist

BS Environmental Studies, University of Kansas



Maria Ciotola

Environmental Scientist

MS Environmental Conservation, University of Wisconsin - Madison
BS Environmental Science, Ohio State University



Ethan Hau

Environmental Scientist

BS Resource Management, University of Wisconsin - Stevens Point

Project Team



Challenges & Opportunities at the Hillmoor Property



Challenges



- **Past Land Use**
- **Management**
- **Invasive Species**
- **Climate**

Opportunities

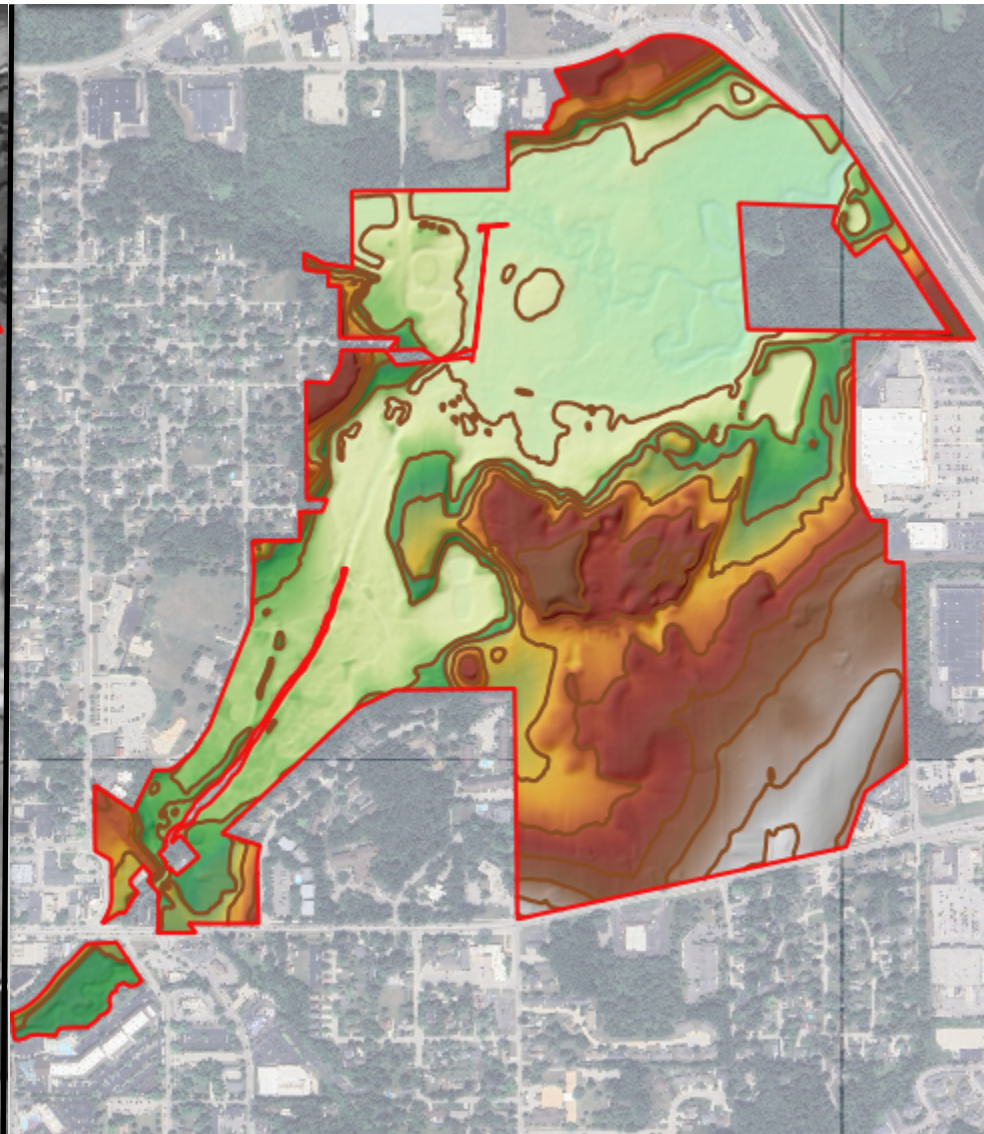


- **Habitat**
- **Natural Space**
- **Community**
- **Volunteers**
- **Climate Resiliency**
- **New Connections**

EOR Project Approach



Project Approach: Site Assessment



Project Approach: Site Assessment



Project Approach: Public Input Meeting

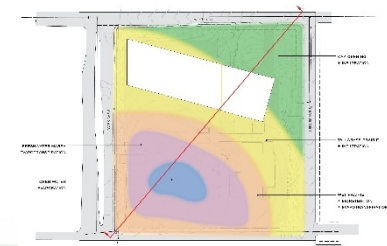
What is **your** vision for restoring the Hillmoor Property?



Project Approach: Management Strategies



EO water
ecology
community



Similar Project Experience



Past Projects: St. Louis River Estuary



Table 3. Non-native Cattail Matrix

Treatment Method	Treatment Location	
	Management Unit 4 (high-quality shallow marsh)	Management Unit 2 (monotypic cattail stands)
Broadcast Herbicide	Not recommended. Do not broadcast spray in high quality shallow marshes.	Consider broadcast (foliar or drone) if resources allow and when cattail is at 50-100% cover.
Wicking Herbicide	Use the drag method or cut and dab when cattail is at 5-25% cover adjacent to or within high quality shallow marsh.	Use drag method or cut and dab if resources allow and when cattail is at 25-50% cover.
Harvest Methods	Harvest methods can be conducted at >5% cattail cover, and may include mechanical harvest or biocontrol.	Harvest methods can be conducted at 5-100% cattail cover and may include mechanical harvest or biocontrol.
Prescribed Fire	Consider using dormant season fire within the shallow marsh as conditions allow. Fire here poses low risk. Fire can remove standing cattail biomass and start to alter nutrient dynamics in cattail dominated areas. Fire alone is unlikely to impact cattail but can be a tool as a part of broader management.	Possible for biomass reduction and preparation for seeding or herbiciding. Likely difficult due to high edge to interior ratio and nearby public infrastructure and adjacent uplands.
Interseed	Interseed once < 25% cover is reached; at least one year of monitoring data examining control response.	Interseed once <25% cover is reached; at least one year of monitoring data examining control response

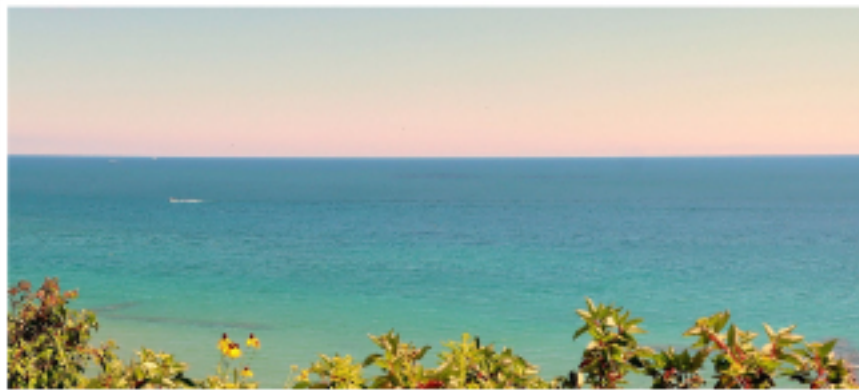
Past Projects: Lake Park Bluff

Prepared by Emmons & Olivier Resources, Inc.

Prepared for Lake Park Friends

Lake Park Bluff Restoration Plan

City of Milwaukee, Milwaukee County, Wisconsin



A view of Lake Michigan from Lake Park.¹



Past Projects: Lake Park Bluff

			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Burning	Operation	Notes												
	Prescribed Burn				x	x						x	x	x
Brush Cutting/Chainsawing	Brush Piles	burn up piles as necessary while ground is snow-covered	x	x	x								x	x
	Felling trees	ensure limited sap flow	x	x									x	x
	Cutting brush	cut as low as possible	x	x	x	x						x	x	x
	Mowing	to prevent seed set if needed					x	x	x	x				
Girdling	Tree girdling	girdle while sap flow is strong, not too late in summer					x	x						
Invasive weed control	Spraying garlic mustard	spray as early as possible				x	x							
	Spraying burdock	spray during GM control				x	x							
	Spray general invasives	parsnip, sweet clover, mullein, daylily, etc.					x	x						
	Foliar spray brush resprouts	use higher percentage of triclopyr, spray very carefully					x	x	x	x	x			
	Pulling garlic mustard	limit soil disturbance				x	x							
Seeding	Frost seeding	(Most ideal timing) post RWBB migration, heavily dependent on weather												x
	Post-burn seeding	can seed any time after a prescribed burn			x	x						x	x	x
	Plot seeding	leafblow plots and seed into			x	x						x	x	
		to establish vegetation and prevent erosion, may include annual rye or												
	Cover crop	oats				x	x	x	x	x	x			

*highlighted cells indicate the window of months each activity is best performed

Past Projects: Habitat Management Plans



Past Projects: Habitat Management Plans

Table 1: Summary of NPCs and land cover within the Protected Property

Ecological System/Land Cover	Native Plant Community Class and Type	NPC Codes	EO-Rank	S-Rank ¹
Mesic Hardwood Forest	Northern Mesic Hardwood Forest ◊ Red Oak-Sugar Maple-Basswood-(Bluebead Lily) Forest ◊ Red Oak-Basswood Forest (Noncalcareous Till) Northern Wet-Mesic Boreal Hardwood-Conifer Forest ◊ Aspen-Fir Forest Northern Wet-Mesic Hardwood Forest	MHn35 MHn35b MHn44c MHn46	BC, B, AB, A	S4, S3
Wet Forest	Northern Wet Ash Swamp Northern Very Wet Ash Swamp ◊ Black Ash-Conifer Swamp (Northeastern) ◊ Black Ash-Yellow Birch-Red Maple-Alder Swamp	WFn55 WFn64a WFn64b	C, BC, B, AB	S4, S3
Wet Meadow/Carr	Northern Wet Meadow/Carr ◊ Willow-Dogwood Swamp ◊ Sedge Meadow • Bluejoint Subtype • Tussock Sedge Subtype • Lake Sedge Subtype	WMn82a WMn82b1 WMn82b2 WMn82b4	BC, B, A	S5, S4
Open Water	N/A	N/A	N/A	N/A
Maintained Openings	N/A	N/A	N/A	N/A

¹The DNR assigns a state conservation rank (S-rank) to each NPC. The S-rank reflects the risk of elimination of the NPC within Minnesota. S-ranks range from S1 to S5, with S1 indicating the NPC is critically imperiled, and S5 indicating it is secure, common, widespread, and abundant.

In conclusion, we aim to...

- Conduct a thorough site review to increase understanding
- Recommend clear, effective restoration strategies
- Incorporate community voices and volunteers
- Have a vision toward the future
- Develop a plan tailored to Hillmoor's ecology



Thank you!



Professional Services Proposal Hillmoor Ecological Restoration Plan



**NATIVE RANGE
ECOLOGICAL**



Project Team



Native Range Ecological
Clayton Frazer
Principal Ecologist/Project Manager

Native Range Ecological
Daniel Fuhs, CESSWI
Assistant Project Manager and GIS
Specialist



Qualifications

“Truly sustainable restoration designs, specifications, and ecological plans must come from those who have actually done the work of restoration”



Areas of Expertise & Ecological Focus

Category	Focus Areas
Restoration & Management	◉ Native Prairie Restoration ◉ Oak Savanna Restoration & Management ◉ Stream Restoration
Vegetation Strategies	◉ Invasive Species Management ◉ Native Plant Management ◉ Expertise with Local Flora & Fauna
Ecological Planning	◉ Management Plan Experience ◉ Implementation Budget ◉ Climate Resiliency
Technical Skills	◉ Wildlife Ecology ◉ Botany ◉ GIS Integration



Project Approach

Concept	Definition/Role
Adaptive Management	Responsive decision-making informed by monitoring and feedback.
Iterative Process	Continuous refinement through phased planning and evaluation.
Climate Resiliency	Designing systems that withstand and adapt to climate impacts.
Biodiversity	Enhancing species richness and habitat complexity for ecosystem stability.
Prioritization	Aligning actions with ecological value, feasibility, and available resources.
Accurate Budgets for Implementation	Ensuring financial viability, transparency, and scalability. Extensive contractor partnerships.



Hitting the Ground Running

◎ Initial Deliverables

- Site Assessment 1 - November/December 2025
- Site Assessment 2 – May/June 2026
- Presentation to Hillmoor Commission - February 2026
 - *GIS map development*
 - *Supporting Document for Invasive Species*
 - *Photo Documentation*
 - *Commission and Community Feedback*



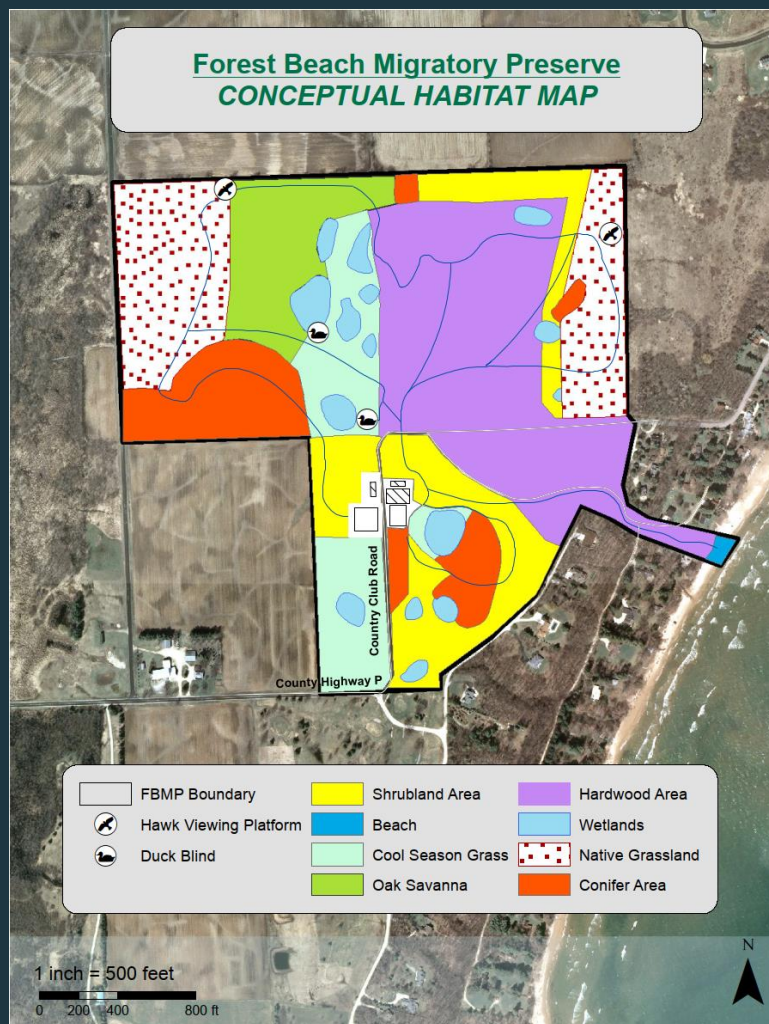
Project Challenges

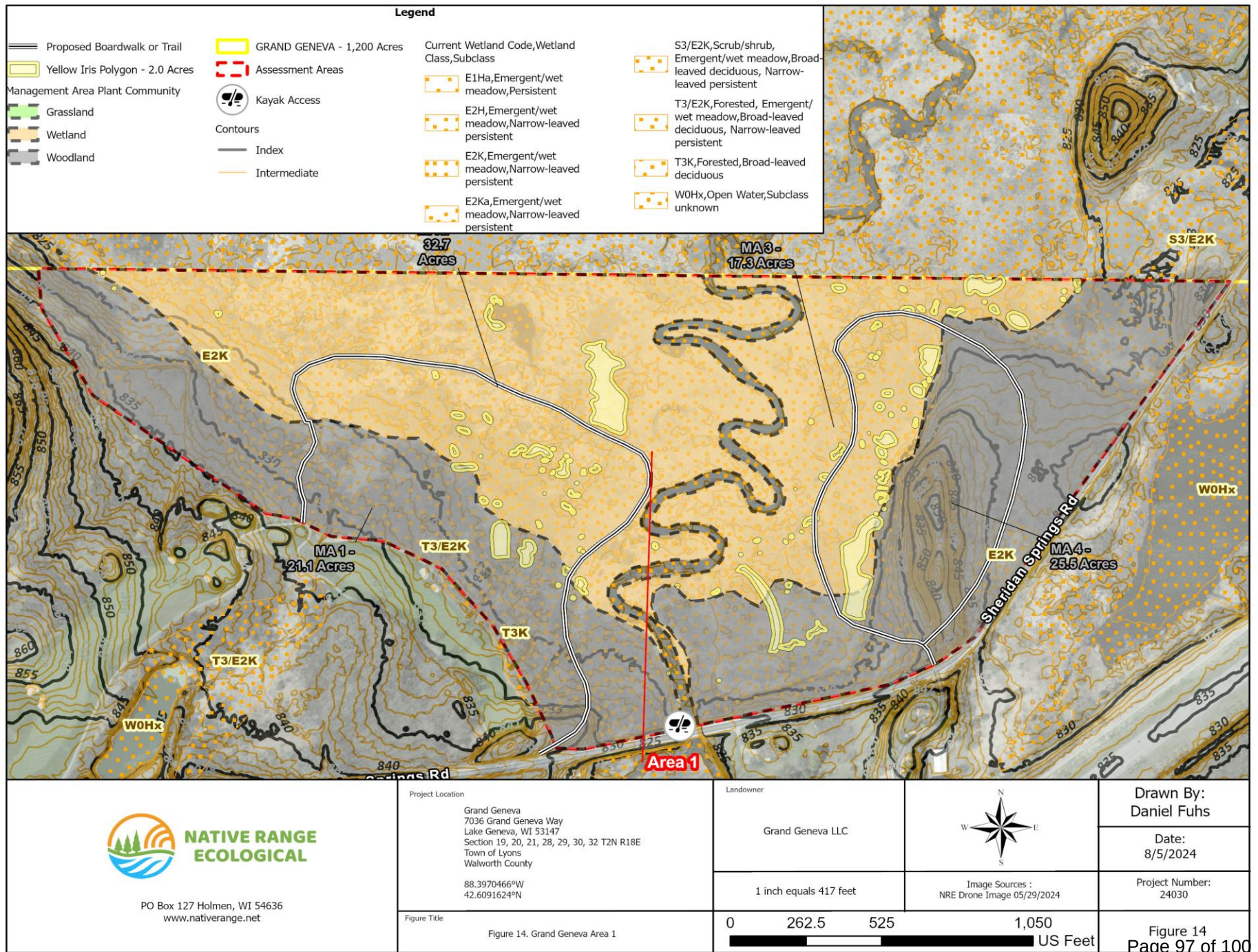
- ⦿ Budgetary Constraints
- ⦿ Emerging stakeholders in ecological restoration
- ⦿ Use of Volunteers for Restoration Activities
- ⦿ Three Implementation Strategies



Forest Beach Migratory Preserve

- 2008 – Ozaukee Washington Land Trust purchased Squires Golf Course. 116-acre golf course on Lake Michigan
- Restoration Plan Advisory Committee
- Selected to implement major aspects of restoration
- Critical stopover habitat for migratory birds
- Integration of eight habitat/community types with walking trails









Questions?



**NATIVE RANGE
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