Agenda

Carolina North Design Framework

- Purpose
- Campus-wide Issues
- Site Development Issues
- Future Scenes
- Phasing
Purpose

Support University Mission

• Facilitate new collaborations inside the University

• Create and strengthen strategic relationships outside the University

• Provide new space for research and education
Purpose

Carolina North will be a mixed-use academic campus that:

- Houses key academic programs;
- Attracts talent to the University;
- Enhances the University’s delivery of world-class research, teaching, outreach, and service for the people of North Carolina;
- Contributes to economic development, locally and beyond; and
- Delivers a planned, sustainable development that can adapt the latest technologies.
Campus-wide Issues

• Design Context
• Sustainability Goals
• Design and Operations Performance
• Flexibility for Changing Needs
• Open Space Network
Campus-wide Issues

Design Context

- Character and Culture
- Landscape Dominant Setting
- Relationship between Open Space and Buildings
- Responsible Capacity

_We express our values in what we build._

– James Moeser
  Chancellor 2000-2008
Campus-wide Issues

Sustainability Goals

• Carolina North will be a model of sustainable community

• American College and University Presidents Climate Commitment
Campus-wide Issues

Design and Operations Performance

- Respond to environment – climate, solar orientation
- Respect for natural setting
- Habitat
- Water
- Energy
- Transportation
- Service

Sidwell Friends School, Washington, DC
Photo by Barru Halkin
Campus-wide Issues

Flexibility For Changing Needs

- Site selection integrated with program planning
- Pedagogy
- Technology
- New disciplines
- Evolution of building use
Physical Context

Carolina North

Main Campus

Mason Farm
Design Context - Site Topography
Design Context - 2007 Carolina North Plan

Carolina North Plan

Sept. 26, 2007
Open Space Network

Carolina North Plan
Development Plat Plan
July 23-24, 2008
Open Space Network - Existing Conditions
Open Space Network – Monumental Vista
Open Space Network – Monumental Vista
Open Space Network –
Presence on Martin Luther King, Jr. Blvd.
Open Space Network – Integrates Natural Landscape
Open Space Network –
Brings in the Community
Open Space Network – Monumental Vista
Open Space Network – Presence on Martin Luther King, Jr. Blvd.
Open Space Network – Integrates Natural Landscape
Open Space Network – Brings in the Community
Site Development Issues

Design Context

Form

Composition
Design Context

• Performance based, not prescriptive

• Build durably for long life; 50 year minimum

• Balance innovation and practicality

• Provide flexibility for renovation and reuse

• Variety of development strategies
Design Context

• Human scale – how the building meets the ground

• Composition – how the building turns the corner

• Massing - how the building meets the sky

• Movement Systems – how people move around
Site Development Issues - Form

Cultural Influences

Human Scale
• Active use at street level – active, visible uses with multiple entrances
• Clarity of entry – open, inviting, well-lighted
• Visual interest
• Shelter and safety – awning, colonnades, visibility
• Diverse gathering and social spaces

Noyes Community and Recreation Center, Cornell University
Photo by Kieran Timberlake Associates LLP
Site Development Issues - Form

Massing

• Geometry of plan – length and width
• Height – varies in response to context, program, site capacity
• Setbacks - how the building meets the ground
• Stepbacks – how the wall is shaped vertically
• Geometry of roof form and cornice
Site Development Issues – Composition

Proportion

- Overall
- Individual elements

Materials

- Local heritage
- Performance

Component Elements

- Legibility
- Balance innovation and practicality
- Detail
Animation View Key Plan
Phasing - Development Plat Plan
Phasing - Illustrative Fifty-year Development Plan
Phasing – Five-year Development Plan
Phasing – Fifteen-year Development Plan
Discussion