Bob Fraser (AVCBA-Facilities) - Introduction

- Bob’s Background
  - SUNY Construction Fund
  - North Carolina State University
  - Relationship of Bob’s background to the organization at UNCW:
Update on Completion of the Storm Water Master Planning Process

Overview of the current regulatory environment

Current Status:
• Multiple permits for multiple projects being reviewed and approved.
• There are over 50 permits campus-wide.
• Calculations of impervious areas by drainage basin have now been completed.

Need to Bring the Planning Process Together:
• Stewardship of water quality is essential at North Carolina’s Coastal University.
• Improve our watershed.
• Establish and quantify the benefits of a consolidated plan to DWQ.
• Coordinate with the campus master plan and coordinate with capital planning efforts.

Next Steps:
• Work with DWQ to combine approximately 50 State SW Permits into 2-3 master permits
• Plan and execute future water shed improvements as a part of the master permits
• Work with Students, Faculty & Staff toward shared stewardship of improved water quality.
Storm Water Master Planning Process

Existing permitted areas
Desired Outcomes From the Storm Water Master Planning Process

**Water Re-use / Rainwater Harvesting**

Sustainability - Reducing demands for potable water by using harvested water for chilled water systems and irrigation systems.

Flood control – Reduce & minimize large scale downstream and/or on-campus infrastructure improvements (depending on location).

**Water Quality Benefits (by providing volume reduction):**

- Total Suspended Solids reduction increasing water quality and clarity
- Nutrient Reduction by using the land as a filter prior to returning water to the Ground.
- Fecal Coliform reduction:
  - Largest single contributor to reduction in the harvest of shellfish from Bradley & Hewletts Creek watershed.

**Depending on size of facilities create in the plan:**

- Create Campus Amenity Features.
- Create Educational opportunities for living laboratory spaces.
  - May be possible to begin “restoring” historical wetlands on campus by providing a “water source”.
- Introduce potential for stream stabilization / restoration.
- Harvested rainwater used for irrigation of student recreation and athletics fields etc.
Social & Behavioral Sciences Renovation Project

Current Status Overview

• Programming meetings to outline technical requirements for individual spaces with Academic department users, such as: Geography, Geology, Mathematics, Biology and Anthropology, wrapping up.
• Departmental moves from the building successfully completed.
• Building furnishings moved to storage.
• Demolition of existing finishes underway.
• Final phasing and construction package breakdown being established and scheduled in conjunction with the construction manager (CM) Balfour Beatty.
• Building connection to central plant utilities being expedited.
S&BS – Social and Behavior Science Renovations

Designer: Jenkins Peer Architects
Construction Manager at Risk: Balfour Beatty
Minority HUB Participation: Being discussed with Balfour Beatty
University of North Carolina Wilmington
S&BS Building Renovation Project

Second Floor Isometric
03 February 2014

Jenkins • Peer Architects
University of North Carolina Wilmington
S&BS Building Renovation Project

First Floor Isometric - Departmental
03 February 2014

Jenkins • Peer Architects
University of North Carolina Wilmington
S&BS Building Renovation Project

Jenkins • Peer  Architects

Longitudinal Building Section Isometric
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University of North Carolina Wilmington
S&BS Building Renovation Project

Transverse Building Section Isometric
03 February 2014

Jenkins • Peer Architects
Update on Outdoor Enhancement Project

Current Status Overview

Conceptual water color renderings have been developed for:

- Baseball Facilities including the softball / baseball hitting facility
- Tennis Facilities
- Basketball Facilities
- Soccer Facility

- Renderings will be used to assist in fundraising for the project
- A plan for fast tracking the project in compliance with state construction processes has been developed

- **Next steps:** Final coordination with recreational and athletic sports schedules;
  - To optimize planting and growing seasons:
  - Baseball practice field relocation spring of 2014
  - Site Infrastructure; Design, Spring of 2014
  - Site Infrastructure; Construction, Summer of 2014
  - Student Recreational Fields; Design, Spring of 2014
  - Student Recreational Fields; Construction commence Summer 2014
  - Finalize the scope and cost for the design contract for the remainder of the project with Jenkins Peer and SCO.
  - Final Coordination with Athletics and Student Recreation to ensure practice and competition venues are available.
UNCW Office of Facilities

Historically Underutilized Business Program (HUB Program)
Questions