AGENDA

1. Team Introduction
2. Project Vision and Goals
3. Site Analysis
4. Initial Patterns
5. Review of Potential Sites
6. Discussion
7. Project Schedule
TEAM INTRODUCTION
Lakeshore Nature Preserve Outreach Center
Phase I Planning
09.27.22

Highly sustainable, carbon-neutral campus facility
— Support ongoing and new teaching/field research activities
— 50-person multi-purpose community space
— Strong indoor / outdoor connections
— On-site offices for Preserve staff
— Field management tool + equipment storage / hands-on wet laboratory
— Interpretive display of Preserve activities and cultural + natural history

Lakeshore Nature Preserve
University of Wisconsin System
Project ID: A-22-007 / 9950-2281
Interview | 06.30.2022

In partnership with

Architecture
Landscape Architecture Engineering (Civil/Structural)
Engineering (Mechanical)
Cultural Consultant
Cost Estimation
Fire Protection
The Kubala Washatko Architects (TKWA) is a full service architectural, planning, and interior design firm providing award winning expertise for a wide range of project types, including: nature and interpretive centers, museums and cultural centers, libraries, residential, universities, mixed-use commercial, performing arts centers, cultural creative communities, urban design, sustainable design, and master planning.
PROJECT VISION & GOALS
Lakeshore Nature Preserve Outreach Center
Phase I Planning

Highly sustainable, carbon-neutral campus facility

Support ongoing and new teaching/field research activities

50-person multi-purpose community space

Strong indoor/outdoor connections

On-site offices for Preserve staff

Field management tool + equipment storage/hands-on work space

Interpretive display of Preserve activities and cultural + natural history
Blessing Ceremony
SITE ANALYSIS
Site Analysis

- Lakeshore Nature Preserve Area
- Outreach Center location
Site Analysis
Site Analysis
Site Analysis
Site Analysis
INITIAL PATTERNS
Pattern Writing

The goal of writing Patterns is to gain a deeper understanding of how buildings and site can be configured to support both human activity and natural processes in a harmonious way.

Writing Patterns helps identify the deeper social, spiritual, and emotional values inherent in a place.

This process offers solutions for making a place more alive, more functional, and more inviting for staff and visitors.
A Pattern describes the relationship of human activity and the built and/or natural environment best suited to enhance that activity.

Issue stated: Solution offered

A Pattern can be archetypal, crossing culture, space and time.

When a place is alive, Patterns occur at all levels of scale, from larger site-based issues to fine detail.
Initial Patterns
The beginnings of a shared language

I. Why Build Here?

II. Kinship with the Land

III. Healing the Threshold

IV. Visible Stewardship

V. A Working Building

VI. Outdoor Rooms

VII. Storage Everywhere

VIII. Treasuring Volunteers

IX. Strong Stable Shell

X. Water as Treasure

Lakeshore Nature Preserve Outreach Center
I. Why Build Here?

ISSUE:
For the casual visitor it can be easy to take for granted the effort required to maintain the Preserve. The work being done behind the scenes is not always obvious. Thus, the intrusion of a building may at first seem counterintuitive. However, the resources to properly manage the Preserve are scattered throughout campus, creating challenges and inefficiencies for both staff and volunteers. The current way of operating is not sustainable.

SOLUTION:
A new Outreach Center will give staff and volunteers a place to gather, train, store materials and equipment, and administer the many ongoing projects taking place here. A new building here will also raise awareness of the work required to protect and restore this important ecosystem. Finally, the Center will educate students and the community about the sacred cultural history of this place to the Tribes of Wisconsin.
II. A Kinship With the Land

ISSUE:
Indigenous peoples have lived in kinship with this land for thousands of years, taking only what they needed and improving the health of ecosystems along the way. How can we enlarge our notions of sustainability to include kinship with all living beings, human and otherwise?

SOLUTION:
Be certain that the ‘health of the land’ becomes the measure by which all building decisions are made. Examine each question in terms of what is ethically and aesthetically right, as well as what is economically expedient.

“A thing is right when it tends to preserve the integrity, stability, and beauty of the biotic community. It is wrong when it tends otherwise.”
Aldo Leopold, A Sand County Almanac
III. Healing the Threshold

ISSUE:
The Preserve entrance along University Bay Drive is key. Everything happens here. It is the boundary between the urban realm and a place in nature. It is the intersection of all activity - vehicle traffic, fast moving bicycles, pedestrians crossing from parking. Yet this essential space is a tangle of overlapping paths and barriers. Despite the legacy of the historic gate and wall there is no real core, no meaningful threshold into the Preserve.

SOLUTION:
No matter where the new building is sited this condition must be healed. Design efforts must create a new ‘front door’ to the Preserve.
HEALING THE THRESHOLD
Heal The Threshold

PRO:
+ Create a better balance between modes of travel
+ Create a welcoming invitation to the preserve
+ Reduce congestion at this primary location
+ Create safer passage into the preserve
+ Enlarged pedestrian zone

CON:
- Cost of road relocation/reconstruction
- Cost of bike lane relocation/reconstruction
- Cost to recreate bio-swales which treat road stormwater
- Cost to recreate parking lot
REVIEW OF POTENTIAL SITES
SITE #1  Inside the Wall

PRO
+ Proximity to current entry
+ Proximity to iconic gateway portals & stone wall
+ Land management access
+ Minimal disruption of high quality tree canopy
+ Reasonable access to water and sanitary lines
+ Out of the floodplain
+ Strong southern exposure

CON
- Potential limitations on floor plate size
- Screened view of the outreach center
- Limited options to expand in future
- Intrusion into the Preserve
- Potential impacts to a mapped archaeological site
- Disruption of Longenecker Planting at entrance

Review of Potential Sites
SITE #1 Inside the Wall

PRO
+ Proximity to current entry
+ Proximity to iconic gateway portals & stone wall
+ Land management access
+ Minimal disruption of high quality tree canopy
+ Reasonable access to water and sanitary lines
+ Out of the floodplain
+ Strong southern exposure

CON
- Potential limitations on floor plate size
- Screened view of the outreach center
- Limited options to expand in future
- Intrusion into the Preserve
- Potential impacts to a mapped archaeological site
- Disruption of Longenecker Planting at entrance
SITE #2 West Wall

PRO
+ Land management access
+ Limited infringement on known habitation sites
+ Location responds to selective removal of low-quality trees
+ Relationship to iconic gateway portals & stone wall
+ Strong relationship to pedestrian trails
+ Good visibility along University Bay Drive
+ Capitalize on topography
+ Access to utilities
+ Avoids flood plain

CON
- Potential impact to unmapped archaeological sites
- Topography cost impacts
- Solar access more challenging
- Less visible
- Intrusion into Preserve?
- Greater walking distance to entry
- Could cause a new tangle of bike/ped/vehicles if road is relocated

Review of Potential Sites
SITE #2  West Wall

PRO
+ Land management access
+ Limited infringement on known habitation sites
+ Location responds to selective removal of low-quality trees
+ Relationship to iconic gateway portals & stone wall
+ Strong relationship to pedestrian trails
+ Good visibility along University Bay Drive
+ Capitalize on topography
+ Access to utilities
+ Avoids flood plain

CON
- Potential impact to unmapped archaeological sites
- Topography cost impacts
- Solar access more challenging
- Less visible
- Intrusion into Preserve?
- Greater walking distance to entry
- Could cause a new tangle of bike/ped/vehicles if road is relocated
SITE #3 Reinforcing the Threshold

PRO
+ Proximity to current entry
+ Proximity to iconic gateway portals & stone wall
+ Creates pedestrian zone that reduces vehicle/bike conflict
+ Land management access
+ Building on previously disturbed site
+ Access to utilities
+ Strong southern exposure
+ High visibility

CON
- Flood plain encroachment
- Need to study space available for parking and building
- Need to readdress stormwater bio filtration

Review of Potential Sites
SITE #3 Reinforcing the Threshold

**PRO**
- Proximity to current entry
- Proximity to iconic gateway portals & stone wall
- Creates pedestrian zone that reduces vehicle/bike conflict
- Land management access
- Building on previously disturbed site
- Access to utilities
- Strong southern exposure
- High visibility

**CON**
- Flood plain encroachment
- Need to study space available for parking and building
- Need to readdress stormwater bio filtration
SITE #4  The West End

**PRO**
- Disturbed Site
- Parking expansion
- Ability to expand
- Relationship to Marsh
- Access to utilities
- Avoids flood plain
- High visibility
- Strong southern exposure
- No infringement of known habitation sites

**CON**
- Requires crossing University Bay Drive
- Furthest pedestrian travel from preserve entry
- Lacks strong relationship to iconic gateway portals & stone wall
- Lacks integration into the Preserve
- Less desirable visibility
- The aesthetics of photovoltaics in this location may not be desirable
- Poor acoustics due to vehicle traffic

Review of Potential Sites
SITE #4 The West End

PRO
+ Disturbed Site
+ Parking expansion
+ Ability to expand
+ Relationship to Marsh
+ Access to utilities
+ Avoids flood plain
+ High visibility
+ Strong southern exposure
+ No infringement of known habitation sites

CON
- Requires crossing University Bay Drive
- Furthest pedestrian travel from preserve entry
- Lacks strong relationship to iconic gateway portals & stone wall
- Lacks integration into the Preserve
- Less desirable visibility
- The aesthetics of photovoltaics in this location may not be desirable
- Poor acoustics due to vehicle traffic
Review of Potential Sites

1. 100yr Flood Plain
2. 500yr Flood Plain
3. Archeological Habitation Site
4. Stone Wall
5. Water Line
6. Sanitary Line

100 stall parking lot

The Kubala Washatko Architects
PROJECT SCHEDULE
## Lakeshore Nature Preserve Outreach Center
### Phase I Project Timeline

**09.27.22**

<table>
<thead>
<tr>
<th>JULY - AUGUST</th>
<th>AUGUST</th>
<th>SEPTEMBER</th>
<th>OCTOBER</th>
<th>NOVEMBER</th>
<th>DECEMBER</th>
<th>JANUARY</th>
<th>FEBRUARY</th>
<th>MARCH</th>
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<tbody>
<tr>
<td><strong>Project Kickoff</strong></td>
<td><strong>Stakeholder Engagement Strategy</strong></td>
<td><strong>Site Visit / Stakeholder Meetings</strong></td>
<td><strong>Coordination Meeting</strong></td>
<td><strong>Public Information Meeting #1</strong></td>
<td><strong>Site, Pattern, &amp; Sustainability Review</strong></td>
<td><strong>Public Information Meeting #2</strong></td>
<td><strong>Draft Design Report</strong></td>
<td><strong>Final Design Report Review</strong></td>
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<tr>
<td>Project definition</td>
<td>Review prior UW planning + stakeholder outreach</td>
<td>Site observation + assessment</td>
<td>Initial site analysis + pattern issues</td>
<td>Public Information Meeting to introduce project vision + goals</td>
<td>Review pro/con of site options</td>
<td>Review of prior stakeholder input</td>
<td>Review feedback from Public Meeting #2</td>
<td>Final review of site and building components</td>
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<tr>
<td>Review prior planning</td>
<td>Establish project</td>
<td>Key staff/stakeholder meetings</td>
<td>Review key stakeholder feedback</td>
<td>Review site options</td>
<td>Discussion of Patterns</td>
<td>Review site + building concept updates</td>
<td>Review draft rendered images and related visuals</td>
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<td>Establish project</td>
<td>Owner Team</td>
<td>Preliminary Program review</td>
<td>Program review</td>
<td>On-site Ceremony</td>
<td>Discussion of energy and other sustainable strategies</td>
<td>Review sustainable design strategies</td>
<td>Review updated cost estimate</td>
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<td>Owner Team</td>
<td>Refine Schedule</td>
<td>Discuss initial MEP + sustainable system strategies</td>
<td>Additional onsite investigation</td>
<td>Additional stakeholder interviews</td>
<td>Public reveal of preferred site option</td>
<td>Review preliminary cost estimate</td>
<td>Plan Public Meeting #3</td>
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<tr>
<td>Review sustainability goals</td>
<td>Review cultural/interpretation goals</td>
<td>Plan Public Meeting #1</td>
<td>Additional stakeholder interviews</td>
<td>(as needed)</td>
<td>Initial review of cultural considerations</td>
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<td>Review cultural/interpretation goals</td>
<td>Review other Phase I goals</td>
<td>Organize initial site visit</td>
<td>Organize stakeholder interviews</td>
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**Meeting Schedule**

- **Virtual Meeting #1**
- **Virtual Meeting #2**
- **On-Site Meeting #3**
- **Virtual Meeting #4**
- **On-Site Meeting #5**
- **On-Site Meeting #6**
- **On-Site Meeting #7**
- **On-Site/Virtual Meeting #8**
- **On-Site Meeting #9**
- **On-Site Meeting #10**

*Note: Events from July to August are marked as "Virtual."*

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**Timeline Events**

- **09.27.22**: Project Kickoff
- **06.30.2022**: Stakeholder Engagement Strategy
- **06.30.2022**: Site Visit / Stakeholder Meetings
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- **06.30.2022**: Draft Design Report
- **06.30.2022**: Final Design Report Review

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**Important Dates**

- **09.27.22**: Lakeshore Nature Preserve Outreach Center
- **06.30.2022**: University of Wisconsin System

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**Additional Information**

- **Project ID**: A-22-007 / 9950-2281
- **In partnership with**: University of Wisconsin System