

**MASTER PLAN SESSION 11.13.12
WEST Campus Precinct**

Station 1: Coordination of Academic Programs and Physical Planning

What is being done well?

- Design of Arboretum meeting rooms; McSwain meeting room’s proximity to adjacent classroom; and the entire site is a working lab
- Groups in Brickhaven find the buildings to be a good location due to lots of public use, convenient parking
- Terry Center technology and Wi-Fi, etc. is up to student needs, with few dead spots
- Athletics academics presence -> Case is okay / Reynolds renovation will also be a positive improvement

What could be improved?

<ul style="list-style-type: none"> • Relocate greenhouses from Central to West research campus? <ul style="list-style-type: none"> - CALS is spread out over many locations 	
<ul style="list-style-type: none"> • Relocate greenhouses to current University Club (Hillsborough St. @ 440) <ul style="list-style-type: none"> - Relocate University Club to campus-> to be more of a faculty club 	(1 orange)
<ul style="list-style-type: none"> • Hillsb. St./440 intersection, ramp to Hillsb. St. -> opportunity to announce NCSU; looks unkempt today 	
<ul style="list-style-type: none"> • CBC- Main Vet Building <ul style="list-style-type: none"> - current labs, etc. not adaptable - large lecture halls are inflexible - Need more “flexible” use and collaboration spaces, - 30 year old spaces – outdated teaching style 	
<ul style="list-style-type: none"> • Residential spaces needed on or near CBC 	(4 orange)
<ul style="list-style-type: none"> • Create opportunity for “after 5PM” usage of space <ul style="list-style-type: none"> - Build up like Centennial campus Town Center - Create a point of interest, stadium, trails 	(2 orange)
<ul style="list-style-type: none"> • Horticulture-move from Kilgore/Gardner closer to arboretum/Method Rd. greenhouses <ul style="list-style-type: none"> - Brickhaven Bldgs are disconnected location from rest of CALS 	(1 red)
<ul style="list-style-type: none"> • More pasture space – Keep losing green space to buildings 	(4 red – 2 orange)
<ul style="list-style-type: none"> • “Unused space”- walking paths, etc. to connect within precinct 	
<ul style="list-style-type: none"> • Brickhaven- needs more meeting space <ul style="list-style-type: none"> - Maybe advancement close to E.O. 	
<ul style="list-style-type: none"> • Student interaction challenging <ul style="list-style-type: none"> - Student life needs better definition 	(2 red – 3 orange)
<ul style="list-style-type: none"> • Unclear connections between disciplines, precincts <ul style="list-style-type: none"> - PreVet, Life Sci, Undergrad visitors to CVM, CALS research, etc - Not integrated programs/ shared use, “single purpose” sections 	(14 red – 1 orange)
<ul style="list-style-type: none"> • Football/ Athletics – feels as though it’s “Not on campus” <ul style="list-style-type: none"> - Siting of a new indoor facility could improve/ strengthen connection 	(2 red – 9 orange)
<ul style="list-style-type: none"> • COD daylight research- far from COD, move closer? <ul style="list-style-type: none"> - Maybe new COD building on North Campus? 	(1 red – 1 orange)

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Station 2: Mixed-Use Activities Issues

What is being done well?

- Expansion food service to include Port City Java, Vet School Mixed use definition
- Very diverse
- Food available at short drive
- Can use fairground for additional parking
- No noise concerns

What could be improved?

• Better access to University Club	
• No housing now	(2 orange)
• Area feels lacking in identity	
• No big gathering space for Vet School	
• Not known food service	(1 orange)
• Need more seating gathering spaces outside with shading	
• No services exist at West Annex	
• Teaching spaces need to be expanded - CVM- new building updates need to be more flexible, - More teaching spaces at Arboretum and Athletics. - Research annex needed	(1 orange)
• Better job marketing arboretum needed	(4 orange)
• No pedestrian path to along Hillsborough St. to cross 440	
• Widen tunnel at Ligon St.	(1 red)
• Need exercise facilities	(1 red)
• Housing- study for solution.	
• Brickhaven isolated- safety a concern - More lighting	(1 orange)
• Secure power system (Beryl Rd.) - Power pole transformer goes out	
• Light Rail Station catalyst to add services/ food/housing connectors to all these parts of the precinct	(6 red - 4 orange)
• Connections needed to adjacent communities	
• Include Wolfpack Club property on Trinity in our planning	(1 red - 1 orange)
• Seek funding from alternative sources	
• Pedestrian movement	(6 red - 2 orange)
• West Research Annex feels not connected	
• Buildings in research annex are in poor condition	
• Each area feels isolated (Sports, CVM, research annex, arboretum)	(3 red - 1 orange)
• Running path or greenway connectors needed to cross Blue Ridge safely	(4 red - 3 orange)
• Recreation needed	(1 orange)
• Food service- additional needed	(1 red - 2 orange)
• Arboretum feels not connected to campus	(1 orange)

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

What is being done well?

- Terry Center and Hearth as outdoor gathering spot
- CVM Research building sets stage future buildings/ developments
- Finger Barns Architecture
- Teaching Animal Unit (TAU)- Blends urban and pastoral
- Raulson Arboretum blends teaching opportunity with plants display- It's a Hidden jewel
- Murphy Center Architecture blending
- Iconic pasture and dairy barns at CBC
- Can drive to west campus

What could be improved?

• Access to Raulston Arboretum – No pedestrian paths	(4 orange)
• Parking on site (street parking OK)	
• Pedestrian connections to N Campus from CBC, Sports, Arboretum are needed	(10 red – 2 orange)
• Cohesive / Unity to N Campus components is non-existent	(1 orange)
• Connection from PNC to football needs strengthening	(1 orange)
• Need to Showcase/ promote arboretum	(4 red – 5 orange)
• Ceremonial entry from Beryl Rd. to Arboretum is needed	(1 orange)
• Incorporate periphery of CBC/ pastures for pedestrian use	(1 red – 2 orange)
• Fair parking and impact of fair: safety concerns	
• Purchase Pylon Property to strengthen connection to disparate parts of precinct as a campus road - Timing is good for making purchases now	(6 red – 4 orange)
• Tunnel under 440 and Ligon St. and back road to central warehouse need improvement	(1 red – 1 orange)
• In development of Blue Ridge Rd. corridor, consideration should be given to the scale of the buildings along the road (larger scale is often more appropriate along roads with higher speeds.)	
• How do you know you're on campus?	(1 red)
• Better way finding	
• Need for pedestrian scaled lighting	
• Aesthetics of fence around arboretum need improvement - Is Security of plants an issue?	
• Collaboration with community to develop & improve adjacent properties	(4 orange)
• W. Annex too isolated within and without	(1 red)

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Station 4: Sustainability

What is being done well?

- WE RECYCLE is going well
- Terry Hospital landscaping
- Arboretum: sustainable landscaping and experimenting
- Interest in EV charging
- Light rail is expected to increase visitors at Arboretum
- Arboretum works with grounds management
Get compost, give/sell plants

What could be improved?

• Bicycle paths could be more defined/ safer - Use greenway system!!	(4 red - 2 orange)
• Need more connectivity between campuses (other than vehicular transport)	(5 orange)
• More/wider pedestrian tunnels	
• 24/7 Pedestrian and bicycle traffic through arboretum	(1 orange)
• Use manure as feedstock for landscape composting on campus	(2 orange)
• Efficiency in every design and retrofits	(1 red)
• Communicate seed saving better (index seminium)	
• Better care of PNC parking lots (efficient design, better storm water)	(2 red)
• Complete a storm water study of PNC parking lot	(2 orange)
• PNC Arena should get power from CBC substation - Demand management opportunities	(2 red - 1 orange)
• Change face of arboretum towards light rail station = Light Rail Station will become a New Campus Entrance	(4 red - 3 orange)
• Funding for storm water local best management practices (BMP's)	(1 orange)
• Make light rail station a Park and ride - Use a parking deck or permeable parking	(3 orange)
• LEED certification for any future athletics facilities	
• Educational composting systems with community participation - Extension	(3 red)
• More community workshops and adult education (i.e.: rainwater barrel how-to)	(1 red)
• Green houses at pastures	(1 orange)
• Food composting for CBC	
• More deliberate forest protection and planning	(2 orange)
• Wind energy in pastures - Prairie Ridge example	(4 red - 2 orange)
• SW Annex needs better vehicle circulation/ planning	(1 orange)
• Better landscaping in SW Annex	
• New efficient co-generation facility at CBC (CHP- steam and electric)	(1 red - 1 orange)
• Need more education and more collection points for recycling at CBC campus	(2 red)
• Arboretum should be marketed as a destination for public and campus	

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Station 5: Pedestrian-Oriented Campus Issues

What is being done well?

- Great destinations (Arboretum, Stadium)
- Adequate parking (except at Arboretum)
- Destinations are comfortable, safe, discernible
- Terry Center and College Hearth
- Path from Parking Deck to Hearth at CVM

What could be improved?

• Pedestrian safety along Blue Ridge, Hillsborough	(2 red- 5 orange)
• Connections to NC Art Museum	
• Connect Arboretum to North and Central Campus	(2 red - 5 orange)
• Connect CBC to Ready Creek Trail (across Wade Ave.)	
• Stronger connection between CBC and Stadium Complex	(1 red - 1 orange)
• Improve Ligon St. Tunnel <ul style="list-style-type: none"> - Lighting (signal) - Traffic control for one lane (temporarily until tunnel is widened) 	(2 orange)
• Path system and connections are underdeveloped or undeveloped Unrecognizable/ lacking identity <ul style="list-style-type: none"> - West Annex has particular need for improvement - Athletic complex, too 	(7 red - 3 orange)
• Barriers to connections <ul style="list-style-type: none"> - Blue Ridge/ Hillsborough St. - NC RailRoad 	
• Light is inadequate <ul style="list-style-type: none"> - Hillsborough St. - Beryl Rd. - West Research Annex 	(2 orange)
• Hierarchy of paths is needed	
• Universal accessibility is not addressed in connections between destinations	
• Pedestrian support system lacking <ul style="list-style-type: none"> - Transit: Shelters, pull-offs for buses - Bike paths 	(2 orange)
• Need to take advantage of undeveloped spaces to implement bike paths- create SAFE way to move/ commute <ul style="list-style-type: none"> - CBC to North Campus 	(1 red - 1 orange)
• New buildings need good pedestrian approach from all sides <ul style="list-style-type: none"> - Future Flex Building 	
• Build more bike paths/ greenways <ul style="list-style-type: none"> - Human-scaled stops along the paths - From Centennial Biomedical Campus to Arboretum 	(13 red - 5 orange)
• Add interest/ education to paths <ul style="list-style-type: none"> - Make it an event - Exercise stations - NCSU achievements, accomplishments (patents, etc.) 	(1 orange)

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Station 6: Effective Vehicular Movement

What is being done well?

- Bus (Wolfline) at DH Hill to West Campus works well
- Beryl Rd width promotes good parking
- Parking deck at CBC
- Option to use Trinity Rd. connection

What could be improved?

• Need to insure clean access to Vet School during road construction	
• Not enough emphasis on bus traffic/ options from West Campus to Centennial Campus	(1 red)
• Way finding around CVM needs improvement	(1 orange)
• Need more parking region flexibility	
• Gravel road with CBC needs improvements - Need to determine funding for improvements and at West Annex - Student parking outside of gate of Hart Field Lab.	
• Confusion between visitor and staff parking at CBC	
• Brickhaven- dead end, rather extend road access through to Ligon & Pylon.	
• High volume roads around campus - improve flow during events	
• No logical circulation path for West Annex- south of JC Raulston Arboretum (JCRA)	(1 red)
• West Annex - Parking shortage and in need of paving	(1 red- 1 orange)
• Only option to safely arrive to West Campus is by car	
• Need a better solution when STATE FAIR is going on for access and parking	(5 orange)
• Hillsborough Rd curb and gutter – pavement in poor condition	
• Allow for pedestrian movement thru proposed Ligon tunnel- protect people from construction	
• Movement of service traffic from William Moore to Lg. Animal Hospital needs more study	(1 red - 1 orange)
• Beryl Rd. closing with road improvements need to provide access both to vehicles and pedestrians for JCRA.	
• Need red light/green light at Ligon tunnel	(1 red)
• Consider adding 60 degree parking along Beryl Rd.	(1 orange)
• Need safe pedestrian access from light rail station to JCRA- lighted	(1 red - 1 orange)
• Pedestrian/ Vehicular conflicts	(12 red - 3 orange)
• Hard to turn left from William Moore Dr. on to Hillsborough St. No crosswalks or signal. All in/out access on Blue Ridge Rd.	(3 red - 1 orange)
• Bus route to West Campus (CBC) takes too long	
• JCRA hard to find	(1 red - 2 orange)
• Ensure that there is a system that promotes vehicular traffic	
• Most traffic encountered is not associated with West Campus	
• No NCSU branding along edges of campus	(4 red - 9 orange)

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Station 7: Other Planning Issues

What is being done well?

- Visibility of activities: The pastures are great for featuring/explaining what NCSU Vet School does. View from Wade Ave- horse pasture
- Worked well with COR on rezoning

What could be improved?

<ul style="list-style-type: none"> • Vet school campus edge not identifiable Arboretum not recognizable from north (Beryl Rd) West Research Annex (WRA), how do you know it's NCSU View from 440 to Brickhaven Dr., exit from 440 to Hillsborough St. needs to feel like NCSU East edge of CBC at 440 needs attention. 	(1 orange)
<ul style="list-style-type: none"> • Wayfinding /Paths back to N. Campus needed. • There's no pedestrian connectivity to other parts of precinct or back to other precincts. 	
<ul style="list-style-type: none"> • Campus should connect to City, Fairgrounds, Meredith. Relationship with Fairgrounds needs improving/ partnership inputs with neighbors. Lighting is needed throughout. 	(1 red- 3 orange)
<ul style="list-style-type: none"> • Proposed underpass (Blue Ridge) at Hillsboro St. creates another barrier. Need to layer back the grade to improve experience and view. Include art to enhance experience. 	
<ul style="list-style-type: none"> • WRA- no organization to the existing vehicular, bike or pedestrian circulation. No wayfinding elements to assist. No nice entryway to WRA- need addresses on buildings, need building signage 	
<ul style="list-style-type: none"> • No "arrival" experience for West Campus Wayfinding/ Arrival experience is an issue throughout all precincts Need entry portals, use vegetation in precincts as cues to differentiate them 	(4 red -7 orange)
<ul style="list-style-type: none"> • University Club- patrons experience odor and flies from pasture at times 	(1 red)
<ul style="list-style-type: none"> • Precinct is not very Universally accessible 	(2 red - 1 orange)
<ul style="list-style-type: none"> • Highway Patrol property really breaks up Blue Ridge Rd. edge; need schedule for relocation of their facility 	(1 red - 3 orange)
<ul style="list-style-type: none"> • Opportunity at SE Corner of CBC to be visible research. 	(1 red)
<ul style="list-style-type: none"> • CALS' WRA buildings are extremely poor condition; need resources for buildings shown on master plan at Southernmost edge. 	
<ul style="list-style-type: none"> • Other state functions/agencies (west side of Blue Ridge) create barrier between CBC and Carter Finley area. 	(1 red)
<ul style="list-style-type: none"> • No residential life presence to activate precinct; would be nice to be able to walk to sports events 	
<ul style="list-style-type: none"> • No sidewalks along Trinity Rd./ Blue Ridge Rd. 	(3 red - 3 orange)
<ul style="list-style-type: none"> • Arboretum greenhouses addresses indicate Beryl Rd. (which are not accessible by vehicle from Beryl) They are actually closer to Ligon St. 	
<ul style="list-style-type: none"> • No way finding signage on streets to indicate how to get to North campus or vice versa 	(2 red - 1 orange)
<ul style="list-style-type: none"> • Highway locator signage does not indicate NCSU (from 440 and other locations) 	(6 red - 1 orange)