

Reitz Union Lawn / Inner Road Improvements

Project No. UF-644, UF-644A and UF-644B

LVL Committee Meeting

October 5, 2023

Tom Feather, Project Manager

Project Overview - Location



Project Overview – Area of Modification



Project Overview – Existing Conditions



2 Sabal palmetto (est. 30' c.t.) and European Fan Palm



Walk and Drain Inlet at Reid Hall



Broken Planter Wall

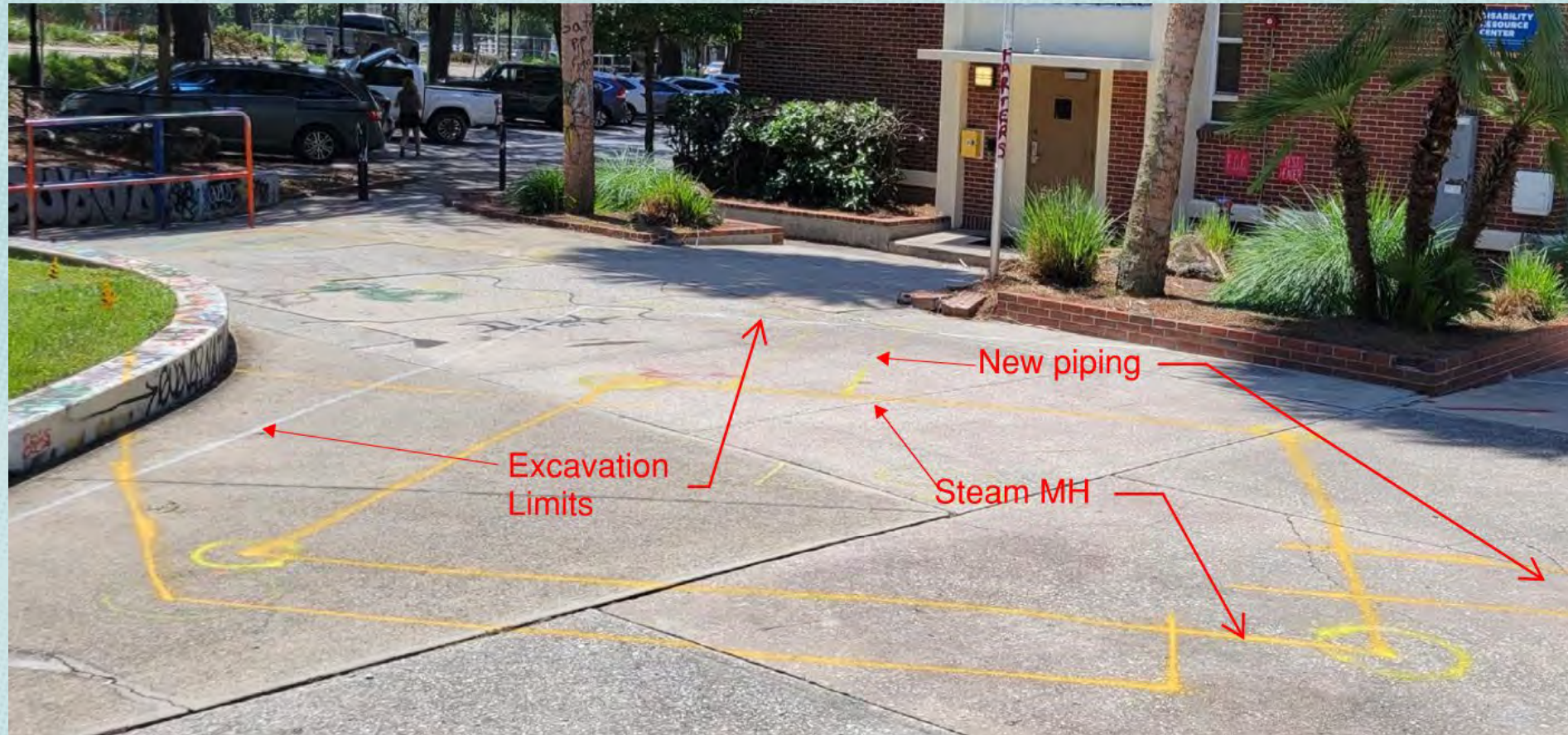
Project Overview

SITE MEETING

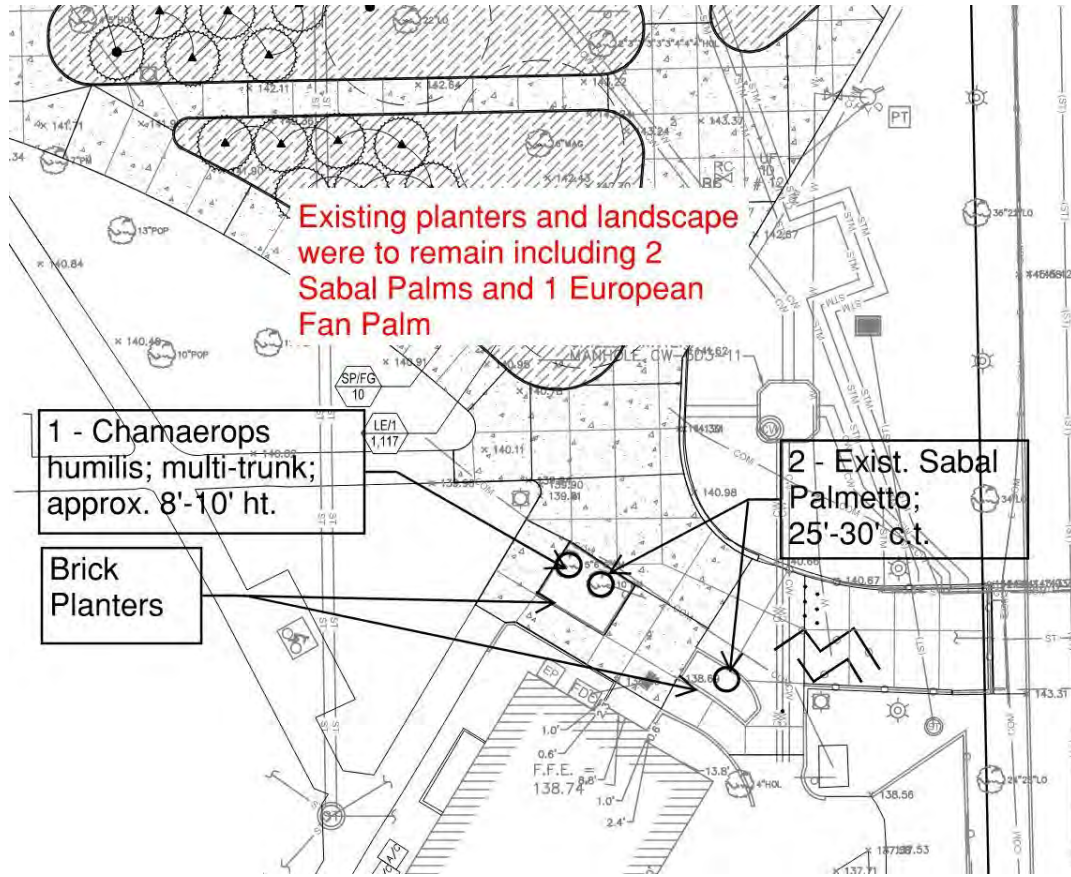
Discussion regarding construction impacts on drainage, planters, two Sabal Palms and a European Fan Palm.

CONCLUSION

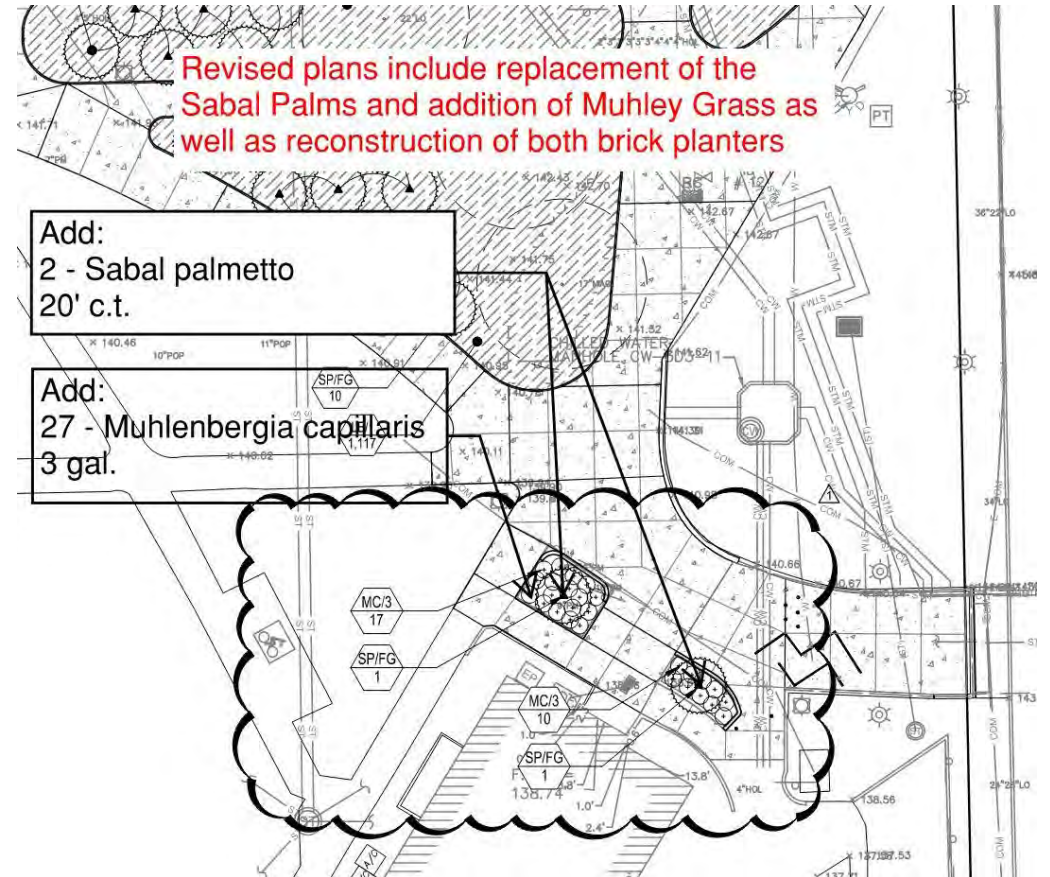
Construct utilities as planned. Reconstruct sidewalk, drainage and planters in their original configuration. Turn Sabal Palms and European Fan Palm over to UF Grounds for planting elsewhere on campus. Plant 2 new Sabal Palms after reconstruction is complete.



Tree Impact Summary



ORIGINAL LANDSCAPE PLAN



REVISED LANDSCAPE PLAN

Landscape Plan & Compliance with the Landscape Master Plan

The proposed approach to mitigating the impacts of the utility construction:

1. Replaces the two Sabal Palms impacted by the constructed with two new trees of the same species.
2. Provides for the addition of the two relocated Sabal Palms elsewhere on campus.
3. Provides for the addition of the European Fan Palm elsewhere on campus.
4. Fixes the damage to the bricks of one planter.

All plants and brick materials proposed meet the Landscape Master Plan requirements.



Draft desired motion to be made by the committee:

“Motion to approve the modifications to the landscape plan for the Inner Road Streetscape project as presented”



The logo for the University of Florida, consisting of the letters 'UF' in white on an orange square background.

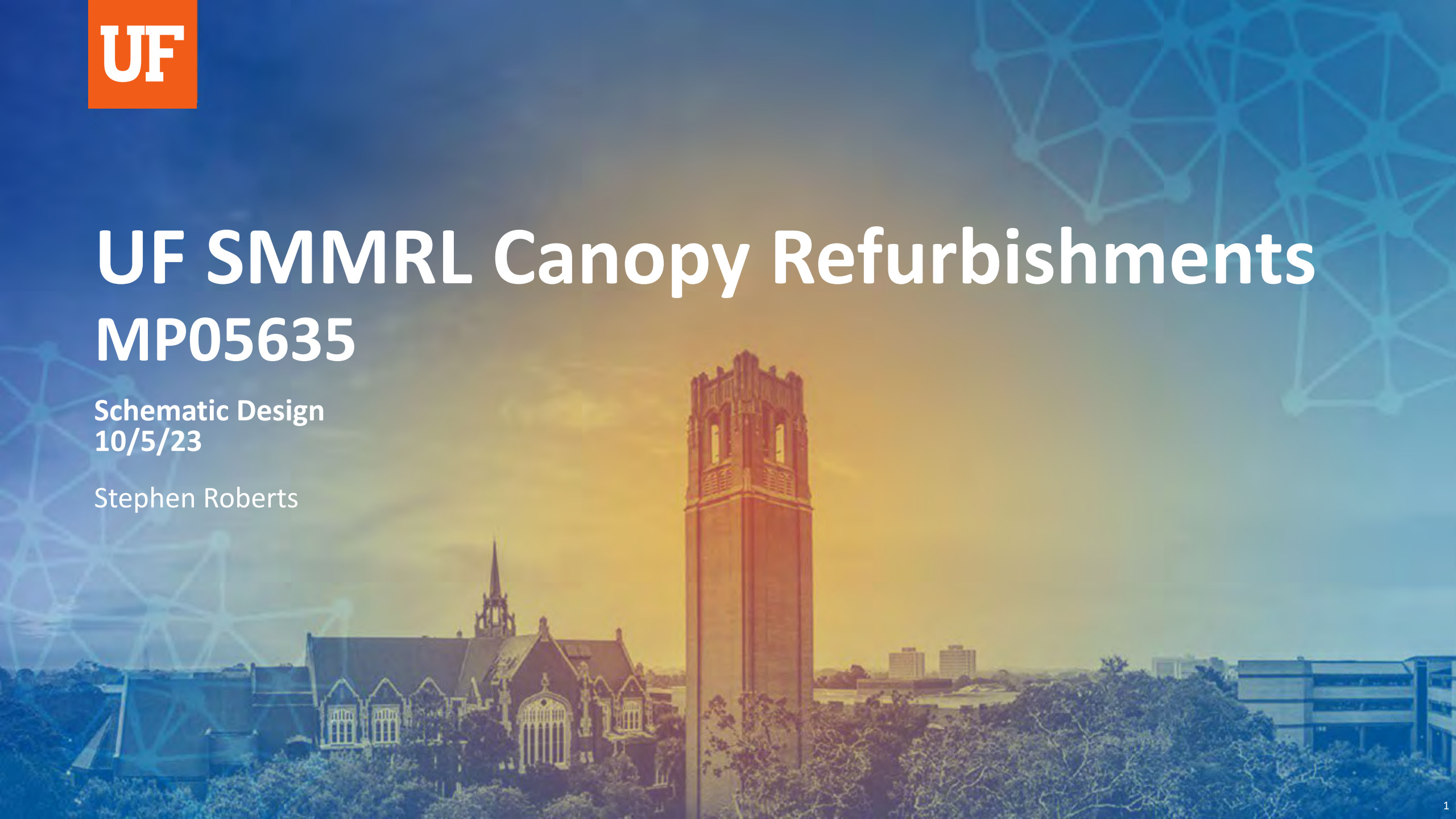
UF

UF SMMRL Canopy Refurbishments

MP05635

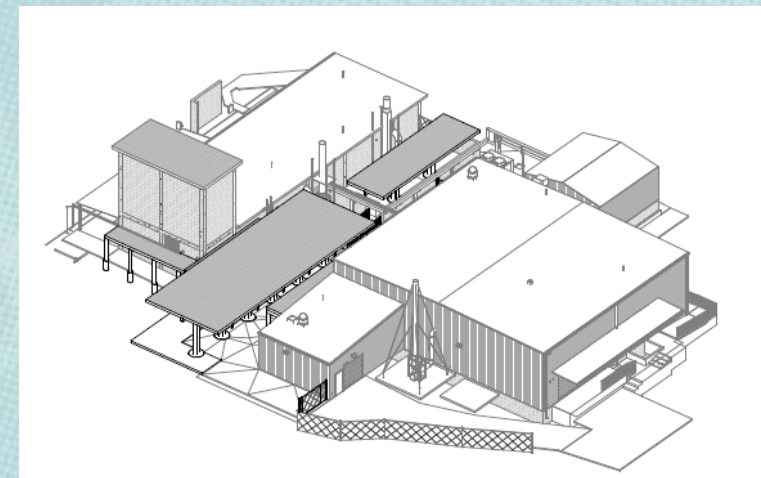
Schematic Design
10/5/23

Stephen Roberts



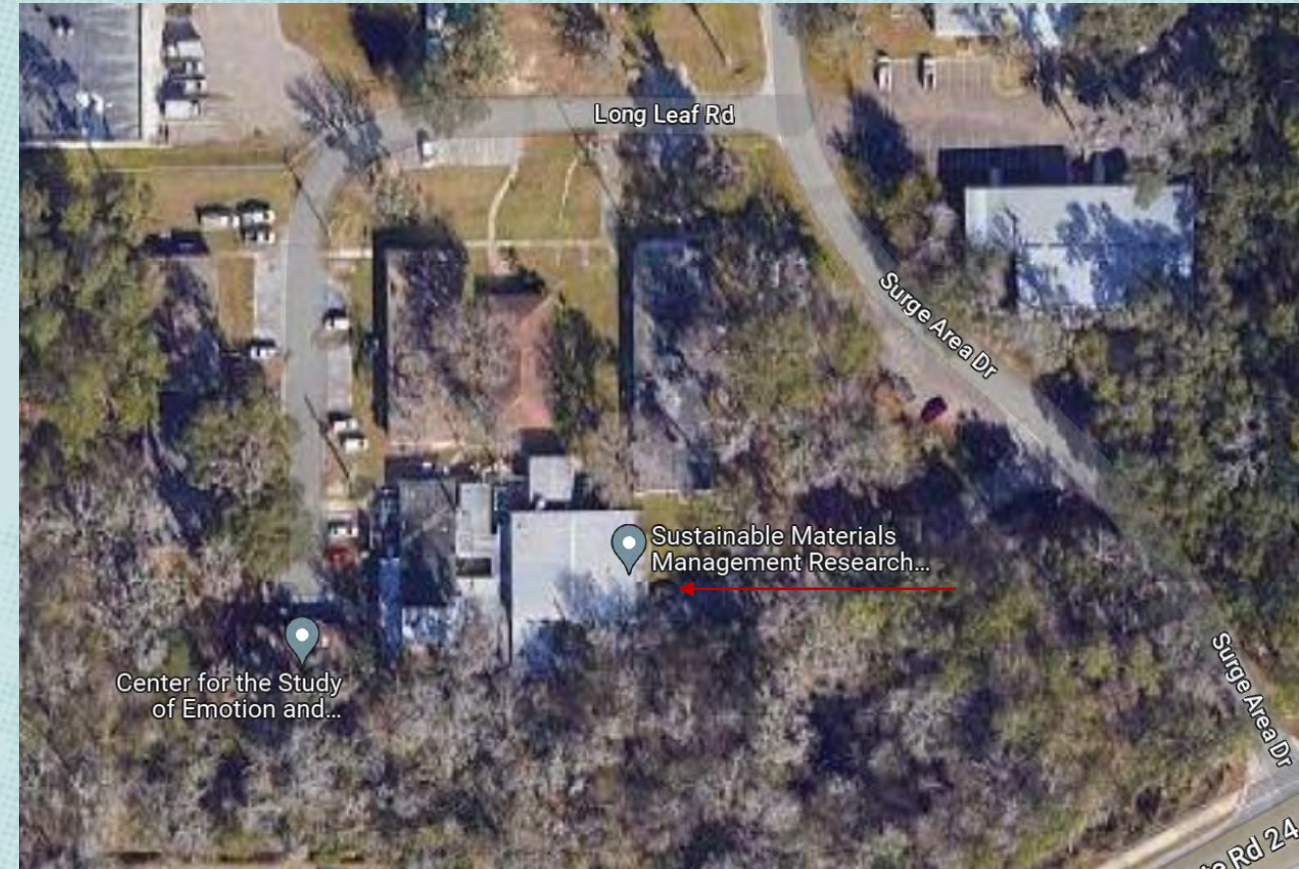
Project Overview

- Where is the project located? Provide an aerial image of the campus map showing the project boundaries. **The project is located in the surge area of the UF campus.**
- What is the purpose of the project? **The purpose of this project is to design and install a pre-engineered aluminum canopy system to replace the existing failing aluminum roof system installed between buildings 0226 and 0771. Facility Services has deemed the existing canopy unserviceable due to the failing structural system, and it has continued to degrade causing a hazard. This effort includes a series of new pre-engineered aluminum canopies with foundations and a new topping slab between the buildings. This will be used for storing materials, an exterior fabrication space, and protection from the elements for students between the buildings.**
- What is the estimated total SF? **The total SF under the canopy is approximately 3,000+/-.**
- What is the site currently used for? **The site is currently used for storing materials, an exterior fabrication space, and protection from the elements for students between the buildings for the Sustainable Materials Management Research Laboratory (SMMRL).**



Site Plan

- Ex. Will any nests or habitats need to be relocated? **No.**
- Ex. How will the design be cohesive with surrounding areas and existing pedestrian connections? **The canopy will be a direct replacement.**
- Ex. Does the proposed design incorporate previous recommendations from the committee, community or university planners? **N/A**



Landscape Master Plan

- Does the project fall within an area identified as a [priority project](#)? **No.**
- Does the project fall within an area identified as a [campus area for enhancement](#)? **No.**
- Does the project front the [Arts Axis or Arts Walk](#)? **No.**
- Does the project front a street or [campus edge](#)? **No.**

Tree Impacts

- Provide locations, summaries, photos and justifications for the proposed trees for removal. Be sure to provide species, current health of the tree and dbh. **1 tree to be removed on the SW corner between building 771 and 226, water oak, poor condition, +/- 13"**
- **No other trees to be impacted.**



Tree Impact Summary

Will these trees be replaced on site, off site, or will the project pay into the [tree mitigation fund](#)? **The project will pay into the tree mitigation fund.**

Why is this the best option? **The current tree is in poor health and in a location that is causing the existing canopy to become unserviceable and a hazard.**

Tree #	Species	DBH	Health	Photo
1	Water Oak	+/- 13"	Poor	1



Sustainability and Site Impact Analysis

- Will the project be pursuing any sort of certification? **No.**
- Will the project explore relocating/repurposing existing trees or vegetation? **No.**

“A motion to approve the requested 1 tree for removal with the project paying into the tree mitigation fund”



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UF

Fraternity-Sigma Alpha Epsilon Retaining Wall MP07840

Design Development & Schematic Design
October 5th, 2023

Fatima Ahmed



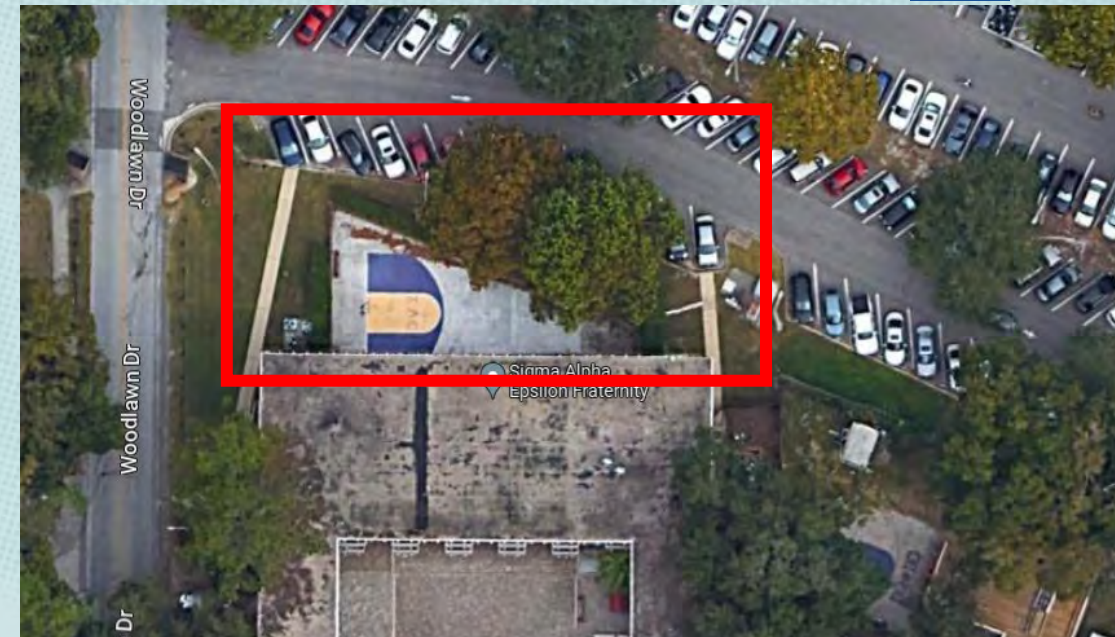
Project Overview

Project: MP07840 - 0420 - Fraternity-Sigma Alpha Epsilon Retaining Wall

Location:

Fraternity-Sigma Alpha Epsilon

2256 MUSEUM RD
#2 Fraternity Row
GAINESVILLE, FL 32603
Bldg #: 0420

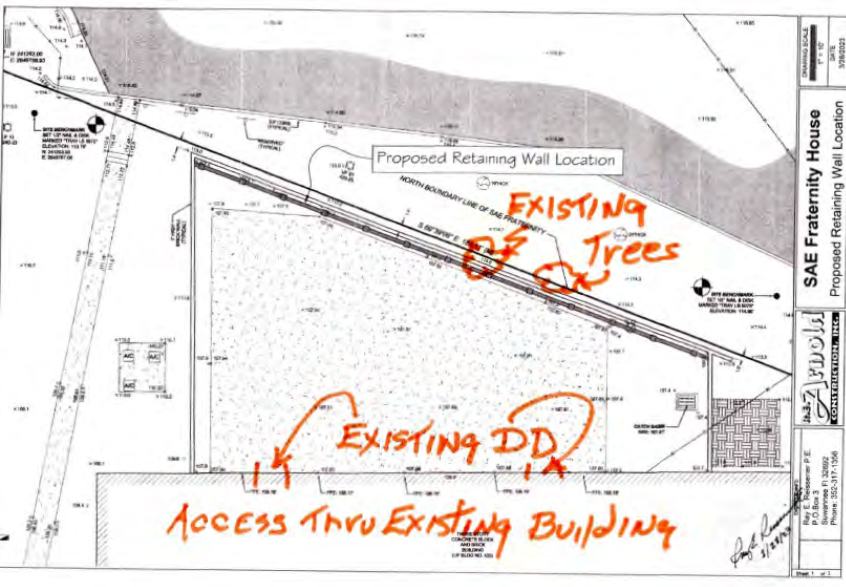
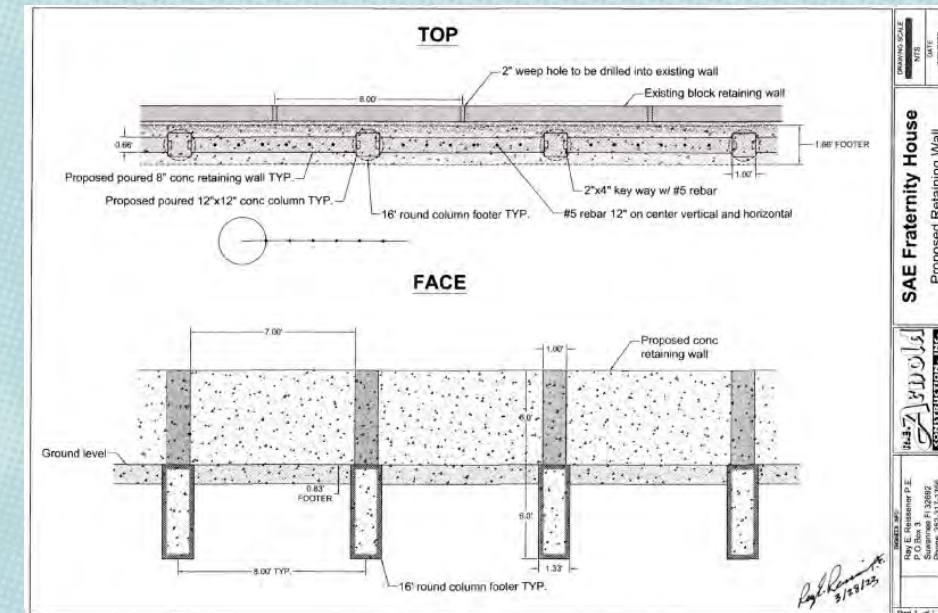
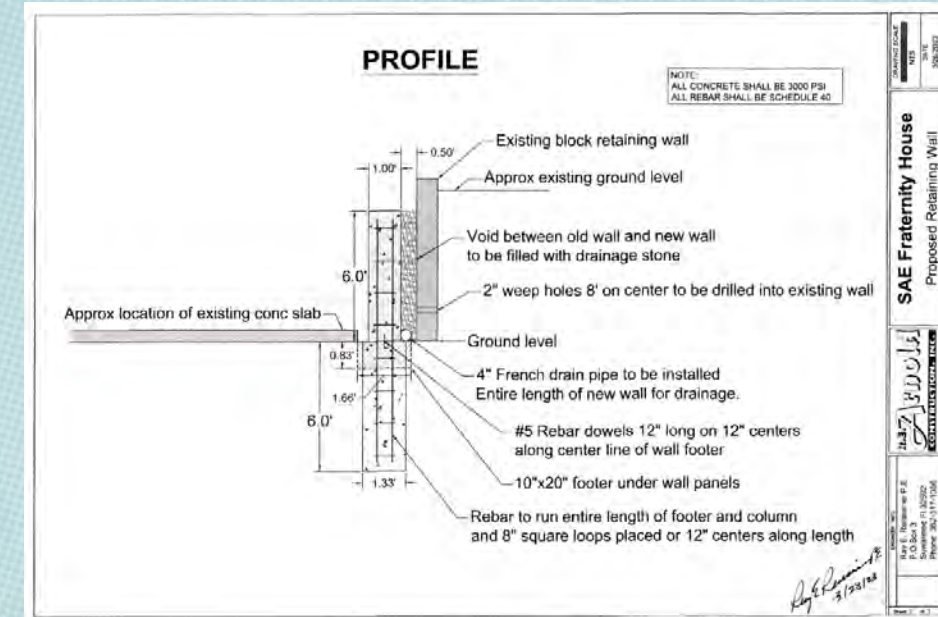
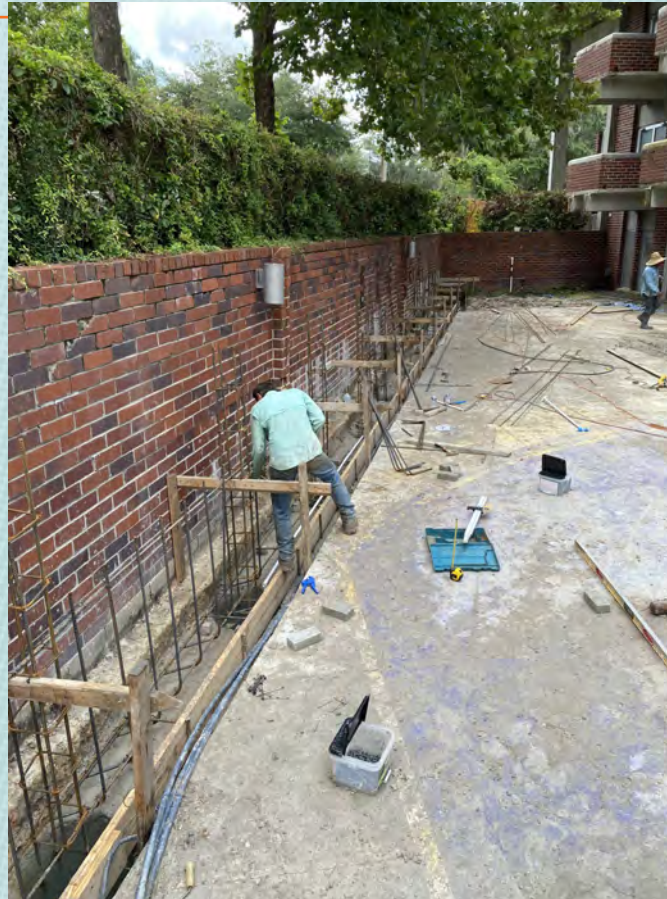


Square Footage of the basketball court is 3800 sq ft. Purpose of the project is to replace retaining wall and addition of a French Drain. Site is currently used for an outdoor basketball court for Fraternity students at SAE



Site Plan

- No heritage trees on premises
- There is currently an existing concrete slab
- Building a concrete retainer wall next to the damaged wall



Tree Impacts

- Trees are located within 10-12 feet of existing privacy wall on applicants' property
- "Originally, the applicants constructed a brick privacy wall to enclose the compound. Over a period of time the University constructed a parking lot adjacent to the applicant's property and placed fill material several feet above the existing elevation and against the applicant's privacy wall."



Tree Impact Summary

Root base of existing trees continue to put pressure against applicants existing privacy wall. West side of the tree's root base was constricted by the wall; however, the west side of the trees canopy extends over the applicant's property by 20 feet or greater.

Tree #	Species	DBH	Health
#1	Sycamore	18 inches	Good
#2	Sycamore	18 inches	Good





Gator Tree Service, Inc.

2603 NW 13th St #170
 Gainesville, FL 32609
 352-367-0017
 GatorTreeServiceInc.com



To
 UF Planning, Design and Construction
 Lakes, Vegetation and Landscape Committee
 UF.Gatorbill@Gmail.com

09/ 26/2023

To Whom it may concern.

I have inspected the 2 Sycamore trees on the back of the SAE Fraternity house that are planted within 13' of the retaining wall. This wall protects the ground floor patio / courtyard, gathering area from the parking lot that is about 8' above the ground level. These 2 large Sycamore trees occupy the ground space between the wall / property line and the parking lot. The trees have very obvious large roots that are growing to the wall and have caused buckling to the original wall which had to be reinforced with steel pinning and a second concrete wall.

Sycamore trees are commonly planted in large yards and open spaces as they are very large trees with abundant foliage that make great shade trees. Unfortunately there are circumstances where these large heavily foliated trees cause problems creating burden of debris clean up, neighbor conflicts and damage to infrastructure.

I have taken some information from: "Manual of Woody Landscape Plants Their Identification, Ornamental Characteristics, Culture, Propagation and Uses" Michael A Dirr For your understanding.

- Platanus occidentalis - Sycamore. - Size: 75 to 100' in height with similar or greater spread ... one of our tallest Eastern native deciduous broadleaf trees.

- Landscape Value: "If native to an area do not remove the tree: however, do not plant it ... the tree is simply too large and is constantly dropping leaves, twigs and fruit: If people only considered all the factors regarding each tree they plant perhaps much maintenance and trouble could be avoided"

- A second publication " Reducing Infrastructure Damage by tree roots: a compendium of strategies" L.R Costello & K.S. Jones
 Table 2: "Species reported to form surface roots or cause damage to infrastructure " -- Platanus spp. Sycamore -- Gilman 1997.

The 2 trees are somewhat mature 24' and 18' DBH and will grow considerably larger in size. Branches are already over the courtyard area dropping leaves and fruit providing continuous debris which clogs the sump. Roots are pushing on the wall which had been reinforced to avoid buckling, this will continue. Root pruning is possible but is costly and does not address the limbs above the courtyard. This would be at best a temporary solution.

There is also a row of Viburnum hedges planted along the wall, these hedges can grow very fast up to 7' in one



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year. A robust root system allows this growth to take place. These hedges are a second source of pressure against the wall.

In my professional opinion removal of the trees and hedges are the only final solution for this problem.

Thank you for your consideration.



Respectfully submitted Anthony E. Dobosiewicz
 Anthony Dobosiewicz
 ISA Certified Arborist: FL-1194-A

Landscape Plan

Replanting plan review:

- Mitigation fee will be included in project cost. Per the Mitigation Fee Policy - \$500 will be provided for removal of both Sycamore trees.

Stormwater:

- Drilling weep holes within the existing wall
- French Drain installed between two walls

Proposed Motion:

A motion to approve the project as presented.





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ISA Certified Arborist: FL-1194-A

October 5th, 2023
Facilities Services



Landscaping and Natural Resource Projects

Maintaining the aesthetics and functions of our natural areas

Project list

- Installation of landscaping bollards at the Plaza of the Americas
- Tigert Circle Beautification Project
- Ficke and IFAS Meadow Fencing Additions
- Buckman Drive Campus Beautification Project
 - Phase 1: Removal of holly trees on both sides of Buckman Drive.
 - Phase 2: Demolition of existing planters.

Conservation Area Land Management (CALM) Plan

Invasive Species Pilot



“Together, ordinary people can achieve extraordinary results.”

- Becka Schoettle

Kaylee August

SUSTAINABILITY PROGRAM
COORDINATOR

COMMON THEMES





INVASIVE SPECIES MANAGEMENT PLAN TIMELINE

Fall 2023 - Spring 2024

Phase 2

Phase 3

Invasive Species Pilot

- Compile **existing** habitat and invasive species data.
- Identify **data needs** for FWC grant.
- **Survey** vegetation pre and post-treatment in randomized 25m x 25m quadrats.
- Determine **percentage reduction** of invasives from both mechanical and chemical removal efforts.

Site-specific Management Plans

- Prioritize FLEPPC **Category 1 & 2** invasive exotic species.
- Identify **recurrent funding** opportunities.
- Determine long-term monitoring **protocol and criteria**.
- **Coordinate** mechanical community-based removal and chemical treatments.

Long-term Management Plan

- **Secure** recurrent funding.
- Hire a **land manager position** to oversee invasive species management plan.
- Establish **native planting** strategies in contained areas.
- Incorporate plan into **campus as a living lab** initiatives.

INVASIVE SPECIES PILOT

Fall 2023 Targeted Conservation Areas

Harmonic Woods



Jennings Creek



Fall 2023 Objectives

- Identify **data gaps** and **determine treatment efficacy** through pre and post-vegetation monitoring.
- Create an invasive species management plan for **targeted conservation areas.**
- Community outreach and mechanical removal through **Green & Clean events.**
- **Contractor** targeted chemical spraying.
- Further develop **collaborative team** of faculty, staff, students, and contractors.



A low-angle photograph of a dense forest with sunlight filtering through the trees. The image is slightly blurred and has a soft, ethereal quality. The text "QUESTIONS, THOUGHTS, COMMENTS?" is centered in the middle of the image in a bold, blue, sans-serif font.

QUESTIONS, THOUGHTS, COMMENTS?