

# MASTER PLAN WORKSHOP 10.17.12 Centennial Campus Precinct

## **Station 1: Coordination of Academic Programs and Physical Planning**

### **What is being done well?**

- Hunt library & CC student housing with dining – becoming real campus environment
- New buildings having interior hearth spaces – EB buildings – works well for communication
- The entrepreneurship garage works well (student technology workshop)
- Outdoor wireless mesh: research a campus use (campus as laboratory)
- Incubator system
- Connection between private industry and university faculty
- Specialized facilities: structures lab and wind tunnel
- COE's use of oval for events works well

### **What could be improved?**

|   |                    |
|---|--------------------|
| • Meeting places for on-going dialogue exchange; learning center/ professional development                            | (1 red – 1 orange) |
| • Recreation facility   | (8 red – 3 orange) |
| • Seek campus feedback from the private sector (from CC partners, not solely academic programs)                       | (3 red – 1 orange) |
| • Communications/data infrastructure to support Twitter, Facebook, other  | (1 orange)         |
| • Center for 'student success' – one stop shop for student services   | (1 orange)         |
| • Use Distance Education technology between campuses – use technology rather than moving students between campuses    |                    |
| • Network should be built-in to campus, shouldn't have to use preferred provider                                      | (1 red)            |
| • More outdoor hearths with power, tables, shade, internet  | (3 orange)         |
| • Low-E glass (EB3) and metal panel interferes with cell phone use – need 'cell repeaters' installed in buildings     | (1 orange)         |
| • Funding more permanent 'garage' and incubator – more space  | (1 red – 2 orange) |
| • Planning for changing work practices – collaborative space within offices and exterior                              | (2 red – 1 orange) |
| • Continuing care retirement center – lectures, mentoring, and center academic programs on aging – living lab concept | (1 red – 1 orange) |
| • Outdoor classrooms  | (1 orange)         |
| • More Centennial meshtype research/campus use applications – facilities/ departments collaboration to make work      | (1 red)            |

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## **Station 2: Mixed-Use Activities Issues**

### **What is being done well?**

- Having food service- Food trucks (although there are long lines), iCafe (temp, would need to locate/replace), Wolfridge Dining (needs to be advertised)
- Golf Course/ playing fields
- Weekend outdoor events- (Polar plunge, Eng Groups, Lake Raleigh, Greenway)
- Atrium at EBI (EBII doesn't work as well)
- Hunt Library
- C-Store, Port City Java (Need longer hours of operation)
- Shower facilities in new buildings
- Atrium at COT → Conf, awards, dinner but needs aesthetic improvements/renovations
- Nice entrances in new buildings (renew older building entrances)

### **What could be improved?**

|  |  |
|--|--|
| • Indoor Rec Facilities (Currently none, only limited outdoors)  | (3 orange)                               |
| • Limited success of outdoor gathering (due to lack of amenities)  | (1 red - 1 orange)                       |
| • Continued care of facility, amenities (Retired faculty senior care for adult relatives outside comm?) <ul style="list-style-type: none"> <li>▪ Childcare (REF: RTI)</li> <li>▪ Pet care (Vet School)</li> </ul>  | (2 red - 2 orange)                       |
| • Amenities associated with dorms (related to living/working) <ul style="list-style-type: none"> <li>▪ Make current amenities more obvious and visible (Port City Java, etc; hidden in building, not on Main St.)</li> <li>▪ Need a store, not just food; rather than hitching a ride to Kmart, for example</li> </ul> |  |
| • Living/ working community, not just 9-5 (such as a bar and grill) <ul style="list-style-type: none"> <li>▪ Missing place to convene after work</li> <li>▪ Student center (maybe the library, maybe by the lake) other outdoor venues; Student housing, private apartments (security issue)</li> </ul>                | (3 red - 1 orange)<br>(2 red - 1 orange) |
| • Pavilion instead of open building for after hours (TLT, changing room and toilets) (There are currently Port-o-John's)   |  |
| • Water recreation (water sports, beach)   | (3 orange)                               |
| • Pets: pets on campus; living, visiting   |  |
| • Amenities: not just Rec, but public art, music events, and entertainment <ul style="list-style-type: none"> <li>▪ Not necessarily art museum, but integrate art in other spaces.</li> <li>▪ At library and outdoor facilities</li> <li>▪ Logistics: transportation/ route defined</li> </ul>                         | (2 red - 3 orange)                       |
| • Grander/ Larger signs with driving distance  |  |
| • Integrate mixed use, not hardline between class lab and town center  | (1 red)                                  |
| • Support space needed for fac operations  | (1 red)                                  |
| • Parking deck with ground floor retail/office, etc.   |  |
| • List of shower facilities  |  |
| • Need multipurpose event venues that can be used for meetings and for food <ul style="list-style-type: none"> <li>▪ Gathering for 20-200 size</li> </ul>  | (1 red)                                  |

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## Station 3: Design Harmony, Human-Scaled Neighborhoods and Paths

### What is being done well?

- Greenways as connectors
- Lake- Lunchtime place to hangout
- Open Space/ entry spaces (indoor and outdoor connection between building lobbies and courtyards)
- Amount of natural preserved space (Golf course, lake Raleigh woods, disk golf, etc.)
- In general, sense of scale of window openings ( Large areas of glazing broken down with mullions)
- Bridge from College of Textiles to grad school
- COE EB, I & III- Activity (design of lobby space encourages interaction)
- Scale of oval – Space defined by buildings
- “Hunt Library Rocks!!”
- Master Plan
- EB II covered outdoor space (need more outdoor covered pedestrian space).

### What could be improved?

|  |  |
|--|--|
| • COE II Entry – Space is bisected   |  |
| • COE EB II –interior signage too complicated  |  |
| • More landscape/ site furnishings to give more human-scale to oval                        | (4 red )                               |
| • Place to sit along paths and interact  | (4 red - 1 orange )                    |
| • Pig Paths- in front of BTEC  |  |
| • Outdoor classroom on oval / Gathering Place  | (1 red – 1 orange)                     |
| • Shade for oval   | (5 orange)                             |
| • Destination place and Lake Raleigh<br>-(Hallowed places) (Such as a bar)                 | (4 red - 2 orange<br>2 red - 2 orange) |
| • Need more NC State branding (Red, Block S)   |  |
| • Exterior signage and way finding   |  |
| • Multiple prominent locations for art   | (1 red - 3 orange)                     |
| • Parking decks are sterile, prominent locations and large/better pedestrian access needed |  |
| • Access to open spaces  | (1 orange)                             |
| • Isolation of park alumni center  | (1 red)                                |

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## Station 4: Sustainability

### What is being done well?

- LEED requirements
- Greenways and trails
- Lake Raleigh preservation/ connection with WRC building
- Central utilities and plant
- Master site credits/ LEED
- EV station
- Geothermal at the Pointe
- Sustainability office
- ECMS – energy conservation measures
- Recycling
- Bicycle racks and showers
- Green roof at Hunt
- Reuse water for golf course and Hunt library
- Loonie Poole Course = Sustainable
- Heritage Tree Program
- CC Farmers market

### What could be improved?

|   |                    |
|---|--------------------|
| • Less site disturbance with construction   |                    |
| • Layout land/plans for passive solar in all buildings                              |                    |
| • Use central utilities plant more  | (1 red)            |
| • Master site/block credits/ LEED – individual bus stops                            | (1 orange)         |
| • More solar  | (2 orange)         |
| • Better use of time and space in building (now=9-5) – better space utilization     |                    |
| • Composting by building and in dining  |                    |
| • More recycling receptacles – outside?   | (2 red)            |
| • Connecting with NCSU giving/advancement campaign                                  |                    |
| • Connecting with CC entrepreneurial ventures                                       |                    |
| • Adopt architecture 2030   |                    |
| • Lights on at night (sensors?) and on during day                                   | (1 orange)         |
| • Living lab – showcase what’s in classroom   | (3 red – 1 orange) |
| • Solar bus stations and low emitting buses   |                    |
| • Covered bike parking  | (1 red)            |
| • More EV charging stations   |                    |
| • Fewer impervious surfaces – storm water BMPS & plan                               |                    |
| • Priority parking for low emitting vehicles  |                    |
| • Smart grid demonstration  | (2 red – 1 orange) |
| • Location of bike storage and showers – online?                                    | (2 orange)         |
| • Partner with other sustainability groups  |                    |
| • Extend campus sustainability culture to private companies                         | (1 orange)         |
| • Wetland and other sensitive area/ BMP map   | (1 red)            |
| • Public changing, water fountains, and restroom facilities (less port o potties)   | (2 orange)         |
| • LEED certified bar with local brews – after work meeting space                    | (1 red)            |
| • Renewable products (grow and harvest and use on campus)                           |                    |
| • Car repair and shuttle service – additional amenities, don’t have to leave campus |                    |
| • Better temperature control of buildings – comfort and energy                      | (4 red – 1 orange) |
| • Solar powered laptop/electronics charging areas                                   |                    |

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## Centennial Campus Precinct

### Station 5: Pedestrian-Oriented Campus Issues

#### What is being done well?

- Good width on paths
- Greenways
- Pedestrian paths' lighting
- Pedestrian foot trails by identifying paths
- On-street parking
- Connection positive inside Oval
- Landscaped environment along greenway

#### What could be improved?

|  |                    |
|--|--------------------|
| • Need more connectivity to other precincts                              |                    |
| • More bike routes   | (2 orange)         |
| • Raise money to solve issues/ fundraising                               |                    |
| • Need sidewalks on both sides of the street                             |                    |
| • Western Boulevard pedestrian crossing                                  | (9 red – 3 orange) |
| • Conflicts with construction issues                                     |                    |
| • Connect from Mission Valley to greenway                                | (1 orange)         |
| • Keep vehicles off pedestrian paths                                     | (1 orange)         |
| • Segway/bike stations   | (2 orange)         |
| • Protect pedestrian from elements near buildings landscaping /structure |                    |
| • Better study of pedestrian flows/cross walks                           |                    |
| • More bike lanes  | (2 red – 4 orange) |
| • Work with outside agencies (COB)                                       |                    |
| • More parking   | (1 orange)         |
| • Need better connection to outside neighborhoods                        |                    |
| • More greenway signage/kiosk  | (1 red)            |
| • Connection to main CC to Springhill campus                             | (1 red)            |
| • Connection to other businesses like Friday Center                      |                    |
| • Blue light emergency additions – with cameras                          | (1 red)            |
| • Add wi-fi to blue light locations                                      | (1 red)            |
| • Need an app for pedestrian – QR code as use of this tech               |                    |
| • Walking tours for CC campus  | (1 red – 1 orange) |
| • Consider bike/golf cart rentals  |                    |
| • Where are charging stations for cars? Map to locate                    |                    |

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## Centennial Campus Precinct

### **Station 6: Effective Vehicular Movement**

#### **What is being done well?**

- Frequency of Wolfline Service
- Information booth on Centennial
- Connections with CHT/ TTA
- Walking distances from Parking Decks
- Paths on oval can accommodate emergency vehicles
- Drop-off location at Oval
- Car friendly roundabouts
- Parking deck functioning well
- Four-way stops at intersections
- Bus stops at EB I Working well
- People mover in Master Plan

#### **What could be improved?**

|  |                    |
|--|--------------------|
| • Redesign of Textiles parking lots  |                    |
| • Greater bicycle usage on centennial                                      | (2 orange)         |
| • Service/ delivery of Textiles bus stop                                   | (2 red - 1 orange) |
| • Move College of Textile bus stop   | (1 red)            |
| • Avent Ferry / Varsity intersection                                       | (5 red - 2 orange) |
| • LEED Master- site credits (Parking for low emission vehicles/ car pools) |                    |
| • Improvements to real-time bus software (TransLOC)                        |                    |
| • Use smaller vehicles that run frequently (Wolfline)                      |                    |
| • More info on buses about Centennial (History, amenities, etc.)           |                    |
| • QR coding at bus stops   |                    |
| • Mapping of charging station locations                                    |                    |
| • Wi-Fi on Wolfline  | (2 orange)         |
| • Drop off at Route 3 on Main Campus                                       |                    |
| • Long travel time on Wolfline between Centennial and Main campus          | (4 red - 3 orange) |
| • Large crowds boarding at EB I  |                    |
| • Roundabouts on Centennial (want more)                                    |                    |
| • Walking distances from parking decks                                     |                    |
| • Parking decks are an eye sore  | (1 red)            |
| • Event visitor parking  | (1 orange)         |
| • Ground Floor/ Multi –use at Parking Decks                                |                    |
| • More Wolfline service to alumni/ golf course                             | (1 red)            |
| • More Wolfline time points  | (1 orange)         |
| • Full buses on Wolfline   | (1 orange)         |
| • Parking decks unsafe for pedestrians                                     |                    |
| • No parking on Centennial for ES Kings / Wolf Village residents           |                    |
| • Safe bike routes on/ into Centennial                                     | (1 red)            |

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## Station 7: Other Planning Issues

### What is being done well?

- Oval is usable
- Visibility to EB1, EB2 labs
- Preservation of views to downtown from key places (hunt, golf course, wolf ridge, spring hill)
- View shed of lake
- Pedestrian accessibility (meandering walks)
- Visibility into utility plant
- New entrances/gateways
- Wolfwalk (Library's app)

### What could be improved?

|   |                    |
|---|--------------------|
| • Control of light in 'visible' spaces to reduce distraction for occupants        |                    |
| • Entrances to oval needs improvement (wayfinding)                                |                    |
| • Need more study need to make exterior signs effective                           |                    |
| • Strengthen 'NC State' pride/ identity in interiors (not only red and black)     | (2 red)            |
| • Need effort with city, NCDOT to make Varsity and Avent Ferry safer for vehicles | (1 red – 3 orange) |
| • How is campus viewed from downtown  | (5 orange)         |
| • Improve HC access out of Partners Way Deck                                      |                    |
| • Better wayfinding signs inside parking decks                                    |                    |
| • Landmarks, campus edge delineation  | (3 red – 3 orange) |
| • Awareness of amenities (fields, greenways)                                      | (3 red – 1 orange) |
| • Trailhead parking at Greenways  | (2 orange)         |
| • Coordination with utility master plan   | (2 red – 1 orange) |
| • Need a good location for a service facility (Facilities Operations)             | (1 orange)         |
| • Electronic, interactive campus map  | (4 red – 1 orange) |
| • Make signage at entrances (expressive of campus pride, learning, activity)      | (2 red)            |