



LARC 2150 | 8150: Planting Design

Final Project

Instructor Lara Browning

Spring 2023

For your final project, you will create a low-impact development conceptual design and planting plan for the bioretention area at Clemson's ARTS facility. Please read the attached overview of the project:

Project location: 202 Hugo Drive, Clemson, SC 29634

Project Due Dates:

Site Analysis: Tuesday, April 4th at 9am (50 points)

Preliminary Presentation: Tuesday, April 11th at 9am (150 points)

Final Presentation: Wednesday, May 3rd, at 8 – 10:30am (100 points)

Final Reports: Wednesday, May 3rd at 8am (200 points)

General considerations should include:

- Landscape as Teacher – What lessons can the landscape reveal to students about natural processes? i.e. storm water as part of the hydrologic cycle – How can we demonstrate and celebrate what happens to the rainwater collected by the solar panels and/or surface water in the bioretention areas?
- Conspicuous Sustainability – how to show school and community users that sustainability was considered in every aspect of the design?
- Prioritize native plantings (though can include well-selected nonnatives)
- Low-maintenance, low-tech, inexpensive design

You will work in groups of 3 - 4 students.

Initial Concept Deliverables

- Site analysis (includes a sun analysis diagram)
- Concept Statement
- Illustrative Master Plan
- Seasonal diagram
- Graphic planting palette
- 2-3 graphic support images (sections, perspectives etc.)

Final Presentation and Report Deliverables:

- Title page
- Acknowledgment page
- Authors (pictures of team members)
- Table of contents
- Project introduction & process description
- Low Impact Development | Green Infrastructure introduction

- Site analysis (includes a sun analysis diagram)
- Concept statement
- Grading plan
- Graphic planting palette
- Illustrative master plan
- Symbolic planting plan with complete plant schedule, notes etc.
- Seasonal diagram
- Seasonal illustration
- 5+ graphic support images (sections, perspectives etc.)
- Management plan and calendar