Constructing resilient systems in the conservative south

Presented by: Kindall Brantley and Makenna Coon
Restorative Agriculture Program, Grounds Department, The College of Charleston, Charleston, SC. USA
Conservatism

An attitude that is resistant to change and desires to maintain tradition.
The City of Charleston
Historic Charleston District

Old and Historic District
Old City District
Old City Line
The College of Charleston
C of C’s National Historic Landmarks
Restorative Agriculture Program Beginnings
Political Science Department Courtyard
7 College Way
McAlister Residence Hall Courtyard
Warren Place
Limitations
Development in Charleston

“... preserve and protect historical, architectural, and material culture of Charleston’s rich and irreplaceable heritage”
Restrictive Development

The physical place that is historic Charleston is both uniquely inspiring and constraining for an evolving institution like the College.
Restrictive Development

City of Charleston Zoning Map

ZONES
GB  General Business
LB  Limited Business
DR-1F  Diverse Residential (19.4 units/acre)
DR-2  Diverse Residential (26.4 units/acre)
Height Districts
## Land Acquisition

### Phase One
- Existing Science & Math Bldg - Build-out
- Rita Hollings Science Center Renovation
- Simons Center for the Arts Renovation
- Yaschik Arnold Jewish Studies Expansion
- 350-bed Residence Hall (location TBD)
- Learning Technology Center
- Fitness Center / Mixed Use
- Alumni Center / Meeting Space

**Total Gross Square Footage**: 120,000

### Phase Two
- Honors College (Admissions ground level)
- School of Ed. Health & Human Performance Renovation
- Athletics - ground floor
- Business School Expansion
- Student Health Services
- Academic Building - General Classroom
- Academic Building - Classroom Upgrade & Recovery
- 125-bed Residence Hall (Craig Hall Replacement)
- Stern Student Center Renovation / Expansion

**Total Gross Square Footage**: 358,000

### Phase Three
- Academic Building - Language, Culture, & World Affairs
- New Sciences & Mathematics Building
- Expansion of St. Philip Street Garage / Chiller Plant

**Total Gross Square Footage**: 179,000

### Phase Four
- Academic Building - Theodorus Street Education Ctr.
- New Parking Deck
- Residence Hall Replacement (College Lodge), parking below
- Graduate Center
- Future Academic or Administration Space

**Total Gross Square Footage**: 206,000

**All Phases Total**: 863,000

---

**Open Space Projects**
- Calhoun Street Enhancements - paving, lighting, signage/banners, landscape, crosswalks
- St. Philip Street Enhancements - wider sidewalk where possible, paving, lighting, landscape
- George Street Enhancements (St. Philip St. to Meeting St.) - paving, landscape, signage/banners
- New Green Space at existing Multicultural Center / campus gateway
- George and Blebe Street Enhancements (Coming St. to St. Philip St.) - paving, amenities
- Stern Student Center green space - activate space through programming & design
- New Courtyard at Athletics / Education, Health, & Human Performance
- New Sciences and Mathematics Building green space
- New Courtyard at JC Long / Business School expansion
- Coming Street Enhancements
- Other Street Enhancements - Pitt St., Wentworth St., Liberty St., Vanderhorst St., Warren St.
Land Acquisition

**SPACE NEEDS - SUMMARY FINDINGS**

Existing Deficit 280,234 ASF in 2010

Overall Need for Additional **640,304 ASF by 2020**
- Need for **266,026 ASF** Academic Space
- Need for **127,219 ASF** Academic Support Space
- Need for **247,059 ASF** Auxiliary Space

**896,426 Gross Square Feet* by 2020**

Must overlay Qualitative & Aspirational Needs:
- Number of Students Housed on Campus
- Student Life Amenities
- Alumni Center

* GSF is calculated by multiplying the ASF by 1.4 to account for non-program building elements such as stairs, elevators, mechanical space, etc.

COLLEGE OF CHARLESTON • 2012 CAMPUS MASTER PLAN
Land Acquisition

The Campus Master Plan will help promote an intellectual community thoroughly “of the time,” engaging and innovative, while inextricably tied to the history and traditions of Charleston and the Lowcountry.

Space is considered as much a College resource as human capital and revenue dollars.

C of C Guiding Principles
Land Tenure Practices

Land Tenure Definition by FAO:

“rules invented by societies to regulate... how property rights to land are to be allocated between societies”

' Tradition, Iconicism, Aestheticism, Capital Gain

' High Maintenance, Short Term, Expensive
Recent Inn Purchase
Pollinator Gardens
Resiliency through Positive Place Making

Campus Book Share

Collaborative Mural Painting

Campus Farmers Market

Academic Advising Garden Bed
Resource Weaving
Restorative Land Tenure

- Long Term, Regenerative
- Sheet Mulching, Crop Rotation, Perennials, Forest Farming, Vertical
Filling Gaps in Higher Ed
Abundance and Diversity
Future Plans
What we envision:

Interdisciplinary Research and development

Co-teaching rest. ag. and urban ag. track

Full scale farm as classroom

High production

Student run CSA
Acknowledgements and Literature Cited

ACKNOWLEDGEMENTS

The authors would like to thank the following for their revisions, support, and contributions: The College of Charleston, Peggy Cieslikowski, Paty Cowden, Colin Crane, Beverly Kalinowski, Mark Kalinowski and Carl Maass.

Literature Cited


Questions?
Facebook: College of Charleston Grounds Department

Instagram: @cofcgrounds

Website: www.grounds.cofc.edu

Email: kindallbrantley@gmail.com
coonmj@g.cofc.edu