Campus Master Plan

Special Focus Areas and Design Guidelines

Visit 5  September 8-10, 2008

Consultant Team
The Campus Studio / Team Leader and Master Planners
Comprehensive Facilities Planning / Space Planners
Vivian Llambi & Associates / Landscape Architects
KLH Engineers / Engineers
Visit 5  Materials

1. Utility Thresholds and Needs
2. Special Interest Area Plans
3. Design Guidelines
Utility Needs and Thresholds
## Production and Distribution Thresholds

<table>
<thead>
<tr>
<th></th>
<th>Existing Capacity (N-1)</th>
<th>Existing Demand</th>
<th>plus 150,000</th>
<th>150,000 to 400,000 s.f.</th>
<th>400,000 to 800,000 s.f.</th>
<th>800,000 to 1.6 mil s.f.</th>
<th>1.6 mil to 2.4 mil s.f.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chilled Water</td>
<td>5000</td>
<td>4500 (1)</td>
<td>OK</td>
<td>Add 2500 ton chiller</td>
<td>OK</td>
<td>Add 2500 ton chiller</td>
<td>Add 2500 ton chiller</td>
</tr>
<tr>
<td>Cooling Towers</td>
<td></td>
<td></td>
<td>Add 2 towers (2)</td>
<td>Add 2500 ton towers</td>
<td>OK</td>
<td>Add 2500 ton towers</td>
<td>Add 2500 ton towers</td>
</tr>
<tr>
<td>Power Plant</td>
<td></td>
<td></td>
<td></td>
<td>Build footprint for towers</td>
<td></td>
<td>Expand power plant</td>
<td></td>
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<tr>
<td>Distribution 24&quot;</td>
<td>6500</td>
<td>3900</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Distribution 16&quot;</td>
<td>3250</td>
<td></td>
<td></td>
<td>Loop 16&quot; dist system</td>
<td>Expand Distribution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steam</td>
<td>102,000 lbs/hr</td>
<td>20,000</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
<td></td>
</tr>
</tbody>
</table>

(1) includes BOK and SU  
(2) assumes two towers added 2008

**Assumptions:**  
300 s.f per ton for classrooms  
100 s.f per ton for labs  
400 s.f. per ton for dormitories
Existing and Proposed Utility Corridors

Blue Existing Tunnel
Red Electrical Primary
Proposed = Dashed lines
Chilled Water Production

Recommended

Existing
Special Interest Area Plans
Special Interest Areas

University selected 2 areas

Selection Criteria
Critical areas
Donor potential
Stimulate interest
Support other projects

West Quadrangle
Central Plaza

Northern Kentucky University Master Plan
Central Plaza Improvements
Bold architecture requires bold site treatments
Approach: Three Related Areas

- South: Student Union, Nunn Hall
- Central: University Center, Fine Arts, Library
- North: Founders Hall, Landrum

Northern Kentucky University Master Plan

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South Area

- Student Union
- Nunn Hall
- South Lawn
- University Center
- Fine Arts
Tall Trees and Grass are Essential

- Trees and grass most important element
- Protect and strengthen them
Impact of the new Student Union

1. Former University Center accommodates student services
2. Emphasis on East/West pedestrian movement through the new Student Union

Change in pedestrian volumes and patterns
Seating Opportunities

Conversational Configuration
North Area
North Lawn and Landscaping

- Large canopy trees and grass
- Shrubs and understory plants
- Sitting plazas and conversational pockets
Library Plaza

- Library entry treatment
- Electronic Kiosk
- Special paving
- Sitting areas
Event Area – Plaza and Tent Structure
Event Shelter

Sculpture Garden

Tent

North Lawn
Sculpture Garden

Existing Roof Area (eating area)
- Hot and barren
- Rarely used
- Structural limitations
Portal Treatment

Existing NKU Library Entrance

Wire Structure Trellis

Sculpture Placement

NC State
Sculpture Garden
Central Area
University symbols are often towers
Carillon Tower

1. Metal frame carillon with exposed bells
2. Tallest element on campus
3. Open/ transparent at the base (no brick podium)
Water Feature

Texas A & M

World War II Memorial
Student Interaction and Gathering Place

No comparable place today
Existing Patterns - Concrete and Landscaping

West Quad

Student Union

Nunn Hall

Founders Hall

Fine Arts

Library

Landrum

University Center

North
Comparison - Existing and Proposed Patterns

<table>
<thead>
<tr>
<th></th>
<th>Landscaping</th>
<th>Paving</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing</td>
<td>1.00 (22%)</td>
<td>3.5 (78%)</td>
</tr>
<tr>
<td>Proposed</td>
<td>2.00 (45%)</td>
<td>2.5 (55%)</td>
</tr>
<tr>
<td>4.5 total acres</td>
<td></td>
<td></td>
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Nunn Hall
Student Union
Nunn Hall
University Center
Library
Paving
Fine Arts
Trees & Grass
Total Space (acres)

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West Quadrangle

Identifying Issues

NOT Making a recommendation
West Entry - Connector Road Access

Preliminary Master Plan

Connector Rd

Kenton Deck

Overflow Road

Student Union

Competition Footprint

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Size

University of Connecticut
(360’ x 240’) 2.0 acres

University of Louisville
(470’ x 220’) 2.4 acres

University of Michigan
West Quad
(300’ x 300’) 2.6 acres

University of Wisconsin
Madison
South Union
(300’ x 400’) 2.8 acres

Northern Kentucky Un.
(325’ x 350’) 2.6 acres
Configuration

Major Activity Areas

1. Major Pedestrian Corridor

2. Major Arrival Area and building entry zones

3. Congregating area at Student Center entry and existing Nunn Hall plaza

4. Main image area at the Central Plaza – grade change
Building Entries

North

West Quad
2.6 acres
325' x 350'

Informatics Competition Footprint

Existing Major Entry
Proposed Major Entry
Existing Service
Proposed Service

Existing Kenton Deck

Student Union

Health Center

Founders

Nunn Hall

Existing Service

Proposed Service

1

2

3

4

5

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Student Union
One of the most significant buildings on campus

Site configuration and treatment need to reinforce this

Informatics
Needs to make an entry image statement
Activities

Large lawn area plus ....

Theater

Outdoor Cafe

Rock Climbing

Sign Up Time
Configuration

Circle

Oval

Rectangle

Irregular

Penn State

Un. Southern Indiana

University of Wisconsin

Louisiana State Un.
Design Issues - Fit

Oval
Design Issues - Fit

Oval

Circular
Design Issues - Fit

Oval  Circular  Rectangular
Transforming the West Side
Design Guidelines
Design Guidelines

Generating ever more detailed information

1. Mission Statement
2. Master Plan Goals
3. Planning Principles
4. Design Guidelines
Design Guidelines

General Topics

- Open Space
- Landscaping and Site Furnishings
- Buildings
- Site Efficiency
- Lighting
- Bicycles
- Pedestrians
- Parking
- Stewardship and Sustainability
Central Plaza Design Plan

West Quad

Nunn Hall

Founders Hall

Fine Arts

Library

Student Union

University Center

Landrum

Northern Kentucky University Master Plan

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Thanks