
July 3, 2025

Design Development



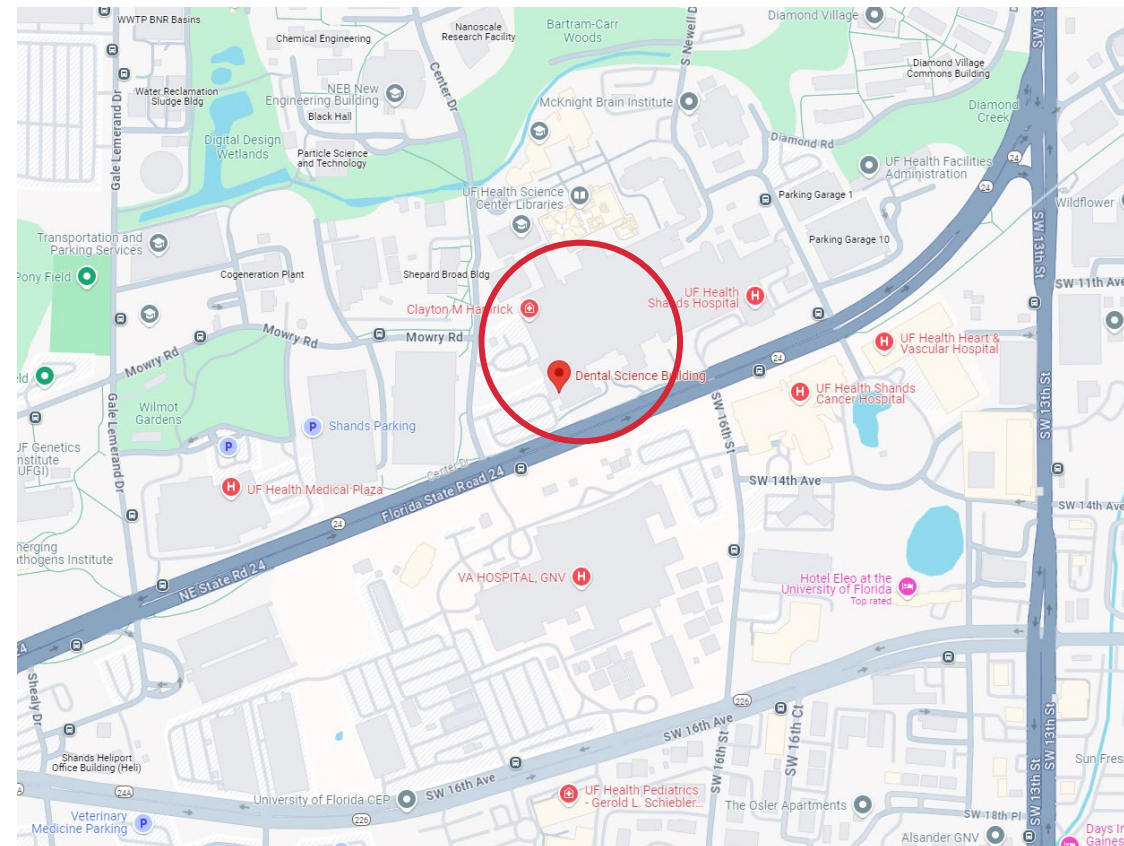
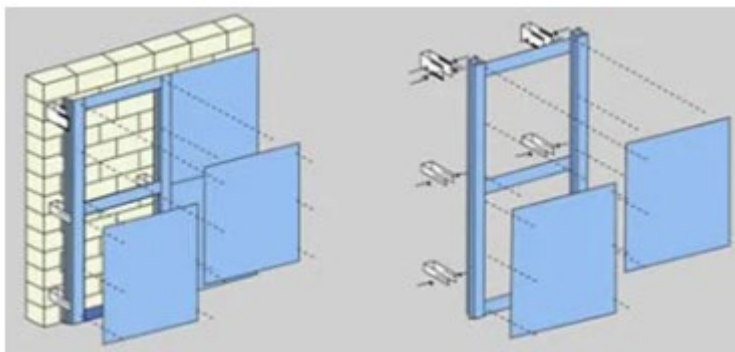
UF-318B Dental Science Building Envelope Replacement

Kate Farmer

UF-318B Dental Science Building Envelope Replacement

Project Overview

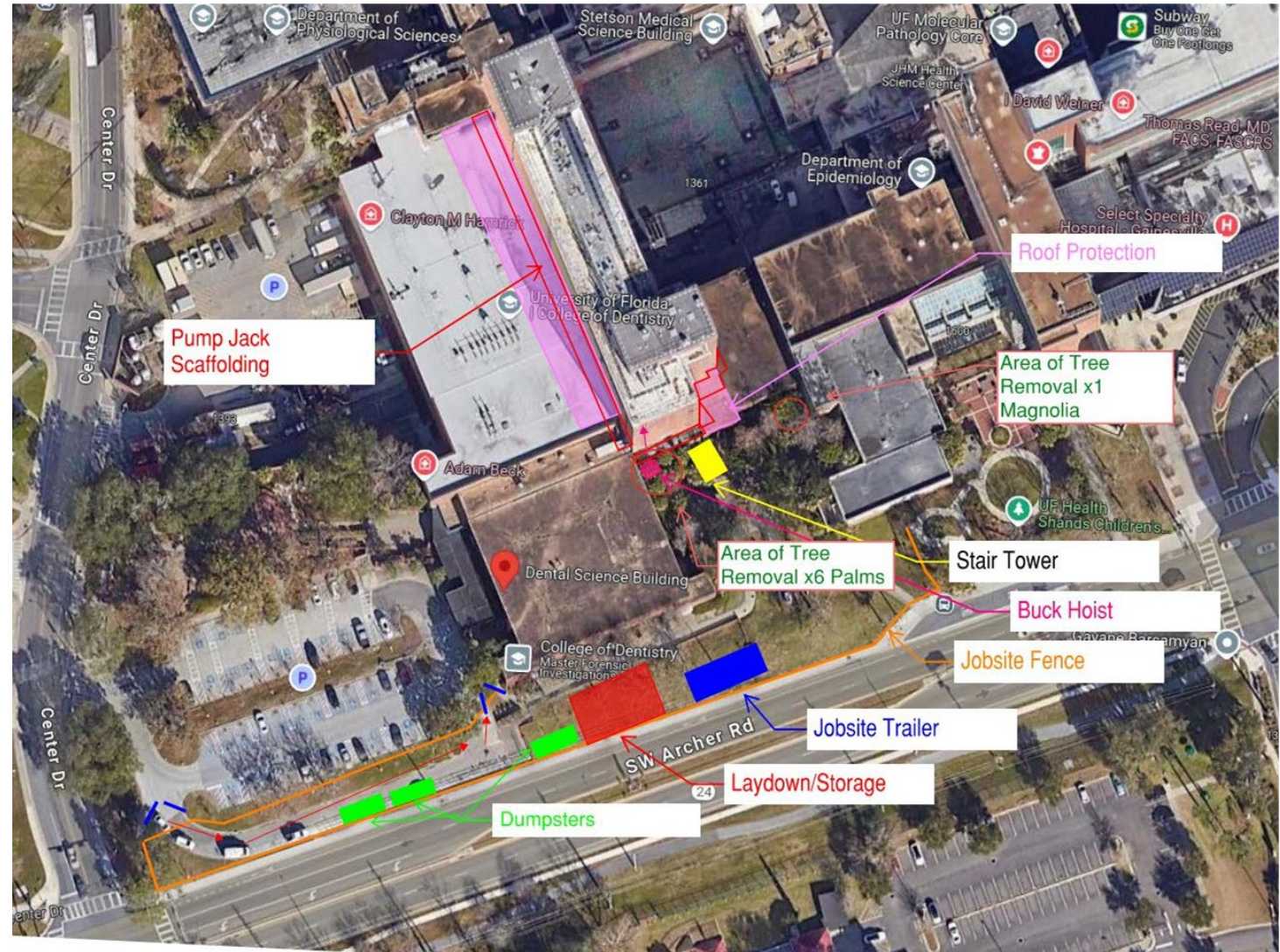
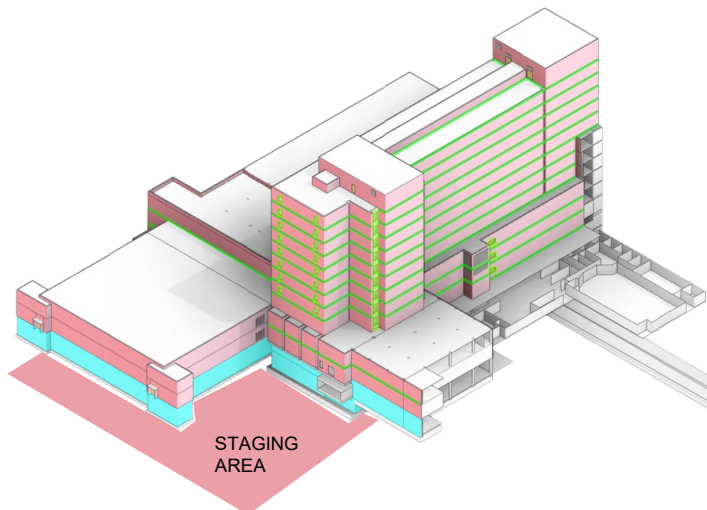
- The project is located at 1395 Center Drive
- The scope of this project is to replace all the brick on the tower with Aluminum Composite Material (ACM) panels.



UF-318B Dental Science Building Envelope Replacement

Site Overview

- Currently, the site to the south of the building along Archer Road is used for circulation of building occupants
- The project is proposing the following area for lay-down space during construction



UF-318B Dental Science Building Envelope Replacement

Existing Facade



UF-318B Dental Science Building Envelope Replacement

Proposed Facade



UF-318B Dental Science Building Envelope Replacement

Tree Removal Plan

- The project proposes 16 total trees be removed for construction staging (15 palm trees, 1 cypress). No other trees are planned to be disturbed.



UF-318B Dental Science Building Envelope Replacement

Tree Removal Plan

- The project proposes 16 total trees be removed for construction staging (15 palm trees, 1 cypress). No other trees are planned to be disturbed.
- Access to the building for removal of the brick and construction of the ACM panels will take place from scaffolding located around the perimeter of the building at grade.





UF-318B Dental Science Building Envelope Replacement

Tree Impact & Mitigation Summary

- The project will result in the removal of 16 trees.
- No trees proposed for removal are heritage trees
- We are waiting to see how many trees will be planted with UF-318's project.

TREE #	SPECIES	DBH	CONDITION
15	Palm		
1	Cypress		
NUMBER OF TREES REMOVED	16	NUMBER OF TREES PLANTED ON SITE	0
NUMBER OF HERITAGE TREES REMOVED	0	NUMBER OF TREES REQUIRING MITIGATION	16
<u>MITIGATION FEE</u>		\$8,000	



A motion to approve the project as presented.

**UF-318B Dental Science Building
Envelope Replacement**

July 3, 2025

PROGRAMMING



UF-705 – Student Housing & Disability Resource Center (DRC)

Kate Farmer

UF-705 – Student Housing & DRC

Project Overview

- The project is located on the northwest corner of Gale Lemerand Dr and Museum Rd where Graham Hall, Simpson Hall, Trusler Hall, and Graham Gallery are currently located.
- Approximately 2,200 beds will be replacing the 622 beds. The Disability Resource Center will be located on the ground floor of one of the 4 buildings. Total square footage is estimated at 679,000, Ground Floor Program for Housing is 108,000 and DRC is 10,000.
- The purpose of the project is to upgrade the housing available for first years students on campus. Housing & Residence Life (HRL) 10-year Capital Plan identified this location for the new housing.
- This site was selected for its proximity to the Reitz Union and classrooms for first year students.



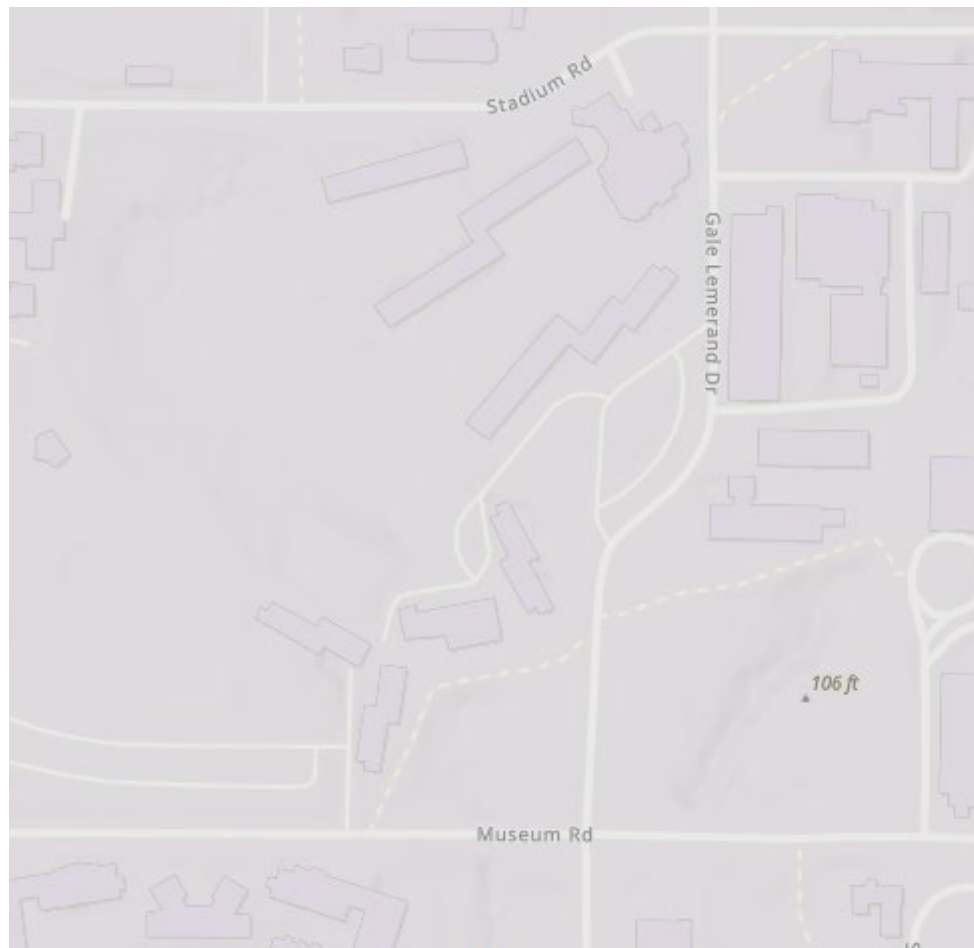
Site Overview


- The site house 622 revenue-generating beds between the 3 residence halls, the Graham Gallery, and Graham Pool.
- The site has significant grade changes from North to South.
- Graham Woods borders the site on the Northwest side and Graham Pond is located to the south of the site. Flavet Field is also on the Western portion of the site.
- The project is not within the Campus Historic District.



Site Conditions

- The current site has sidewalks that connect housing and recreation to the main campus.
- The project is not in a 100-year floodplain
- A tree study is being completed by NV5 and will be presented at a later meeting.
- A historical study is being completed by Chronicle Heritage and will be presented at a later meeting.








 Use the selector above to switch between layers in the map.

Information

Symbology

FloodZones2 - FEMA Zones-2023

-  Zone A - 1% annual chance flood hazard with no base flood elevations
-  Zone AE - 1% annual chance flood hazard with base flood elevations
-  Zone AO - 1% annual chance flood hazard with average depths determined
-  Zone X - 0.2% annual chance flood hazard (Not SFHA)
-  Zone X - outside the 0.2% annual chance flood hazard (Not SFHA)

Landscape Master Plan

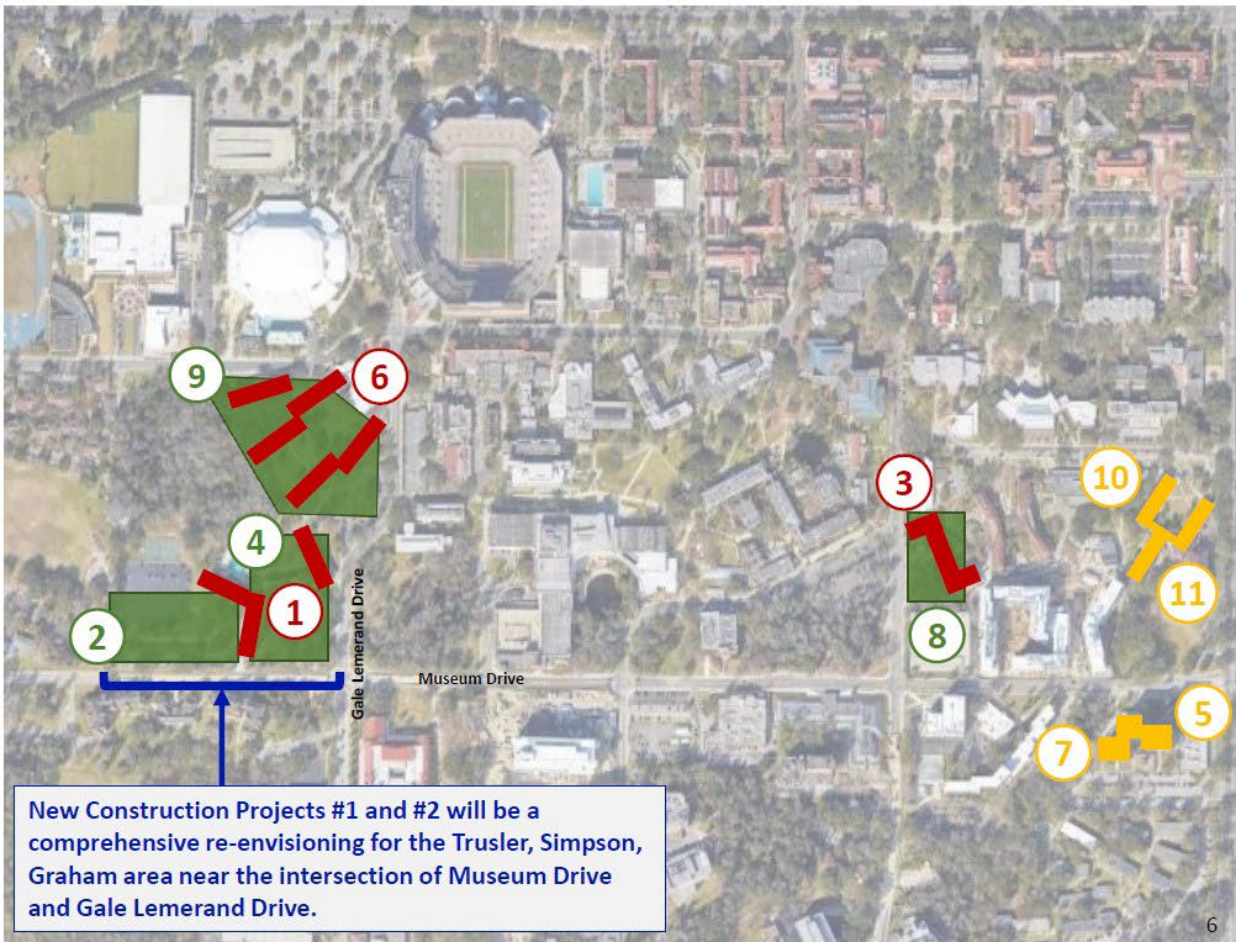
- 2019 Housing Master Plan
- Objective 1.3: To expand on-campus housing in proximity to support services and transportation corridors.
- Policy 1.3.1: Future on-campus housing facilities shall be located in proximity to student services, recreation, and academic facilities.
- CMP Amendment required to update the Housing Master Plan scope; CMP currently sites demolition of Trusler and Rawlings Halls.

I. BACKGROUND & PROJECT OVERVIEW

I.D: 10-YEAR CAPITAL PLAN (continued)

- ① Trusler/Graham/Simpson Demo (Fall 2025)
- ② New Construction #1 (Opening fall 2028)
- ③ Rawlings Demolition (Fall 2028)
- ④ New Construction #2 (Opening fall 2029)
- ⑤ Beaty East Renovation (Opening fall 2029)
- ⑥ Tolbert Area Demolition (Fall 2029)
- ⑦ Beaty West Renovation (Opening fall 2030)
- ⑧ New Construction #3 (Opening fall 2031)
- ⑨ New Construction #4 (Opening fall 2032)
- ⑩ Mallory Renovation (Opening fall 2034)
- ⑪ Yulee/Reid Renovation (Opening fall 2035)

Projects Assumed in ITN
Potential Additional ITN Projects





A motion to approve the project as presented.

**UF-705 – Student Housing &
DRC**

July 3rd, 2025



MP08959 – Jennings Creek Headwall Repair and Restoration

Milisa Williams

Project Overview

- The project is located south of Museum Road between the Jennings Hall Dormitory and the Beaty Towers Dormitory.
- The scope of this project is to replace the failed Jennings Creek headwall and address the unstable creek banks.
- The purpose of the project is to eliminate life-safety issues and protect infrastructure including the portion of Museum Road that is in danger of being undermined by the bank erosion and trees that are falling due to erosion around their roots. If left ignored the cost of repair and the danger to the public will only increase with time.



Project Overview

- The project was identified as a critical project by the Lake Alice Watershed Management Plan (LAWMP).
- The proposed design has been reviewed for consistency with the recommendations proposed in the LAWMP.
- Leaving this failing infrastructure unaddressed will continue to cause life-safety concerns and lead to extensive further damage and the associated repairs will become more costly with time.



Site Overview & Conditions

- Currently, the site is primarily used for water conveyance from the upper Yulee and Broward area down to the Lake Alice Conservation Area.
- The site can be described as a densely vegetated area largely comprised of undesirable trees under 20" in diameter. Tree species include Sugarberry, Sabal Palm, Pignut Hickory, and multiple invasive exotics. The existing headwall has separated and is currently being undermined by the natural flow of the creek. The creek bed is characterized by fallen trees and eroded side slopes.



MP08959 – Jennings Creek Headwall Repair and Restoration

Site Overview & Conditions



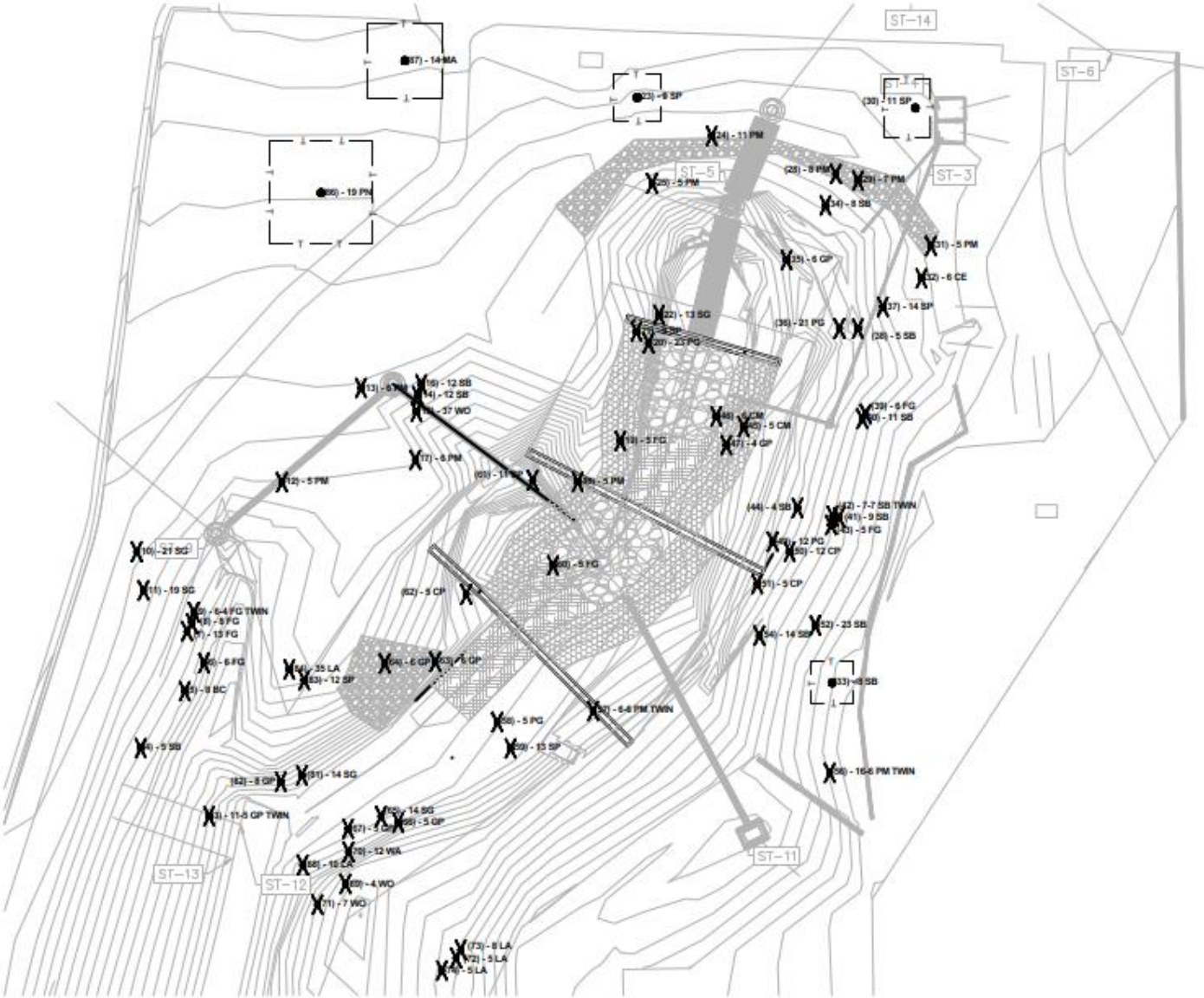
Tree Impacts

- The project will result in the removal of 69 trees, of which, only four are classified as heritage trees. A 37" Water Oak, 23" Pignut Hickory, 21" Pignut Hickory, and a 35" Laurel Oak.
- The trees to be removed are to facilitate access to the site and reconstruction of the side slopes. As shown here some have already fallen into the creek or are currently being undermined by continued erosion and bank failure.
- *A Tree Demolition Plan has been provided on the following slide for reference.*



MP08959 – Jennings Creek Headwall Repair and Restoration

Tree Removal Plan



TREE AND PLANT PROTECTION LEGEND

- NO/DBH/SP (CATEGORY)
POINT OF EXISTING TREE AND ESTIMATED CANOPY WITH SURVEY NUMBER (NO), TRUNK DIAMETER MEASURED AT BREAST HEIGHT (DBH) AND SPECIES (SP). WITH ADDITIONAL TREE CATEGORY NOTED, AS APPLICABLE PER LAND DEVELOPMENT CODE.
- X NO/DBH/SP (CATEGORY)
POINT OF TREE IDENTIFIED FOR REMOVAL WITH SURVEY NUMBER (NO), TRUNK DIAMETER MEASURED AT BREAST HEIGHT (DBH) AND SPECIES (SP). WITH ADDITIONAL TREE CATEGORY NOTED, AS APPLICABLE PER LAND DEVELOPMENT CODE.
- T —
TREE PROTECTION FENCE: PLAST MESH





MP08959 – Jennings Creek Headwall Repair and Restoration

Tree Impact Summary

- The project will result in the removal of 69 trees.
- 4 trees proposed for removal are heritage trees.
- Trees that are classified as invasive species shall not require any mitigation trees.
- Please note that due to unsafe site conditions, limited accessibility, and excessive overgrowth, our team was unable to capture photos of every individual tree. Instead, we focused on documenting several of the more significant trees present on the site. Several of these trees are either leaning or falling as a result of slope instability. Our primary objective is to manage this situation in a controlled manner to prevent property damage and improve life safety circumstances.
- *See Tree Removal Plan on pervious slide for exact locations of trees to be removed.*

NUMBER OF TREES REMOVED	69	NUMBER OF TREES PLANTED ON SITE (SUBJECT TO CHANGE)	55
NUMBER OF HERITAGE TREES REMOVED	4	NUMBER OF TREES REQUIRING MITIGATION	39
MITIGATION FEE		\$22,250 OR 98 REPLACEMENT TREES	

MP08959 – Jennings Creek Headwall Repair and Restoration

Tree Impact Summary

TOTAL TREES REMOVED Based on the University Of Florida's 'TREE MITIGATION POLICY' as per August 2019						
Tree / Survey No.	Tree Type (Common Name)	Note (Multi-stem, Nuisance, etc.)	DBH (Inches)	Heritage	Mitigation Rate (in trees to be replaced)	Cost to mitigate
3	Glossy Privet	Twin - Inasive	11 & 5	No	None	None
4	Sugarberry		5	No	2	\$500
5	Black Cherry		8	No	2	\$500
6	Flamegold	Invasive	6	No	None	None
7	Flamegold	Invasive	13	No	None	None
8	Flamegold	Invasive	8	No	None	None
9	Flamegold	Twin - Invasive	6 & 4	No	None	None
10	Sweetgum		21	No	2	\$500
11	Sweetgum		19	No	2	\$500
12	Paper Mulberry	Invasive	5	No	None	None
13	Paper Mulberry	Invasive	6	No	None	None
14	Sabal Palmetto		12	No	2	\$500
15	Water Oak		37	Yes	11	\$1,500
16	Sabal Palmetto		12	No	2	\$500
17	Paper Mulberry	Invasive	6	No	None	None
19	Flamegold	Invasive	5	No	None	None
20	Pignut Hickory		23	Yes	4	\$1,000
21	Sabal palmetto		9	No	2	\$500
22	Sweetgum		13	No	2	\$500
24	Paper Mulberry	Invasive	11	No	None	None
25	Paper Mulberry		5	No	2	\$500
28	Paper Mulberry	Invasive	8	No	None	None
29	Paper Mulberry	Invasive	7	No	None	None
31	Paper Mulberry	Invasive	5	No	None	None
32	Cedar Elm		6	No	2	\$500
34	Sugarberry		8	No	2	\$500
35	Glossy Privet	Invasive	6	No	None	None
36	Pignut Hickory		21	Yes	3	\$1,000
37	Sabal Palmetto		14	No	2	\$500
38	Sugarberry		5	No	2	\$500
39	Flamegold	Invasive	6	No	None	None

TOTAL TREES REMOVED Based on the University Of Florida's 'TREE MITIGATION POLICY' as per August 2019						
Tree / Survey No.	Tree Type (Common Name)	Note (Multi-stem, Nuisance, etc.)	DBH (Inches)	Heritage	Mitigation Rate (in trees to be replaced)	Cost to mitigate
40	Sugarberry		11	No	2	\$500
41	Sugarberry		9	No	2	\$500
42	Sugarberry	Twin	7 & 7	No	2	\$500
43	Flamegold	Invasive	5	No	None	None
44	Sugarberry		4	No	2	\$500
45	Crepe Myrtle		5	No	2	\$500
46	Crepe Myrtle		6	No	2	\$500
47	Glossy Privet	Invasive	4	No	None	None
48	Paper Mulberry	Invasive	5	No	None	None
49	Pignut Hickory		12	No	2	\$500
50	Camphor	Invasive	12	No	None	None
51	Camphor	Invasive	5	No	None	None
52	Sugarberry		23	No	2	\$500
54	Sugarberry		14	No	2	\$500
56	Paper Mulberry	Twin - Inasive	16 & 6	No	None	None
57	Paper Mulberry	Twin - Inasive	6 & 6	No	None	None
58	Pignut Hickory		5	No	2	\$500
59	Sabal Palmetto		13	No	2	\$500
60	Flamegold	Invasive	5	No	None	None
61	Sabal Palmetto		11	No	2	\$500
62	Camphor	Invasive	5	No	None	None
63	Glossy Privet	Invasive	6	No	None	None
64	Glossy Privet	Invasive	6	No	None	None
65	Sweetgum		14	No	2	\$500
66	Glossy Privet	Invasive	5	No	None	None
67	Glossy Privet	Invasive	5	No	None	None
68	Laurel Oak		10	No	2	\$500
69	Water Oak		4	No	2	\$500
70	White Ash		12	No	2	\$500
71	Water Oak		7	No	2	\$500
72	Laurel Oak		5	No	2	\$500
73	Laurel Oak		8	No	2	\$500
74	Laurel Oak		5	No	2	\$500
78	Glossy Privet	Invasive	5	No	None	None
81	Sweetgum		14	No	2	\$500
82	Glossy Privet	Invasive	8	No	None	None
83	Sabal Palmetto		12	No	2	\$500
84	Laurel Oak		35	Yes	10	\$1,250

MP08959 – Jennings Creek Headwall Repair and Restoration

Tree #1:

Sweet Gum

DBH: 21"

Heritage: NO



Tree #2:

Laurel Oak

DBH: 35"

Heritage: NO



MP08959 – Jennings Creek Headwall Repair and Restoration

Tree #3:

Pignut Hickory

DBH: 21"

Heritage: NO



Tree #4:

Pignut Hickory

DBH: 23"

Heritage: NO

MP08959 – Jennings Creek Headwall Repair and Restoration

Tree #5:
Water Oak
DBH: 37”
Heritage: NO

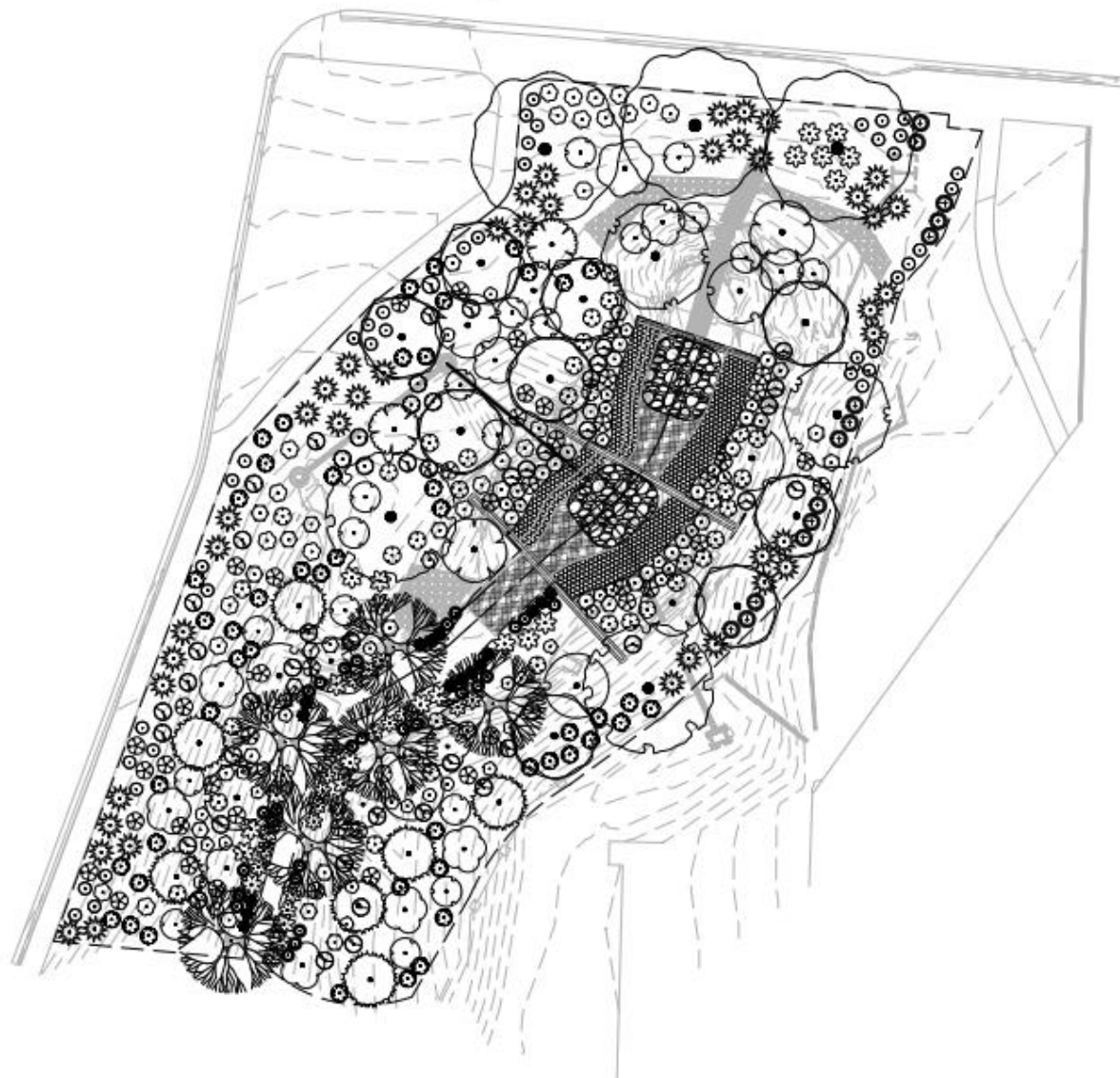


Tree #6:
Sugarberry
DBH: 23”
Heritage: NO

MP08959 – Jennings Creek Headwall Repair and Restoration













Landscape Plan

- The project is located in Precinct 1.
- The project utilizes plant species exclusively from the Landscape Master Plan plant palette, along with a supplemental palette developed by WSI. This supplemental palette includes species specifically suited to the proposed habitat types and landscape positions.
- *See Landscape Plan to the right:*



MP08959 – Jennings Creek Headwall Repair and Restoration

Planting Schedule

PLANT SCHEDULE							
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER	CAL/HT	CANOPY/UNDERSTORY	FL GRADE	QTY
TREES							
	CC	CERCIS CANADENSIS / EASTERN REDBUD	B&B	2" CAL.	UNDERSTORY	FL #1	4
	CF2	CORNUS FLORIDA / FLOWERING DOGWOOD	15 GAL. MIN.	2-IN / 7-FT (MIN.)	UNDERSTORY	FL #1	12
	FA	FRAXINUS AMERICANA / WHITE ASH	B&B	2" CAL.	CANOPY	FL #1	2
	IC	ILEX CASSINE / DAHOON HOLLY	B&B	2" CAL.	UNDERSTORY	FL #1	2
	IA	ILEX OPACA / AMERICAN HOLLY	B&B	2" CAL.	UNDERSTORY	FL #1	4
	IV	ILEX VOMITORIA / YAUPON HOLLY	15 GAL. MIN.	2-IN / 6-FT	UNDERSTORY	FL #1	2
	MG	MAGNOLIA GRANDIFLORA / SOUTHERN MAGNOLIA	B&B	2" CAL.	UNDERSTORY	FL #1	5
	PB	PERSEA BORBONIA / REDBAY	15 GAL. MIN.	2" CAL.	UNDERSTORY	FL #1	7
	PW	PRUNUS SEROTINA / BLACK CHERRY	B&B	2" CAL.	CANOPY	FL #1	6
	QM	QUERCUS MICHAUXII / SWAMP CHESTNUT OAK	B&B	2" CAL.	CANOPY	FL #1	2
	QV	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK	B&B	7-IN / 20-FT HT (MIN)	CANOPY	FL #1	3
	TD	TAXODIUM DISTICHUM / BALD CYPRESS	B&B	2-IN / 10-FT (MIN.)	CANOPY	FL #1	6

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER	SPREAD/HEIGHT	SPACING	FL GRADE	QTY
SHRUBS							
	CA	CALLICARPA AMERICANA / AMERICAN BEAUTYBERRY	3 GAL.	3-FT	AS SHOWN	FL #1	25
	CO	CEPHALANTHUS OCCIDENTALIS / BUTTONBUSH	5 GAL.	4-FT	AS SHOWN	FL #1	6
	CF	CORNUS FOEMINA / STIFF DOGWOOD	3 GAL.	2-FT	AS SHOWN	FL #1	1
	ES	ERAGROSTIS SPECTABILIS / PURPLE LOVEGRASS	1 GAL.	2-FT	AS SHOWN	FL #1	49
	EA	EUONYMUS AMERICANUS / STRAWBERRY BUSH	3 GAL.	2-FT	AS SHOWN	FL #1	45
	IP	ILLICIUM FLORIDANUM / FLORIDA ANISE	5 GAL.	3-FT	AS SHOWN	FL #1	26
	MC	MORELLA CERIFERA / WAX MYRTLE	3 GAL.	2-FT	AS SHOWN	FL #1	19
	MC2	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS	1 GAL.	1.5-FT	AS SHOWN	FL #1	40
	OR	OSMUNDA REGALIS / ROYAL FERN	3 GAL.	2-FT	AS SHOWN	FL #1	16
	PH	PERSICARIA HYDROPIPEROIDES / WATER PEPPER	3 GAL.	2-FT	AS SHOWN	FL #1	18
	PN	PSYCHOTRIA NERVOSA / WILD COFFEE	3 GAL.	2-FT	AS SHOWN	FL #1	41
	RH	RHAPIDOPHYLLUM HYSTRIX / NEEDLE PALM	5 GAL.	3-FT	AS SHOWN	FL #1	42
	SB	SPARTINA BAKERI / SAND CORDGRASS	3 GAL.	2-FT	AS SHOWN	FL #1	27
	TF	TRIPSACUM DACTYLOIDES / FAKAHATCHEE GRASS	3 GAL.	2-FT	AS SHOWN	FL #1	14
	VH	VACCINIUM CORYMBOSUM / HIGHBUSH BLUEBERRY	3 GAL.	2-FT	AS SHOWN	FL #1	43
	VR	VIBURNUM RUFIDULUM / SOUTHERN RUSTY BLACKHAW	3 GAL.	4-FT	AS SHOWN	FL #1	40
	XA	XIMENIA AMERICANA / TALLOW WOOD	3 GAL.	2-FT	AS SHOWN	FL #1	43



Motion to forward the project to the VP for Construction, Facilities and Real Estate with a recommendation to approve as presented.

**MP08959 – Jennings Creek Headwall
Repair and Restoration**

July 3rd, 2025

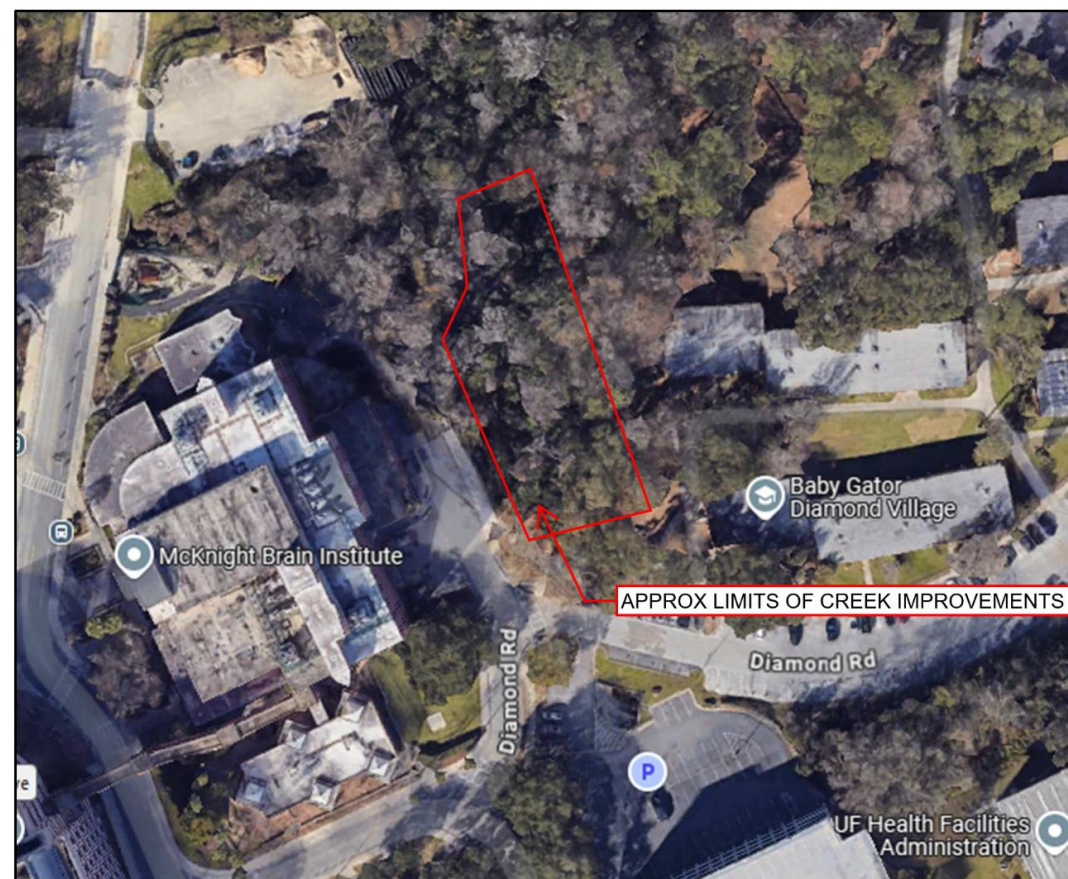


MP09458 – McKnight Inst. Creek Sediment and Erosion Control

Milisa Williams

Project Overview

- The project is located North of Diamond Road between the McKnight Brain Institute and Diamond Village.
- The scope of this project is to prevent further undermining of the McKnight Brain Institute Loading Dock sidewalk, remove sediment deposits, and stabilize the stream banks.
- The purpose of the project is to protect the life and safety of all vehicles and pedestrians that use the McKnight Loading Dock and sidewalk area that is being undermined by the bank erosion. These dangerous conditions will only continue to get worse if not rectified soon.



Project Overview

- The project was identified as a critical project by the Lake Alice Watershed Management Plan (LAWMP).
- The proposed design has been reviewed for concurrency with the recommendations proposed in the LAWMP.
- Leaving this failing infrastructure unaddressed will lead to further damage and the associated repairs will become more costly with time.



Site Overview & Conditions

- Currently, the site is primarily used for pedestrian access to the McKnight Brain Institute Loading Dock. The existing creek conveys water from the Diamond Creek into the Jennings Creek system down to the Lake Alice Conservation Area.
- The site can be described as a densely vegetated area largely comprised of trees under 20" in diameter including many invasive exotics. The trees are primarily Water Oak, Sugarberry, Privet, Sabal Palmetto, and other species of invasives.
- The existing creek channel has diverted and is undercutting a section of sidewalk due to accumulated sediments in the old creek channel.



Site Overview & Conditions

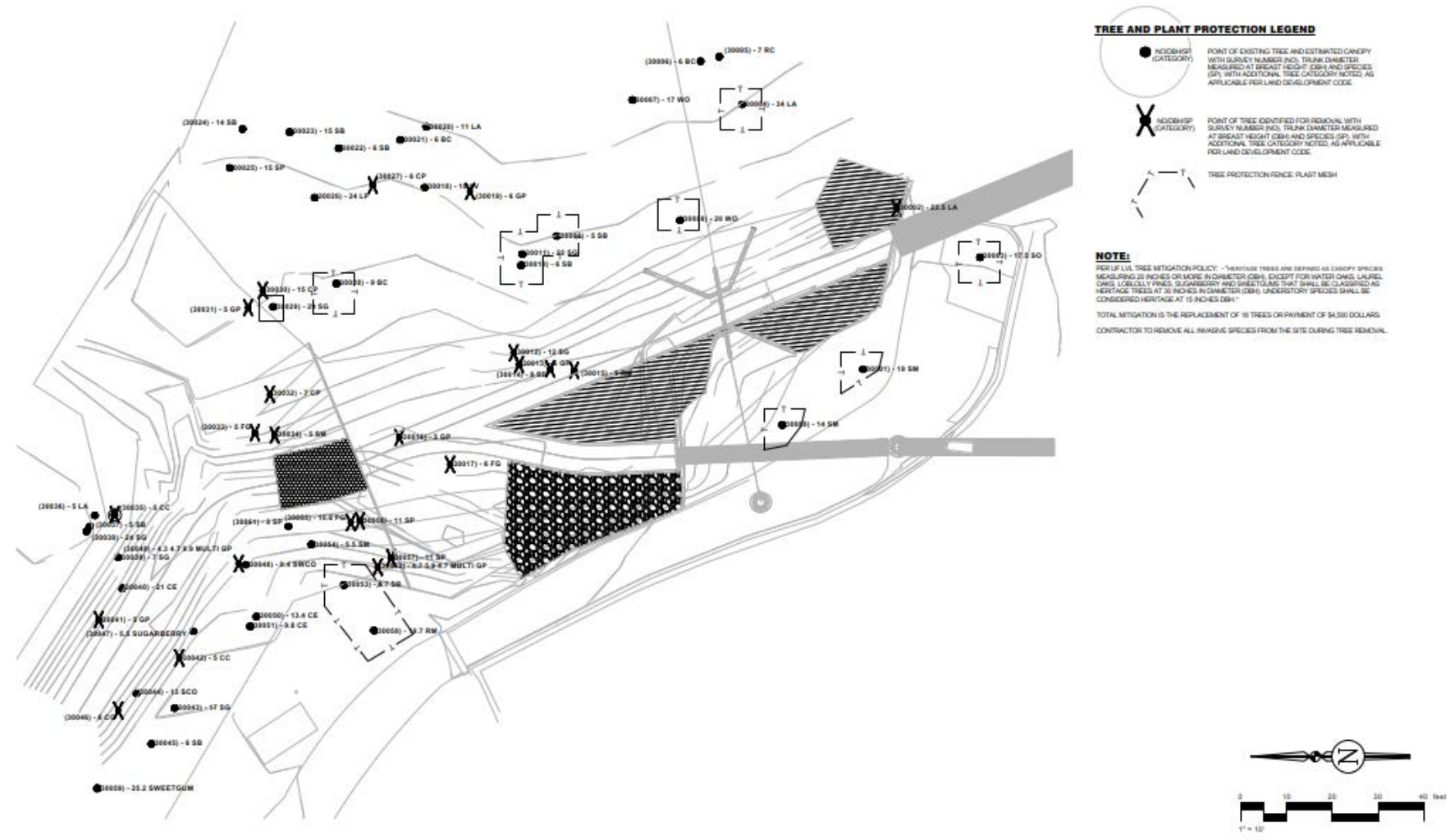
- An existing 8" gravity wastewater pipe crosses the creek and poses an obstacle during construction. It was noticed that the pipe appears to have a joint in the middle exposed above the creek.
- Sanitary sewer creek crossings present the risk of illicit discharges of raw wastewater into the creek in the event of a pipe failure due to aging materials or natural disaster.
- Proposed plan is to provide two small retaining walls to anchor the pipe in. This will also allow us to protect the joints by relocating them under ground on either end.
- An 18" steel casing will be installed around the wastewater main to provide further protection between the creek and the wastewater crossing.



Tree Impacts

- The project will result in the removal of 25 trees, of which, one is above 20". The largest is a 23.5" Laurel Oak.
- Of the trees to be removed, the majority are 10" or under. These are needed to be removed to regrade and stabilize the banks and center of the creek. No trees to be removed are considered Heritage Trees.
- *A Tree Demolition Plan has been provided on the following slide for reference.*







MP09458 – McKnight Institute Creek Sediment and Erosion Control

Tree Impact Summary

- Example: The project will result in the removal of 25 trees.
- Example: No trees proposed for removal are heritage trees.
- Trees that are classified as invasive species shall not require any mitigation trees.
- Please note that due to unsafe site conditions, limited accessibility, and excessive overgrowth, our team was unable to capture photos of every individual tree. Instead, we focused on documenting several of the more significant trees present on the site. Many of these trees are either leaning or falling as a result of slope instability. Our primary objective is to manage this situation in a controlled manner to prevent property damage and improve life safety circumstances.
- *See Tree Removal Plan on pervious slide for exact locations of trees to be removed.*

NUMBER OF TREES REMOVED	25	NUMBER OF TREES PLANTED ON SITE (SUBJECT TO CHANGE)	22
NUMBER OF HERITAGE TREES REMOVED	0	NUMBER OF TREES REQUIRING MITIGATION	11
MITIGATION FEE		\$6,000 OR 22 REPLACEMENT TREES	

TOTAL TREES REMOVED						
Based on the University Of Florida's 'TREE MITIGATION POLICY' as per August 2019						
Tree / Survey No.	Tree Type (Common Name)	Note (Multi-stem, Nuisance, etc.)	DBH (Inches)	Heritage	Mitigation Rate (in trees to be replaced)	Cost to Mitigate
30002	Laurel Oak		23.5	No	2	\$500
30012	Sweetgum		12	No	2	\$500
30013	Glossy Privet	Invasive	6	No	None	None
30014	Sugarberry		8	No	2	\$500
30015	Red Maple		9	No	2	\$500
30016	Glossy Privet	Invasive	5	No	None	None
30017	Flamegold	Invasive	6	No	None	None
30019	Glossy Privet	Invasive	6	No	None	None
30027	Camphor	Invasive	6	No	None	None
30030	Camphor	Invasive	15	No	None	None
30031	Glossy Privet	Invasive	5	No	None	None
30032	Camphor	Invasive	7	No	None	None
30033	Flamegold	Invasive	5	No	None	None
30034	Schumard Oak		5	No	2	\$500
30035	Carolina Cherry		5	No	2	\$500
30041	Glossy Privet	Invasive	5	No	None	None
30042	Carolina Cherry		5	No	2	\$500
30046	Carolina Cherry		6	No	2	\$500
30049	Glossy Privet	invasive	4.3 & 4.7 & 9.9	No	None	None
30050	Cedar Elm		13	No	2	\$500
30052	Glossy Privet	Multi-trunked/invasive	4.7 & 5.9 & 4.7	No	None	None
30054	Shumard Oak		5.5	No	2	\$500
30055	Flamegold	Invasive	10.6	No	None	None
30056	Sabal Palmetto		11	No	2	\$500
30057	Sabal Palmetto		11	No	2	\$500
			Total Replacement Trees:		22 Trees or	\$6,000

MP09458 – McKnight Institute Creek Sediment and Erosion Control

Tree #1:
 Sabal Palmetto
 DBH: 11"
 Heritage: NO



Tree #2:
 Cedar Elm
 DBH: 13"
 Heritage: NO

MP09458 – McKnight Institute Creek Sediment and Erosion Control

Tree #3:
Sweetgum
DBH: 12"
Heritage: NO



Tree #4:
Schumard Oak
DBH: 18"
Heritage: NO



Tree #5:

Sabal Palmetto

DBH: 11"

Heritage: NO



MP09458 – McKnight Institute Creek Sediment and Erosion Control

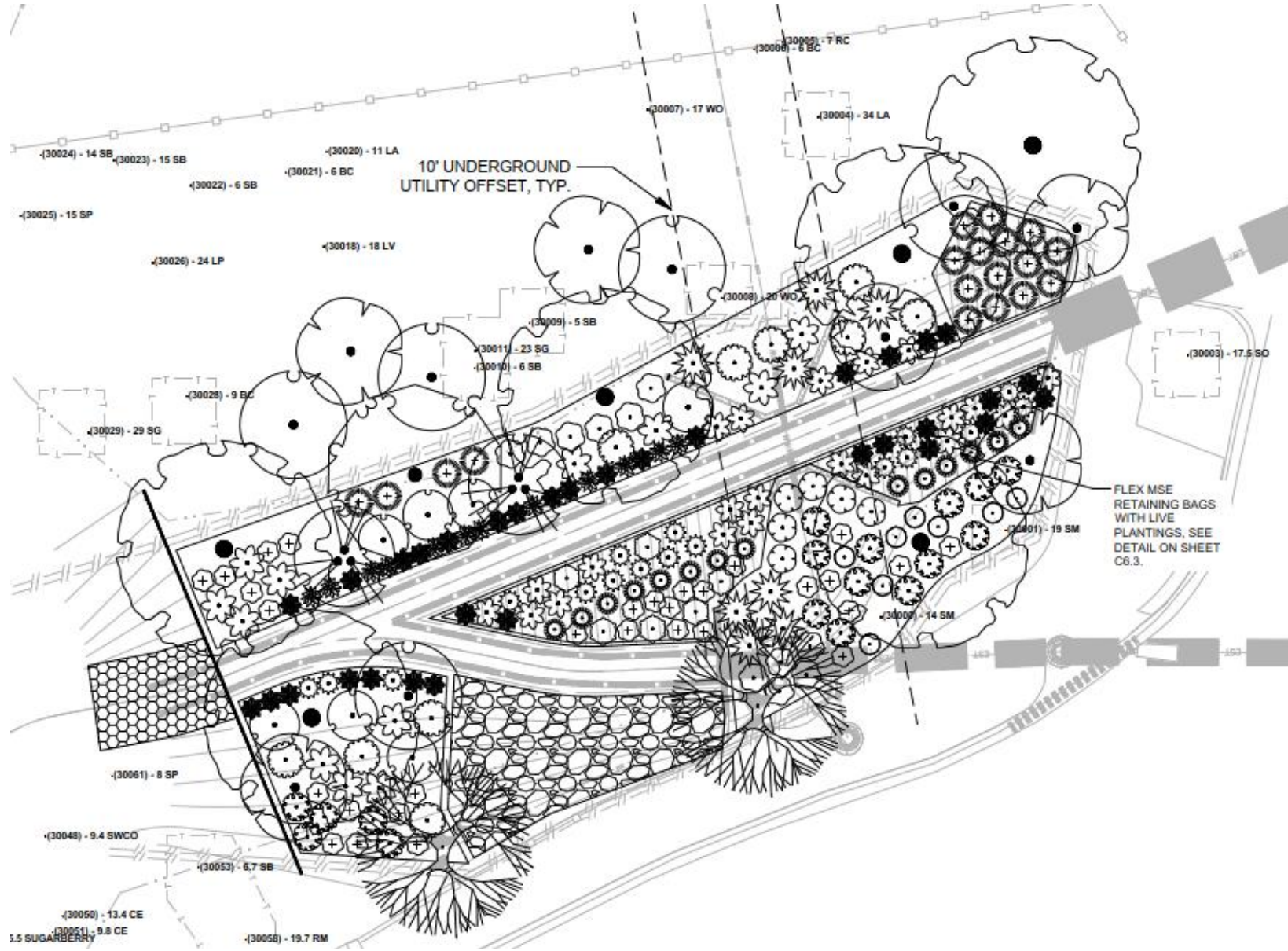
Landscape Plan

- The project is located in Precinct 1.
- The project utilizes plant species exclusively from the Landscape Master Plan plant palette, along with a supplemental palette developed by WSI. This supplemental palette includes species specifically suited to wetland habitats and selected for their nutrient uptake capabilities.
- See Plant Schedule to the right:

PLANT SCHEDULE							
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER	CAL/HT	CANOPY/UNDERSTORY	FL GRADE	QTY
TREES							
	BN	BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	B&B	2" CAL.	UNDERSTORY	FL #1	2
	CC	CERCIS CANADENSIS / EASTERN REDBUD	B&B	2" CAL.	UNDERSTORY	FL #1	6
	GL	GORDONIA LASIANTHUS / LOBLOLLY BAY	B&B	2" CAL.	CANOPY	FL #1	1
	PW	PRUNUS SEROTINA / BLACK CHERRY	B&B	2" CAL.	UNDERSTORY	FL #1	5
	QM	QUERCUS MICHAUXII / SWAMP CHESTNUT OAK	B&B	2" CAL.	CANOPY	FL #1	6
	TD	TAXODIUM DISTICHUM / BALD CYPRESS	B&B	2-IN / 10-FT (MIN.)	CANOPY	FL #1	2
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER	SPREAD/HEIGHT	SPACING	FL GRADE	QTY
SHRUBS							
	CA	CALLICARPA AMERICANA / AMERICAN BEAUTYBERRY	3 GAL.	3-FT	AS SHOWN	FL #1	11
	CO	CEPHALANTHUS OCCIDENTALIS / BUTTONBUSH	3 GAL.	2-FT	AS SHOWN	FL #1	6
	CL	CHASMANTHIUM LAXUM / SLENDER WOODOATS	1 GAL.	6-IN	AS SHOWN	FL #1	30
	CF	CORNUS FOEMINA / STIFF DOGWOOD	3 GAL.	2-FT	AS SHOWN	FL #1	10
	CA2	CRINUM AMERICANUM / SWAMP LILY	3 GAL.	2-FT	AS SHOWN	FL #1	12
	ES	ERAGROSTIS SPECTABILIS / PURPLE LOVEGRASS	1 GAL.	2-FT	AS SHOWN	FL #1	17
	IP	ILICIUM FLORIDANUM / FLORIDA ANISE	5 GAL.	3-FT	AS SHOWN	FL #1	12
	MC	MORELLA CERIFERA / WAX MYRTLE	3 GAL.	2-FT	AS SHOWN	FL #1	7
	MC2	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS	1 GAL.	1.5-FT	AS SHOWN	FL #1	8
	OR	OSMUNDA REGALIS / ROYAL FERN	3 GAL.	2-FT	AS SHOWN	FL #1	33
	PH	PERSICARIA HYDROPIPEROIDES / WATER PEPPER	3 GAL.	2-FT	AS SHOWN	FL #1	21
	RH	RHAPIDOPHYLLUM HYSTRIX / NEEDLE PALM	5 GAL.	3-FT	AS SHOWN	FL #1	8
	SC	SAURURUS CERNUUS / LIZARD'S TAIL	3 GAL.	2-FT	AS SHOWN	FL #1	17
	SB	SPARTINA BAKERI / SAND CORDGRASS	3 GAL.	2-FT	AS SHOWN	FL #1	14
	TF	TRIPSACUM DACTYLOIDES / FAKAHATCHEE GRASS	3 GAL.	2-FT	AS SHOWN	FL #1	18
	VR	VIBURNUM RUFIDULUM / SOUTHERN RUSTY BLACKHAW	3 GAL.	4-FT	AS SHOWN	FL #1	6

MP09458 – McKnight Institute Creek Sediment and Erosion Control

Landscape Plan





Motion to forward the project to the VP for Construction, Facilities, and Real Estate with a recommendation to approve as presented.

**MP09458 – McKnight Institute Creek
Sediment and Erosion Control**

July 3rd, 2025

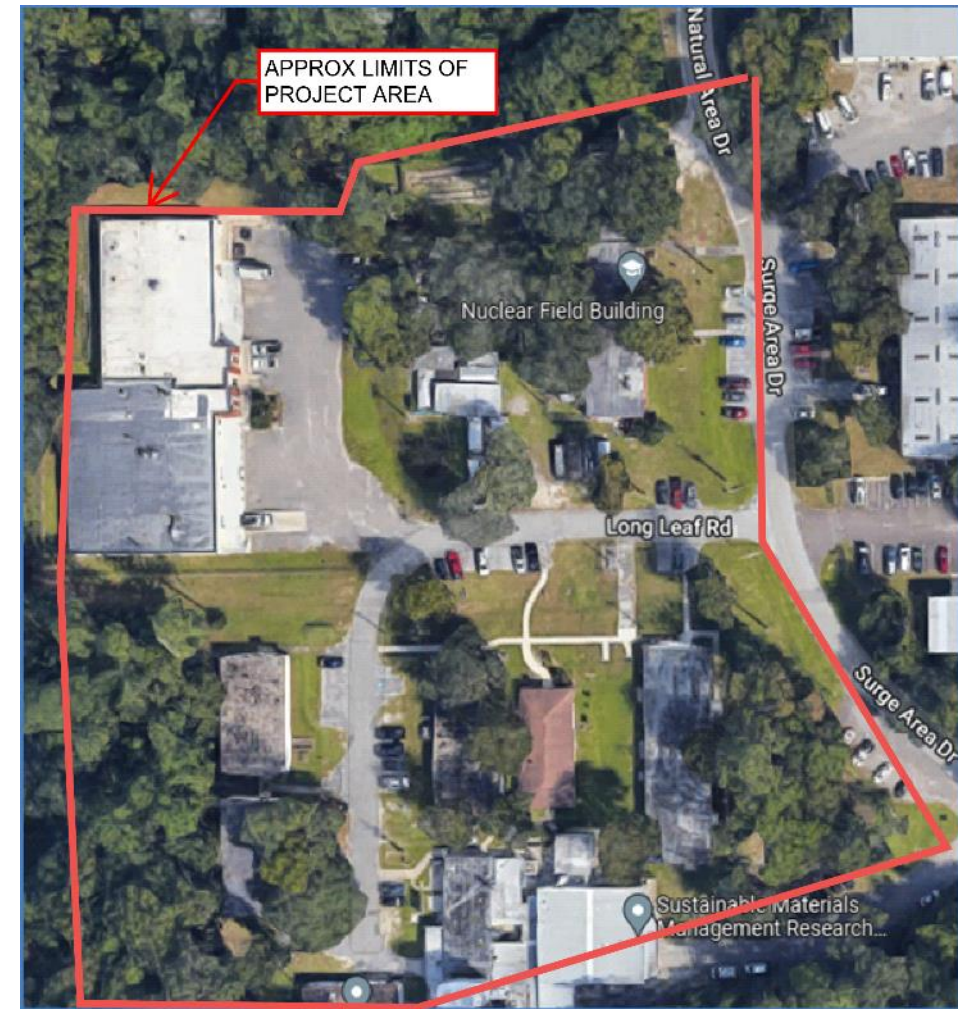


MP07942 – Health Center Surge #4 Flooding Issues

Stephen Caron

Project Overview

- The project is located east of Surge Area Drive. The scope of this project is to provide drainage improvements to reduce and prevent current flooding.
- The project designed to protect property including infrastructure and vehicles and to reduce life-safety concerns for staff and students in the Surge Area.
- The Nuclear Field Building recently underwent a major renovation project for the relocation of EH&S offices and is vulnerable to localized flooding.
- The proposed project will expand an existing stormwater basin, provide swales to convey nuisance flooding away from buildings, and construct a treatment wetland to provide water quality benefits.



Site Overview & Conditions

- The site is primarily used for University research, facilities, hazardous waste management, and as a thoroughfare to reach the Hull Road area.
- The site is a largely developed area with a high-water table that is surrounded by wetland and marsh features. The existing vegetation is largely comprised of Laurel Oaks, Pines, and Water Oaks.
- The area also consists of a large open air outdoor storage area, two major parking lots for the waste management facility and the Nuclear Field Building.
- Experiences flooding of infrastructure in current conditions.



Site Overview & Conditions

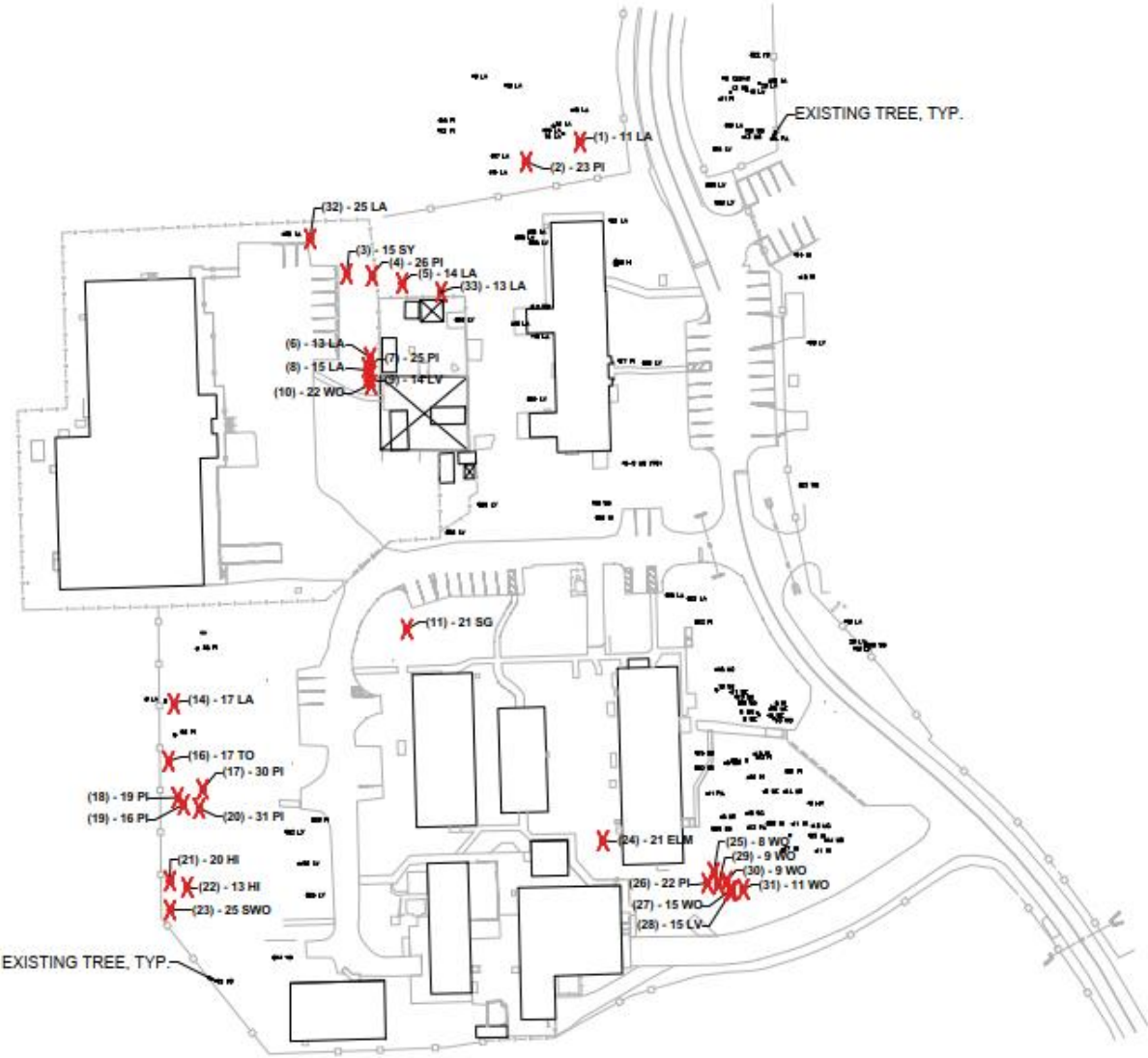
- The Surge Area was studied by WSI in a technical memo prepared for Facilities Services.
- The proposed design has been reviewed for consistency with the recommendations proposed in the technical memo.
- Leaving this flooding unaddressed will continue to cause property damage to buildings in the area, including the newly renovated Nuclear Field Building.



MP07942 – Health Center Surge #4 Flooding Issues

Tree Demolition Plan

- The project will result in the removal of 30 trees, of which, five are classified as heritage trees.
- All trees to be removed are native species. Approximately 96 other trees are marked on site to be preserved.
- These trees have been selected for removal to construct the required water quality treatment storage areas and floodwater conveyance features.
- *See Tree Removal Plan to the right:*



MP07942 – Health Center Surge #4 Flooding Issues

Tree Impact Summary

- The project will result in the removal of 30 trees..
- 5 trees proposed for removal are heritage trees.
- Trees #32 and #33 are not pictured. Tree #32 is a 25” DBH Laurel Oak and Tree #33 is a 13” DBH Laurel Oak.
- *See Tree Removal Plan on pervious slide for exact locations of trees to be removed.*

NUMBER OF TREES REMOVED	30	NUMBER OF TREES PLANTED ON SITE (SUBJECT TO CHANGE)	33
NUMBER OF HERITAGE TREES REMOVED	5	NUMBER OF TREES REQUIRING MITIGATION	ALL
MITIGATION FEE		\$22,000 OR 74 REPLACEMENT TREES	

TOTAL TREES REMOVED						
Based on the University Of Florida's 'TREE MITIGATION POLICY' as per August 2019						
Tree / Survey No.	Tree Type (Common Name)	DBH	Canopy / Understory	Heritage Tree (Per LVL Tree Mitigation Policy)	Mitigation Rate (in trees to be replaced)	Cost to Mitigate
1	Laurel Oak	11	Canopy	No	2	\$500
2	Pine	23	Canopy	No	2	\$500
3	Sycamore	15	Canopy	No	2	\$500
4	Pine	26	Canopy	No	2	\$500
5	Laurel Oak	14	Canopy	No	2	\$500
6	Laurel Oak	13	Canopy	No	2	\$500
7	Pine	25	Canopy	No	2	\$500
8	Laurel Oak	15	Canopy	No	2	\$500
9	Live Oak	14	Canopy	No	2	\$500
10	Water Oak	22	Canopy	No	2	\$500
11	Sweetgum	21	Canopy	No	2	\$500
14	Laurel Oak	17	Canopy	No	2	\$500
16	Sweetgum	17	Canopy	No	2	\$500
17	Pine	30	Canopy	Yes	7	\$3,000
18	Pine	19	Canopy	No	2	\$500
19	Pine	16	Canopy	No	2	\$500
20	Pine	31	Canopy	Yes	8	\$3,000
21	Hickory	20	Canopy	Yes	2	\$1,000
22	Hickory	13	Canopy	No	2	\$500
23	Swamp White Oak	25	Canopy	Yes	5	\$1,500
24	Elm	21	Canopy	Yes	2	\$1,000
25	Water Oak	8	Canopy	No	2	\$500
26	Pine	22	Canopy	No	2	\$500
27	Water Oak	15	Canopy	No	2	\$500
28	Live Oak	15	Canopy	No	2	\$500
29	Water Oak	9	Canopy	No	2	\$500
30	Water Oak	9	Canopy	No	2	\$500
31	Water Oak	11	Canopy	No	2	\$500
32	Laurel Oak	25	Canopy	No	2	\$500
33	Laurel Oak	13	Canopy	No	2	\$500

MP07942 – Health Center Surge #4 Flooding Issues

Tree #1:

Laurel Oak

DBH: 11"

Heritage: No

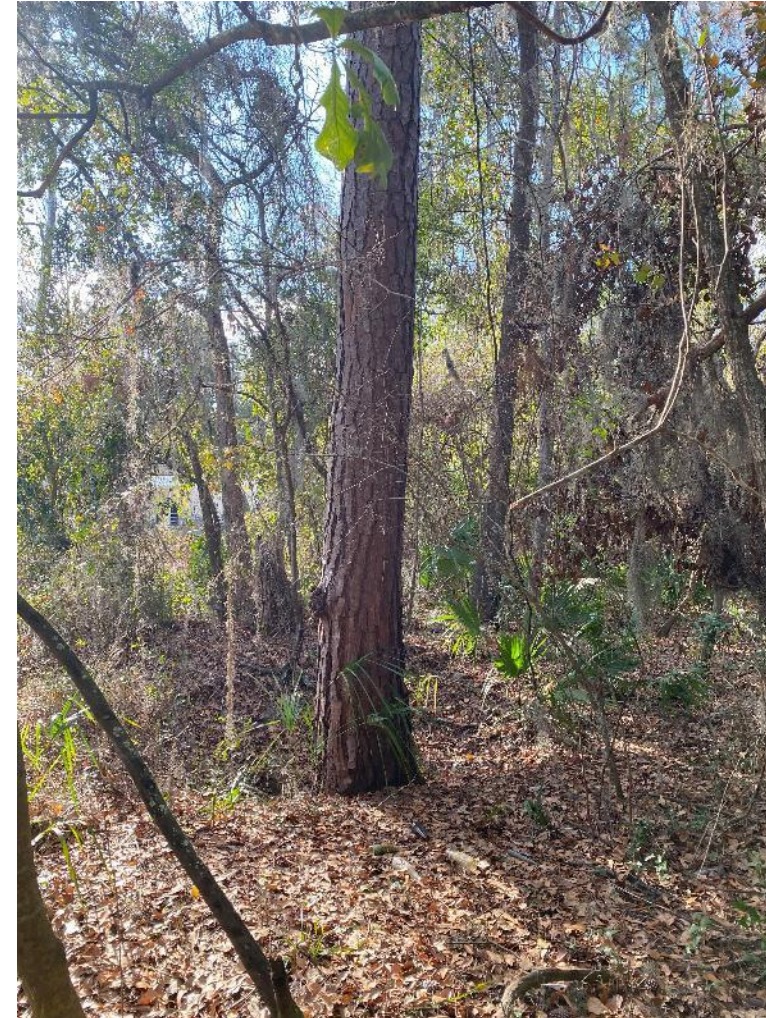


Tree #2:

Pine

DBH: 23"

Heritage: No



MP07942 – Health Center Surge #4 Flooding Issues

Tree #3:

Sycamore

DBH: 15"

Heritage: No



Tree #4:

Pine

DBH: 26"

Heritage: No



MP07942 – Health Center Surge #4 Flooding Issues

Tree #5:

Laurel Oak

DBH: 14"

Heritage: No



Tree #6:

Laurel Oak

DBH: 13"

Heritage: No

MP07942 – Health Center Surge #4 Flooding Issues

Tree #7:

Pine
DBH: 25"
Heritage: No



Tree #8:

Laurel Oak
DBH: 15"
Heritage: No

MP07942 – Health Center Surge #4 Flooding Issues

Tree #9:
Live Oak
DBH: 14”
Heritage: No



Tree #10:
Water Oak
DBH: 22”
Heritage: No

MP07942 – Health Center Surge #4 Flooding Issues

Tree #11:

Sweetgum

DBH: 21"

Heritage: No



Tree #14:

Laurel Oak

DBH: 17"

Heritage: No

MP07942 – Health Center Surge #4 Flooding Issues

Tree #16:

Sweetgum

DBH: 17"

Heritage: No



Tree #17:

Pine

DBH: 30"

Heritage: Yes



MP07942 – Health Center Surge #4 Flooding Issues

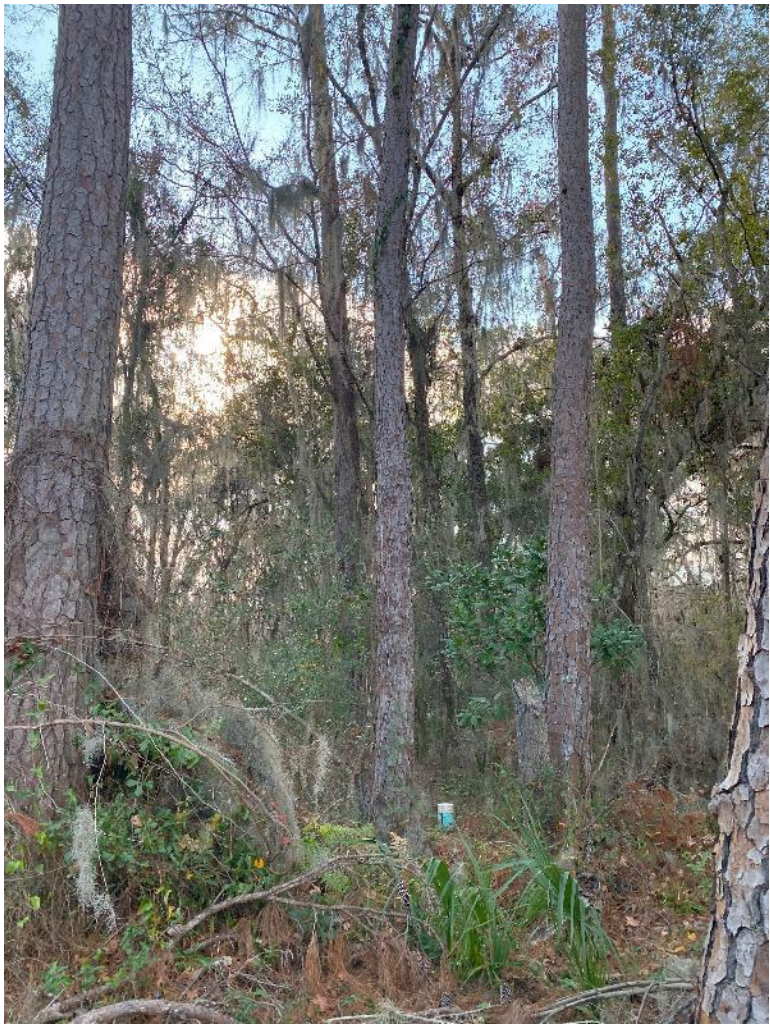
Tree #18:

Pine
 DBH: 19"
 Heritage: No



Tree #19:

Pine
 DBH: 16"
 Heritage: No



MP07942 – Health Center Surge #4 Flooding Issues

Tree #20:

Pine
DBH: 31”
Heritage: Yes



Tree #21:

Hickory
DBH: 20”
Heritage: Yes

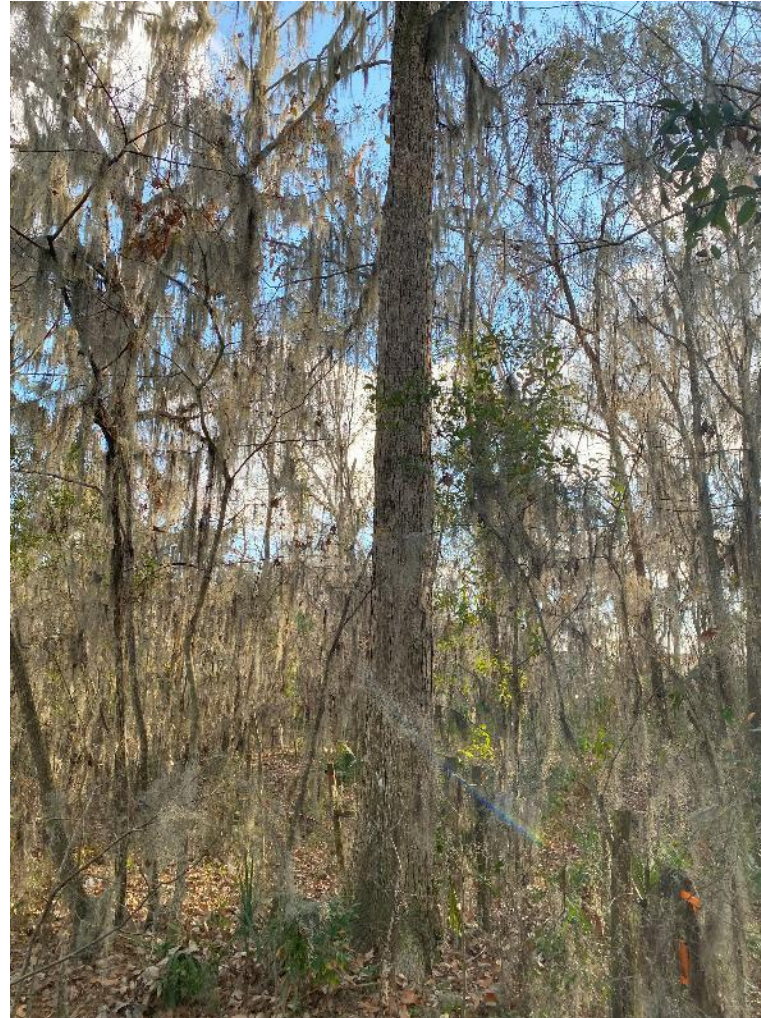
MP07942 – Health Center Surge #4 Flooding Issues



Tree #22:
Hickory
DBH: 13"
Heritage: No



Tree #23:
Swamp White Oak
DBH: 25"
Heritage: Yes



MP07942 – Health Center Surge #4 Flooding Issues

Tree #24:

Elm

DBH: 21"

Heritage: Yes



Tree #25:

Water Oak

DBH: 8"

Heritage: No

MP07942 – Health Center Surge #4 Flooding Issues

Tree #26:

Pine
DBH: 22”
Heritage: No



Tree #27:

Water Oak
DBH: 15”
Heritage: No

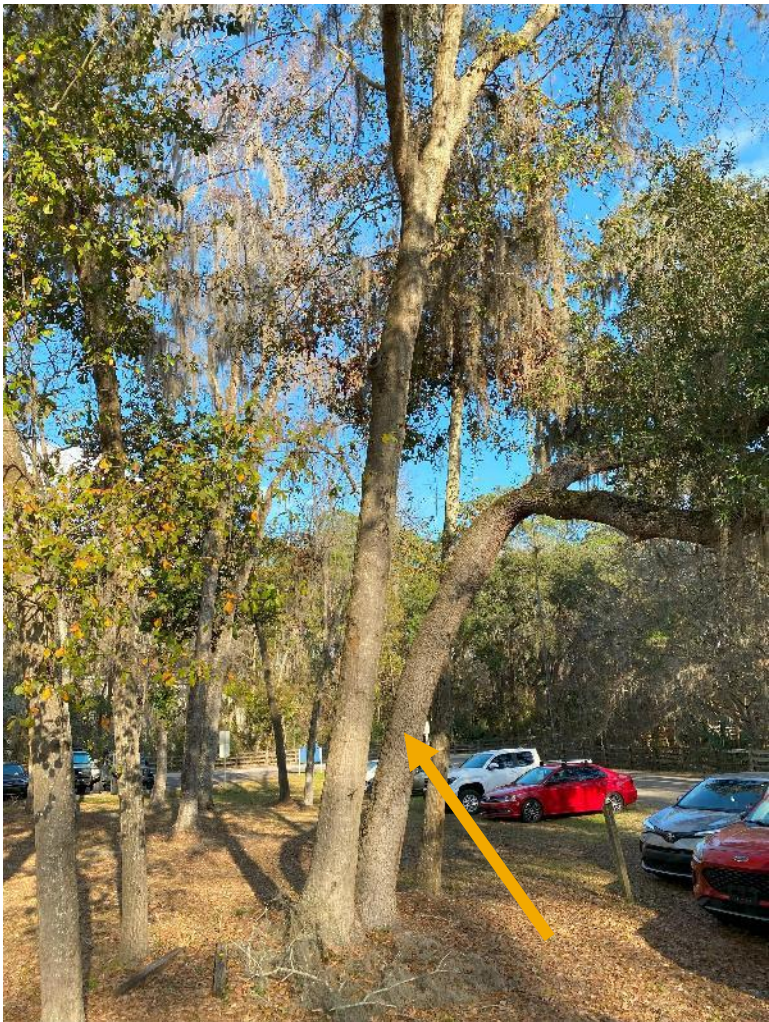
MP07942 – Health Center Surge #4 Flooding Issues

Tree #28:

Live Oak

DBH: 15"

Heritage: No



Tree #29:

Water Oak

DBH: 9"

Heritage: No



MP07942 – Health Center Surge #4 Flooding Issues

Tree #30:

Water Oak

DBH: 9"

Heritage: No



Tree #31:

Water Oak

DBH: 11"

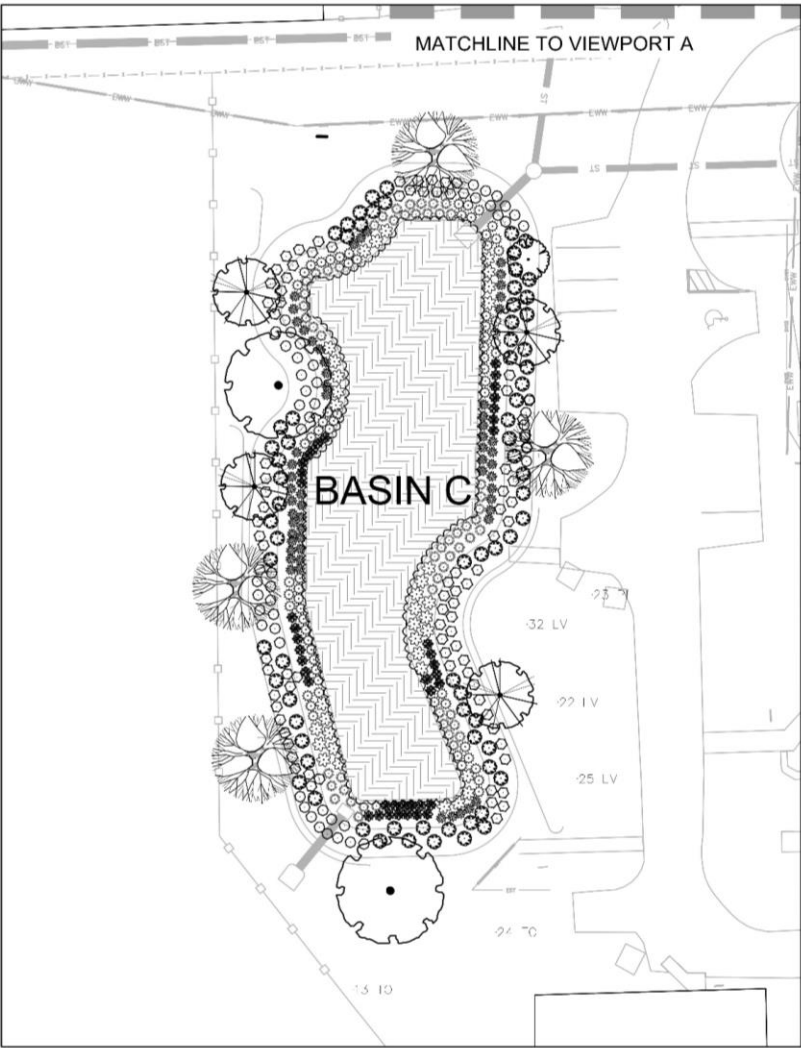
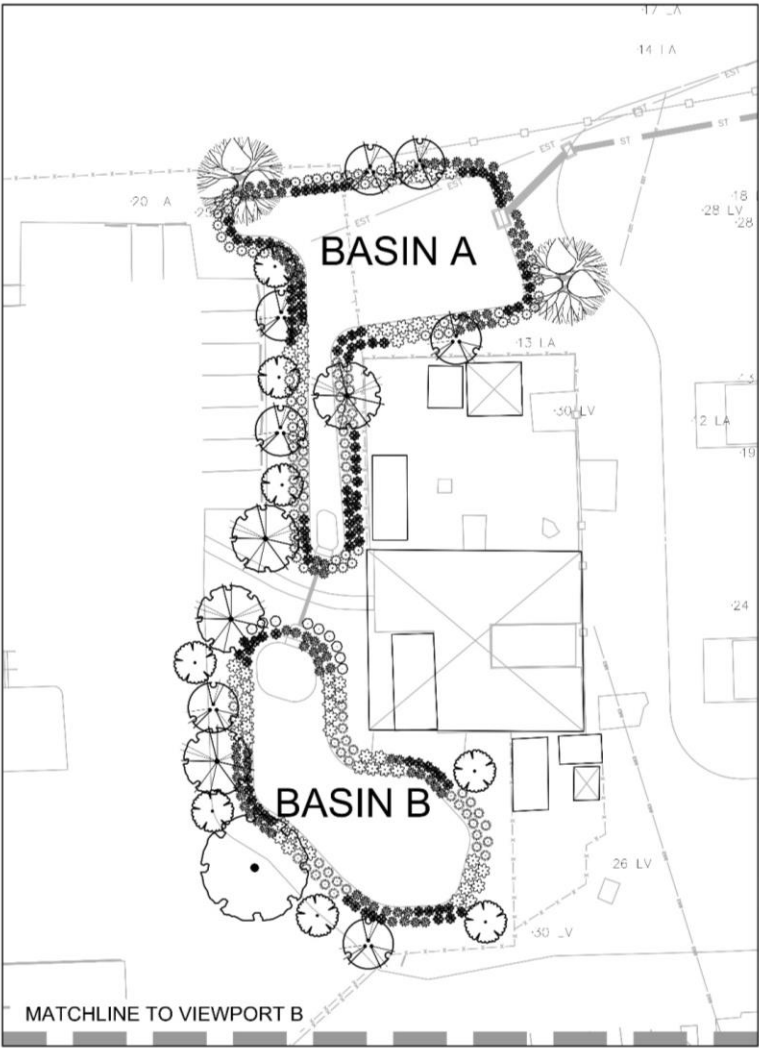
Heritage: No



MP07942 – Health Center Surge #4 Flooding Issues












Landscape Plan

- The project is located in Precinct 2.
- The project utilizes plant species exclusively from the Landscape Master Plan plant palette, along with a supplemental palette developed by WSI. This supplemental palette includes native species specifically suited to wetland habitats.
- See *Landscape Plan to the right:*



MP07942 – Health Center Surge #4 Flooding Issues

Planting Schedule

PLANT SCHEDULE							
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER	CAL/HT	CANOPY/UNDERSTORY	FL GRADE	QTY
TREES							
	AO	ACER RUBRUM 'OCTOBER GLORY' / OCTOBER GLORY RED MAPLE	B&B	2" CAL.	UNDERSTORY	FL #1	8
	BN	BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	B&B	2" CAL.	UNDERSTORY	FL #1	7
	IC	ILEX CASSINE / DAHOON HOLLY	B&B	2" CAL.	UNDERSTORY	FL #1	9
	QM	QUERCUS MICHAUXII / SWAMP CHESTNUT OAK	B&B	2" CAL.	CANOPY	FL #1	3
	TD	TAXODIUM DISTICHUM / BALD CYPRESS	B&B	2-IN / 10-FT (MIN.)	CANOPY	FL #1	6
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER	SPREAD/HEIGHT	SPACING	FL GRADE	QTY
SHRUBS							
	CA2	CRINUM AMERICANUM / SWAMP LILY	3 GAL.	2-FT	AS SHOWN	FL #1	146
	ER	EUBOTRYS RACEMOSA / COASTAL FETTERBUSH	3 GAL.	3-FT	AS SHOWN	FL #1	73
	LH	LEERSIA HEXANDRA / CLUBHEAD CUTGRASS	1 GAL.	2-FT	36-IN (O.C.)	FL #1	88
	MC2	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS	1 GAL.	1.5-FT	AS SHOWN	FL #1	60
	OR	OSMUNDA REGALIS / ROYAL FERN	3 GAL.	2-FT	AS SHOWN	FL #1	137
	PH	PERSICARIA HYDROPIPEROIDES / WATER PEPPER	3 GAL.	2-FT	AS SHOWN	FL #1	92
	SC	SAURURUS CERNUUS / LIZARD'S TAIL	3 GAL.	2-FT	AS SHOWN	FL #1	128
	SB	SPARTINA BAKERI / SAND CORDGRASS	3 GAL.	2-FT	AS SHOWN	FL #1	113

CONCEPT PLANT SCHEDULE



UF SURGE AREA WETLAND MIX	
ARISTIDA RAMOSA / PURPLE WIREGRASS	25% @ 18" o.c.
LEERSIA HEXANDRA / CLUBHEAD CUTGRASS	25% @ 18" o.c.
RHEXIA VIRGINICA / VIRGINIA MEADOW-BEAUTY	25% @ 18" o.c.
AMPHICARPUM MUHLENBERGIANUM / BLUE MAIDENCANE	25% @ 18" o.c.



Motion to forward the project to the VP for Construction, Facilities, and Real Estate with a recommendation to approve as presented.

**MP07942 – Health Center Surge #4
Flooding Issues**