

# Lafayette Gardens

Spring 2020 - Sustainable Solutions

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# Agenda

- 1. Project Summary and Background
- 2. Design Proposal
  - a. Visual Layout
  - b. Structural Aspects
  - c. Environmental Considerations
- 3. Economic Analysis



# Summarizing Lafayette Gardens

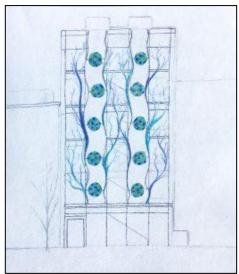


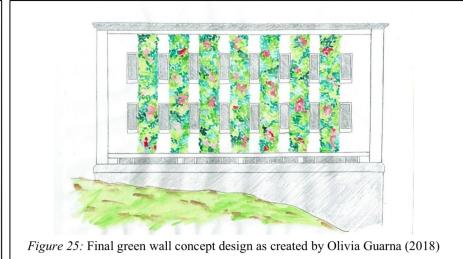
- Mission
- Design
- > Environmental Benefits
- > Significance
  - Sustainability
  - Education
  - Collaboration
  - Inclusivity



# **Background Information**

- EGRS Capstone Projects and the Acopian Atmosphere
  - Fall 2017 Art in the Stairwell
  - Fall 2018 Greenwall

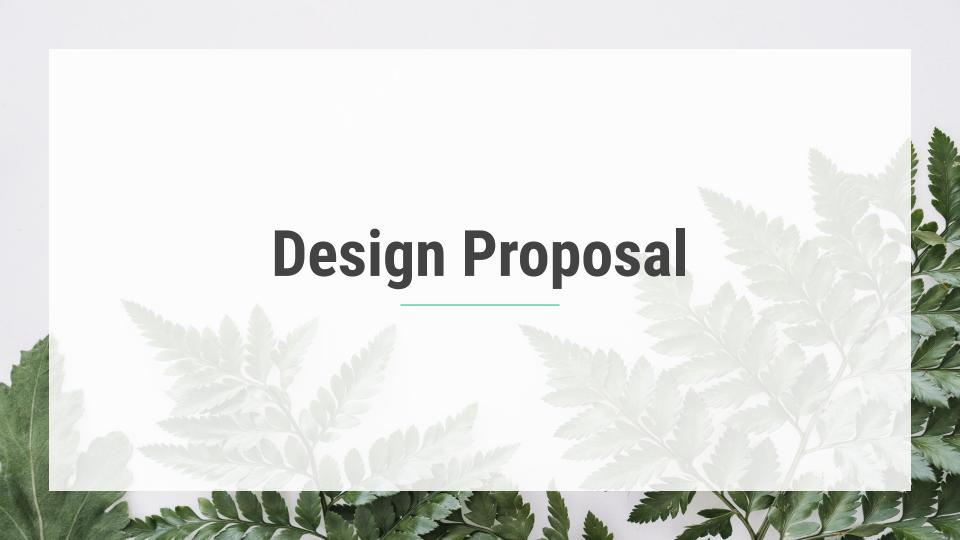


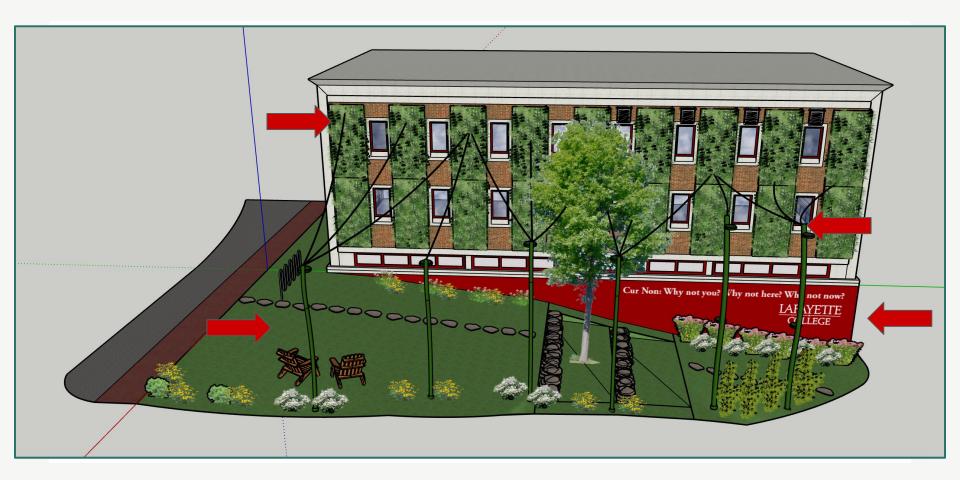


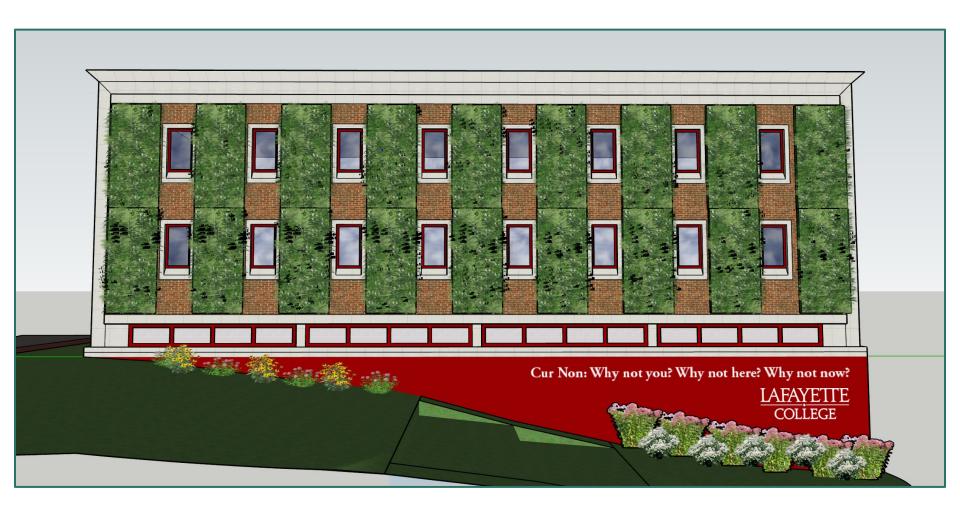


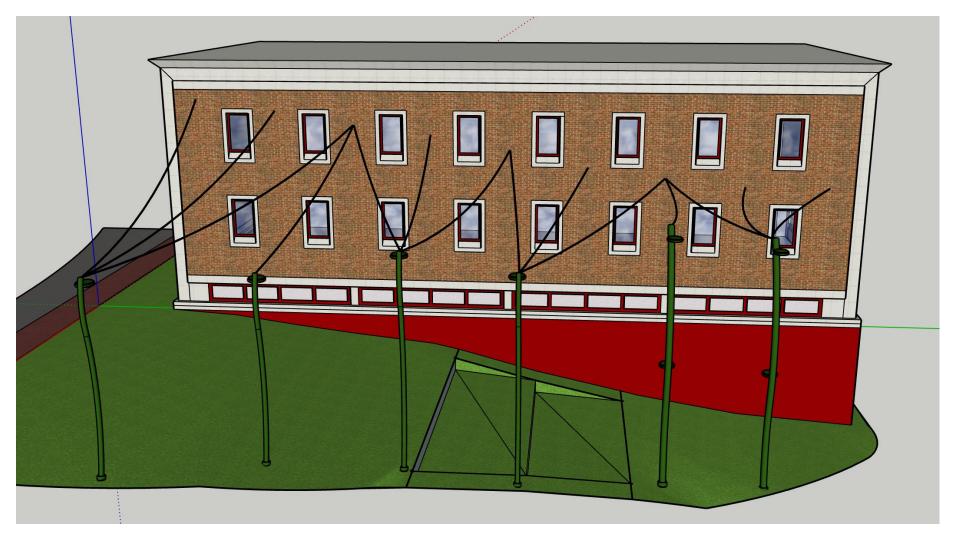
# **Preliminary Steps**

- Determining the purpose:
  - Who will inhabit the space?
  - How will it be used?
  - What do we hope to accomplish?
- Meeting with on-campus experts
- Defining the project:
  - "Creating a multidimensional collaborative space on the north east wall of Acopian that facilitates interaction between students of all different areas here on campus."

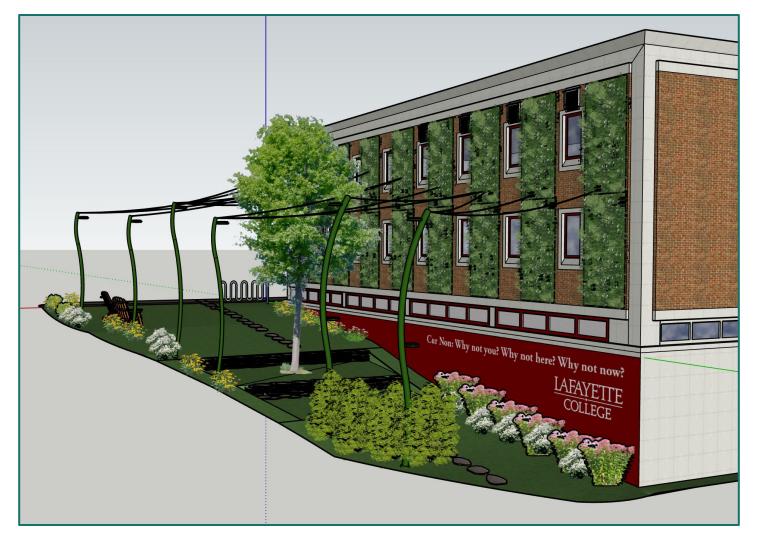


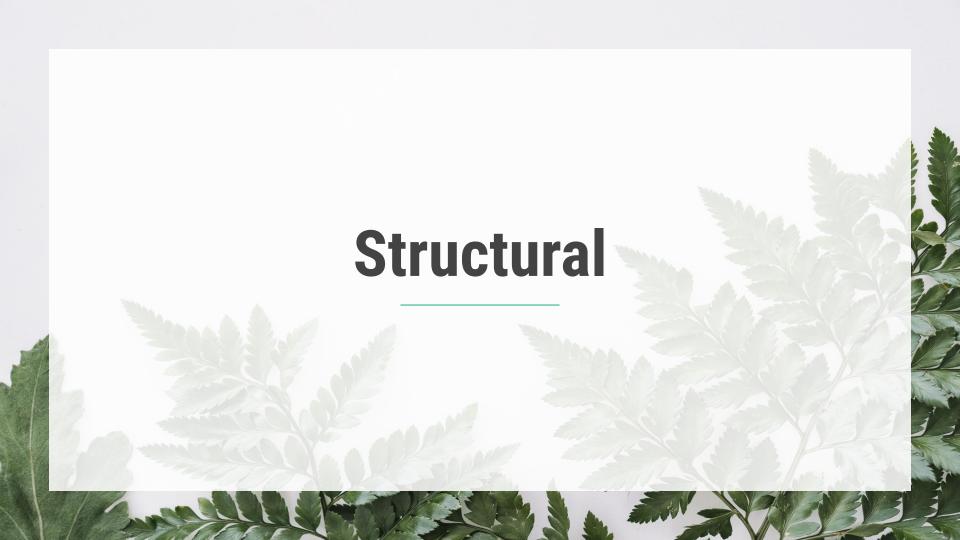


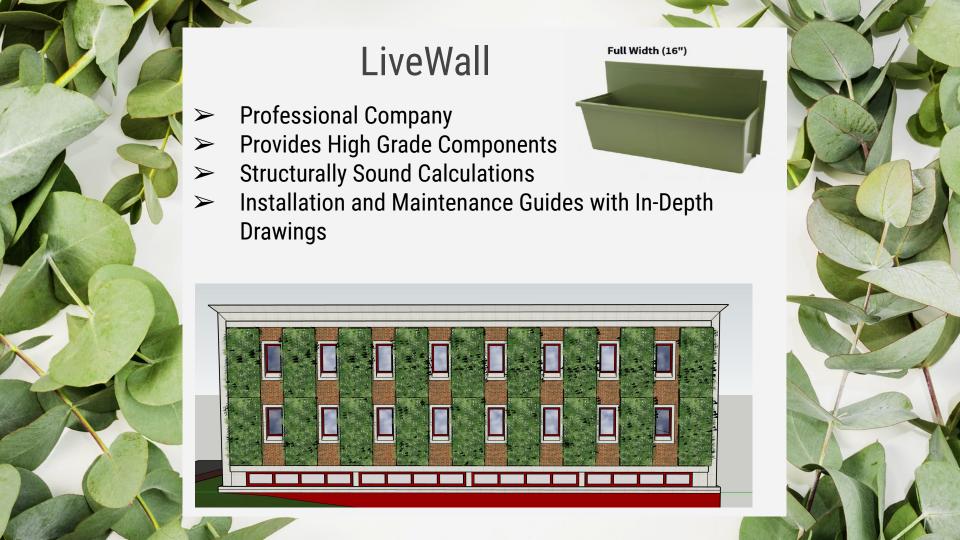




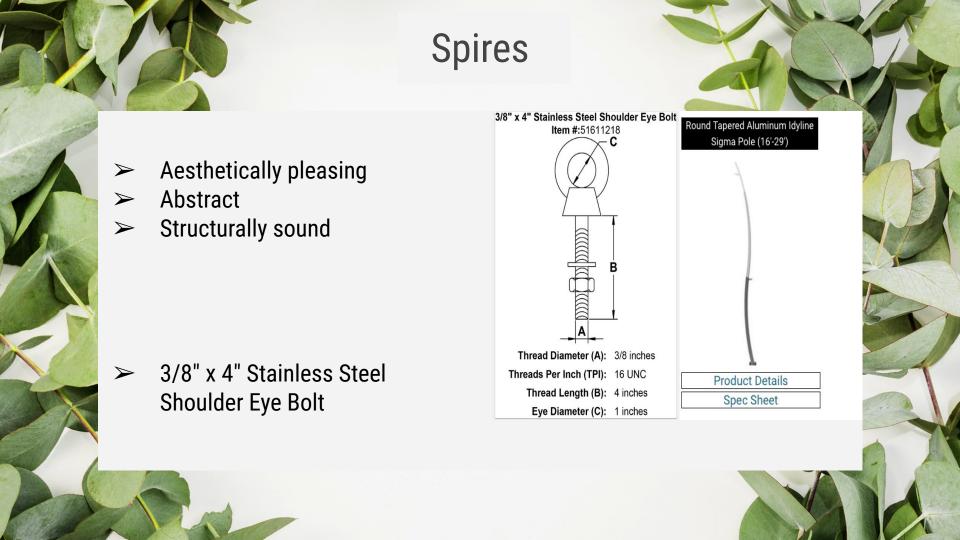












# **Environmental Considerations**



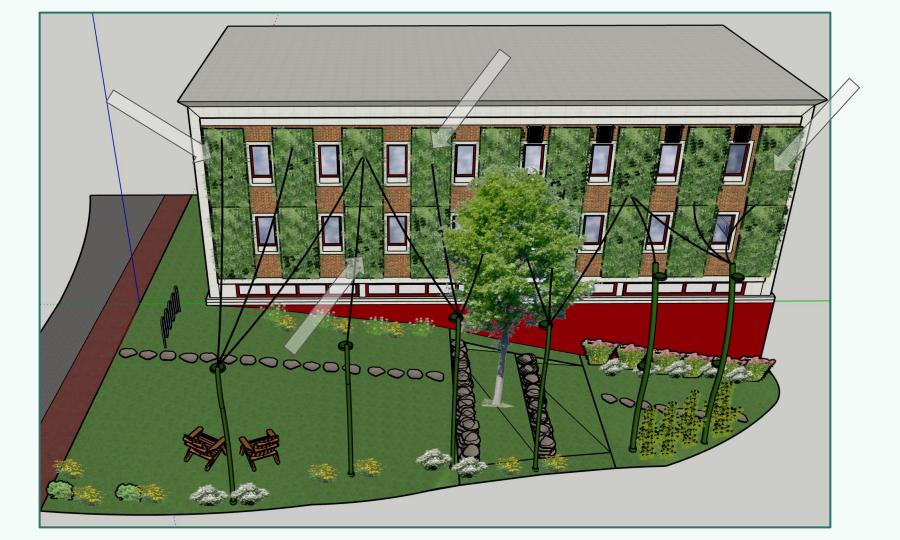


## **Bat Boxes**

Four three-chambered bat boxes will be placed at the top of Acopian, at least 15 feet off the ground









## Plant Choices for the Wall

- Coleus
- Bergenia cordifolia
- > Fuschia
- Golden Creeping Jenny
- Japanese Pieris
- > Violas



# **Finalized List**











# Considering the Seasons

The plants shown previously were meticulously chosen for its success in the standard pots.

We also considered how these plants would look during the different seasons.

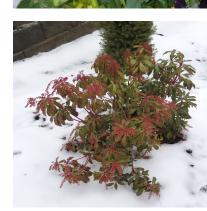
# Summer







Winter





# Cont...

### Plant Choices for the Ground

- Spicebush
- > Spring-beauty
- Forest Goldenrod
- Violet, common blue
- > Rosa Virginiana











# Cont...

#### Plant Choices for the Ground

- Wild Bergamot
- > Inkberry
- > Three-lobed Coneflower
- > Cutleaf Coneflower
- > Joe-pye Weeds



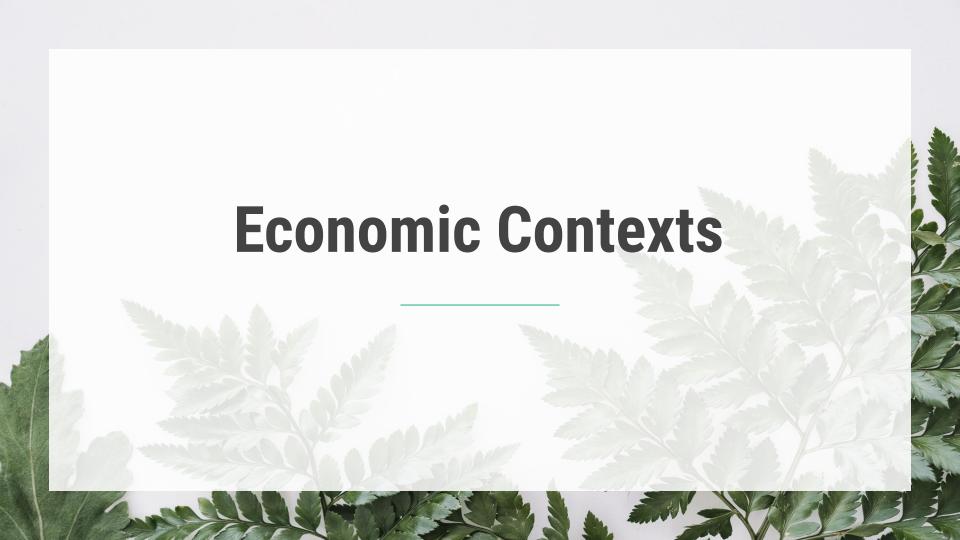














# This section will cover 4 major points

- 1) How much does this project cost?
- 2) How will the project be funded?
- 3) How can we determine the value?
- 4) What are the next steps?



- \$160,000 250,000
- The wall and landscaping > 90%
- Maintenance?



# How to fund this project?

#### **A Major Donor**

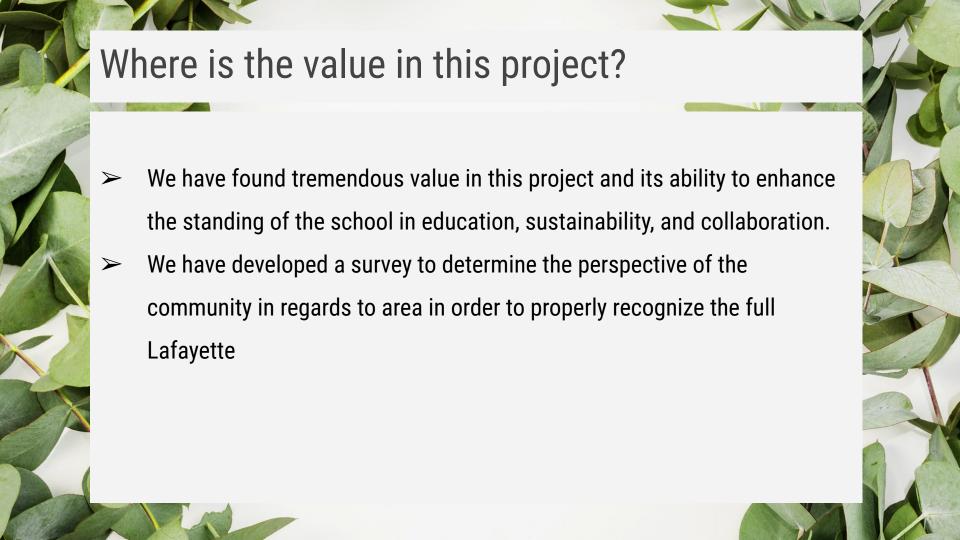
We are going to need to incorporate some sort of large donor in order to fund this endeavor. As a result the area would be renamed in their honor.

#### **Campus Organizations**

In order to fund smaller portions of the project such as the bat boxes we would look to organizations on campus such as LEAP to get involved.

#### **Student Course Work**

We could fund certain portions of the project by turning them into student led independent study work. The mural would likely be the focal point of this approach.





## What comes next in the area of economics?

- Obtain more specific estimates and valuations of the project from outside parties.
- Conduct the survey to understand the perspective of the Lafayette community in regards to the project.
- 3) Further look at the detailed costs of irrigation and maintenance on the project.



## In Conclusion

- A unique and multifunctional space
- Education, Inclusivity, Collaboration, Sustainability
- There are a variety of diverse values that this project provides Lafayette
  - Recreational Value
  - Educational Value
  - Environmental Value
  - Reputational Value
- Acopian and beyond

## Thank you!

For more information, check out our website: sites.lafayette.edu/greeningacopian

## A Special Thanks To...



Professor Joe Biondo



Professor Ben Cohen



Professor Scott Hummel



Professor Jim Toia



Professor Mary Wilford-Hunt

For All Their Help And Support!

As well as Prof. Liu, Prof.

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Questions?

