LANDSCAPE + PLANNING
ENTRY CORRIDORS STUDY

CONCEPTUAL LANDSCAPE SCENARIOS:
MPC COMMITTEE MEETING 10.1.2014
# Schedule

**University / Emmet / Ivy District**

**Planning Schedule: February - November 2014**

<table>
<thead>
<tr>
<th>Capacity/Suitability Analysis</th>
<th>FEB</th>
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<tr>
<td>1 GIS analysis of scope area: opportunities/constraints</td>
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<td>2 Overlay previous studies within study area</td>
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<td>3 Develop suitability direction</td>
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<td>4 Develop district suitability model</td>
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<td>5 Develop district suitability map (Complete)</td>
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<td>6 Overlay 2008 Grounds Plan redevelopment zones</td>
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<td>7 Assess existing and potential district land use</td>
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<td>8 Develop conceptual land use scenarios</td>
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<td>9 Select preferred scenario of redevelopment zones</td>
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<td>10 Approve revised redevelopment zones</td>
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<th>Circulation Analysis</th>
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<td>11 Review existing/completed area analyses</td>
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<td>12 Develop circulation issues overlay</td>
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<td>13 Develop circulation matrix of modes</td>
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<td>14 Circulation workshop with working group</td>
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<td>15 Define circulation opportunities/issues (Complete)</td>
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<th>Landscape Planning</th>
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<tr>
<td>16 Review previous landscape planning</td>
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<td>17 Develop entrance corridor precedent typologies</td>
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<td>18 Integrate/expand landscape analysis to entire district</td>
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<td>19 Develop conceptual landscape scenarios</td>
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<td>20 Select/refine proposed landscape scheme</td>
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<td>21 Approve landscape guidelines</td>
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</table>
Zone 1: Emmet North
Zone 2: Emmet/Ivy Intersection
Zone 3: Emmet South
Zone 4: Ivy Road
Zone 5: University Avenue
SUMMARY OF FINDINGS

University Precedent Studies
Historical Overview
Existing Entry Experience
Strengths + Opportunities

LANDSCAPE RECOMMENDATIONS

Guidelines + Principles
Threshold Studies

FEEDBACK + DISCUSSION
SUMMARY OF FINDINGS

University Precedent Studies
  Historical Overview
  Existing Entry Experience
  Strengths + Opportunities

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FEEDBACK + DISCUSSION
Introduction: Project Understanding

- What are the campus approach, arrival, entry typologies?

- What are the specific defining characteristics of the UVa Entry Experience?

- How can we improve the quality and legibility of that experience?
Previous Studies: Takeaways

1994 Ivy Road Study
1996 UVA Master Plan
2007 Conceptual Design Phase

Recurring Recommendations
- Improve walking & biking experience: paths
- Reduce traffic congestion & enhance multimodal use
- Create a sense of continuity with site elements: plants, lights, signage
- Connect & expose natural systems: water & woodland
- Address drainage issues
1. METHOD OF....GROWTH.......PLANNED OR ORGANIC
Clear or Fuzzy Boundaries

2. NATURE OF.....SETTING.......CITY OR COUNTRY
Pedestrian or Vehicular

3. TYPE OF........VISITOR.......FIRST, RETURNING OR DAILY
Prospective, Alumni or Student/Staff
Precedent Studies: Typologies

CITY
- Planned
  - Columbia University
  - Yale University
- Organic
  - Harvard University
  - U Penn

COUNTRY
- Planned
  - Rice University
  - UC, Berkeley
- Organic
  - Princeton University
  - University of North Carolina
Precedent Studies: Princeton University
Precedent Studies: University of North Carolina
SUMMARY OF FINDINGS

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FEEDBACK + DISCUSSION
Historical Overview: 1826 CLS Plan

ARRIVAL FROM SOUTH
Historical Overview: 1913 Warren Manning Plan

ARRIVAL FROM EAST

Holsinger circa 1913, UVA Special Collections
ARRIVAL FROM NORTH/WEST

Historical Overview: 1914 - 1931

Memorial Gym
1924

Emmet Street Extended
(Rte 29)
1931
SUMMARY OF FINDINGS

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FEEDBACK + DISCUSSION
**APPROACH**
> First indications of approaching grounds.

**ARRIVAL**
> Defined by passing through a series of thresholds which signal the grounds.

**ENTRY**
> Clear sense that you have entered the grounds by reaching the signature University landmark (the Rotunda).
Approach: Overall

A. Ivy Road
B. Emmet Street
C. West Main Street
D. Jefferson Park Avenue
UVA: Clark Park
Arrival: Defining Characteristics

WATER

BRIDGES

PATHS

WALLS

PLANTING
Defining Characteristics: Water: Reemergence

MEADOWCREEK ALONG EMMET

THE DELL
Defining Characteristics: Bridges
Defining Characteristics: Paths

- Poor
- Medium
- Good
Defining Characteristics: Walls
Defining Characteristics: Planting

- Woodland
- Evergreen
- Turf and Trees
Defining Characteristics: Evergreen Planting
### Defining Characteristics: Matrix

<table>
<thead>
<tr>
<th>Water</th>
<th>Strengths:</th>
<th>Opportunities:</th>
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<tbody>
<tr>
<td></td>
<td>&gt; The Dell at Visitor Parking</td>
<td>&gt; Enrich pedestrian experience</td>
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<td></td>
<td>&gt; Visible at moments along paths</td>
<td>&gt; Expand daylighting opportunities</td>
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<td>(Emmet)</td>
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<tr>
<td>Bridges</td>
<td>&gt; Act as natural thresholds</td>
<td>&gt; Amplify as threshold</td>
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<td></td>
<td>&gt; Indicate topographic condition</td>
<td>&gt; Reinforce identity on University owned bridges</td>
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<tr>
<td>Paths</td>
<td>&gt; Brick in historic core</td>
<td>&gt; Improve pedestrian comfort</td>
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<tr>
<td></td>
<td>&gt; Meandering moments</td>
<td>&gt; University/Emmet/Ivy Intersection</td>
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<tr>
<td>Walls</td>
<td>&gt; Stone walls tie to context</td>
<td>&gt; Enhance continuity and extension of walls</td>
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<td></td>
<td>&gt; Materiality and scale</td>
<td>&gt; Replace concrete walls with stone</td>
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<tr>
<td>Planting</td>
<td>&gt; Strongly established typologies</td>
<td>&gt; Strengthen thresholds</td>
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<tr>
<td></td>
<td>&gt; Reinforces series of thresholds</td>
<td>&gt; Improve scale and comfort</td>
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<tr>
<td></td>
<td>&gt; Evergreens at edges</td>
<td>&gt; Reinforce evergreens as boundary</td>
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</tbody>
</table>
Agenda

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FEEDBACK + DISCUSSION
Next Steps: Guidelines + Principles

**PRINCIPLES:**

> Extend landscape character of the historic Grounds to the Entry Corridors

> Enhance Entry Corridors as a sequence of landscape thresholds that improve intuitive wayfinding

> Use open space, views, low stone walls, plantings, water & bridges to enrich entry experience

> Preserve and enhance existing residual woodlands

> Create a sense of place that encourages people to linger
Zone 1: Emmet North
Zone 2: Emmet/Ivy Intersection
Zone 3: Emmet South
Zone 4: Ivy Road
Zone 5: University Avenue
Guidelines: Landscape Recommendations

1. Protect woodland threshold
   Explore median trees/Expand slope plantings
   Improve sidewalks
   Extend stone walls
   Bridge as identity

2. Preserve filtered views to Carr’s Hill Field
   Frame view/open access to the IRC
   Improve SW corner walk/wall

3. Preserve views to tennis courts
   Improve Memorial Gym ramp
   Improve intersection and identity of visitor parking

4. Provide generous setback on Ivy
   Organize buildings to preserve interior woodland
   Develop soft transitional streetscape

5. Preserve woodland
   Maintain filtered views to Nameless Field
   Consider widening traffic island on McCormick
Zone 1: Landscape Recommendations

1. Protect woodland threshold
2. Explore median trees/Expand slope plantings
3. Improve sidewalks
4. Extend stone walls
5. Bridge as identity
Zone 1: Landscape Recommendations

- Extend stone walls
- Widen tree verge and sidewalk
- Protect woodland
- Propose median trees
Zone 1: Landscape Recommendations

- Extend stone walls
- Widen tree verge and sidewalk
- Protect woodland
- Propose median trees
Zone 1: Landscape Recommendations

- Housing on east side*
- Open views at base of Massie
- Screen parking

*Proposed buildings in grey
Zone 1: Landscape Recommendations

- Add shade trees and shrubs
- Boston Ivy on wall
- Widen tree verge and sidewalk
- Path meander at Meadow Creek
Zone 1: Landscape Recommendations

- Boston Ivy on wall
- Widen tree verge and sidewalk
- Add shade trees and shrubs
- Path meander at Meadow Creek
Zone 2: Landscape Recommendations

1. Protect woodland threshold
   - Explore median trees/Expand slope plantings
   - Improve sidewalks
   - Extend stone walls
   - Bridge as identity

2. Preserve filtered views to Carr’s Hill Field
   - Frame view/open access to the IRC
   - Improve SW corner walk/wall
Zone 2: Landscape Recommendations

- Establish 40’ setback
  - Widen sidewalk and tree verge
  - Low fieldstone seat wall
  - Table service and open seating
  - Views to Carr’s Hill Fields

- Relaxed watching
  - Fieldstone seat walls
  - Riparian plantings

- Fieldstone retaining walls
  - Widen sidewalks
  - Steps providing access to Munford

- Narrow turn lane
  - Preserve Oak Tree
  - Fieldstone Wall
  - Improved sidewalk
  - Relocate traffic control box
  - New plantings

- Preserve + enhance evergreen edge
  - Remove 3 tennis courts
  - Create passive flexible recreation area
  - Transparent wind screen
Zone 2: Landscape Recommendations

Emmet Street

50'

40' Setback

8' 8' 24'

Seating Area

Carr’s Hill Field

Play Fields

The Corner

Michael Vergason Landscape Architects, Ltd.
Zone 2: Landscape Recommendations

- Establish 40’ setback
- Widen sidewalk and tree verge
- Low fieldstone seat wall
- Table service and open seating
- Views to Carr’s Hill Fields

- Relaxed watching
- Fieldstone seat walls
- Riparian plantings

- Fieldstone retaining walls
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- Steps providing access to Munford

- Narrow turn lane
- Preserve Oak Tree
- Fieldstone Wall
- Improved sidewalk
- Relocate traffic control box
- New plantings

- Preserve + enhance evergreen edge
- Remove 3 tennis courts
- Create passive flexible recreation area
- Transparent wind screen
Zone 2: Landscape Recommendations

- Hold back slope with stone retaining wall
- Increase visibility of bike lane with paint
- Augment existing trees with evergreens
- Hide traffic box
- Plant taller shrubs to hide utilities
- Increase width of sidewalk if possible
- Convert to Zebra Crosswalk
Zone 2: Landscape Recommendations

- Hold back slope with stone retaining wall
- Increase visibility of bike lane with paint
- Augment existing trees with evergreens
- Hide traffic box
- Stone wall to hold back grade
- Increase width of sidewalk if possible
- Convert to Zebra Crosswalk
Zone 2: Landscape Recommendations

- Hold back slope with stone retaining wall
- Increase visibility of bike lane with paint
- Underground utilities
- Pave with brick
- Increase width of sidewalk if possible
- Convert to Zebra Crosswalk
Zone 2: Landscape Recommendations

- Hold back slope with stone retaining wall
- Increase width of sidewalk if possible
- Improve bike lane with paint
- Convert to Zebra Crosswalk
- Stairs to IRC
Zone 2: Landscape Recommendations

- Hold back slope with stone retaining wall
- Stairs to IRC
- Increase width of sidewalk if possible
- Improve bike lane with paint
- Convert to Zebra Crosswalk
Zone 3: Landscape Recommendations

1. Protect woodland threshold
   - Explore median trees/Expand slope plantings
   - Improve sidewalks
   - Extend stone walls
   - Bridge as identity

2. Preserve filtered views to Carr’s Hill Field
   - Frame view/open access to the IRC
   - Improve SW corner walk/wall

3. Preserve views to tennis courts
   - Improve Memorial Gym ramp
   - Improve intersection and identity of visitor parking
Zone 3: Landscape Recommendations

- Extend tabled sidewalk across driveway apron
- Fieldstone Wall Extension
- Signage?
- Add Zebra Crosswalk and LED lights
- Painted bike lanes
Zone 3: Landscape Recommendations

- Extend tabled sidewalk across driveway apron
- Fieldstone Wall Extension
- Signage?
- Add Zebra Crosswalk and LED lights
- Painted bike lanes
Zone 4: Landscape Recommendations

1. Protect woodland threshold
   Explore median trees/Expand slope plantings
   Improve sidewalks
   Extend stone walls
   Bridge as identity

2. Preserve filtered views to Carr’s Hill Field
   Frame view/open access to the IRC
   Improve SW corner walk/wall

3. Preserve views to tennis courts
   Improve Memorial Gym ramp
   Improve intersection and identity of visitor parking

4. Provide generous setback on Ivy
   Organize buildings to preserve interior woodland
   Develop soft transitional streetscape
Zone 4: Landscape Recommendations

Section through Ivy Road Looking East
Zone 4: Landscape Recommendations
Zone 5: Landscape Recommendations

1. Protect woodland threshold
   - Explore median trees/Expand slope plantings
   - Improve sidewalks
   - Extend stone walls
   - Bridge as identity

2. Preserve filtered views to Carr’s Hill Field
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3. Preserve views to tennis courts
   - Improve Memorial Gym ramp
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4. Provide generous setback on Ivy
   - Organize buildings to preserve interior woodland
   - Develop soft transitional streetscape

5. Preserve woodland
   - Maintain filtered views to Nameless Field
   - Consider widening traffic island on McCormick
Zone 5: Landscape Recommendations

- Preserve Woodland
- Maintain veil of trees leading up to the Rotunda
- Explore options to widen traffic island and Shorten crosswalk
- Painted bike lanes
Zone 5: Landscape Recommendations

- Preserve Woodland
- Maintain veil of trees leading up to the Rotunda
- Explore options to widen traffic island and shorten crosswalk
- Painted bike lanes
Zone 5: Landscape Recommendations
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Guidelines + Principles
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FEEDBACK + DISCUSSION
Grounds Improvement Fund
Office of the Architect

Report to Master Planning Council
October 1, 2014
Grounds Improvement Fund (GIF)
Facts at a Glance

• 1.5% Assessment to capital projects in the Academic Division, Medical Center and College at Wise

• Maximum contribution per project is $500,000, collected at the time of contract award

• Up to $1,000,000 per year is available in an expendable account for the support of projects proposed by academic or auxiliary programs on the main University grounds or research stations

• Project proposals typically due March 1

• Types of projects considered for funding include improvements to pedestrian and bicycle facilities, outdoor areas, lighting, site furnishing, plantings and public art

• Annual project list is recommended to the Vice President for Management and Budget for approval
Grounds Improvement Fund (GIF)  
Selection Criteria

• Eliminates/prevents an existing health, environmental or safety hazard

• Supports University planning and/or sustainability objectives

• Improves the efficiency, accessibility and/or connectivity of transit, pedestrian and bicycle infrastructure (ie, bike racks, sidewalks, ramps, steps, lighting, etc.)

• Has a positive impact on the University’s operating budget expenses (ie, reduces maintenance costs, reduces energy use, etc.)

• Satisfies a particular academic or auxiliary program need

• Improves the overall landscape and/or aesthetic quality of the University Grounds
Locations of Grounds Improvement Fund Projects, 2008-2014
Emmet Street & University Avenue Improvements, 2011-2012 project

before

after
Lambeth Stream Restoration, 2011-2012 project

before

after
Dell Area Interpretive Signage, 2011-2012 project
Stadium Road Pedestrian Safety Improvements, 2013-2014 project
Jefferson Park Avenue Steps To Central Grounds, Engineering Feasibility Study, 2013-2014 project
Ruffner Hall Raingarden, 2013-2014 project
Clark Park Improvements- 2014 project
McCormick Road West Study, 2014-2015 project
Open Grounds Streetscape Study- 2014/2015 project
Master Planning Council
October 1, 2014
Ubike: UVa Bikeshare System
Julia Monteith, Senior Land Use Planner
Office of the Architect
P&T/OAU Joint Planning:
VDOT Transportation
Enhancement Grant (TEP)
2010 – Planning Grant
2012 – Implementation Grant
Coordination and Support from
the City + MPO
Operated by P&T with UVa +
Community Use
Capital Bikeshare Bixi: 1,100 Bikes
Citibike Bixi: 6,000 Bikes
The Grid: Sobi in Phoenix
Bike w/ integrated computer and lock

Kiosk with Info sign

Rack

Bikeshare Stations
Reserve a bike online or from the bike

Bikeshare Experience
Unlock the Bike with your PIN

Bikeshare Access
Place the lock in the holster and enjoy your ride!

Bikeshare Access
Return the bike to any UBike rack on Grounds. Remember to lock it to complete your ride!
Utility basket
Integrated computer and lock

Dynamo powered LED lights
3-Speed, shaft drive

Bike and System Amenities
Membership Options
Daily
Monthly
Annual

Rental Options
1 Hour Free per day
Hourly Fee thereafter
“Out of Hub” Fee
How much does it cost?

Pricing

- **$5** Daily
  - Daily Free Time: 2 hours
  - Sign Up
  - *Overage fees: $1/hour (prorated)*

- **$20** Monthly
  - Daily Free Time: 1 hour
  - Sign Up
  - Day passes expire at midnight

- **$80** Annual
  - Daily Free Time: 1 hour
  - Sign Up
  - $5 locking "out of hub" fee

- **$60** Student
  - Daily Free Time: 1 hour
  - Sign Up
Bicycle Share Planning:
Station Locations
228 Racks
09/11/2014

18 Station Locations: 228 Racks/120 Bikes
Station Installation and System Start: Fall 2014

Marketing Materials and Events + Website Implementation

Redistribution and Maintenance by Blue Ridge Cyclery