A First Class Campus, 
An Academic Park in the City
Facilities Master Plan

Scope of Work

- Objectives
  - update of the FMP
  - primary purpose: framework to guide orderly growth and development
  - integrate with UMD Strategic and Climate Action Plans

- twin focus areas
  - landscape master plan
  - transportation systems
Process

- collaborative process
  - College Park City Council
  - Public Forums
  - Student Groups
  - College Park Senate
  - Website: http://www.facilities.umd.edu/masterPlan

- 18 months to complete
Consultant team

- expert team led by Oehme, van Sweden & Associates, Inc

- landscape architecture

- multi-modal transportation

- cultural university landscapes

- environmental ecosystems

- restorations and sustainability
Facilities Master Plan

OvS

FMP Steering Committee

FMP Subcommittees

Land Use

DESIGN COLLECTIVE

Lead Planner
Matt D'Amico, RLA, ASLA

Planner / Urban Designer
Cecily Bedwell, LEED AP

OEHME, VAN SWEDEN & ASSOCIATES

Principal-in-Charge
Lisa Delpace, RLA, ASLA

Project Manager
Eric Groft, RLA, ASLA

Assistant PM
Robert Hruby, RLA, ASLA

Transportation & Sustainable Infrastructure

ARUP

Lead Transportation Planner
Trent Lethco, AICP

Sustainable Systems Expert
Vincent Lee, PE

Landscape

Vision

Planning, design and cultural heritage connected by a green infrastructure of sustainable systems and horticultural diversity

Special Consultants

Historic Preservation
Laura Hughes
EHT Traceries, Inc.

Signage / Wayfinding
Kevin Kern
Design Collective

Recreation / Team Sports
Paul Brailsford & Jeffrey Turner
Brailsford & Dunlavey
Grace Fielder, ASLA, RLA
G.E. Fielder & Associates

Site, Civil & Utility Systems
George Twigg, PE
SiteResources, Inc.

Stormwater, MDE & BMP
Bob Morelock, RLA
Site Resources, Inc.

Natural Water Systems
Andrew Parks, PE & Kate Traut
Straughan Environmental Services

Cost Estimator
Dave Pearson
Davis Langdon

Bicycle Plan
Jennifer Toole, ASLA, AICP
Toole Design Group

Landscape Architecture
Grace Fielder, ASLA, RLA
G.E. Fielder & Associates

Facilities Master Plan
Plan and Framework Overview

- emphasis on landscape design and land use
  - values urban tree canopy, open spaces and gardens
  - campus that retains a park-like atmosphere
- a model green campus that leads in sustainability of all natural resources and goes beyond the requirements
- place buildings and other facilities in ways that follow smart growth, promote collaboration among disciplines, and make the most efficient use of the limited and finite land
Plan and Framework Overview

- develop a rational transportation network that connects to the larger regional network;
  - public transit
  - reduce and limit vehicular congestion on and around campus; and makes the campus more pedestrian and bicycle friendly.
Strategies and Guidelines

- 2001-2020 Facilities Master Plan (adopted 2002) and the 2007 Update
- Environmental Stewardship Guidelines 2005
- The University Strategic Plan 2008: “create a model Green University that is a leader in environmental stewardship and sustainability”
- The University of Maryland Climate Action Plan 2009
Framework and Vision

- realize institutional excellence
- promote connectivity
- establish the highest standard for sustainability in all systems and oversight of natural and historical resources
Layering of Uses: Planning for a Holistic Community:

- Arboretum + Botanical Gardens
- Transportation
- Recreation + ICA
- Buildings + Districts
Physical Planning Principles
(Environmental Stewardship Principles Guiding Campus Physical Development)

- practice environmental stewardship in landscape design and maintenance
- enhance environmental performance of buildings and utilities on campus:
- encourage the use of transportation other than personal vehicles
Global Issues

Sustainability and Environmental Stewardship Goals

- transition to a campus of buildings and facilities that support the strategic goal of carbon neutrality
- reduce total and per capita energy demand on campus
- reduce total and per capita water consumption on campus
- incorporate life cycle assessment into decision-making for all construction projects
Global Issues

Environmental Site Design

- design with educational opportunities in mind to maximize use of campus as a living laboratory of sustainability best practices and to become a sustainable community

- realize and reveal the ecosystem potential of the campus landscape
Global Issues

Forest: additional conservation opportunities

- conserve and interpret the campus forest as a key component of the Climate Action Plan
Global Issues

Hydrology

- increase the ability of the campus natural hydrologic cycle to deal appropriately with storm water run-off

- plan and manage utility systems to avoid conflict with landscape and environmental improvements
Consultant Resource Reports

- Sustainability Framework Review: Ohme van Sweden & Associates / ARUP; January 2011
  - Performance Assessment and Enhancement:

  “Overall, the university received highest grades in:
  - Planning & Administration (Best Practice)
  - Operation (Best Practice)”

  “Opportunities for improvement include Institutional leadership and Stakeholder Engagement; with Government, industry, and foundations through research, policy formulation and information exchange in the area of sustainability as well as Greater engagement with the campus community in Administrative decision-making.”
Consultant Resource Reports

- Water Systems and Utilities Review and Recommendations:
  Ohme van Sweden & Associates / ARUP;
  February 2011

- Natural Systems Review and Potential Projects:
  Coastal Resources, Inc.; March 2011

- Environmental Site Design……Non-Structural and Micro-Scale Practices
  Site Resources, Inc.; March 2011
Questions / Discussion