

UF public safety building

Lakes, Vegetation and Landscaping Committee

05/14/2020



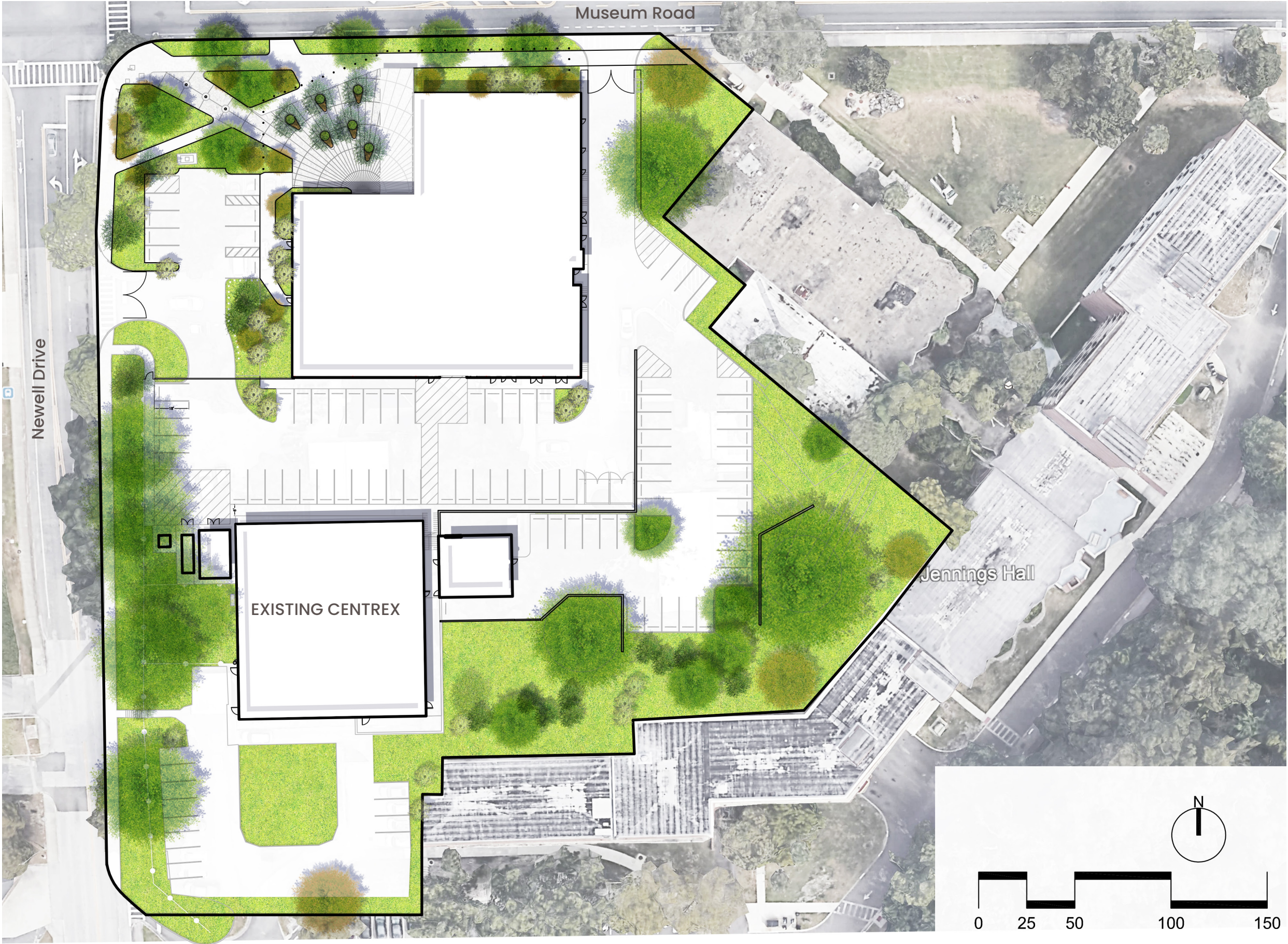
site context map



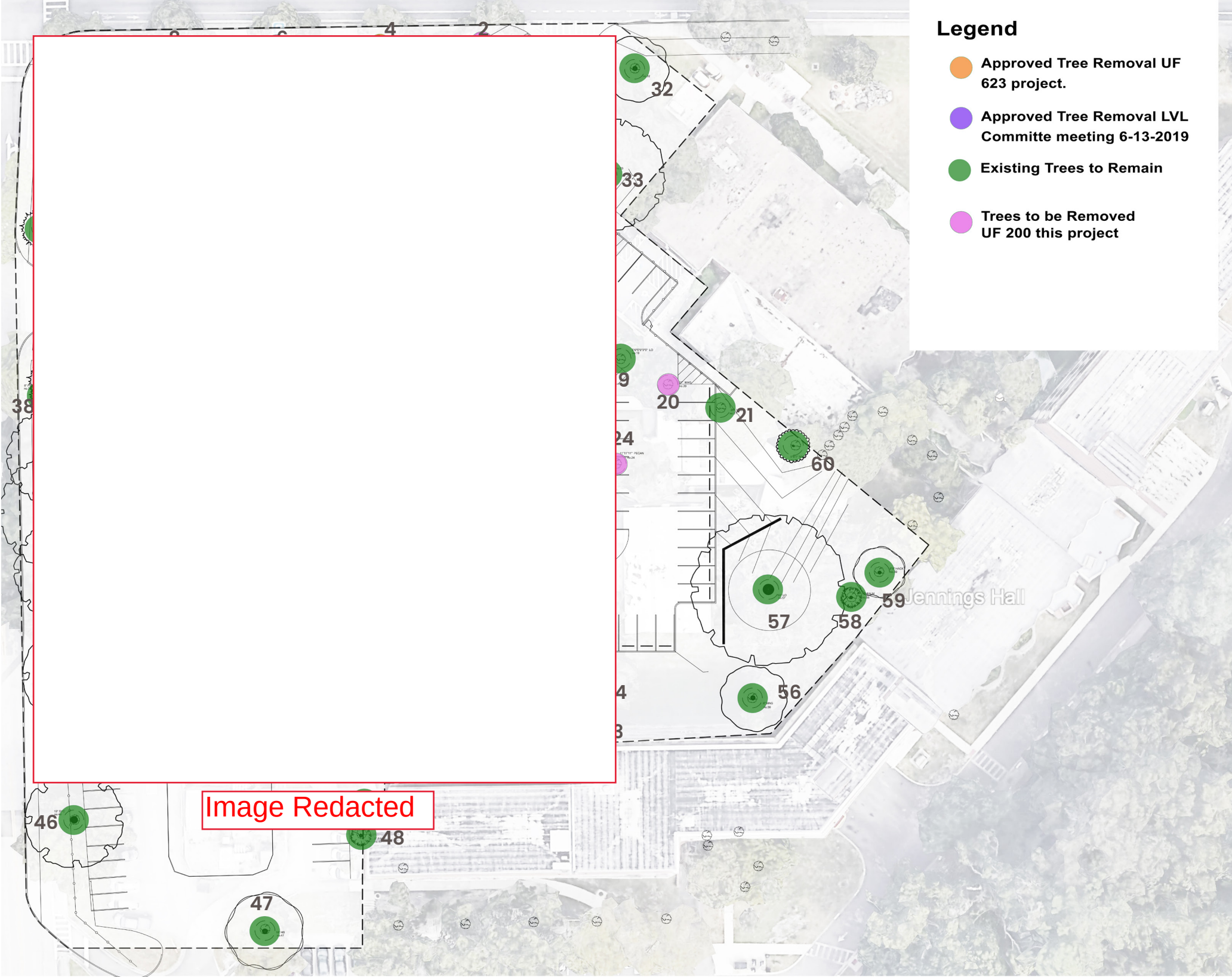
Architecture views



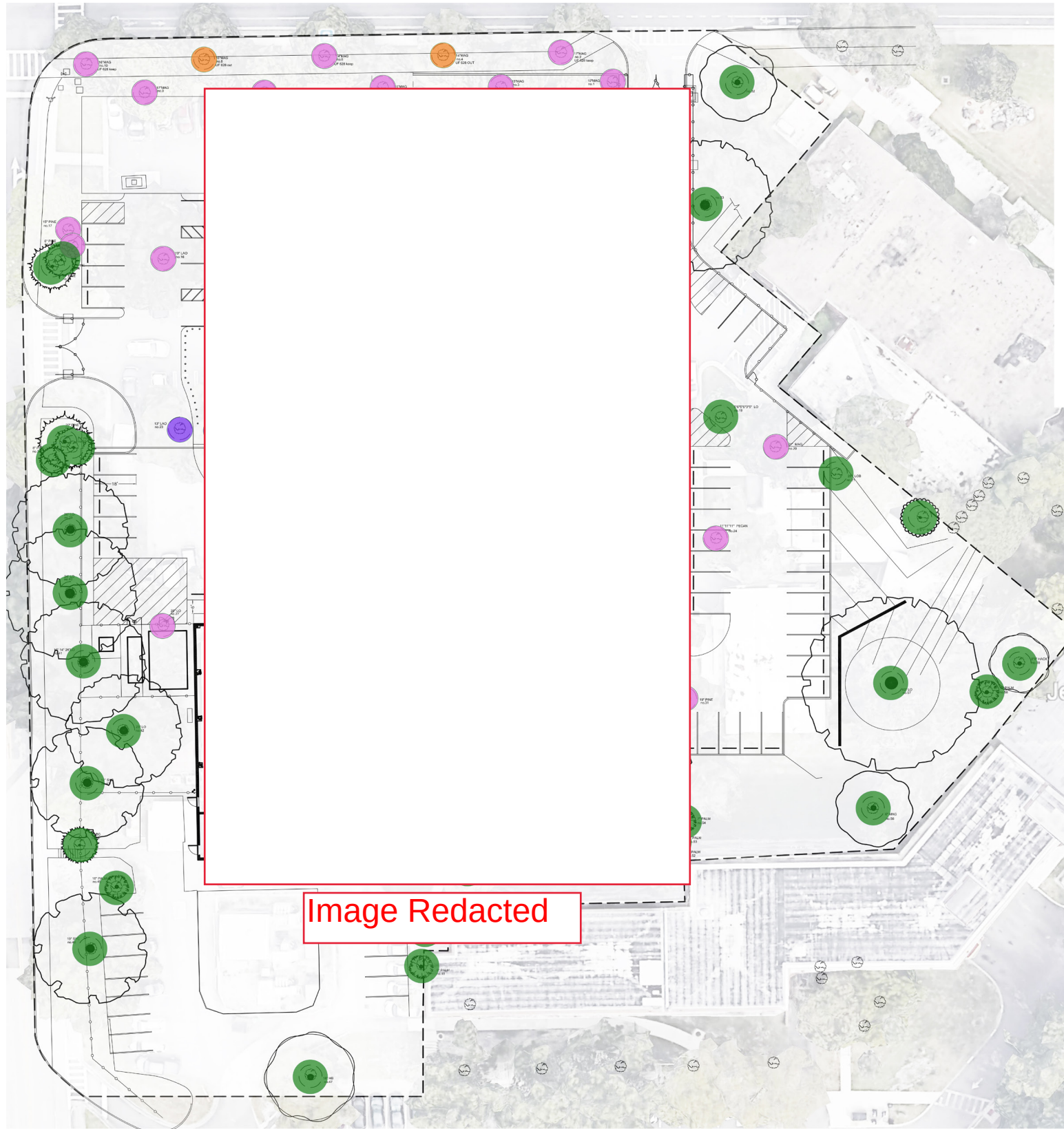
proposed site plan



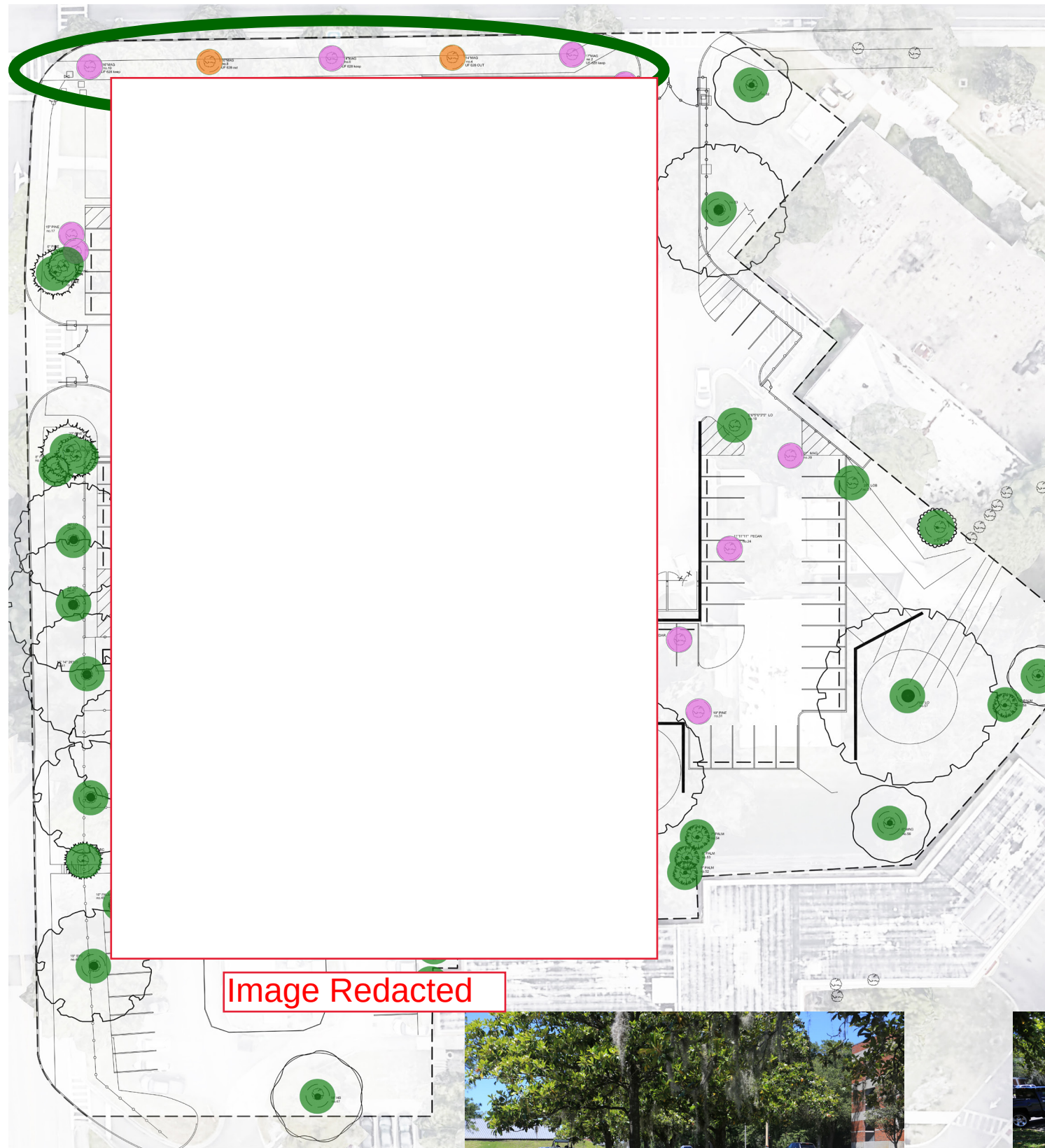
existing tree plan



No.	Scientific Name	COMMON Name	DBH_2020	Mitigation Cost
1	Magnolia grandiflora	Southern Magnolia	10	\$500
2	Magnolia grandiflora	Southern Magnolia	17	\$500
3	Magnolia grandiflora	Southern Magnolia	15	\$500
4	Magnolia grandiflora	Southern Magnolia	14	\$500
5	Magnolia grandiflora	Southern Magnolia	10	\$500
6	Magnolia grandiflora	Southern Magnolia	14	\$500
7	Magnolia grandiflora	Southern Magnolia	12	\$500
8	Magnolia grandiflora	Southern Magnolia	16	\$500
9	Magnolia grandiflora	Southern Magnolia	17	\$500
10	Magnolia grandiflora	Southern Magnolia	16	\$500
11	Illex x attentua	E. Palatka Holly	14	\$500
12	Illex x attentua	E. Palatka Holly	26	\$3,000
13	Illex x attentua	E. Palatka Holly	14	\$500
14	Illex x attentua	E. Palatka Holly	20	\$1,500
15	Illex x attentua	E. Palatka Holly	10	\$500
16	Quercus laurifolia	Laurel Oak	19	\$500
17	Pinus elliotti	Slash Pine	15	\$500
18	Pinus elliotti	Slash Pine	6	\$500
19	Eriobtrya japonica	Loquat	TBD	
20	Magnolia grandiflora	Southern Magnolia	21	\$1,000
21	Pinus taeda	Loblolly Pine	28	\$500
22	Quercus laurifolia	Laurel Oak	14	\$500
23	Quercus laurifolia	Laurel Oak	13	\$500
24	Carya illinoensis	Pecan	36	\$4,500
25	Quercus virginiana	Live Oak	36	\$4,500
26	Quercus virginiana	Live Oak	15	\$500
27	Quercus virginiana	Live Oak	25	\$1,500
28	Juniperus silicicola	Cedar	15	\$500
29	Quercus laurifolia	Laurel Oak	11	\$500
30	Quercus laurifolia	Laurel Oak	18	\$500
31	Pinus elliotti	Slashpine	19	\$500
32	Magnolia grandiflora	Southern Magnolia	10	
33	Quercus virginiana	Live Oak	34	
34	Pinus elliotti	Slash Pine	12	
35	Pinus elliotti	Slash Pine	6	
36	Pinus elliotti	Slash Pine	20	
37	Pinus elliotti	Slash Pine	11	
38	Pinus elliotti	Slash Pine	8	
39	Quercus virginiana	Live Oak	20	
40	Quercus virginiana	Live Oak	24	
41	Quercus virginiana	Live Oak	52	
42	Quercus virginiana	Live Oak	23	
43	Plantanus occidentalis	Sycomre tree	12	
44	Taxodium distichum	Bald Cypress	13	
45	Palm	Palm	16	
46	Plantanus occidentalis	Sycomre tree	19	
47	Celtis occidentalis	Hackberry tree	18	
48	Palm	Palm	9	
49	Palm	Palm	8	
50	Palm	Palm	9	
51	Pinus elliotti	Slash Pine	24	
52	Palm	Palm	9	
53	Palm	Palm	8	
54	Palm	Palm	7	
55	Quercus virginiana	Live Oak	40	
56	Magnolia grandiflora	Southern Magnolia	6	
57	Quercus virginiana	Live Oak	60	
58	Palm	Palm	13	
59	Celtis occidentalis	Hackberry tree	16	
60	Lagerstroemia indica	Crape Myrtle	17	
			TOTAL	\$28,000

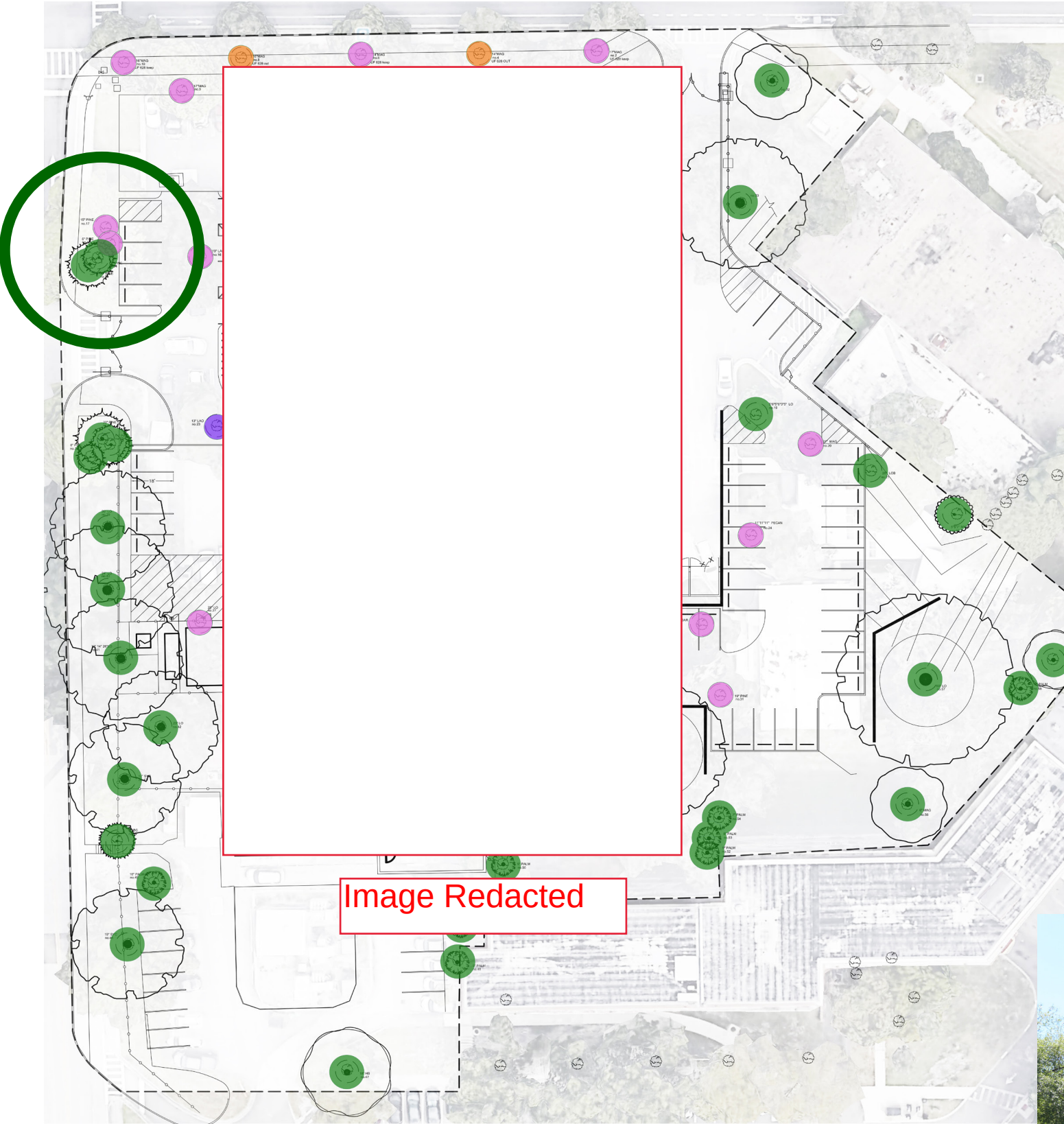


QUERCUS VIRGINIANA - 46" CALIPER



MAGNOLIA GRANDIFLORA
 VARIOUS SIZES 10-17" CALIPER
 NO HERITAGE TREES
 TWO PREVIOUSLY APPROVED FOR REMOVAL DUE
 TO INFRASTRUCTURE PROJECT - EXPECT MORE TO
 DIE DUE TO SITE CONSTRUCTION IMPACTS, UTILITY
 CONSTRUCTION AND GRADING UF PUBLIC SAFETY
 BUILDING



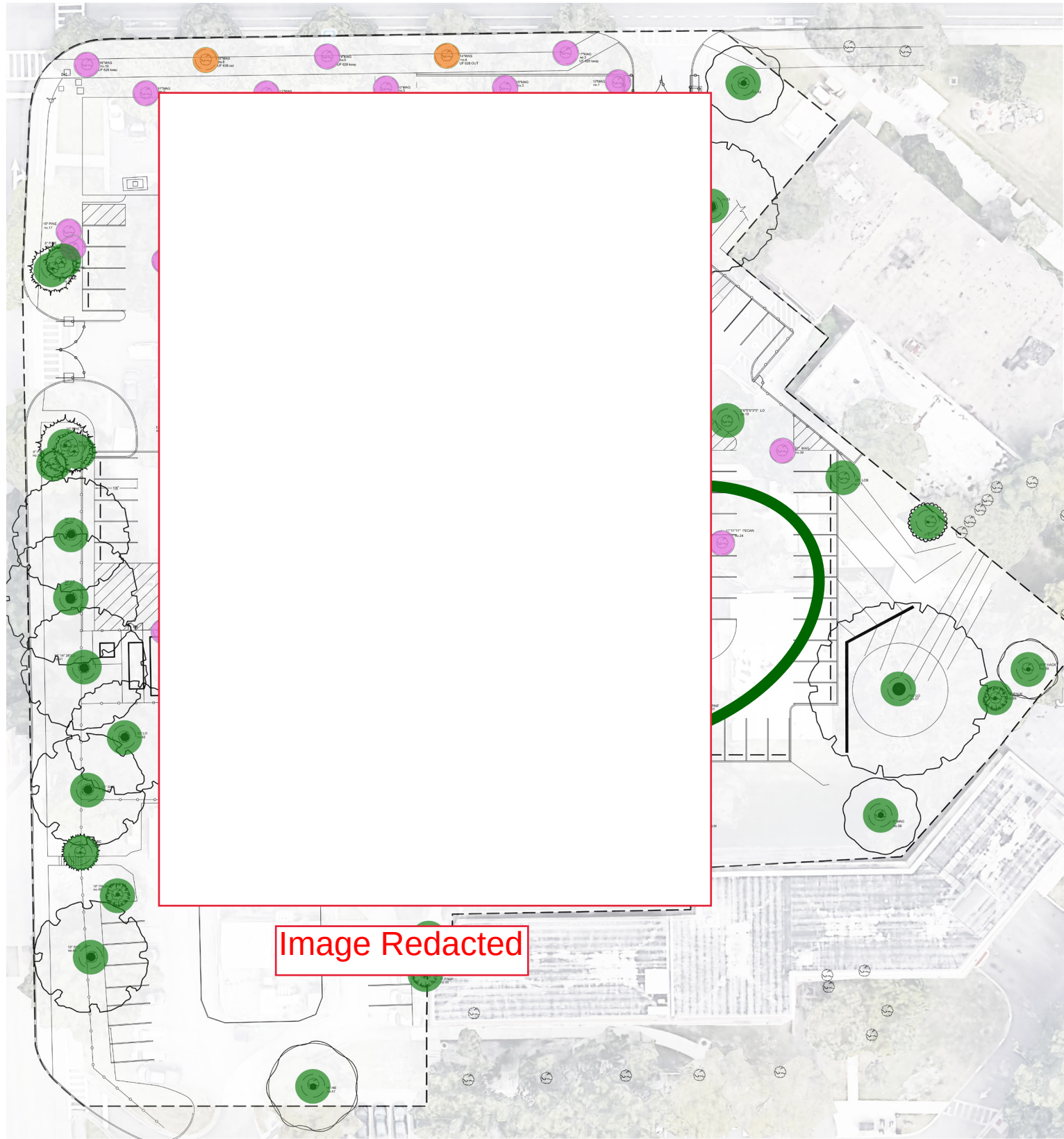


PINUS ELLIOTTII - 15" DBH, 9" DBH
PARKING AND UTILITY IMPACT





QUERCUS VIRGINIANA - 27" CALIPER
UTILITY IMPACT

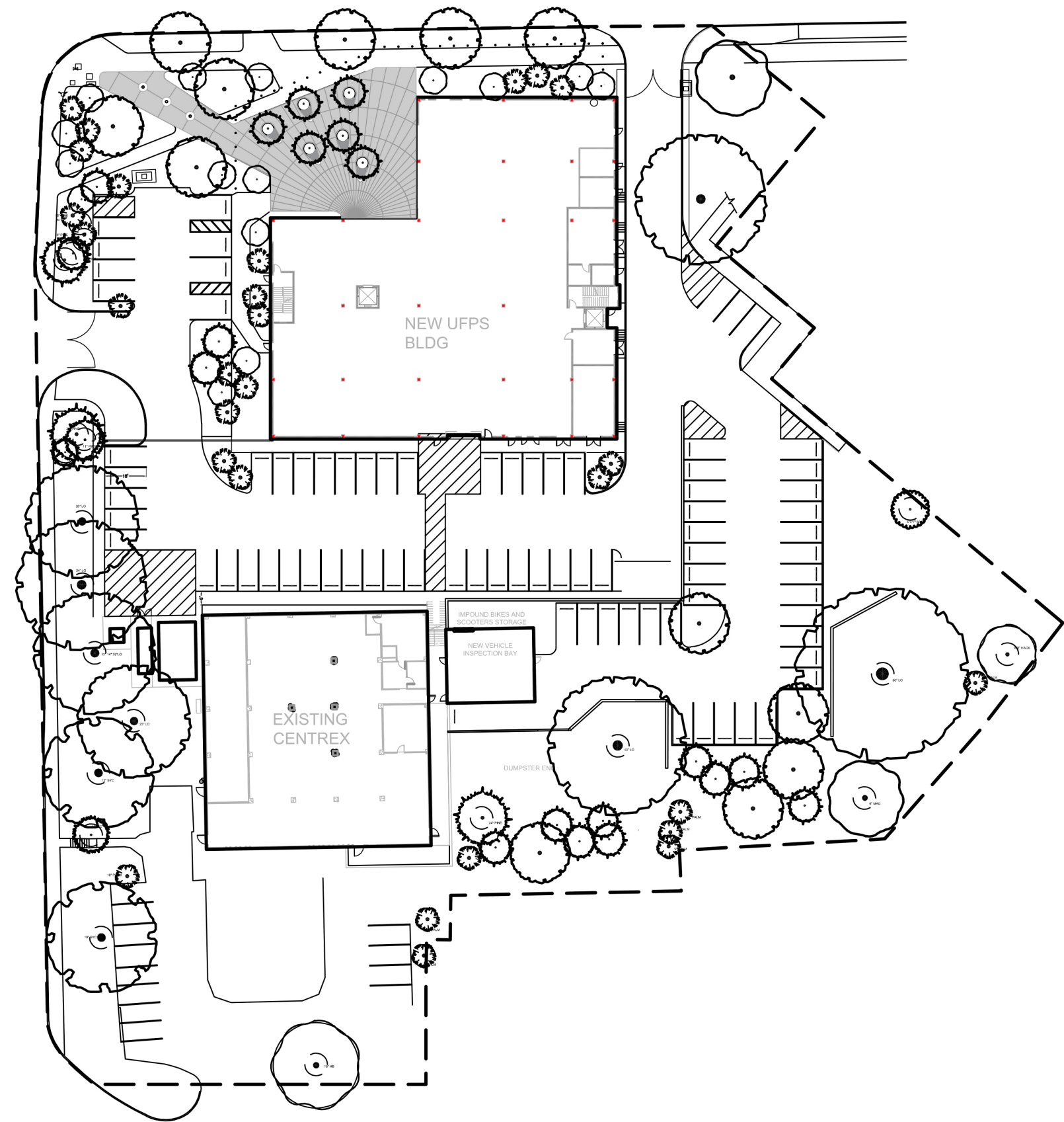


QUERCUS LAURIFOLIA 19" AND 11" CALIPER



JUNIPERUS SILICICOLA - 15" CALIPER

planting schedule



CONCEPT PLANT SCHEDULE

	LARGE TREES CARYA GLABRA / PIGNUT HICKORY PLATANUS OCCIDENTALIS / AMERICAN SYCAMORE QUERCUS VIRGINIANA / SOUTHERN LIVE OAK ULMUS ALATA / WINGED ELM ULMUS PARVIFOLIA 'BOSQUE' / BOSQUE ELM	12
	UNDERSTORY TREE CERCIS CANADENSIS 'FOREST PANSY' TM / FOREST PANSY REDBUD CHIONANTHUS RETUSUS / CHINESE FRINGE TREE ILEX CASSINE / DAHOON HOLLY ILEX VOMITORIA / YAUPON HOLLY VIBURNUM OBOVATUM / WALTER'S VIBURNUM	15
	CONIFER TREE PINUS ELLIOTTI / SLASH PINE TAXODIUM DISTICHUM / BALD CYPRESS	18
	PALMS SABAL PALMETTO / CABBAGE PALM	20
TOTAL 65 TREES		

MITIGATION COST FOR ALL REMOVALS -	\$28,000
CREDIT FOR NEW TREE PLANTING (65 X \$250)	\$16,250
REQUIRED MITIGATION FEE -	\$11,750

\$250 TREE MITIGATION EQUIVALENT 2" CAL. TREE

PROPOSED REPLACEMENT TREE SCHEDULE EQUIVALENT:
4" CALIPER TREE - \$600
6" CALIPER TREE - \$1000

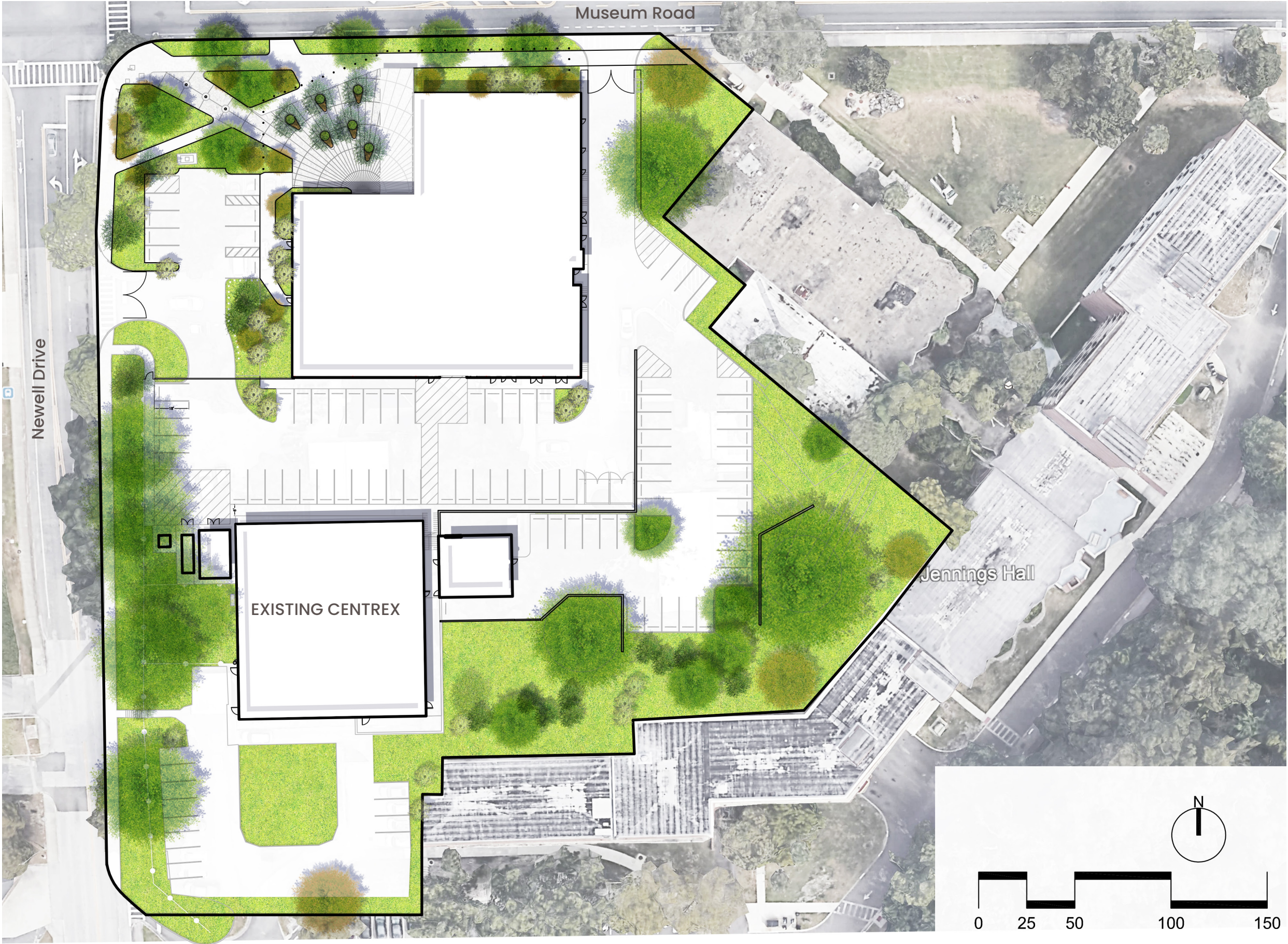
FINAL MITIGATION FEE WILL BE DETERMINED AFTER DESIGN DEVELOPMENT

historic core plant palette

LARGE TREES

BOTANICAL NAME COMMON NAME	LIGHT	SOIL MOISTURE	NATIVE
Acer rubrum Red Maple			
Carya glabra Pignut Hickory			
Magnolia grandiflora Southern Magnolia			
Pinus glabra Spruce Pine			
Pinus palustris Longleaf Pine			
Quercus michauxii Chestnut Oak			
Quercus shumardii Shumard Oak			
Quercus virginiana Live Oak			
Taxodium distichum Bald Cypress			
Ulmus alata Winged Elm			
Ulmus parvifolia Chinese Elm			

proposed site plan



UF-373

FLMNH - Special Collections Building

ASD Phase

Lakes, Vegetation and Landscaping
Committee [LVLC]

May 14, 2020

Planning, Design & Construction: Jim Vignola, PM

Architect: The HASKELL Company

Civil Engineering Consultant: JBrown Professional Group Inc.

UF-373
FLMNH - Special Collections Building

- Background / Scope / Location / Description
- Tree Impacts
- Current Status
- Committee Approval/Recommendation

UF-373
FLMNH - Special Collections Building

- Background:
 - Previously Presented at PROGRAM Phase in MAY 2019
- Scope:
 - 2 Stories w/Rooftop Mechanical
 - +/-29,000 GSF
 - 1/3 Office/Lab, 2/3 Compact Storage (Wet Collections)

Location

AERIAL VIEW OF GREENFIELD SITE



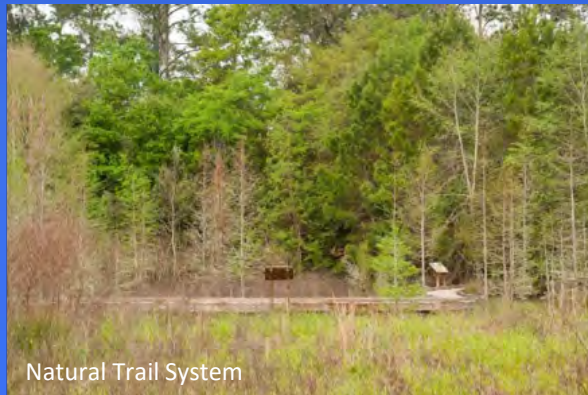
Description

- Landscape | Basis of Design

- Existing Longleaf Pines are to be preserved to the greatest extent possible.
- The access to the NATL trail system will be enhanced through a landscape installation of a Upland Pine ecosystem primarily Longleaf Pine trees and understory of native grasses.
- The installed landscape will blend naturally with the existing ecosystems.
- The access path will offer a reflection of the natural ecosystem celebrated through native plantings, artful installations, educational signage and seating. The access pathway will serve as a gateway to the NATL trail system.



Longleaf Pines with native grasses



Natural Trail System

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FLMNH - Special Collections Building

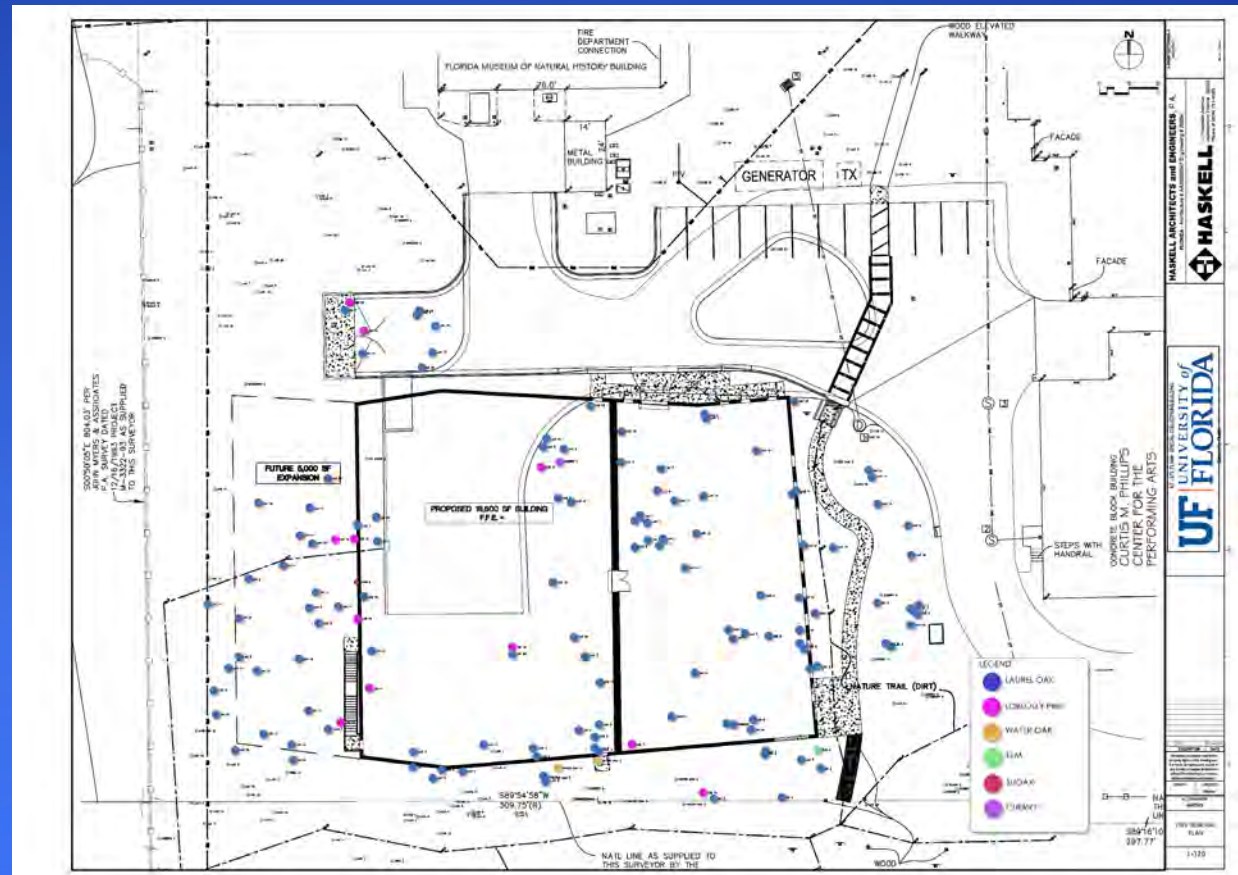
- Tree Impacts

TREE REMOVAL

Regulated Trees to be Removed:

- (117) Laurel Oaks
- (11) Loblolly Pine
- (2) Water Oak
- (1) Elm
- (1) Sugar
- (1) Cherry

(133) TOTAL



TREE MITIGATION

Type	Suggested Species	Size
Canopy	Live Oak	100 Gal
Evergreen	Eastern Red Cedar	65 Gal
Pine Trees	Longleaf Pine	30 Gal

Tree Mitigation Totals

Regulated Trees to be Removed:
(133) Total Trees

Total Trees Required for 2:1
Mitigation:
(266) Total Trees

Total Trees to be Provided:
(29) Total Trees

Total Mitigation Deficit:
(237) Total Trees x \$250 = \$59,250



UF-373
FLMNH - Special Collections Building

- Current Status

Schedule

- Advanced Schematic Design: May 7, 2020
- Design Development: July 1, 2020
- Construction Documents: August 13, 2020
- Building Permit Issuance: October 16, 2020
- Construction Begins: October 19, 2020

UF-373
FLMNH - Special Collections Building

- Questions?
- Committee Approval/Recommendation



UF

UF Project 641

UF | Information Technology

Rise to Five



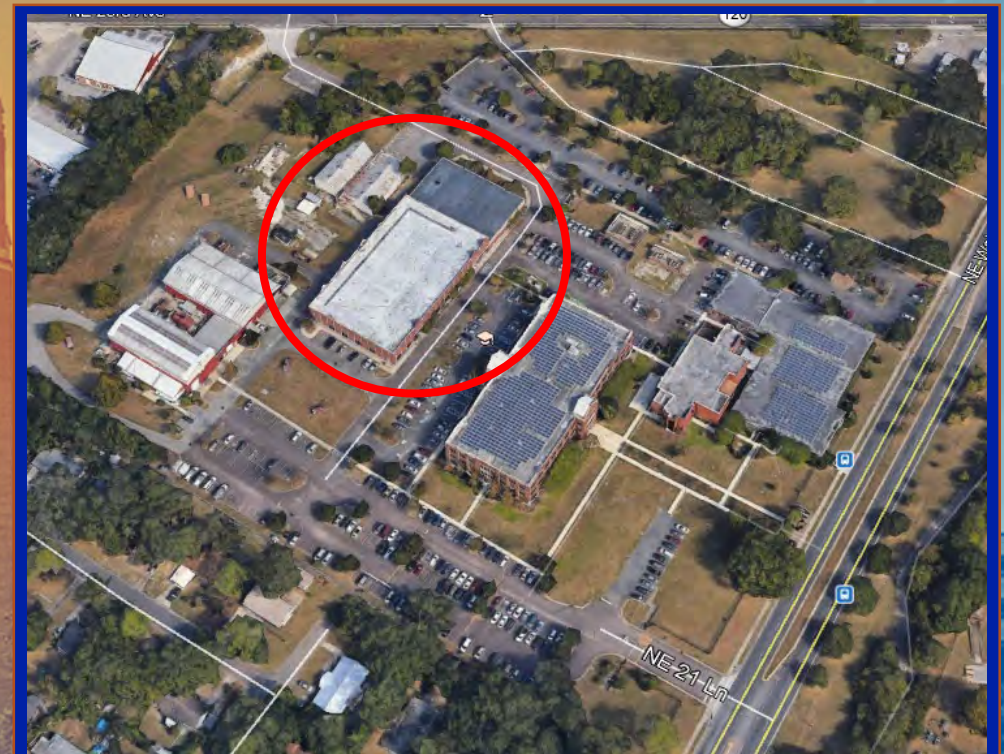
Lakes Vegetation & Landscaping Committee

May 14, 2020

UF Project 641

PROJECT LOCATION

Rise to Five



UF Project 641

PROJECT SCOPE

Rise to Five

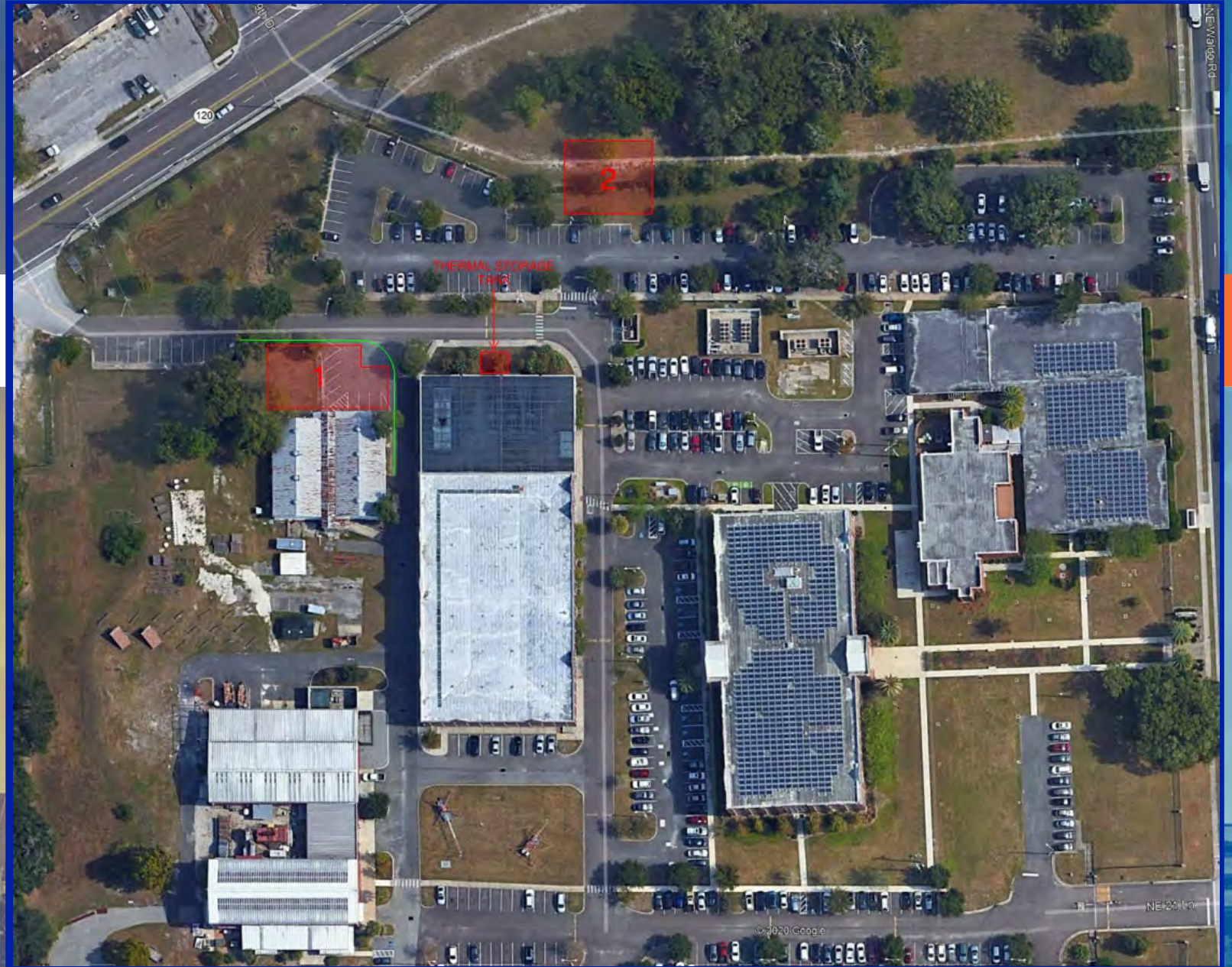
- **Add Computing Capacity to the Existing Facility**
 - Increase Electrical Capacity
 - Increase Cooling Capacity
 - Upgrade Control Systems
- **Impact on Landscaping**
 - Mechanical Yard for Equipment & Emergency Generator

UF Project 641

POTENTIAL SITES

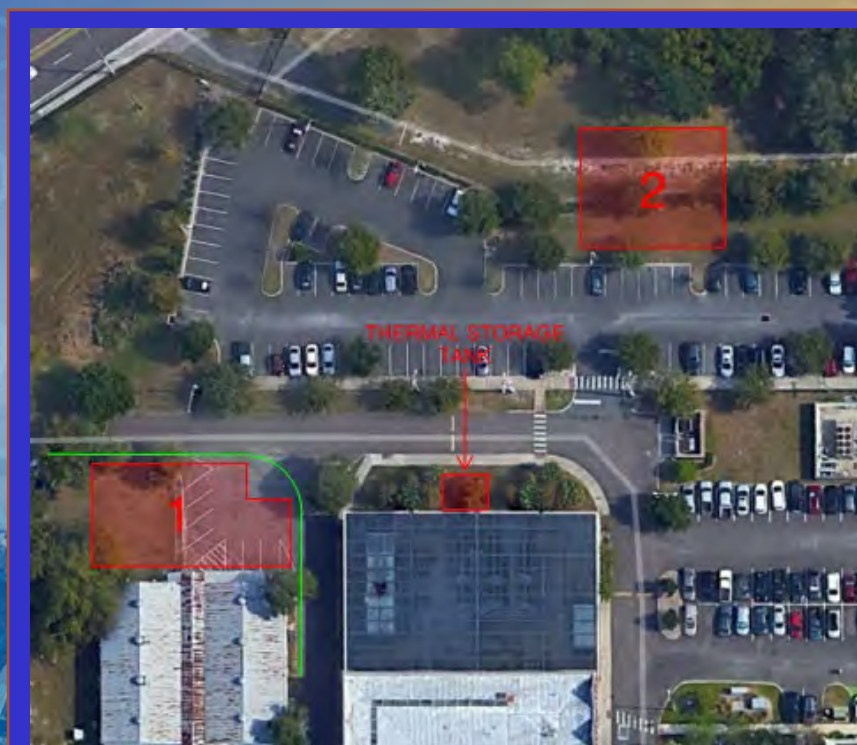
■ IMPACT

- Site 1:
- Site 2:
- Thermal Storage



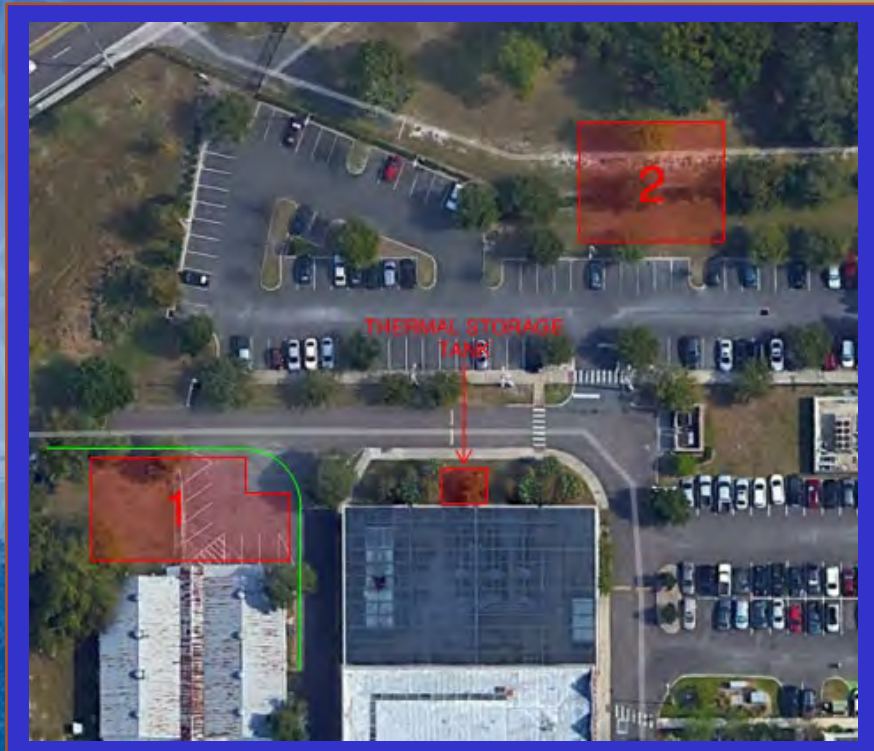
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SITE 1



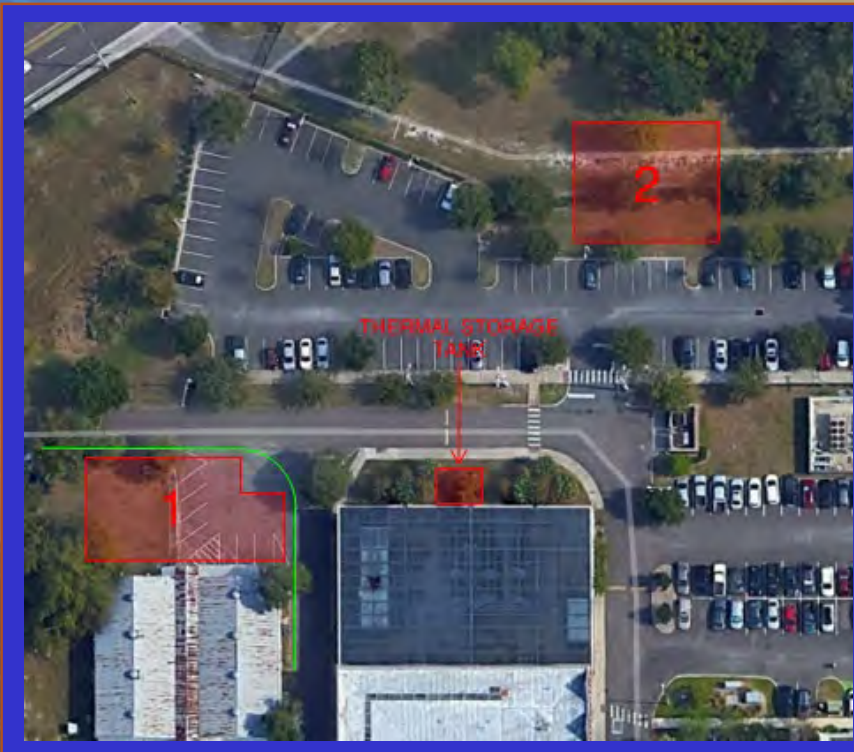
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SITE 2



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THERMAL STORAGE







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UF Information Technology

Rise to Five

Questions

