UNIVERSITY of FLORIDA SITES



Northeast Gateway

Documentation

Project ID: 13742



Introduction

The Northeast Gateway is one of thirteen Priority Projects within the University of Florida's Landscape Master Plan, and one of four projects identified in the campus Strategic Development Plan as civic spaces that would significantly enhance the campus by defining campus portals and creating places for large gatherings. This redevelopment project in the historical eastern portion of campus at 2nd Avenue connects to the Innovation District of downtown Gainesville. Northeast Gateway serves to expand the impact of the gateway, announcing the campus, welcoming the casual visitor, and orienting guests to the parking facilities beyond. The result is a positive first impression of the campus generated by quality materials, a well-maintained and clarified landscape, and the introduction to the pedestrian-centric campus core.

The redevelopment of UF's Northeast Gateway aligns with the SITES Guiding Principles. A few examples are listed below.

Do no harm.

The design and construction of Northeast Gateway considers the surrounding environment. For example, silt fencing is provided to reduce the movement of sediment into stormwater drains of adjacent roadways.

Apply the precautionary principle.

The project considers human and environmental health by identifying the campus as tobacco free.

Design with nature and culture.

The project considers the regional context with gateway details and materials that reinforce the historical Gothic architecture of the eastern portion of campus.

Use a decision-making hierarchy of preservation, conservation, and regeneration. The project considers the historical landscape with the preservation of most of the native trees existing on site prior to redevelopment.

Provide regenerative systems as intergenerational equity.

The project is designed to be constructed in a sustainable manner and with sustainable maintenance and operation practices to provide a campus that can be enjoyed by many generations of future students, faculty and alumni.

Support a living process.

The project maintenance and operations can continue to adapt to the changing demographics of the University by implementing accessible walkways that support multiple levels of mobility. Landscape materials and water regimes can be adjusted for drought and wet conditions.

Use a systems thinking approach.

The project preserves existing trees and mitigates for trees removed with native canopy trees that are adapted to the North Florida environment with its annual cycle of dry and wet seasons, natural wind resistance needed for the annual hurricane season. The use of native trees on site also helps spread native tree stock throughout the region as the wind and fauna transport seed to adjacent areas. The project also minimizes the spread of exotic invasives by monitoring plants brought to the project site and providing specifications for the removal of existing invasive exotic plants if found within the project limits.

Use a collaborative and ethical approach.

The project encouraged direct and open communication by holding collaborative design and construction meetings and work sessions among colleagues, clients, manufacturers, and users to link long-term sustainability with ethical responsibility.

Maintain integrity in leadership and research.

The project design and construction meetings were conducting in a transparent, highly participatory process with a variety of stakeholders, consultants and contractors.

Foster environmental stewardship.

The site's redevelopment and management foster an ethic of environmental stewardship. For example, irrigation utilizes reclaimed water and irrigation for trees are temporary with watering discontinued after a three year establishment period.

The design and construction of Newell Gateway considers SITES Goals. A few examples are listed below.

Create Regenerative Systems and Foster Resiliency

The project protects natural resources like vegetation by preserving existing native trees on site. The project also fosters resiliency by using reclaimed water for irrigation which reduces pressure on potable water supplies from aquifer, groundwater sources.

Ensure Future Resource Supply and Mitigate Climate Change

The project helps ensure future resource supply by using recycled and salvaged materials in the gatehouse, pavement, site lighting and other materials.

Transform the Market through Design, Development, and Maintenance Practices The project fosters leadership in the construction industry by advocating for sustainable practices by construction material suppliers, construction techniques and maintenance operations.

Enhance Human Well-Being and Strengthen Community

The project helps humans reconnect to nature by providing sidewalks that are shaded by native canopy trees that support native birds and other wildlife.

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SECTION 1: SITE CONTEXT

Prerequisite	TITLE	Points
Context P1.1	Limit development on farmland	Required
Context P1.2	Protect floodplain functions	Required
Context P1.3	Conserve aquatic ecosystems	Required
Context P1.4	Conserve habitats for threatened and endangered species	Required
Credit	TITLE	Points
Context C1.5	Redevelop degraded sites	3 points
Context C1.6	Locate projects within existing developed areas	4 points
Context C1.7	Connect to multi-modal transit networks	3 points

PREREQUISITE 1.1 | LIMIT DEVELOPMENT ON FARMLAND

Case 1: Sites without farmland soils

The 2.25-acre (97,907 SF) project site slated for development does not contain soils defined by the NRCS as prime farmland, unique farmland, or farmland of statewide or local importance. Because of this, there are no additional requirements. Additionally, the site is not located in an area designated by the municipality, county, or state as an agricultural conservation or rural conservation zone, and at least 75 percent of the site area has been altered by preexisting paving, construction or land use, making it a previously developed site.

Soil Map Unit Composition

Source: USDA Natural Resources Conservation Service (NRCS) Symbol 45 — Urban land-Millhopper complex

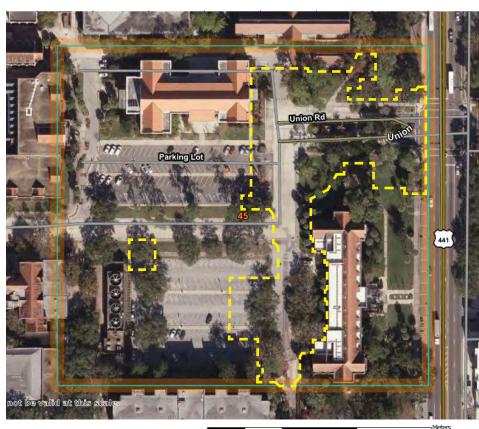
- Urban land: 60 percent
- Millhopper and similar soils: 35 percent
- Minor components: 5 percent
 - Lochloosa: 2 percent
 - Arredondo: 2 percent
 - Sparr: 1 percent

• Estimates are based on observations, descriptions, and transects of the map unit.

Typical profile

Source: GSE Engineering & Consulting, Inc. Geotech Report

- 3 to 5 feet depth: Gray and brown SAND with silt
- 7.5 to 8 feet depth: Dark brown SAND with silt



Source: NRCS



80

120

MAP LEGEND Area of Interest (AOI) Transportation Area of Interest (AOI) Rails *** Soils Interstate Highways Soil Map Unit Polygons US Routes Soil Map Unit Lines Major Roads Soil Map Unit Points Local Roads Background Aerial Photography * . T SITE PROJECT BOUNDARY

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Alachua County, Florida Survey Area Data: Version 21, Jun 5, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Dec 20, 2019—Jan 1, 2020

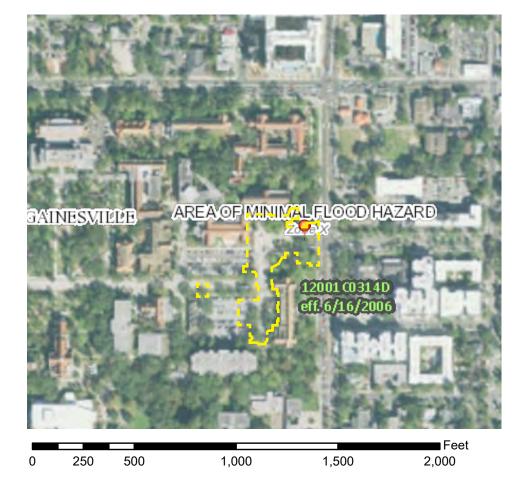
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

PREREQUISITE 1.2 | PROTECT FLOODPLAIN FUNCTIONS

Case 1: Sites without floodplain

The 2.25-acre (97,907 SF) project site slated for development is located in zone X (area of minimal flood hazard). The site does not contain land within the 100-year floodplain. There are no additional requirements.

Source: Federal Emergency Management Agency (FEMA)



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/6/2020 at 5:07 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Legend	
SEE FIS REPORT FOR DETAILE	D LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99 With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway
	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> Future Conditions 1% Annual
OTHER AREAS OF FLOOD HAZARD	Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X Area with Flood Risk due to LeveeZone D
	REEN Area of Minimal Flood Hazard Zone X
OTHER AREAS	Area of Undetermined Flood Hazard Zone D
GENERAL	Channel, Culvert, or Storm Sewer
<u>8</u>	20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation - Coastal Transect Immediate Surface Elevation Line (BFE) Limit of Study Jurisdiction Boundary
OTHER FEATURES	Profile Baseline Hydrographic Feature Site Project Boundary Digital Data Available N
MAP PANELS	No Digital Data Available
p	he pin displayed on the map is an approximate oint selected by the user and does not represent n authoritative property location.

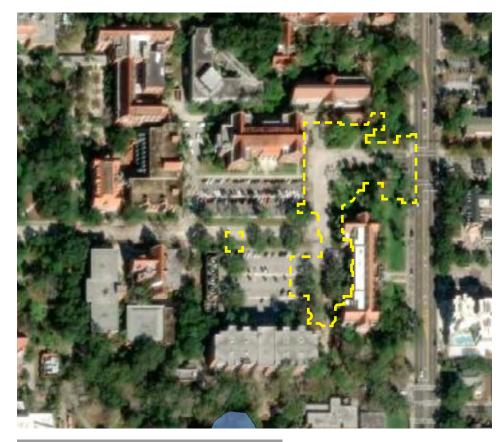
Prerequisite 1.3 Conserve aquatic ecosystems

Case 1: Sites without aquatic ecosystems

The project site slated for development does not contain aquatic ecosystems or isolated wetlands. There are no additional requirements.

Source: U.S. Fish and Wildlife Service National Wetlands Inventory Map

 Aquatic ecosystems including wetlands that are incidental results of development activity and have been rated "poor" for all measured wetland functions. A qualified professional using a method that is accepted by regional, state, or federal permitting agencies must perform an aquatic ecosystem quality assessment.



		1:3,78	1
0	0.03	0.06	0.12 mi
		- 1, 1, 1,	<u> </u>
0	0.05	0.1	0.2 km



This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

PREREQUISITE 1.4 CONSERVE HABITATS FOR THREATENED AND ENDANGERED SPECIES

Case 1: Brownfields and previously developed sites

The site is previously developed and in the range of potential habitats for any plant or animal species on U.S. federal or state threatened or endangered lists or on the International Union for Conservation of Nature (IUCN) "Red List of Threatened Species" as critically endangered (CR) or endangered (EN). There is potential for the site to be utilized as foraging habitat by the following threatened or endangered plant and animal species:

- Sherman's fox squirrel (*Sciurus niger shermani*)
- Sandhill cranes (*Grus canadensis pratensis*) Refer to letter below.



Orlando Office 618 East South Street Suite 700 Orlando, Florida 32801 T 407.423.8398F 407.843.1070

January 11, 2021 UF-656 – Landscape Master Plan Implementation

Mr. Dustin Stephany University of Florida 245 Gale Lemerand PO Box 115050 Gainesville, FL 32611-5050

University Court – Habitat Assessment Prerequisite 1.4 | Conserve habitats for threatened and endangered species

Dear Mr. Stephany:

The University Court project area located within the historic district of the University of Florida campus includes surface improvements to the area surrounding Tigert Hall, including improvements to the entry gateway, parking lots, and the existing gatehouse structure. The existing site has been previously developed and is an urban environment with a significant tree canopy. The University Court has a variety of native and ornamental trees, shrubs and groundcover.

The tree species include:

- 1. Butia capitata
- 2. Callistemon citrinus
- 3. Cornus florida
- 4. Ilex x attenuata 'East Palakta'
- 5. Lagerstromia spp.
- 6. Liriodendron tulipifera
- 7. Magnolia grandiflora 'D. D. Blanchard'
- 8. Phoenix canariensis
- 9. Phoenix dactylifera
- 10. Pinus palustris

- 11. Pinus taeda
- 12. Prunus caroliniana
- 13. Quercus alba
- 14. Quercus laurifolia
- 15. Quercus rubra
- 16. Quercus shumardii
- 17. Quercus virginiana
- 18. Sabal palmetto
- 19. Taxodium distichum
- 20. Ulmus alata
- 21. Ulmus americana
- 22. Ulmus parvifolia 'Drake'

Shrubs consist primarily of ornamentals like *Rhododendron indica* and the turfed areas consist primarily of *Zoysia japonica*.

The site is characterized by urban conditions and does not include natural areas or identifiable nesting habitat for threatened or endangered plant and animal species.

There is potential for the site to be utilized as foraging habitat by the following threatened or endangered plant and animal species:

- Southern fox squirrel (*Sciurus niger niger*)
- Sandhill cranes (Grus canadensis pratensis)

Southern fox squirrels (previously classified as Sherman's fox squirrel) typically inhabit open, fire-maintained longleaf pine, turkey oak, sandhills, and pine flatwoods communities. These habitats do not occur at the Newell Entry. There is the potential for this species to occasionally forage within the site if its home territory was within close proximity. There would need to be native habitat nearby for the fox squirrels as they would not typically travel far from their home range to feed. There is a more likely potential for foraging by sandhill cranes, particularly prior to nesting, or once the colts fledge. Florida sandhill cranes rely on shallow marshes larger than 5 acres in area for nesting and roosting, and open upland and wetland habitats for foraging (with vegetation <20 inches high). The nesting and roosting habitat does not occur at the Newell Entry. The actual potential for these areas to be utilized for foraging by these species would be reduced given the amount of vehicular and pedestrian traffic in the area.

Sincerely, GAI Consultants, Inc.

Don J Silverberg, MS, PWS, GTA January 11, 2021 UF-656 – Landscape Master Plan Implementation

Don J Silverberg, MS, PWS, GTA

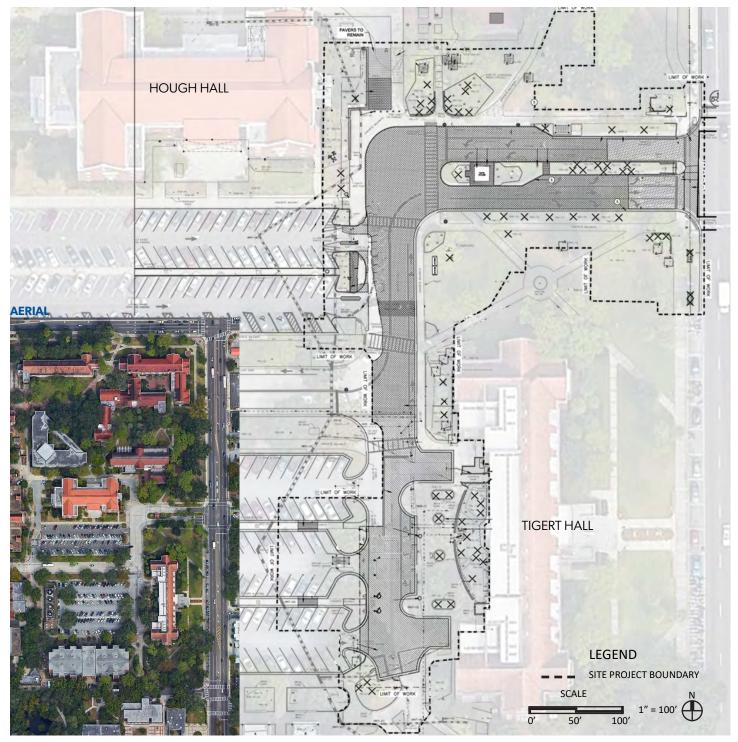
Environmental Manager

CREDIT 1.5 | REDEVELOP DEGRADED SITES

Case 1: Previously developed sites

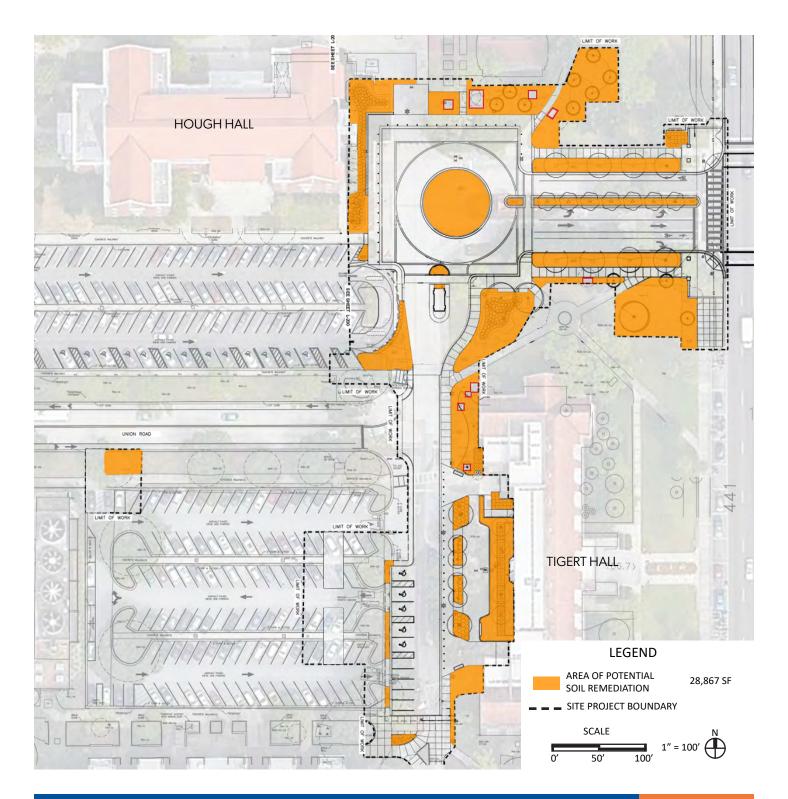
Goal: 3 points

Northeast Gateway qualifies for Context C1.5 Case 1 due to its classification as a previously developed site. The purpose of this map is to show that 100% of this site has been previously developed and the existing materials on site. The University of Florida dates back to 1853 and has been redeveloped many times throughout the years. The previous development on site includes concrete walkways and a road for connectivity to on campus facilities. For this site there are no areas without major development-related disturbance.



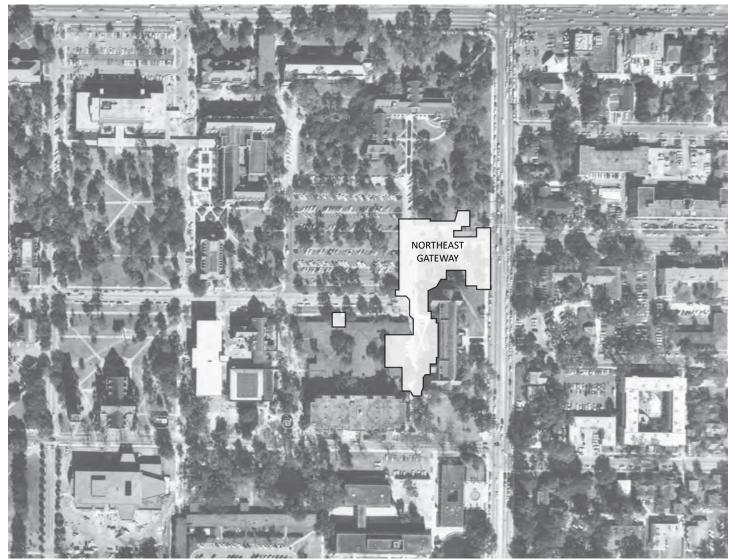
SOIL REMEDIATION

With Northeast Gateway's previous development, the site contains disturbed soils. The area in orange outlines the disturbed areas which will remain unpaved following completion of construction, and the underlying soil will be remediated. Areas of sod that are not disturbed during construction will not have underlying soil remediated.



Historical Photos

UF Campus Circa 1971





University of Florida Campus Historic District

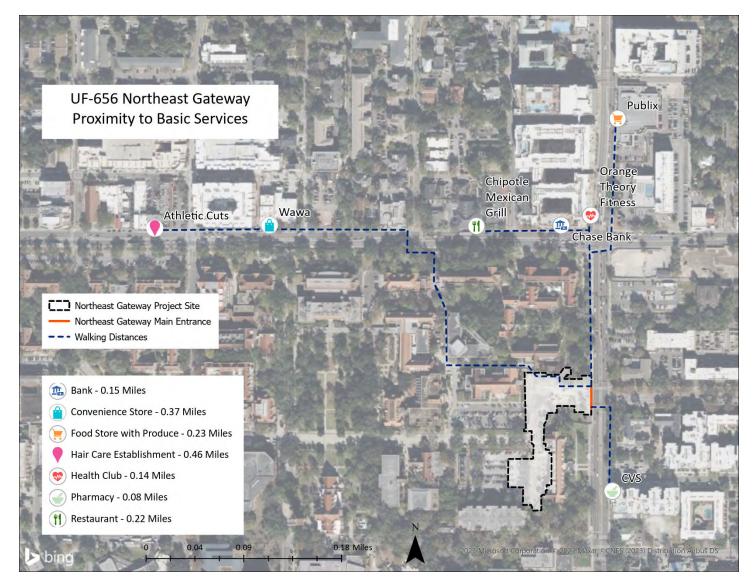


Tigert Hall

CREDIT 1.6 | LOCATE PROJECTS WITHIN EXISTING DEVELOPED AREAS

Vicinity map and Site Plan

Goal: 4 points



Project Site is located within 500 feet of existing water and waste water infrastructure. The above listed services are accessible to the public and are not restricted to campus occupents.

CREDIT 1.7 CONNECT TO MULTI-MODALTRANSIT NETWORKS

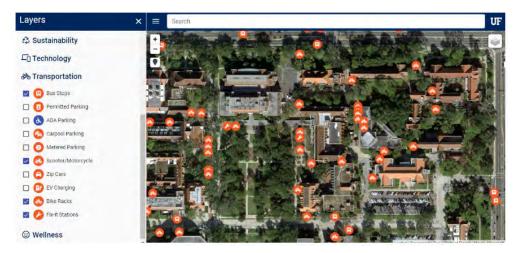
Transit Network

Goal: 3 points

Northeast Gateway qualifies for Context C1.7 Option 2. RTS Public Transit provides an accessible service for public transit across Gainesville and has created a 10 year Transit Development Plan (TDP) which details the transit agency's vision for public transportation, an evaluation of transit needs in the area and a plan to prioritize and implement future improvements. Depending on the bus route, the average user can utilize the RTS every 30 minutes throughout the weekdays and weekends (See schedules on following pages). This gateway project acts as a main entrance to the University of Florida and is never physically closed to site users. However, after looking at various UF event calendars (Student Involvement, O'Connell Center, Rec Sports, and Reitz Union) its is clear that the current bus times meet the needs of users as the University itself does not have public events that run past 12:00am.

Additionally, it is important to note how proactive the University is at providing transportation to site users while improving health, safety and reducing pollution.

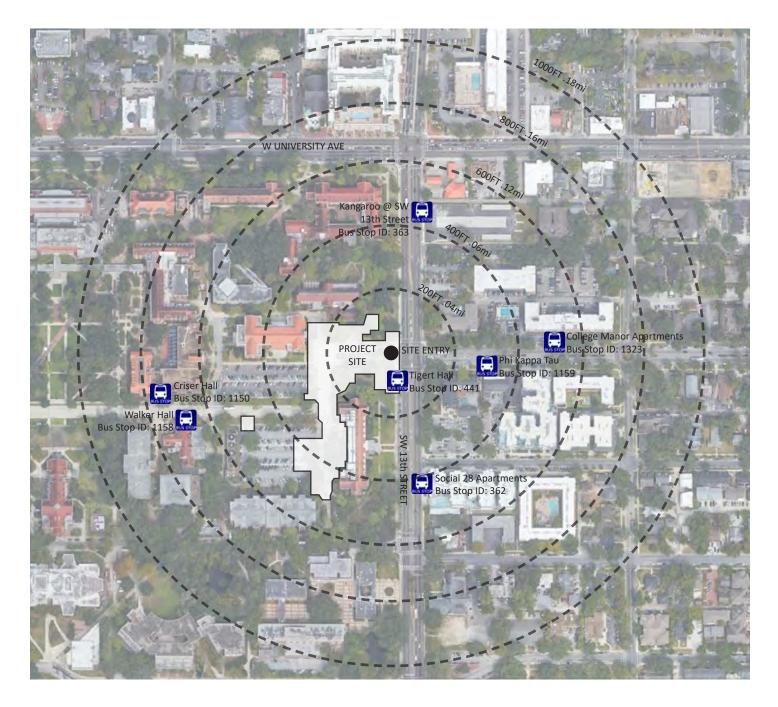
Large events such as sports competitions and graduation ceremonies include free transits across campus to and from the event. There are continuous crosswalks around the gateways and throughout campus. The gateway connects to bicycle network. All roads have shared bicycle lanes and the speed limit on campus is 20 MPH. The historic district includes many bicycle racks.



Additionally, for late night, the Student Nighttime Auxiliary Patrol (SNAP) services are available and will pick up at this location and transport site users to a desired location.

Lastly, the gateway project is less than 0.25 miles from e-scooter micro mobility station. This program is very helpful for other universities and cities to meet this credit intent.





Total Number of site users: 120

Bus Routes Map

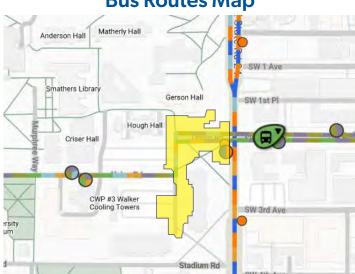
Bus Routes (Summer 2021):

Criser Hall -• 25 46 • Walker Hall -126 127 25 46 Tigert Hall -• 43 Kangaroo @ SW-• 13th Street 25 46 126 127 •

46

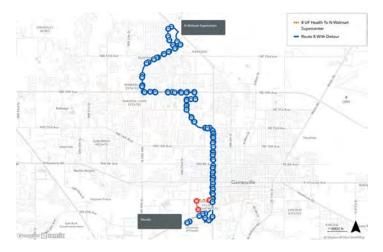
8

- Phi Kappa Tau -
- College Manor Apt.- 25
- Social 28 Apt.-•



Route 8 Celebration Pointe to Midtown

- First run starts: 6:02am
- Last run finishes: 10:10pm



Route 25 UF Health to Santa Fe College

- First run starts: 7:20am •
- Last run finishes: 5:38pm



Route 34 Celebration Pointe to Midtown

- First run starts: 6:45am
- Last run finishes: 1:04am



Route 40 UF Health to Santa Fe College

- First run starts: 6:54am
- Last run finishes: 6:12pm



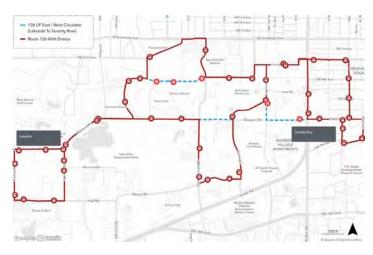
Route 46 Reitz Union to Rosa Parks Transfer Station

- First run starts: 7:45am
- Last run finishes: 5:23pm



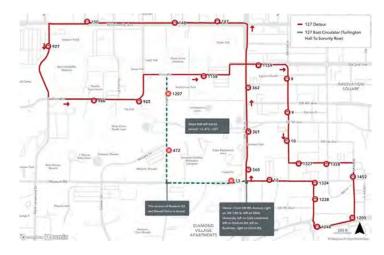
Route 126 Sorority Row to Lakeside

- First run starts: 5:45am
- Last run finishes: 10:45am



Route 127 East Circulator

- First run starts: 7:20am
- Last run finishes: 5:30pm



SECTION 2: PRE-DESIGN ASSESSMENT + PLANNING

Prerequisite	Тить	Points
Pre-Design P2.1	Use an integrative design process	Required
Pre-Design P2.2	Conduct a pre-design site assessment	Required
Pre-Design P2.3	Designate and communicate Vegetation and Soil Protection Zones (VSPZs)	Required
Credit	Титье	Points
Pre-Design P2.4	Engage users and stakeholders	3 points

PREREQUISITE 2.1 USE AN INTEGRATIVE DESIGN PROCESS

1. Integrate design team

This table identifies the integrated design team including the owner and professionals knowledgeable in design, construction, maintenance, sustainable practices, vegetation, water, soils, landscape ecology, materials, and human health and well-being. Signatures from all team members are included in the table who:

-participated in the collaborative communication process,

-participated in the development of the site maintenance plan,

-and participated in the site assessment and relevant discussions.

Each one of the individuals identified below has been directly and intimately involved in the Northeast Gateway project. Included in the list below are the landscape architects who created the design concepts as a part of the University's Campus Landscape Master Plan; the team of consultant landscape architects, engineers and architects who created the contract documents to execute the design; UF planners, UF support staff, and faculty; and the construction managers and their subcontractors who executed the work.

- Cydney McGlothlin is the University of Florida University Architect. Cydney guides projects through the multi-layered University approval process and works with the UF Planning, Design, & Construction team to ensure compliance with campus design guidelines and other standards.
- Linda Dixon is the Director of Planning at UF. She is responsible for approving and integrating projects into the Campus Master Plan and the Campus Landscape Master Plan at the University.
- Frank Javaheri is the Director of Construction for UF's Department of Planning, Design, & Construction. He currently oversees all major campus projects, assisting the individual UF project managers and guiding projects to completion. Frank has been actively involved in the design and construction process of the Northeast Gateway project.
- Melanie Heflin has over thirty years of in experience in construction. Melanie works as the Northeast Gateway UF Project Manager who is responsible for directing the design and construction team to execute the project within budget and scope.
- Dustin Stephany has a wide range of experience in engineering and construction management, as well as building operations and maintenance. As the University's Sustainable Building Coordinator, he provides guidance, direction and input into all campus LEED and SITES projects.
- Tina Gurucharri is the recently retired Chair of the University of Florida Department of Landscape Architecture.
- Dan Manley is the current interim Chair of the Department of Landscaped Architecture at UF. Dan coordinated a design charrette between the design team and UF landscape architecture students.
- Tom Schlick is the Assistant Director of Facilities Services, Grounds and Natural Resources, responsible for grounds operations, maintenance and scheduling along with construction support services to the campus community.
- Donna Bloomfield is the UF landscape and grounds superintendent providing maintenance plans and guiding activities to enhance the appearance, operation and functional life of the UF campus landscapes.
- Elizabeth McAlister is a project engineer with the University of Florida with experience in utilities and energy services. Elizabeth assisted throughout the project providing guidance to the consultant team's engineers.
- Scott Fox is the University's Director of Transportation and Parking where he is responsible for a wide range of transportation entities including garage and lot maintenance, incorporation of alternative transportation methods, review of planned University projects and their parking impacts, and management of the budget for these services.
- Joe Souza is UF's Director of Physical Security where he manages and improves security systems by implementing new security technology throughout the campus some of which will be implemented with this project.
- Wade Maclaren is Assistant Director of Operations Support Services for the Physical Plant at UF. Wade oversees maintenance projects to ensure high quality facilities.

SECTION 2: PRE-DESIGN ASSESSMENT + PLANNING

- Rachel Mandell works as the university's Senior Planner. Rachel's primary objectives are to monitor the implementation of the Campus Master Plan and assist in the long-range planning efforts that guide the land use and landscape of the university.
- And rew Meeker is a landscape architect and was previously with the City of Gainesville Commity Redevelopment Agency, serving as a bridge between the campus and the City.
- Frank Bellomo is a landscape architect with over 40 years of experience on a variety of project types including extensive campus projects. He served as a landscape architect for the UF Campus Landscape Master Plan and is the Principal-in-Charge of the Northeast Gateway project and responsible for the successful delivery of the project.
- Sheeba West is a landscape architect and certified arborist who has been responsible for the delivery of complex projects in the public and private sector for over 20 years including projects on the UF campus.
- Donald Wishart is registered landscape architect and Distinguished Alumnus of the UF Department of Landscape Architecture. Donald provided significant input into the final design direction of the project.
- Andrea Penuela is a landscape architect and graduate of UF who provides design, presentation graphics and production
 assistance on projects of varying scales and complexities. Andrea served on the project team for Northeast Gateway, assisting
 with document production and presentation graphics.
- Ian Molgaard is a landscape designer who assists with document production as well as providing high quality graphics on numerous projects for GAI Consultants. Ian assisted with the UF Campus Landscape Master Plan and has been the key team member in the completion of the SITES documentation.
- Chris Jones is a principal landscape architect with IBI Placemaking. Chris served as Principal-in-Charge on the UF Campus Landscape Master Plan where the concept designs for the Northeast Gateway project were developed. He also provided design oversight to the team as the concept designs were advanced.
- Jaime Igua is a civil engineer and project manager with VHB, responsible for the design of the project drainage, grading and utilities.
- Leonard Sprague is a civil engineer with 20 years of experience on a variety of project types with a particular area of expertise in stormwater management design and hydraulics.
- Shawn Steers is a project engineer with VHB and assisted with all aspects of the infrastructure components of the project.
- Nat Grier is the national practice leader of Campus Transportation with VHB. Nat completed the UF Transportation Master Plan and coordinated during the development of the Campus Landscape Master Plan. He also assisted with transportation issues on the Northeast Gateway project.
- Andrew Mitchell is an electrical engineer and President of Mitchell Gulledge Engineering with a long history of projects on the UF campus.
- Peter Rizov is and electrical engineer who was responsible for the design of the electrical and lighting systems for the project. Peter also has extensive UF campus design experience.
- Elisabeth Manley is a landscape architect with over 20 years of experience. Located in Gainesville, her expertise in construction documentation and construction administration services allowed her to assist through the construction phase of the project, interfacing with the design team, UF and the construction manager.
- Jennifer Lyons has over 15 years in construction management in the Gainesville/Alachua County area. Jennifer is leading the construction team for CPPI for the Northeast Gateway. Jennifer also has taken an active role in the SITES certification and documentation processes.
- Darrel Pons oversees UF campus maintenance crews to achieve a healthy and aesthetic image of the grounds at the University of Florida.
- Craig Hill serves as Associate Vice President in Business Affairs, Craig is responsible for the strategic leadership and direction of multiple transportation and parking services.

Integrate Design Team

<u>Name</u>	<u>Representing</u>	<u>Expertise</u>	<u>Role</u>	<u>Signature</u>
Melanie Heflin	UF PDC	Construction, Maintenance	Project Manager	Melanie Heflin
Cydney McGlothlin	UF PDC	Architecture, Maintenance	University Architect	Melanie Heflin Cydwy megloł:
Linda Dixon	UF PDC	Planning, Maintenance	Director of Planning	Xi
Donna Bloomfield	UF Facilities	Grounds, Maintenance	Grounds Superintendent	Donna Bloomfield
Tom Schlick	UF Facilities	Facilities, Maintenance, Vegetation, Soils	Ass't. Director, Facilities Services	Thomas Schlick
Scott Fox	UF TAPS	Transp. & Parking, Maintenance	Transp. & Parking	Scott Fox
Dustin Stephany	UF PDC	Sustainability, Maintenance, Human Health and Well-being	Sustainability Coordinator	Dustin Stephany
Joe Souza	UF Security	Security, Maintenance	Director of Security	Joy Lo Dieg
Wade Maclaren	UF Facilities	Physical Plant, Maintenance	Ass't. Director, Physical Plant	Wadi Maeların
Craig Hill	UF Business Affairs	Finance, Maintenance	Finance	RETIRED
Frank Bellomo	GAI	Landscape Architecture, Design, Vegetation, Human Health and Well-being	Landscape Architect	Frank Bellomo

Name	<u>Representing</u>	Expertise	Role	<u>Signature</u>
Donald Wishart	GAI	Landscape Architecture, Design, Vegetation, Human Health and Well-being	Landscape Architect	DOMALD WISHART
Sheeba West	GAI	Landscape Architecture, Design, Vegetation, Landscape Ecology, Human Health and Well-being	Landscape Architect	Sheeba West
Andrea Penuela	GAI	Landscape Architecture, Design, Vegetation, Human Health and Well-being	Landscape Designer	Annych
Chris Jones	IBI	Landscape Architecture, Design, Vegetation, Human Health and Well-being	Landscape Architect	Chris Jones
Jason O'Brian	Walker Architects	Architecture, Design	Architect and Project Manager	-703-
Jaime Igua	VHB	Civil Engineering, Design, Hydrology	Civil Engineer	Jaime Igua
Andrew Mitchell	Mitchell Gulledge	MEP Engineering, Design, Materials	MEP	
Peter Rizov	Mitchell Gulledge	Electrical Engineering, Design	Electrical Engineer	
Tina Gurucharri	UF College of Design construction and planning	Landscape Architecture, Design, Vegetation, Landscape Ecology, Human Health and Well-being		RETIRED
Leonardo Valencia	VHB	Civil Engineering, Design	Civil Engineer	leonardo Valenica

Name	<u>Representing</u>	<u>Expertise</u>	Role	<u>Signature</u>
Frank Javaheri	UF Construction	Construction, Design, Maintenance	Director of Construction	Faramarz Javaluri
Rob Hoogevenn	Certified Irrigation Designs Inc.	Irrigation	Irrigation Designer	Rob Hoogevenn
Shawn Steers	VHB	Civil Engineering, Design	Civil Engineer	Shawn Steers
Elizabeth McAlister	UF Facilities Serv.	Facilities, Maintenance	Facilities Services	Elizabeth McAlister
Nat Grier	VHB	Civil Engineering, Design	Transportation Engineer	Nathaniel Grier
Elisabeth Manley	Manley Design	Landscape Architect, Vegetation	Construction Oversight	Elisabeth Manley
Jennifer Lyons	СРРІ	Construction Management, Construction, Materials	Construction Manager	Nolain Dawis

2. Collaborative Communication Process

The Northeast Gateway project used an integrative design process consisting of a team with a wide range of expertise. The communication process included over a dozen official meetings held virtually on Microsoft Teams. All formal meetings were summarized in minutes which were distributed to the team prior to the following meeting with action items addressed to team members. There were numerous informal meetings also held virtually. Communication was also conducted by phone and email often daily throughout the project timeline. Communication occurred on site visits. Lastly, communication occurred on BIM 360 where plans, specifications and other documents were shared with the team for review and comment. Team members who were primarily responsible for collaborative communication included Melanie Heflin/UF, Dustin Stephany/UF, Frank Bellomo/GAI, and Jennifer Lyons/CPPI.

3. Project Sustainability Principles and Performance Goals

Sustainability principles for the Northeast Gateway project mirror those found in the University of Florida Campus Landscape Master Plan (LMP), a document completed in 2018 and adopted by the university. This document should be considered as a supplement document to the 2020-2030 Campus Master Plan, a planning document required by Florida statutes and updated every 5 years. Sustainability principles are found throughout the Campus Master Plan as well as the Campus Landscape Master Plan, whose sustainability principles are directly aligned with the design of the Northeast Gateway.

The principles described below provided a sustainability framework for the Campus Landscape Master Plan. Within this framework is proposed a series of gateways, campus entry portals, which are a component part of meeting the University of Florida's goals of providing campus-wide comfortable and attractive entrances which encourage all modes of transportation from pedestrian to bicycle, bus, mass transit and eventually, autonomous modes of travel. As funds become available, individual projects advancing this goal are required to follow the LMP and the Campus Master Plan site specific framework. During both the design and construction phases of individual projects, the university's Landscape, Vegetation and Lakes (LVL) committee will be tasked to review compliance with both documents to assure a unified campus approach towards these specific performance measures:

- (1) educate visitors on sustainable approaches undertaken by UF,
- (2) protect and improve campus natural communities,
- (3) Minimize campus hardscapes to reduce runoff and heat island gain
- (4) increase native landscaping,
- (5) promote multi-model transportation.

Following construction, the LVL committee, as well as UF's planning department and maintenance staff, are all tasked to monitor and verify that these measures are continuously being implemented and maintained. Additionally, as new tools become available, the committee is responsible for updating the LMP to help the university transition standard outdoor areas to more engaging spaces.

As UF improves its walkable network it is poised to become a model for other campuses and communities on how to sustainably develop a sense of place through attractive gateways, walking corridors and outdoor civic spaces.

The following Principles are taken directly from the Campus Landscape Master Plan and are included here as sustainability principles because they intentionally tie the practices implemented at the Northeast Gateway with the ongoing and future campus projects that will ultimately become impacted by this gateway project:

Campus Landscape Master Plan Principle 2: Redesign Campus Roadways to Support and Encourage All Modes of Travel

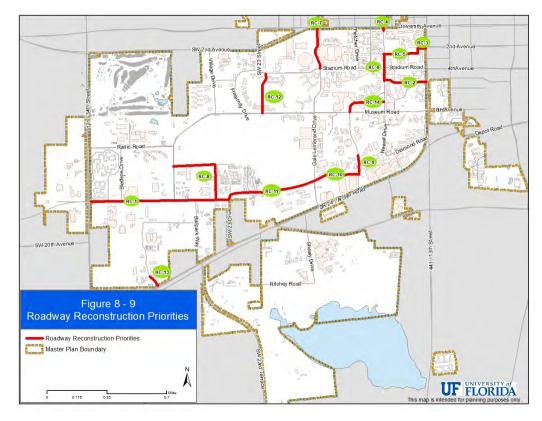
The Northeast Gateway project is one of several LMP priority projects that modify campus roadways to support and encourage multi-modes of travel. The project provides a portal into campus for bicyclists and pedestrians through a direct connection to the SW 2nd Avenue corridor, which links this primary campus entry with Downtown Gainesville and off-campus facilities through a direct east/west route. SW 2nd Avenue feeds directly into the Northeast Gateway, bringing pedestrians, bicycles, automobiles

and Gainesville's Regional Transit System (RTS) buses into campus from downtown and places east. The gateway connects to offcampus facilities through a newly signalized intersection with new and improved pedestrian crosswalks and walk signals. It now more readily encourages not only pedestrian travel, but bicycle ingress and egress has been improved by creating shared use lanes at the gateway, demarked with newly painted sharrows.

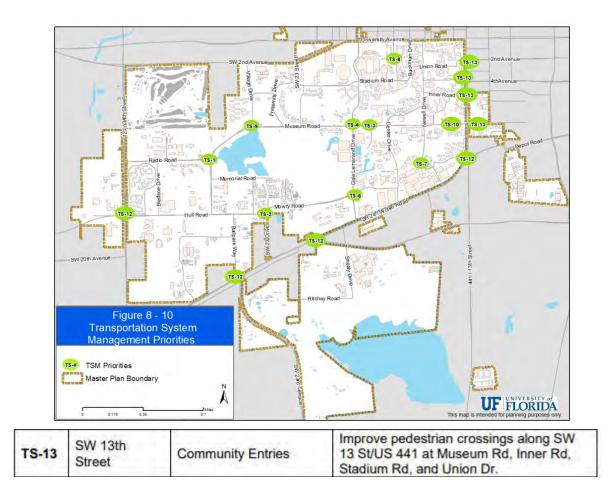
Additional improvements have been made through the creation of a large entry court, including temporary parking/drop-off areas for ride-share and carpool. The gateway serves as a multi-modal hub, where pedestrians, cyclists, cars and buses take advantage of improvements to the university's main entrance with connections throughout the campus and the city. To encourage bicycle use, a bike parking shelter has been provided within the project, directly south of the entry court and main entrance to the campus. As described in the Landscape Master Plan, future improvements include the removal of Union Drive as a vehicular route into the campus and the replacement of that road with Union Walk, a pedestrian only route, linking the gateway to walks throughout campus. The removal of Union Road will also restrict over 80 acres of the campus to pedestrians and bicycles only, making it one of the largest auto-free campus zones in the US.

Timeline:

Short Term: Improvements to the crossings at 2nd Avenue and US 441 are complete, as is the addition of the shared use lanes and court. Refer to the attached Table 8-2, of the Transportation Element of the Campus Master Plan (ID #RC-3) Long Term: Union walk is currently unfunded, so an exact timeline is unknown, however, the University of Florida's Board of Trustees has made Union Walk a priority project and it is highly likely that the project will commence in the next 1 to 2 years. Refer to Table 8-3 of the Transportation element of the Campus Master Plan for a description of the Union Walk project (ID #TS-13). Continued implementation of the other LMP Priority Projects are on a schedule that will likely span 5 years.



RC-3	Union Rd.		Reconstruct with gateways, drop-off, streetscape/landscape, artwork, reconfigured parking areas and relocated guardhouse per the Landscape Master Plan	340
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Landscape Master Plan Principle 3: Integrate All New Campus Projects into the Campus Fabric, Advancing Pedestrian and Bike Connections and Campus Spaces

The Northeast Gateway project integrates a new pedestrian/bicycle portal with the existing SW 2nd Avenue pedestrian/bicycle corridor, the planned Union Walk pedestrian/bicycle enhancement, and the campuswide overall sidewalk system. The vehicle court was designed to accommodate both buses and ride-sharing services, as well as pedestrians and bicycles. Landscaping, lighting, and brick gateway features comply with the LMP and integrate with existing landscape features.

A future improvement that is physically connected to the Northeast Gateway project is the pedestrianization of Union Road into Union Walk, as described above. Union Walk is an important addition to the Northeast Gateway project. The gateway will continue to allow for vehicular access to the campus and administration for faculty and visitor parking, but Union Walk will remove the ability for cars to venture into the campus and beyond. Closing the area to vehicular use will result in a significant decrease in the number of vehicles on campus, resulting in a reduction of air pollutants and reduced heat island effect. The completion of Northeast Gateway is the first step in pedestrianizing the heart of the campus.

Timeline:

Short Term: The gateway is complete and the increase in pedestrian and bicycle traffic has been realized. Improvements to the crossing US 441 are also complete. It is believed that Union Walk will commence in the next 1 to 2 years.

Long Term: Sustainability impacts which are a result of the Northeast Gateway project go well beyond the reach of the project limits. Although only a small part of the overall 2000+ acre UF campus, the Northeast Gateway impacts are significantly more widespread in reach that this geographically small project area. As previously mentioned, there are other multi-modal improvements planned throughout the campus, all of which will be impacted by the Northeast Gateway project.

The completion of the multi-use path along US 441 remains unfunded and as a result an exact timeline is unknown, however the project is a part of the 2020-2030 Campus Master Plan.

SECTION 2: PRE-DESIGN ASSESSMENT + PLANNING

LMP Principle 4: Celebrate the Ecological Setting of the Campus, Embracing Sustainable Goals and LID Practices

The Northeast Gateway project provides new landscaping including native plants irrigated with reclaimed water. At the urging of the Landscapes Vegetation and Lakes Committee (LVL) several species of native trees were utilized on the project. While the dominant campus tree canopy is the Live Oak, creating the signature landscape aesthetic of the campus, several other species were introduced to avoid a monoculture planting. This included natives Live Oaks, River Birch, Winged Elm, Shumard Oak and Longleaf Pine. A key part of the overall landscape design was the reestablishment of the Longleaf Pine community on this eastern edge of the campus. Historically, the Longleaf had been the dominant tree throughout much of the campus, but that species had been removed over decades of campus development, leaving a limited number on the eastern edge. The landscape plan included the planting of eleven of the pines directly adjacent to the gateway entrance to the campus.

As with all projects on the campus, stormwater drainage is permitted by the State of Florida's St. Johns River Water Management District to be collected in pipes and eventually discharged into Lake Alice, the largest water body on campus. The Northeast Gateway design team realized that this direct discharge of runoff is a less than desirable method of stormwater management if the intent is to protect the waters of Lake Alice. As a result, it was agreed to create two rain gardens within the Northeast Gateway project area. Planted with Florida native Muhley Grass (Muhlenbergia capillaris), these rain gardens accept the direct surface runoff, allowing the stormwater to percolate. Constructed with 24" of a specialized soil mix, the rain gardens, a Low Impact Development (LID) approach to handling stormwater, become a natural filtration system for the runoff and is further proof that the university is committed to incorporating sustainable goals and LID practices at this gateway as well as other identified LMP projects. Since this project ties to Lake Alice, the university remains committed to further protecting this watershed by reducing runoff while improving stormwater quality.

Timeline:

Short Term: Currently the LVL committee, planning department, university maintenance staff and other university, city and state personnel are updating the campus stormwater management plan. This plan is anticipated to be finalized in 2024 and will include new detailed projects, policies, and procedures. However the LID principles established at Northeast Gateway are complete and are operating as designed. In the short term only maintenance operations are required.

Long Term: Implementation of best practices in sustainability and LID is ongoing here and throughout the campus and will continue at this gateway over time particularly with regards to maintenance practices. Similar practices will occur during the planning and construction of the previously described Union Walk.

Principle 5: Reflect UF's Ecological Setting in its Plant Materials, Promoting Simplicity and Maintainability in Planting Design

The Northeast Gateway project utilizes the Campus Landscape Master Plan recommended plant list including native species. Invasive species are specifically excluded from the list and are not permitted to be planted on campus. The plants that were specified for the project were reviewed and approved by the university's grounds team specialists and the members of the LVL Committee. As previously described the native trees selected for the project, and in particular the Longleaf Pine, are a reflection of the naturally occurring plant communities at the campus. Additionally, the limited palette of species of shrubs and groundcovers was intentional. Such a design approach requires less maintenance resulting in less expenditure of energy to maintain. As evidenced by the planting plan, the specification of multiple tree species was intentional. Design reviews with the LVL Committee required species diversity so as not to create a monoculture.

Timeline:

Short Term: Landscape installations at the Northeast Gateway are now complete. Short term activities are the limited maintenance requirements.

Long Term: Implementation of this principle is ongoing and university staff will monitor the health of existing landscaping at this gateway over time. Any invasive plants will be eradicated by the grounds staff.

Policies and Objectives from the 2020-2030 Campus Master Plan which further sustainability goals for UF and are directly related to the Northeast Gateway project are included herein and highlighted:

- 1. Transportation Element
- 2. Urban Design Element
- 3. General Infrastructure Element

Goal 2: Preserve, Maintain and Expand the On-Campus Transportation System to Meet the Needs of Students, Faculty, Staff and Visitors that is Convenient, Safe, Sustainable and Encourages Non-Auto Travel Choices.

Objective 2.1: To provide a roadway network that safely and efficiently accommodates all modes in a comfortable and aesthetically pleasing environment.

Policy 2.1.1: Utilize and refine the roadway design standards depicted in the Landscape Master Plan, and partner with FDOT, City of Gainesville, Alachua County and MTPO to address standards for the Gateway Roads on the campus perimeter based on the roadway hierarchy depicted in Figure 8-1.

Policy 2.1.2: Utilize highway level of service standard "E" for analysis purposes on campus roads, and evaluate the multi-modal quality of service conditions for campus roads to determine an appropriate level of service standard for non-auto modes, if feasible.

Policy 2.1.3: Initiate a routine traffic counting program to include autos, bicycles and pedestrians in coordination with traffic counting programs conducted by FDOT, the City of Gainesville, Alachua County and the MTPO to gather data no less than once every five years.

Policy 2.1.4: Continue to designate speed limits of 20 miles per hour on all universitymaintained roadways east of SW 34th Street, and 15 miles per hour within the area north of Museum Road and east of Gale Lemerand Drive.

Policy 2.1.5: Enhance the campus arrival experience by implementing wayfinding signage, intersection improvements, and Landscape Master Plan recommendations for gateways, landscaping, and lighting consistent with Priority Open Space Enhancements and Gateways depicted on Figures 1-5 and 1-6.

CAMPUS MASTER PLAN, 2020-2030

ELEMENT

Objective 2.2: To provide pedestrian and bicycle facilities that safely and efficiently accommodate walking and bicycling in a comfortable and aesthetically pleasing environment.

Policy 2.2.1: Pursue programming, design and implementation of new sidewalk connections as depicted in Figure 8-5 (Table 8-5) and streetscape improvements identified as Priority Open Space Enhancements in Figure 1-5 of the Urban Design Element.

Policy 2.2.2: Pursue programming, design and implementation of bicycle lanes and shared-use paths as depicted in Figure 8-2 (Table 8-6).

Policy 2.2.3: Pursue programming, design and implementation of pedestrian and roadway lighting improvements and continue to review exterior lighting standards in the *University of Florida Design and Construction Standards* for amendment as needed to provide adequate lighting levels and energy efficiency.

Policy 2.2.4: Improve pedestrian/bicycle crossings at SW 13th Street/Museum Road, Inner Road, Museum Road/Sweetwater Drive as depicted on Figures 8-3, 8-9, and 8-10 as well as connections to off-campus neighborhoods.

Policy 2.2.5: New building construction or reconstruction shall respect Pedestrian Connections and Shared-Use Paths identified on Figure 1-4 and strive to enhance these pedestrian and bicycle corridors through building orientation, landscaping and pedestrian amenities.

Policy 2.2.6: Monitor usage and adequacy of existing bicycle parking facilities in terms of quantity, design, lighting, location, security covering, and enhanced amenities (e.g. fix-it stations) and install new or upgraded bicycle parking facilities to correct observed deficiencies.

Objective 2.6: To maintain or improve outdoor air quality and reduce fuel consumption.

Policy 2.6.1: The University shall continue implementing an innovative state-of-the-art green fleet policy to encourage purchase of vehicles that are highly fuel-efficient and low emission, use alternative fuels or are non-motorized (e.g. bicycles or Segways).

Policy 2.6.2: The University shall evaluate the use of telecommuting and flexible schedules to reduce the peak hour travel demand and its impact on roads and parking.

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UNIVERSITY OF FLORIDA CAMPUS MASTER PLAN, 2020-2030 TRANSPORTATION ELEMENT

Policy 2.6.3: The University shall continue to expand, where appropriate, distance learning and evening class offerings to reduce the peak hour travel demand and its impact on roads and parking.

Policy 2.6.4: Encourage use of environmentally-responsible scooters.

Goal 1: Create and Maintain a Campus that is Welcoming, Easily Navigated, and Attractive.

Objective 1.1: Utilize design standards to create a unified campus appearance with clear connections between different campus regions, disciplines, and partners that welcome and orient campus users and assist them in navigating the campus through coherent visual cues.

Policy 1.1.1: Continue to implement and update as necessary the University of Florida Design and Construction Standards, Landscape Master Plan, and Campus Design Guidelines. These documents apply to all university construction projects including those performed or managed by Facility Services Division, Planning, Design, and Construction Division, IFAS Facilities and Operations Division, Department of Housing and Residence Life, University Athletic Association and oncampus Sororities and Fraternities. These documents include guidelines and standards for architecture, landscaping, hardscaping, lighting, roads, parking, bicycle and pedestrian facilities, interior/exterior signage, irrigation, earthwork, stormwater, utilities and American with Disabilities Act (ADA) Compliance.

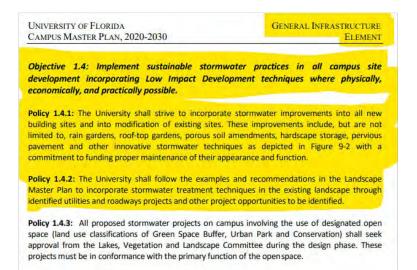
Policy 1.1.2: Implement gateway features as depicted on Figure 1-6 according to the Landscape Master Plan standards.

Policy 1.1.3: Implement and refine the roadway and streetscape design standards and guidelines of the Landscape Master Plan.

Policy 1.1.4: The University shall work with the City of Gainesville, Alachua County and the Florida Department of Transportation to improve access and aesthetics on Gateway Roads identified on Figure 1-6 through university participation on the Metropolitan Transportation Planning Organization and its committees, and any special interest groups or local government committees as may be created to address such issues.

Policy 1.1.5: Open space connections as identified on Figure 1-4 and 1-8 (Lake Alice Trails System), shall be maintained and enhanced to provide bicycle and pedestrian access.

environment and reflect the University's ecological s	etting.
Policy 1.3.1: Use trees and other plant materials, exteri einforce the spatial organization, create well defined fund defined entrances, enhance existing corridors and cam puildings, within the Urban Park future land use classifica connections and shared-use paths depicted in Figure 1- Campus Design Guidelines and Landscape Master Plan.	tional open spaces, reinforce clearly pus spaces particularly adjacent to tion, and along roadways, pedestrian
volicy 1.3.2: Implement appropriate landscape, hard mprovements in areas identified as Open Space Enhano mprovements may be implemented as part of a building or vojects funded through the Facilities Services Division, or invate donors. Such projects shall also reinforce the pedes orridors identified in Figure 1-4. These high-visibility ecommended for approval by the Lakes, Vegetation and Land	ement Priorities in Figure 1-5. These onstruction project or as independent ther administrative sources, grants or trian connections and shared-use path open space enhancements shall be
volicy 1.3.3: Maintain campus edges that are attracti andscape Master Plan priority projects (Figure 1-5) vayfinding signage, and intersection improvements (Fig Master Plan standards and the urban design goals of the adj	, gateway treatments (Figure 1-6), ure 8-10) compatible with Landscape
olicy 1.3.4: Consider the reduction of excessive hards ossibility of incorporating porous materials in areas of heav	
volicy 1.3.5: Continue to maintain and expand University invitampion and Heritage Specimens) and rare plants (both o	
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JNIVERSITY OF FLORIDA CAMPUS MASTER PLAN, 2020-2030	URBAN DESIGN ELEMENT
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4. Program Plan

Opportunities, characteristics, and constraints:

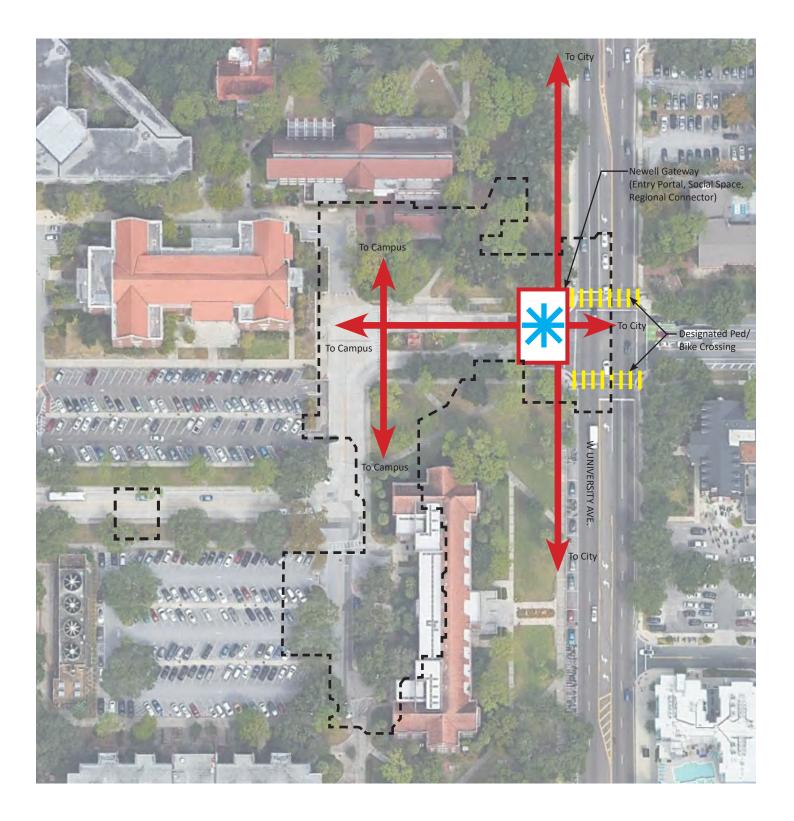
Located at its intersection with SW 13th Street, Union Road is converted to Northeast Gateway, a primary pedestrian gateway. It is a previously developed roadway with multiple parking lots. The gateway is the welcoming face to campus visitors and a main entry point onto the campus. Northeast Gateway also connects secondary walkways leading to surrounding buildings and the larger pedestrian network. The majority of existing trees are to remain and will be protected through construction. Additional trees are placed in adequate planting space which provide shade for the comfort of pedestrians and bicyclists. Low-maintenance shrub and groundcover planting areas contribute to collection of stormwater and infiltration.

Opportunities:

- Enhancing Landscape
- Upgrading Utilities
- Enhancing pedestrian and bicycle mobility

Constraints:

- Existing Trees
- Existing Utilities
- Continuous daily campus operations including heavy pedestrian traffic



5. Stakeholders and site user groups

Primary users are those members of the immediate campus population, that is, individuals who are on campus regularly for work or as students. Those would be the students, faculty/administration, and university employees.

Secondary users would individuals who are not regularly on campus and therefore would not have an opportunity to regularly use either gateway, only doing so on the occasions that they visit campus. Those individuals would be university visitors including alumni, visiting lecturers, prospective students and their families, etc. Also in that group would be Gainesville residents who might visit campus for any number of reasons including sporting events, cultural events, or just generally enjoying the beauty of the campus.

6. Plan for Construction Oversight

Elisabeth Manley, landscape architect with Manley Design, will be the team member responsible for construction oversight and will be coordinating the Construction Manager, Jennifer Lyons, CCPI. The pre-construction meeting will occur after the completion of the design and final bid acceptance and the method for making changes in the field during construction will follow standard practices.

7. Site Maintenance Plan

Site Maintenance Plan Strategy has been developed through collaboration with multiple entities throughout the University. Maintenance operations of Newell Gateway is mainly facilitated by the University's Grounds department of which intends to further our LMP goals, including irrigation whenever the opportunities exist.

Other entities include staff from our integrated pest management plan, Environmental Health and Safety, wastewater treatment staff to help meet our reclaimed water goals, waste and refuse staff to further divert as much waste from entering our local landfills. Once complete this document has been reviewed by UF's planning department to ensure that such activities are meeting the goals of our landscape master plan.

Refer to the table of Integrated Design Team members acknowledging participating in the development of the site maintenance plan.

SECTION 2: PRE-DESIGN ASSESSMENT + PLANNING

PREREQUISITE 2.2 CONDUCT A PRE-DESIGN SITE ASSESSMENT

Pre-design Site Visit

Below are photos of the design team conducting a pre-design site assessment for Newell Gateway. This included taking photos and learning more about the existing conditions of the site.





Notes from Minutes

Name	<u>Representing</u>	<u>ltem #</u>	Item Description and Details
Tom Schlick	UF	<u>Tigert</u>	Campus Entrance & Bus Stop:
		1-1	 Remove hollies and brick planters at bus stop and replace with
Dustin Stephany	UF		canopy trees in at-grade planter in same location.
Frank Bellomo	GAI		 Check with RTS to determine what shelter to use to replace existing
Donald Wishart	GAI		and if UF standard is permitted by RTS.
Sheeba West	GAI		 Existing handicap ramp drop corners are preferred at crosswalk
Andrea Penuela	GAI		 Alignment of gateway entry walls generally determined. May need to
Elisabeth Manley	Manley Designs		bridge foundation over existing water main. Alignment of walls
Jason O'Brian	Walker Architects		should align with west end of entry median hardscape.
Jaime Igua	VHB		• Need to determine if signal loops to be replaced or if cameras will be
Andrew Mitchell	Mitchell Gulledge		used.
Peter Risov	Mitchell Gulledge		 North curb line to remain in current location because of vault.
			 All drainage inlet tops at entrance area to be reconstructed.
			 Pedestrian landing zone at corners of entry should encompass in grade utility box in new layout.

Item # Item Description and Details

Tigert Campus Entrance & Bus Stop:

- 1-1
- Remove hollies and brick planters at bus stop and replace with canopy trees in at-grade planter in same location.
 - Check with RTS to determine what shelter to use to replace existing and if UF standard is permitted by RTS.
 - Existing handicap ramp drop corners are preferred at crosswalk
 - Alignment of gateway entry walls generally determined. May need to bridge foundation over existing water main. Alignment of walls should align with west end of entry median hardscape.
 - Need to determine if signal loops to be replaced or if cameras will be used.
 - North curb line to remain in current location because of vault.
 - All drainage inlet tops at entrance area to be reconstructed.
 - Pedestrian landing zone at corners of entry should encompass in grade utility box in new layout.
 - All trees in the existing plaza and hollies directly adjacent to building to be removed.
 - Assess drainage needs at well to doorway.
- 1-5 Little Parking Lot:
 - Consider moving the proposed location of the east drive aisle to the west side of the two existing oak trees.
 - Replace the sidewalk on the south side of the parking lot and reduce width slightly to allow for a long east/west landscape island where current concept plan shows head to head 90-degree parking.
 - Eliminate concrete in island at north parking bay and add landscape to receive stormwater runoff. Modify the drainage inlets.
 - Look at additional tree planting opportunities
- 1-6 Gatehouse:
 - Jason and Andrew inspected the existing gatehouse.
 - Cast concrete and doors may be re-purposed on new gatehouse.
 - Jason and Andrew to check with EH&S to determine if restroom in gatehouse is required by code. If not, Tigert restrooms would be utilized to meet requirement. Route from gatehouse to Tigert must be accessible.
- 1-7 Electrical:
 - Andrew reviewed the exiting light and transformer locations.
 - Vehicle charging station locations were discussed for both parking lots.

Site Assessment Worksheet

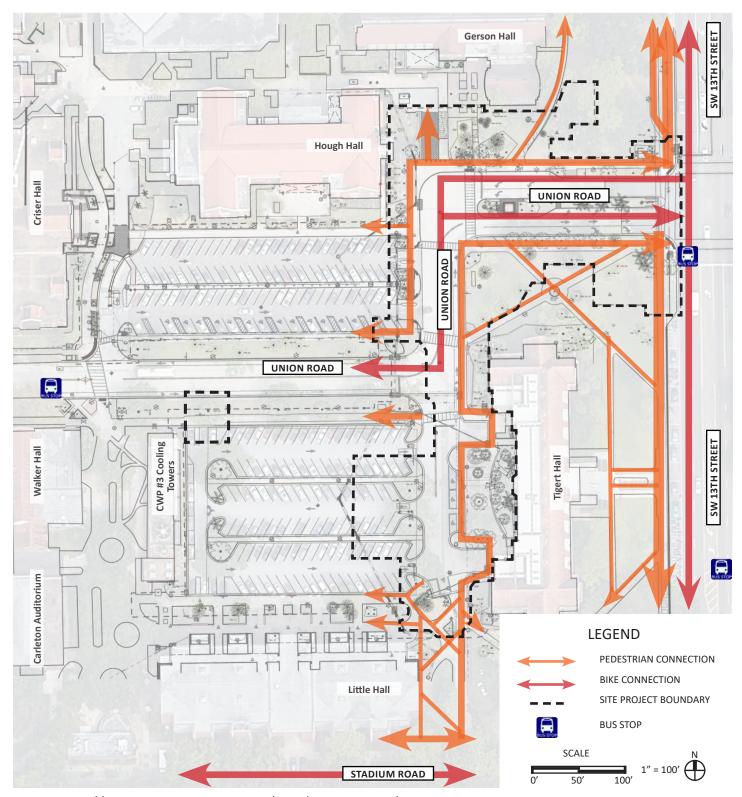
SITES[®] v2 Site Assessment Worksheet P2.2: CONDUCT A PRE-DESIGN SITE ASSESSMENT PROJECT NAME PROJECT ID# Northeast Gateway 13742 SITE CONTEXT Provide title of map(s) where information is Information collected can help achieve the Identify and map the following information identified and include any additional notes OR provide reasons for not addressing topics Describe how information gathered could influence site design following SITES Prerequisites and Credits C1.7: Connect to multi-modal Map at C1.7 provided by Regional Transit The information gathered could influence the layout of the hardscapes for this Existing or planned pedestrian, bicycle, or transit ransportation networks System of Gainesville; Map at C6.5 provided portion of campus and the possibility of providing new transit stops at the including: Nearby transit routes and stops, bicycle lanes by the University of Florida C6.5: Support physical activity. project site and shared lane markings, bicycle racks/storage, and C6.9: Encourage fuel efficient and multibicycle networks modal transportation WATER Identify and map the following information or provide a Information collected can help achieve the Provide title of map(s) where information is narrative as required by Table 2.A-B in the Reference following SITES Prerequisites and/or dentified and include any additional notes OR Describe how information gathered could influence site design provide reasons for not addressing topics Guide Credits FEMA flood maps were anazlyzed and it was The information gathered may influence the design of the impervious areas, determined that our site did not fall within the the approach to stormwater design including LID opportunities and the 100-year floodplain, as determined by FEMA (or local P1.2: Protect floodplain functions 100-year floodplain boundaries. specified landscape plants. equivalent for projects outside the United States). igure 7.2, the Natural Communities Map of The lack of aquatic ecosystems and wetlands could influence the design of the Conservation Element of the UF Campus the landscaping as well as the site drainage. Full extent of delineated aquatic ecosystems, including P1.3: Conserve aquatic ecosystems Master Plan indicates no aquatic ecosystem of isolated wetlands wetlands on site. Figure 7-2, Natural Communities Map and Figure 7-4, Water Resources Map of the UF The information gathered may influence the layout of the impervious areas possible LID approach to stormwter design and landscape plants specified. P1.3: Conserve aquatic ecosystems Campus Master Plan, indicates that there are Wetland, shoreline, or riparian buffer C3.6: Restore aquatic ecosystems no wetlands, shorelines or riparian buffers on the project site. Figure 7-4, Water Resources Map of the UF The information gathered could influence the layout of the impervious areas, Streams, wetlands, or shorelines that have been Campus Master Plan, and campus aerial stormwater and landscape design. artificially modified (e.g., buried, piped, drained, channelized, bulkheaded, or armored). Determine photos, 1932 to present, indicates that there C3.6: Restore aquatic ecosystems are no streams, wetlands or shorelines on the existing conditions, dimensions, and historic extent project site that were modified. The topographic survey of the site, completed The information gathered could influence the design of the impervious areas, P3.1; Manage precipitation on site by Deren Surveying, confirms generally flat the approach to sustainable stormwater design techniques and landscape C3.3: Manage precipitation beyond Overland water flow on site. Determine topography topography, and allows for understanding of current surface water flow.. The survey can be design baseline, C3.6: Restore aquatic ecosystems, direction of flow, and effects on the watershed, including natural rates of erosion found in the SWPPP - Stormwater Pollution P7.2: Control and retain construction Prevention Plan, Refer to C7.2 pollutants Review of 2010 UF Main Campus Water The information gathered may influence the layout of the impervious areas C1.5: Redevelop degraded sites, Quality Report. Includes water quality data on and the design of the approach to stormwater design as a part of the overall Existing and potential pollution sources (both point and C3.3: Manage precipitation beyond 20 sampling sites throughout the campus. campus stormwater system nonpoint sources) and health hazards, including on-site baseline. Reviewed UF Clean Water Camapaign with sources and off-site sources in adjacent areas that may P7.2: Control and retain construction online data. Analyzed UF Storm Drain System mpact the site pollutants map to determine possible connections from offsite sources into Lake Alice Watershed. The information gathered could influence the layout of the impervious areas, The average annual and monthly precipitation P3.1: Manage precipitation on site, data was acquired from the St. Johns River Water Management District (SJRWMD) the approach to the stormwater system design to capture precipitation on site and the selection of appropriate landscape plants. P3.2: Reduce water use for landscape irrigation. Hydrologic Data site. C3.3: Manage precipitation beyond Average annual and monthly precipitation baseline. C3.4:Reduce outdoor water use, C3.5: Design functional stormwater features as amenities Review of 2010 UF Main Campus Water The information gathered may influence the layout of the hardscapes, and stormwater design to capture and filter surface runoff before making its way P1.2: Protect floodplain functions, P3.1: Quality Report. Includes water quality data on Manage precipitation on site, C3.3: Manage precipitation beyond 20 sampling sites throughout the campus. Reviewed UF Clean Water Camapaign with offsite and downstream Watershed conditions including common stormwater pollutants, specific pollutants of concern, local, regional online data. Analyzed UF Storm Drain System haseline or state watershed plans, and artificial modification of map to determine possible connections from C3.5: Design functional stormwater natural hydrology features as amenities. offsite sources into Lake Alice Watershed. C3.6: Restore aquatic ecosystems Jtilized the map "Watersheds University of Florida" Availability of potable and non-potable water The information gathered could influence the landscape design as well as the on site came from UF Facilities utility maps. Greywater is available. Capuring rainwater for P3.2: Reduce water use for landscape design of an efficient, reclaimed water irrigation system with components that are designed to be temporary. irrigation. C3.3: Manage precipitation beyond irrigation use was considered but not implemented because of the limited available Potable and non-potable water for the site and opportunities to capture, treat, and reuse rainwater and baseline. space for cisterns, the amount of water graywater C3.4:Reduce outdoor water use, needing to be made available, and the concern C3.5: Design functional stormwater over possible vandalism at the site eatures as amenities

SOILS					
Identify and map the following information or provide a narrative as required by Table 3.A-B in the Reference Guide	Information collected can help achieve the following SITES Prerequisites and/or Credits	Provide title of map(s) where information is identified and include any additional notes OR provide reasons for not addressing topics	Describe how information gathered could influence site design.		
Soils defined by the U.S. NRCS (or local equivalent for projects outside the United States) as prime farmland, unique farmland, farmland of statewide importance, or farmland of local importance.	P1.1: Limit development on farmland	Soil data was gathered from U.S. NRCS maps. Soil is not defined as farmland. Additional sol information specific to the site was completed by the geotechnical engineer.	The information gathered could influence the plants specified and the apporach to storm system design including possible LID techniques.		
Healthy soils found on site.	P4.1: Create and communicate a soil management plan, C4.4: Conserve healthy soils and appropriate vegetation, P7.3: Restore soils disturbed during construction	Figure 7-3, Solis map, from the Conservation Element of the UF Campus Master Plan. Also utilized US Dept. of Agriculture Soil Conservation Service Soil Survey of Alachua County.	The information gathered may influence the preservation of existing trees on site which have extensive root systems that are critical to the soil structure. Could also influencen the plants specified and the apporach to storm drainage.		
Soils disturbed by previous development. Identify degree of disturbance (disturbed or severely disturbed) and the following characteristics: organic matter content and depth, texture and bulk densities, infiltration rates, soil biological function and soil chemical characteristics.	C7.4: Restore soils disturbed by previous development	See the plan at C7.4	The information gathered will influence design, establishment and maintenance of landscapes,hardscapes and site drainage.		
Test results or verified allowable ranges for organic matter, compaction or infiltration and soil chemical characteristics or soil biological function	 P4.1: Create and communicate a soil management plan, C6.7: Provide on-site food production, P7.3: Restore soils disturbed during construction C7.4: Restore soils disturbed by previous development 	Soil test results were completed and the results are found at C7.4	The information gathered could influence design, establishment and maintenance of landscape on site. It could also help determine the viability of on-site food production.		
Major native plant community types of the ecoregion based on the U.S. EPA (or local equivalent for projects outside of the United States), www.epa.gov/wed/pages/ecoregions/level_iii_iv.htm	C4.6: Conserve and use native plants, C4.7:Conserve and restore native plant communities	Per EPA, the Level I Ecoregion is Eastern Temperate Forest, Level II is Mississippi Alluvial and SE Coastal Plain and Level III Ecoregion is Southern Coastal Plan.	The information will influence plant material selection and maintanence and the determiation if exisitng native habitat exists for restoration or augmentation.		
Determine the terrestrial biome by using the World Wildlife Fund Wildfinder, www.worldwildlife.org/science/wildfinder/	C4.8: Optimize Biomass	WWF Wildfinder identifies the terrestrial biome asTemperate Coniferous Forest	The information will influence plant material selection and maintanence and the determiation if exisitng native habitat exists for restoration or augmentation.		
Follow local, state and federal regulations to ensure existing and imported soils are healthy for food production and are safe for physical contact by the public. For previously developed sites, brownfield sites or sites that have been subject to application of chlorinated pesticides and herbicides, see section 3.B. in Reference Guide for requirements	C6.7:Provide on-site food production	On site food production was deemed inappropriate for this site due to its highly urbanized character, limited space and high concentration of pedestrians, bicycles and scooters. Additionally, on site (i.e. on-campus) food production is dedicated to another part of the UF campus.	The presence of food production elsewhere on campus, concentrating energy expenditure to a single campus location, is a more appropriate approach to food production at UF.		
		VEGETATION			
Identify and map the following information or provide a narrative as required by Table 4.A in the Reference Guide	Information collected can help achieve the following SITES Prerequisites and/or Credits	Provide title of map(s) where information is identified and include any additional notes OR provide reasons for not addressing topics	Provide narrative describing how information gathered could influence site design.		
Potential threatened or endangered species habitat. Include plant and animal species identified on federal or state threatened or endangered lists or on the International Union for Conservation of Nature Red List of Threatened Species as critically threatened or endangered.	P1.4: Conserve habitats for threatened and endangered species, P2.3 Designate and communicate VSPZs	No such habitat exists for plants of animals on this highly urbanized site. Refer to the letter in Credit P1.4 regarding Habitat Assessment	This information may influence plant material selection to support native flora and fauna.		
Zones of land cover or vegetation types. Note whether each zone contains the following: - invasive plants as listed by regional, state, or federal entities - native plants and native plant communities - appropriate plant species - special status plants (for trees, note DBH)	 P4.2: Control and manage invasive plants, P4.3: Use appropriate plants, C4.4: Conserve healthy soils and appropriate vegetation, C4.5: Conserve apecial status vegetation, C4.6: Conserve and use native plants, C4.7: Conserve and restore native plant communities, C4.8: Optimize biomass 	See P1.4 list. P4.3 - Planting Plan (see Landscape Master Plan list of approved plants). Refer also to C4.5 Site Map. On-site analysis reveals some native trees exist on site including remnant longleaf pine from original pine flatwoods.	This information could influence plant material selection. The information may also affect the decision of trees that must be retained and the possibleaugmentation of the longleaf pine at this part of the campus.		
Risk of catastrophic wildfire for on-site areas and adjacent landscapes at risk	C4.11: Reduce the risk of catastrophic wildfire	As a developed and highly urban environment, thre is a very risk of wildfire. In addition, the site is well protected by the City of Gainesville	This information may influence plant material selection and the determination of whether there are plants on site that increrase the chance of fire.		

	M	ATERIALS INVENTORY			
Identify and man the following information or provide a					
Identify and map the following information or provide a narrative as required by Table 4.B-C in the Reference Guide	Information collected can help achieve the following SITES Prerequisites and/or Credits	provide reasons for not addressing topics	Describe how information gathered could influence site design.		
Existing landscape materials and other site elements (e.g. structures, roads, parking lots, pathways) that could be safely retained, salvaged, reused, or recycled.	 C5.2: Maintain on-site structures and paving C5.4: Reuse salvaged materials and plants, C7.5: Divert construction and demolition materials from disposal C7.6: Divert reusable vegetation, rocks, and soil from disposal 	See data on C5.2 Maintain on-site structures and paving. See data on C5.4 Reuse salvaged materials and plants, materials and disposal. See data on C7.6 Divert reusable vegetation, rocks, and soil disposal.	This information will influence the salvaging and disposal of existing bricks, concrete and landscape and can minimize the need for new materials.		
Potential suppliers of salvaged or reused materials,	C5.4: Reuse salvaged materials and plants	This information will influence the salvaging and disposal of existing bricks, concrete and landscape and can minimize the need for new materials.	This information will influence the selection of suppliers for pavers and furnishings.		
Potential suppliers of recycled materials,	C5.5: Use recycled content materials	See data on C5.5 Use recycled content materials.	This information will influence the selection of suppliers for bricks, wall materials, benches, lighting and landscape and irrigation materials.		
Potential suppliers of regional and local materials	C5.6: Use regional materials C6.11: Support local economy	See data on C5.6 Use regional materials. See data on C6.11 Support local economy.	This information will influence the selection of suppliers for all project construction materials and design elements.		
Potential suppliers of sustainable extracted materials	C5.7: Support responsible extraction of raw materials	See data on C5.7 Support responsible extraction of raw materials.	This information will influence the selection of suppliers of raw materials for the project.		
Potential suppliers of safer alternative materials	C58: Support transparency and safer chemistry	See data on C5.8 Support transparency and safer chemistry.	This information will influence the selection of suppliers for those that advocate and/or disclose their use use of materials which list chemicals and assess related hazards.		
Potential suppliers of sustainable materials manufacturers	C5.9: Support sustainability in materials manufacturing	See data on C5.9 Support sustainability in materials manufacturing.	This information will influence the selection of suppliers for bricks, wall materials, benches, lighting and and other products to those who advocate and/or disclose information related to the sustainable production of their materials.		
Potential suppliers of sustainable plant producers	C5.10 : Support sustainability in plant production	See data on C5.10 Support sustainability in plant production.	This information will influence the selection of growers and suppliersol landscape plants and turf.		
Potential local workforce and businesses	C6.11: Support local economy	See data on C6.11 Support local economy.	This information will influence the contractor who is hired to construct the project as well as his/her subcontractoors and staffing.		
	•	HUMAN USE OF SITE			
Identify and map the following information	Information collected can help achieve the following SITES Prerequisites and/or Credits	Provide title of map(s) where information is identified and include any additional notes OR provide reasons for not addressing topics	Describe how information gathered could influence site design.		
Nearby shops, services, and facilities in operation that have pedestrian access to site. Map walk distances of these basic services from planned project entrance.	C1.6: Locate projects within existing developed areas	C1.6 Vicinity Map and Site Plan	This information will influence improving connectivity to facilities adjacent to the site.		
Historic buildings, structures, objects, and cultural landscapes that are significant to local culture and histories. Note whether these are listed in a historic register.	C6.1: Protect and maintain cultural and historic places	Refer to C6.1 Site Photographs and Maps provided by UF Planning, Design and Construction and UF Facilities at http://historic.facilities.ufl.edu/	This information could influence the site design to preserve and protect the buildings and existing mature trees on site.		
	C6.2: Provide for optimum site accessibility, safety, and wayfinding, C6.4: Support mental restoration, C6.5: Promote physical activity, C6.6: Support social connection	Refer to site plans at C6.2, C6.4, C6.5 and C6.6. Map at C6.5 by the University of Florida	This information will influence the layout of benches, lights and consider shade and safety of pedestians.		
	C	LIMATE AND ENERGY			
Identify and map the following information or provide a narrative as required by Table 6.A-B in the Reference Guide	Information collected can help achieve the following SITES Prerequisites and/or Credits	provide reasons for not addressing topics	Describe how information gathered could influence site design.		
excessive noise, wind, and sun exposure (sun angles)	C4.10: Use vegetation to minimize building energy use, C4.11: Reduce the risk of catastrophic wildfire, C6.4: Support mental restoration, C6.5: Promote physical activity, C6.6: Support social connection	Refer to C6.4 Site Plan C6.5 Site Plan C6.6 Site Plan. Wind data provided by www.weatherspark.com. Noise data provided by rentlingo.com/noise-index	This information will influence the protection of existing trees that provide shade to pedestrians on site and will influence plant selection esecially related to microclimate and safety for pedestrians.		
Opportunities to generate renewable energy on site (e.g., wind, solar, geothermal, low-impact hydro)	C8.6: Use renewable sources for landscape electricity needs	Wind data provided by weatherspark.com. Refer also to Map at C4.9 for shading information	This information may influence the use of solar or wind energy		
ADDITIONAL CONSIDERATIONS					
Identify and map the following information	Information collected can help achieve the following SITES Prerequisites and/or Credits	Provide title of map(s) where information is identified and include any additional notes OR provide reasons for not addressing topics	Describe how information gathered could influence site design.		
Any additional considerations not included in the above					

42

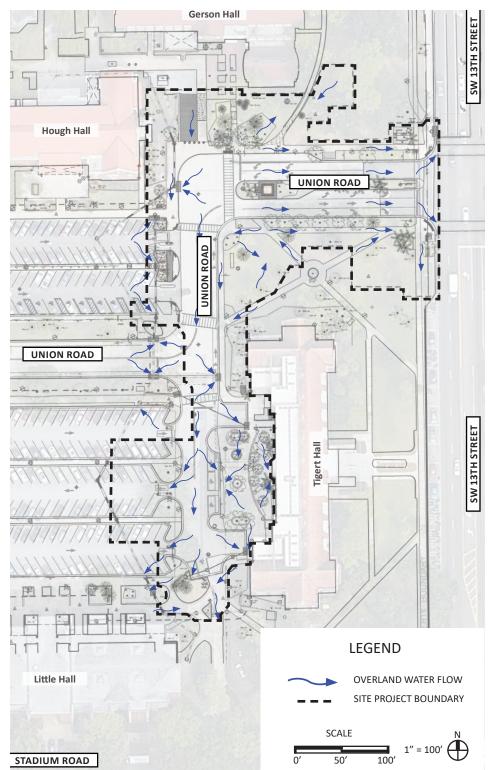
1. Site Context - Community and Connectivity



Source: https://gainesvillefl.maps.arcgis.com/apps/webappviewer/index.html?id=8e43b21cb3fc46bea35eccea2c67026f

2. Water

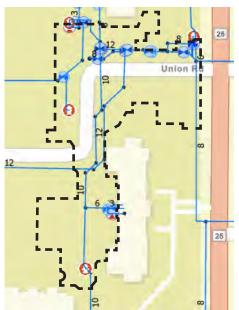
The site is not located within the 100-year floodplain and does not contain any aquatic ecosystems, wetlands, shorelines, riparian buffers or streams. Union Road and SW 13th Street are sources of urban vehicular pollution. Union Road is a source of urban vehicular pollution that may include heavy metals, oils and gas. There is potable and non-potable water access on site. The site is located within the Lake Alice Watershed which drains approximately 60% of the UF main Campus.



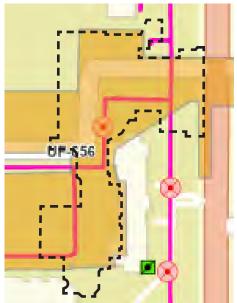
Precipitation

47.09 in. Average Annaul Precipitation 3.92 in. Average Monthly Precipitation

Potable Water Source



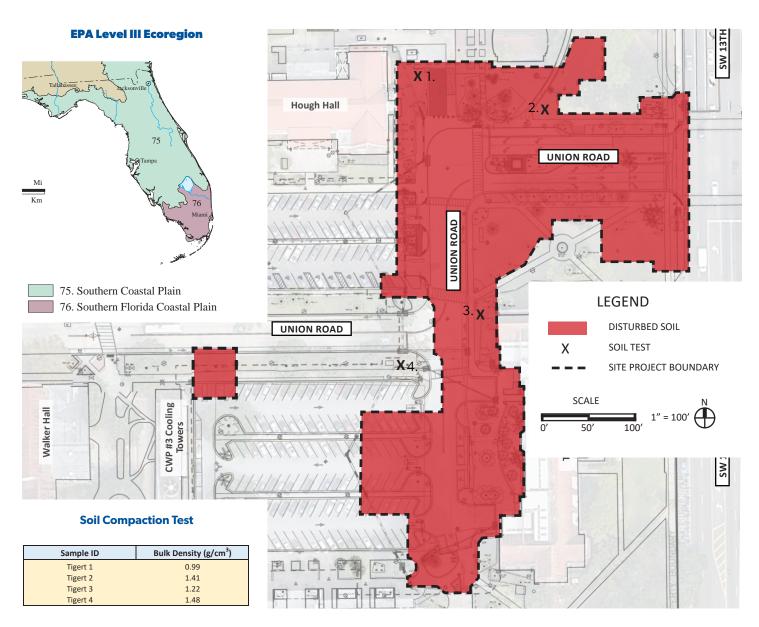
Non-Potable Water Source



SECTION 2: PRE-DESIGN ASSESSMENT + PLANNING

3. Soils

According to the EPA level III ecoregion, Southern Florida Coastal Plain is the major native plant community type on site. The site is not located on farmland and there will be no on-site food production.



Soil Chemical Characteristics

ty

Test 1 - Organic Matter Results

AB-DTPA Extractable Nutrients	
PHOSPHORUS (mg/Kg or ppm P)	15
POTASSIUM (mg/Kg or ppm K)	6
MAGNESIUM (mg/Kg or ppm Mg)	9
CALCIUM (mg/Kg or ppm Ca)	238

Test 2 - Organic Matter Results

Nutrie	nts	Level mg/kg or ppm	Interpretation	Nutri	ents	Level mg/kg or ppm	
	(P) (K) ∕Ig)	229 111 218	HIGH HIGH HIGH	Sulfur Copper Manganese Zinc	(S) (Cu) (Mn) (Zn)	22.1 2.1 10.3 25.6	*For these nutrients see directions on the following pages
Calcium (Ca)	1661	Ca is typically	adequate in Fl	orida :	soils	J

Test 3 - Organic Matter Results

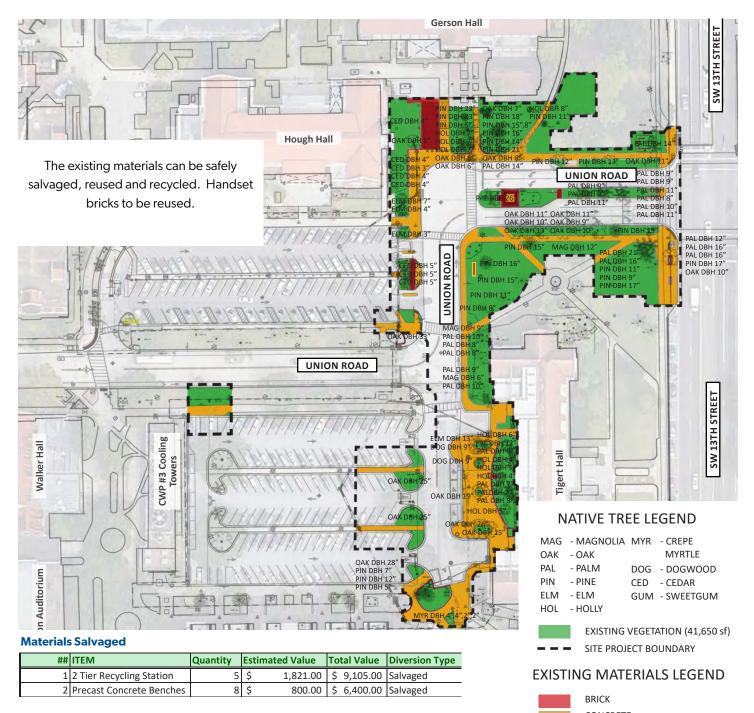
Nutrients	Level mg/kg or ppm	Interpretation	Nutrients	Level mg/kg or ppm	
Phosphorus (P) Potassium (K) Magnesium (Mg)	314 65 283	High High High	Sulfur (S) Copper (Cu) Manganese (Mn) Zinc (Zn)	21.1 3.5 15.7 38.8	*For these nutrients see directions on the following pages
 Calcium (Ca)	2127	Ca is typically	adequate in Florida	soils	J

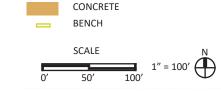
Test 4 - Organic Matter Results

Nutrients	Level mg/kg or ppm	Interpretation	Nutrients	Level mg/kg or ppm	
Phosphorus (P) Potassium (K)	119 44	HIGH MEDIUM	Sulfur (S) Copper (Cu)	18.1 1.3	*For these nutrients see directions on the
Magnesium (Mg) Calcium (Ca)	172 1452	HIGH Ca is typically	Manganese (Mn) Zinc (Zn) adequate in Florida	5.1 15.4 soils	following pages

4. A. Vegetation & B. Materials Inventory

The site does not contain any invasive plants and is not as risk for catastrophic wildfires. The site is characterized by urban conditions and does not include natural areas or identifiable habitat for threatened or endangered plant and animal species. There is potential for the site to be utilized as foraging habitat by the following threatened or endangered plant and animal species: Sherman's fox squirrel (Sciurus niger shermani), and Sandhill cranes (Grus canadensis pratensis).





4. C. Materials, Plants, Soils and Labor Procurement

SRM Concrete (Concrete)

Ken Russi / Email: <u>krussi@smyrnareadymix.com</u>

Anderson Columbia Co. Inc. (Asphalt)

Julio Amparo / Email: Julio.Amparo@andersoncolumbia.com

Limerock Industries, Inc (Limerock)

Dawn Summers / Email: summersdawn@bellsouth.net

HD Whitecap (Steel & Wire for Concrete)

Terry Mulligan / Email: <u>Terry.Mulligan@whitecap.com</u>

Storm Structures

Material Supplies for UF-656 Landscape Master Plan Project Oldcastle Infrastructure Zoila Chavarria (Zoila.Chavarria@oldcastle.com) 904-577-9136

Precast Concrete

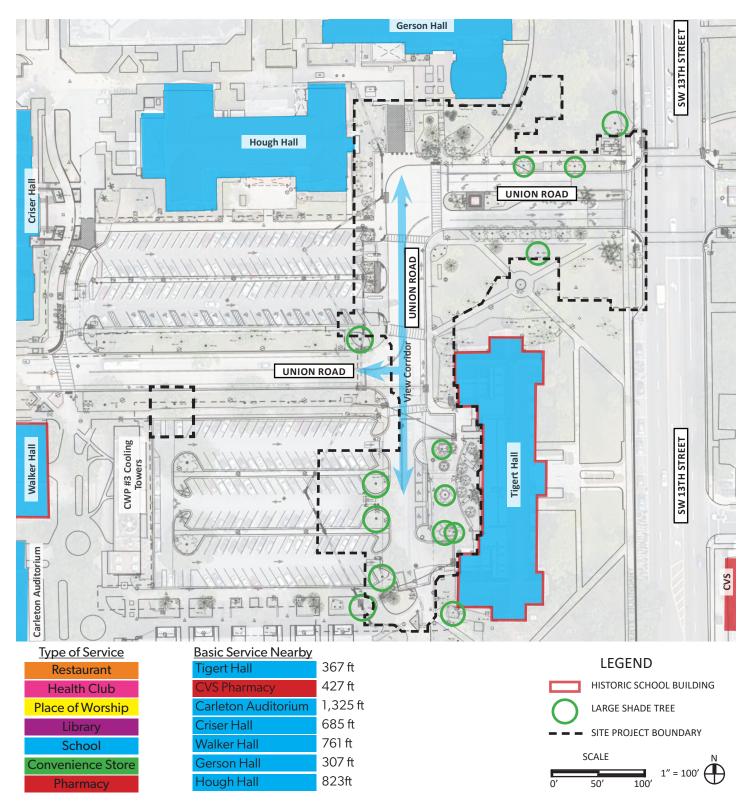
Material Supplies for UF-656 Landscape Master Plan Project Spring Precast John Cronin (<u>icronin@springprecast.com</u>) 229-938-0175

USI

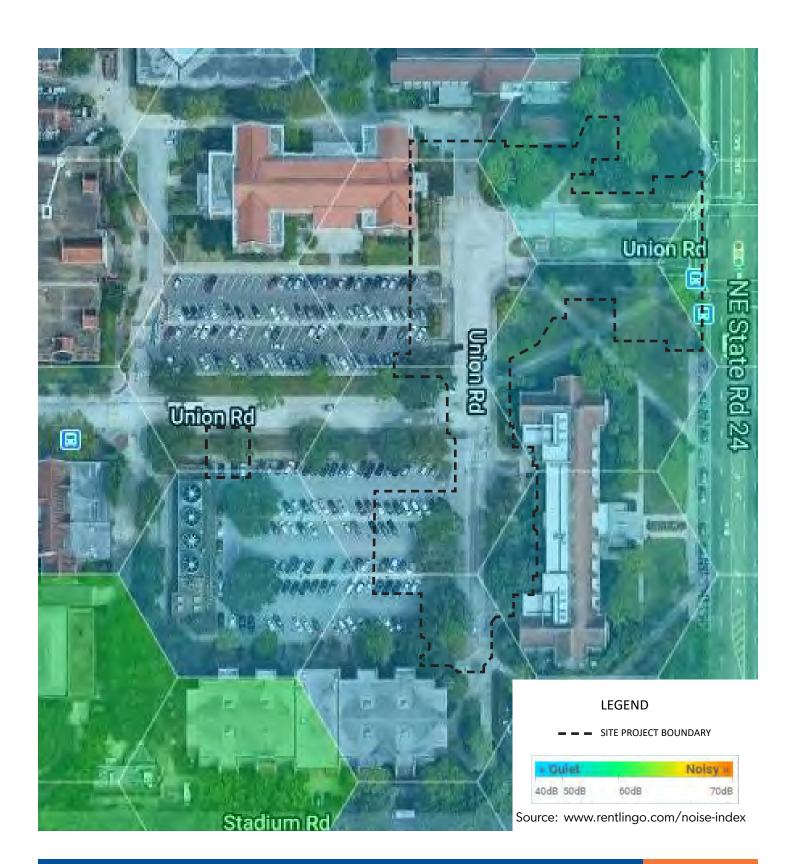
Material Supplies for UF-656 Landscape Master Plan Project Core and Main Jim Chambers (<u>jim.chambers@coreandmain.com</u>) 352-351-814

5. Human Use of Site

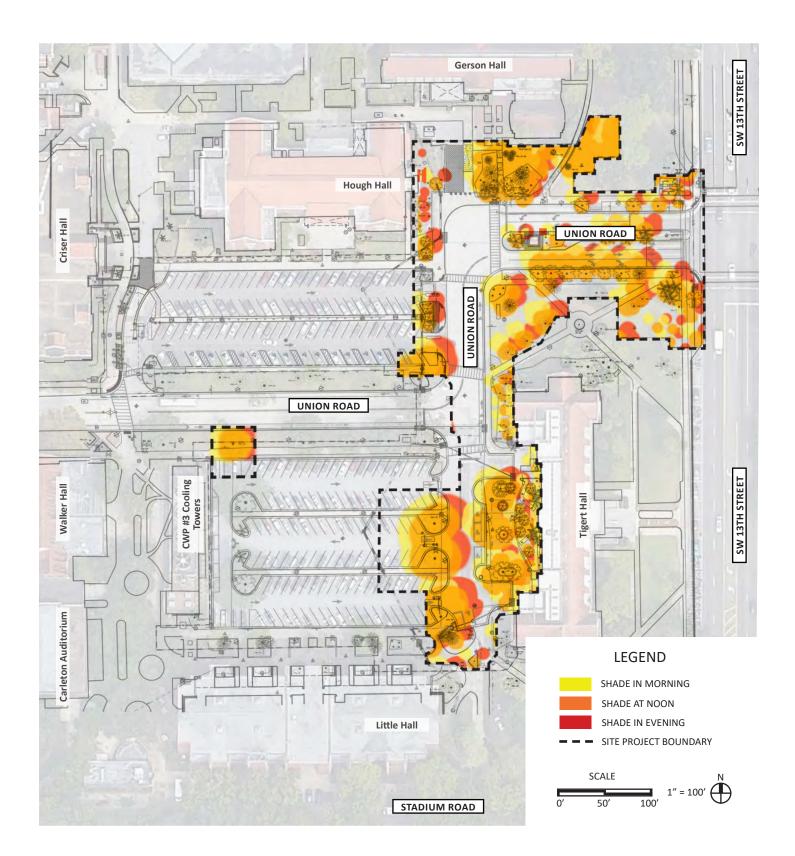
The University of Florida campus historic district was added to the National Register of Historic Places on April 20th in 1989, registration number 8AL 2552.



6. Climate and Energy



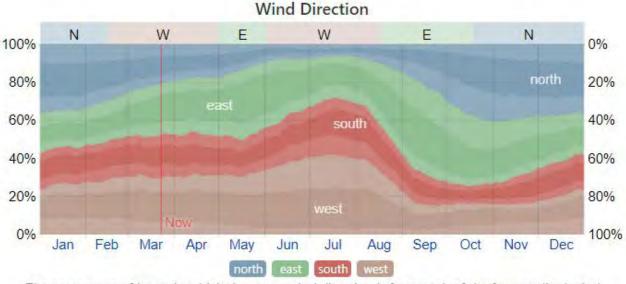
6. Climate and Energy



6. Climate and Energy

The predominant average hourly wind direction in Gainesville varies throughout the year.

The wind is most often from the west for 2.5 months, from February 15th to April 10th and for 2.5 months, from June 2nd to August 17th, with a peak percentage of 42% on July 16th. The wind is most often from the east for 1.1 months, from April 30th to June 2nd and for 2.0 months, from August 17th to October 18th, with a peak percentage of 47% on September 11th. The wind is most often from north for 3.9 months, from October 18th to February 15th, with a peak percentage of 36% on January !st.



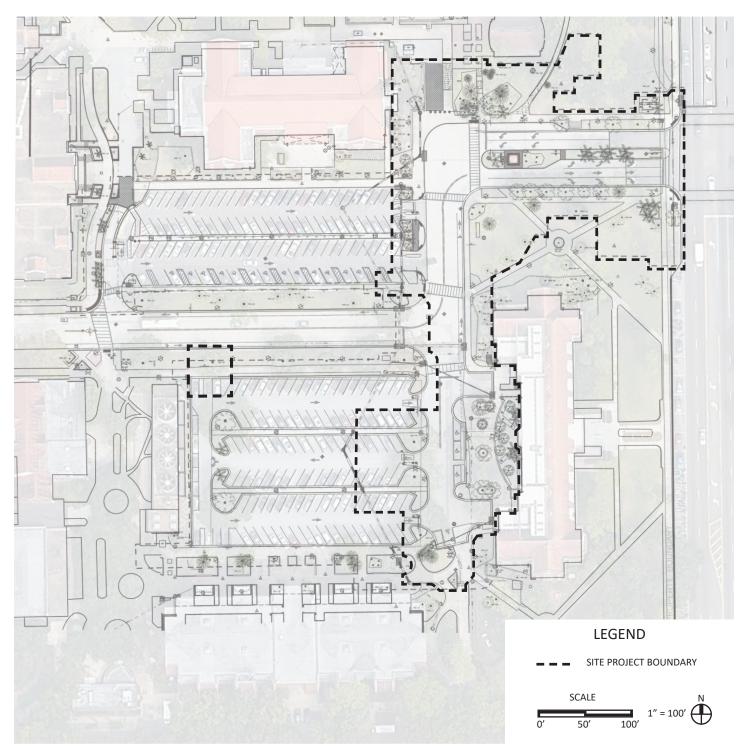
The percentage of hours in which the mean wind direction is from each of the four cardinal wind directions, excluding hours in which the mean wind speed is less than 1.0 mph. The lightly tinted areas at the boundaries are the percentage of hours spent in the implied intermediate directions (northeast, southeast, southwest, and northwest).

Source: www.weatherspark.com

Prerequisite 2.3 Designate and communicate Vegetation and Soil Protection Zones (VSPZs)

Site plan

VSPZ boundaries are shown to the greatest extent possible. Due to large size of existing trees the VSPZ boundaries do not meet requirements. Tree protection barriers will be installed around base of tree before construction begins to protect all above ground portions of trees from mechanical damage, protect root systems from compaction, and provide awareness of protected areas to equipment operators. There is to be no staging of construction materials below canopy.





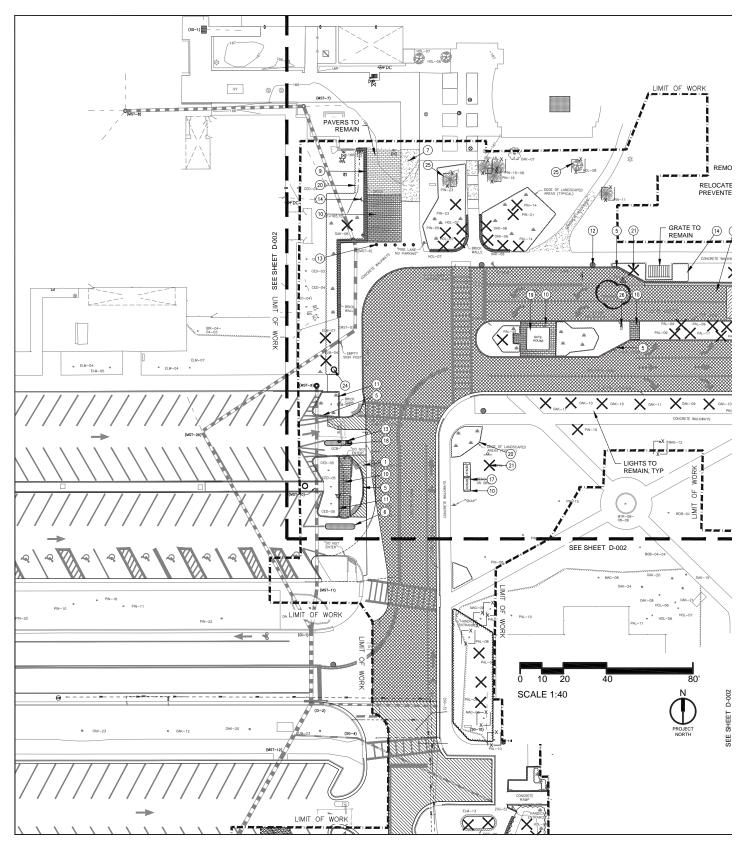
Photographs of Tree Protection and Signage

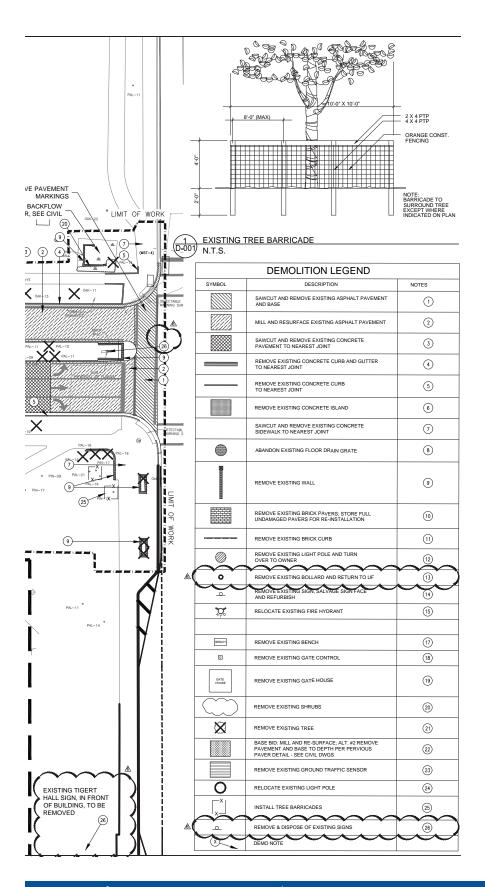


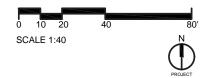


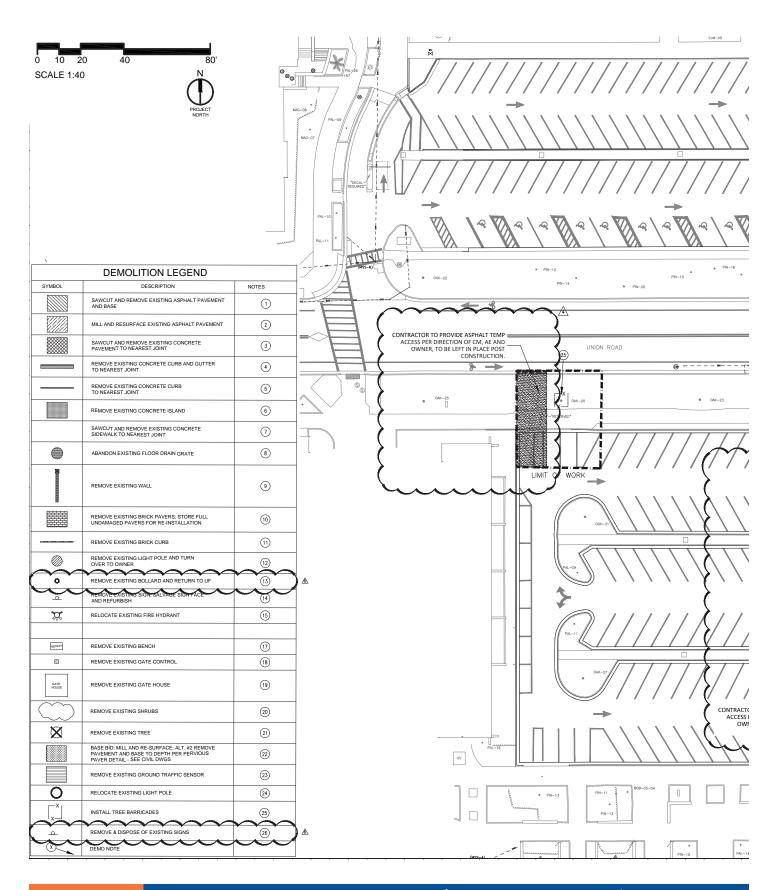


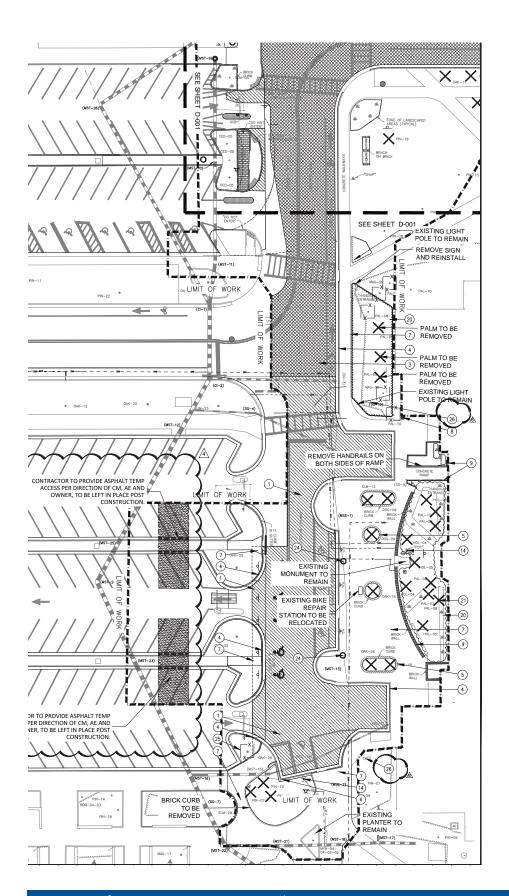
Construction Documents

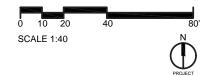












Specifications

31 13 00 SELECTIVE TREE AND SHRUB REMOVAL AND TRIMMING

SECTION 1 – GENERAL

- 1.1 SUMMARY
 - A. This section includes general protection and pruning of existing trees and plants that are affected by execution of the Work, whether temporary or permanent construction.

1.2 DEFINITIONS

A. The Protection Zone shall be defined as the area surrounding individual trees or groups of trees to be protected during construction, and is further defined by a circle concentric with each tree with a radius 1.5 times the diameter of the drip line unless otherwise indicated.

1.3 SUBMITTALS

- A. Contractor shall provide product data for each type of product indicated.
- B. Contractor shall provide samples for each type of organic mulch in sealed plastic bags labeled with composition of materials by percentage of weight, protection zone fencing, and protection zone signage.
- C. Contractor shall provide a written Tree Pruning Schedule detailing scope and extent of pruning of trees to remain that interfere with or are affected by construction.
- E. Contractor shall provide maintenance recommendations from an arborist, for care and protection of trees affected by construction during and after completing the Work.
- F. Contractor shall provide documentation of existing trees and plantings indicated to remain, which shall establish preconstruction conditions that might be misconstrued as damage caused by construction activities.

1.4 QUALITY ASSURANCE

- A. Arborist shall be an arborist certified by ISA, be licensed arborist in the jurisdiction where Project is located, and be a current member of ASCA, or registered Consulting Arborist as designated by ASCA.
- B. Contractor shall conduct pre-installation conference at the project site.

1.5 **PROJECT CONDITIONS**

- A. The following practices are prohibited within protection zones:
 - 1. Storage of construction materials, debris, or excavated material.

SELECTIVE TREE AND SHRUB REMOVAL AND

31 13 00 - 1

- 2. Parking vehicles or equipment.
- 3. Foot traffic.
- 4. Erection of sheds or structures.
- 5. Impoundment of water.
- 6. Excavation or other digging unless otherwise indicated.
- 7. Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated.
- B. Contractor shall not direct vehicle or equipment exhaust toward protection zones.
- C. Contractor shall prohibit heat sources, flames, ignition sources, and smoking within or near protection zones and organic mulch.

SECTION 2 – MATERIALS

- 2.1 MATERIALS
 - A. Topsoil shall be:
 - Natural or cultivated top layer of the soil profile or manufactured topsoil; containing organic matter and sand, silt, and clay particles; friable, pervious, and black or a darker shade of brown, gray, or red than underlying subsoil; reasonably free of subsoil, clay lumps, gravel, and other objects more than 1 inch in diameter; and free of weeds, roots, and toxic and other non-soil materials.
 - 2. Stockpiled topsoil from areas cleared and grubbed or stripped from locations shown on Drawings or locations stripped as directed by the Utility.
 - B. Organic Mulch shall be wood and bark chips, free from deleterious materials.
 - C. Protection-Zone Fencing shall be fencing fixed in position and may be previously used materials when approved by the Utility.
 - 1. Plastic Protection-Zone Fencing shall be plastic construction fencing constructed of high-density extruded and stretched polyethylene fabric with 2-inch maximum opening in pattern and supported by tubular or T-shape galvanized-steel posts spaced not more than 8 feet apart, and shall be non-fading high-

visibility orange in color.

- 2. The height of the fencing shall be 4 feet.
- D. Protection-Zone Signage shall be shop-fabricated, rigid plastic or metal sheet with attachment holes pre-punched and reinforced; and legibly printed with non-fading lettering.

SECTION 3 – EXECUTION

- 3.1 EXAMINATION AND PREPARATION
 - A. Contractor shall examine the site to verify that temporary erosion and sedimentation control measures are in place. Contractor shall verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross protection zones. Erosion and sedimentation control measures are to be as specified in Division 31 25 00 Erosion and Sedimentation Control.
 - B. Contractor shall protect tree root systems from damage caused by runoff or spillage of noxious materials while mixing, placing, or storing construction materials. Contractor shall protect root systems from ponding, erosion, or excessive wetting caused by dewatering operations.
 - C. Contractor shall mulch areas inside protection zones and other areas indicated with 4inch average thickness of organic mulch. Do not place mulch within 6 inches of tree trunks.

3.2 PROTECTION ZONES

- A. Contractor shall install protection-zone fencing along edges of protection zones in a manner that will prevent people from easily entering protected area.
- B. Contractor shall install protection-zone signage in visibly prominent locations in a manner approved by the Utility.
- C. Contractor shall repair or replace trees, shrubs, and other vegetation indicated to remain or be relocated that are damaged by construction operations, in a manner approved by the Utility.
- D. Contractor shall maintain protection-zone fencing and signage in good condition as acceptable to the Utility and remove when construction operations are complete and equipment has been removed from the site.

3.3 EXCAVATION

A. Contractor shall excavate at edge of protection zones and for trenches indicated within protection zones according to requirements in Section 31 20 00 Excavation Trenching and Backfilling.

- B. Where utility trenches are required within protection zones, the Contractor shall hand excavate under or around tree roots or tunnel under the roots by drilling, auger boring, or pipe jacking. Contractor shall not cut main lateral tree roots or taproots; cut only smaller roots that interfere with installation of utilities. Cut roots as required for root pruning.
- C. Contractor shall not allow exposed roots to dry out before placing permanent backfill.

3.7 FIELD QUALITY CONTROL

A. Contractor shall engage a qualified arborist to direct plant-protection measures in the vicinity of trees, shrubs, and other vegetation indicated to remain and to prepare inspection reports.

CREDIT 2.4 ENGAGE USERS AND STAKEHOLDERS

1. Site assessment process and program plan

Grounds

Individual site users and stakeholders who participated in the program plan and site assessment process included those individuals identified in Prerequisite 2.1. They represented the following stakeholder groups:

Students

- Faculty
- University Staff:
- Facilities Engineering Security IT University Police UF Planning Environmental Health and Safety Athletics Parking and Transportation University Architect
- University Administration
- University Alumni
- City of Gainesville
- Gainesville Community Redevelopment Agency
- Alachua County
- Gainesville Residents

The Northeast Gateway project was initially conceived as an integral part of the University of Florida Campus Landscape Master Plan, completed in 2020. As a part of the Landscape Master Plan process, Steering and Stakeholder Committees were established to determine desired areas of campus improvement and an overall campus wide approach to sustainability in the future disposition of roads, campus edges, pedestrian ways, water bodies, open spaces, connectivity to the City of Gainesville and other typologies. Steering and Stakeholder Committee members, who are the ultimate suite users and stakeholders, can be found in those committee meeting minutes (See Appendix A).

As a result of the Campus Landscape Master Plan, thirteen Priority Projects were identified, including Northeast Gateway. The initial concept design for Northeast Gateway was created at this Master Plan level. Because of its importance to the future of the campus the University advanced the project for detailed design and construction, resulting in an additional level of design scrutiny and review by five standing committees at UF who reviewed the Northeast Gateway project at both the schematic design and design development stages. These committees are comprised of university faculty with a particular expertise in the subject matter of the committee on which they serve as well as student representatives. Additional committee members include university staff, students, City of Gainesville and Alachua County representatives and other interested and affected parties. Committee members and who they represent can be found in the minutes of each committee meeting (See Appendix A). Minutes of the Parking and Transportation Committee were not made publicly available. Also included are copies of the presentations that were made to each committee at the schematic and design development phases of the project. These committees include Lakes, Vegetation and Landscaping (LVL), Architectural Review Council (ARC), Parking and Transportation, Land Use and Historic Preservation.



Goal: 3 points

Based on the input of site users and stakeholders, the programmatic and functional needs were identified as:

- Establish a design aesthetic befitting a top 5 public university
- Strengthening the existing tree canopy while assuring diversity of species.
- Improving campus wayfinding
- Improving connectivity throughout campus, city, and county
- Designing vehicular areas to accommodate future use by autonomous vehicles
- Incorporating artful and educational treatment of rainwater on campus
- Enhancing campus edges and creating defined gateways to create a more welcoming campus and strengthen connections to the city
- Providing safe accommodations for pedestrians and cyclists
- Creating consistency of design and materials across campus

2.Schematic design review

As described above, the Schematic design plans for the Northeast Gateway project were reviewed by the following committees on the dates indicated:

 Architectural Review Council 	December 1, 2020
 Parking and Transportation 	December 8, 2020
 Lakes, Vegetation and Landscaping 	December 10, 2020
Historic Preservation	December 15, 2020
Land Use	February 2, 2021

The schematic design plans for the Northeast Gateway project were presented to the five UF committees at their regularly scheduled meetings. Copies of the minutes of those meetings are attached (See Appendix B). Highlighted on those minutes found in the Appendix for each meeting is an explanation of the details of the presentation made by the design team, along with committee member comments. Requested revisions were made at the Design Development level.

3. Design development presentation and review

Design development plans for the Northeast Gateway project were reviewed by the following committees on the dates indicated:

 Architectural Review Council 	February 2, 2021
 Parking and Transportation 	February 9, 2021
Historic Preservation	February 16, 202
 Lakes, Vegetation and Landscaping 	February 22, 2021
Land Use	March 2, 2021

Design development drawings for the Northeast Gateway project were presented to the five review committees at their regularly scheduled meetings. Copies of the minutes of those meetings are attached (See Appendix C). Following each presentation, the committee discussed concerns with appropriateness of design, sustainability, safety and security and other issues of concern to the individual committee members. Each one of the five committees approved the design development drawings as presented. Some requested minor modifications to the drawings and requested modifications, if any, were made as the contract documents were completed.

4. Present the design to the public

The design of the Northeast Gateway project was developed during the completion of the UF Campus Landscape Master Plan (LMP), prior to retaining the design team to complete the drawings and specifications for bidding and construction. It was at the LMP stage that the design intent was set.

The previously described Steering Committee and Stakeholder Committee members represented a cross section of the entire UF community. Additionally, during the completion of the LMP, 2 meetings were held at the campus student union, open to the public and any UF faculty, student or university staff member. Those portions of the presentation featuring the Northeast Gateway design from the overall Campus Landscape Master Plan (See Appendix D).

The project was also shared with the public in multiple newspapers. (See Below).

The Gainesville Sun | Gainesville.com

UF's Northeast Gateway part of efforts to create beautiful, welcoming campus

Carlos Dougnac and Linda B. Dixon Guest colu

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The University of Florida has a new "front door" - the Northeast Gateway, which is the first step in turning the core of our campus into a pedestrian realm.

The Northeast Gateway, accessed from University Avenue, is a major portal to our university and now has a look and feel befitting a top-five institution of higher education. The next phase will be the Union Walk project, which will link Tigert Hall to Tower Plaza, Gator (Corner) Plaza and Newell gateway. In time, we will have a primary walkway through campus that showcases the beauty of our buildings and landscape, with memorable spaces for large gatherings.

The university does not control the properties that border the campus including areas along 13th Street and University Avenue currently under construction, which are governed by the city of Gainesville. That said, our partnership with the city ensures that new developments are complementary and also address needs of our campus community.



We do have say over the greenspace within our campus as a whole - from its edges to its core, its roadways to its natural systems. We have prioritized greenspace in 31 conservation areas within the nearly 2,000 acres that comprise our main campus.

se areas were identified in 1995 and reconfirmed in a collaborative process that included faculty, staff and students in 2005. A similar update process is underway now to develop enhanced management strategies for these areas. Together, nearly one-third of our campus, 457 acres, is in designated conservation areas; another 99 acres are designated in other open space categories.

These conservation areas receive our highest efforts to preserve, manage and protect their natural features and status as native habitats for flora and fauna. We have adopted buffers and restrictions to keep them as natural and pristine as possible given their location within an urban environment.

We have creeks, ponds, wetlands and woods; thousands of trees, including heritage trees and pollinator plants; wildlife that ranges from egrets, eagles, osprey, owls, bats and woodpeckers to deer, otters and Florida's famed alligators.

Our dedication to conservation helps us fulfill our role as a pilot for the Audubon International Cooperative Sanctuary Program - we were, in fact, the first university in the country to set up university-wide environmental planning standards with this nonprofit organization.

Our campus is beautiful and we are constantly finding ways to enhance its natural and built environments. We know that a quality landscape provides an important sense of identity for a collegiate community. It also plays a part in prospe students wanting to attend UF and in the health and happiness of the students, staff and faculty already here.

Inviting outdoor spaces offer our campus community places to gather and collaborate: to ponder and study: to sit quietly and be refreshed.





The Gainesville Sun 6/28/22



UF plans to create an auto-free zone on campus The university will begin construction on two gateway projects in the late Summer By Camila Pereira Alighter effort to make a safer The state a state and the stat

Northeast classroopen arous of weak with a workless, but the leptoc current of the first conversion of the leptoc current of the level he changes are expected to make sus easier to navigate as the uni-ty works toward becoming more strian-friendly by 2024, Director anning Linda Dixon said. long with 13 other projects do take place over the next to four years, construction of the apterways will begin in August, as used in UF's Landscape Master



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the independent florida alligator 6/7/21



Experience + Locations Viewpoints News & Insights Careers +

University of Florida Campus Gateway Improvements

Gainesville, FL

HB is hisping fast-feacy this company of Policida company of mity of Promes campus commonly. The Northeast and Newell Galewoys serve as man an the campus, at an arise where productions safety has been a concern, as well as a link to the atten District an Downtown Gaussiville.

err and engineers are working with the U eway to allow for pediatrian and whicular-friendly drop-off, adding bicycle in new hardscope with payers, and a dedicated space for a future art installed are being retrofitted with environmentally friendly stormwater freatment fr or series which will constitute thermoster priority from the explicit. The prior



VHB - https://www.vhb.com/institutions/highereducation/university-of-florida-gateway-improvements/

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Appendix for Site assessment process and program plan Α.



meeting notes

То:	Erik Lewis	Date of Meeting: December 12-14, 2017			
Company:	University of Florida	Meeting Number: 1			
Project Name:	Landscape Master Plan	Project No:			
RE:	December 12-14, 2017 Campus Visit				
Recorded By:	Ruth Loetterle				
In Attendance:	See below for specific meeting attendees				

Note: Any errors or omissions to meeting note content should be reported to the writer within five working days from date of distribution to ensure reissue; failure to do so establishes the following as record copy.

Tuesday, December 12

Kick-off Meeting

In attendance: Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, Donald Wishart, DJ Silverberg, David Sowell, Ruth Loetterle

A review of figures in the Campus Master Plan

Figure 1-1 Planning Sector Boundaries

- UF is divided into Planning Sectors that establish standards for building heights, setbacks, light fixtures.
- Design standard set by the LMP may be more comprehensive in their application

Figure 1-3 Conservation, Green Space Buffers, and Urban Parks

- "Urban Park" designation is reserved for significant open space
- Conservation Areas are to be planted with native species only

Figure 1-4 Open Space Connections

- Pedestrian Connections are to be respected by new projects
- Shared-Use Paths are 12' wide off-street bikeways/trails, some paved in permeable asphalt

Figure 1-5 Open Space Enhancement Priorities

- May inform the selection of 10 projects
- Significant trees Tree Walk isn't up to date

Figure 1-6 Urban Design Connections

- Emphasis on street trees and a second row of trees behind within City
- Tina Gurucharri has suggested planting native flowering trees as the second row on edge of conservation areas
- Tree mitigation policy currently provides much protection of small trees, but perhaps more protection is needed for large trees. Considering amending policy to allow the funding of site enhancements in lieu of contribution to tree fund
- Archer Road project traffic slowed to 20 mph, bike lane added, some turning lanes removed, mid-block crossing added (serves 4 hospitals, all destination traffic)

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- Reitz Lawn General idea is strong no new planting/replacement in center, shaded N/S linear walks, bike route on N side. Design merits an additional look as funding of projects is beginning – how to route past ballroom and accommodate fire lane; how to separate bikes from peds (if bikes use sides, the placement of benches is complicated); how to enhance links from the north, loading dock between CSE and the HUB intrudes on ped connection (possibly shift to west side of HUB); how to make slope west of Marston usable; how to simplify walks
- Hull Road at 34th discussed as future enhanced west gateway
- Dairy Pond LA classes have studied, mostly unmanaged, Facilities added concrete pad on N side in 2001 and cleared in last 2 years in response to security concern and effort to keeping plants to under 4'
- Ocala Pond Dean of Fine Arts interested in enhancing to contribute to entry experience and create usable space, how to provide views and still have wildlife value
- Graham Pond not natural pond, previously planting of natural edge not maintained and mowing to edge has resumed

Updated Urban Design Connections Plan

- Enhance connections -- between historic core and medical centers (hills on Newell and Central complicate the connection); between Health facilities on 34th and those on Archer; between Cultural Plaza and historic core
- Connection from existing and proposed garages at Lemerand lot to Reitz and past Physics service and observatory will become critical.
- Auto-restricted zone (Buckman to 13th; Stadium to University) no buses, transit mall with reversible vehicles, incorporation of hydraulic bollards
- Bus routes heavily used, large vehicles, some are city routes, McCarty is a major transit transfer stop
- Inner Rd is dysfunctional with diagonal parking and bike route
- Scooter management is needed, most users are former bus riders, most live within 1 mile of campus, many in Greek housing east of 13th St and students involved in athletics
- Undergrad parking is available at dorms and at 34th St
- Campus Greenway is part of a 30 mile trail connection to Depot Park

Guidelines

• In addition to furnishings, need to look at memorials and plaques as well as handrails.

Wednesday, December 13

Meeting with the Faculty of the College of Design, Construction and Planning In attendance: Linda Dixon, Erik Lewis, Tina Gurucharri, Peggy Carr, Dan Manley, Chris Jones, Frank Bellomo, Ruth Loetterle

Ideas from Dan Manley's fall studios:

- Gator Pond addressed current addition of untreated stormwater by replacing pipe from parking with vegetated swale
- Turlington Plaza proposed alternative bus route (Stadium, Buckman, Union, 13th, Inner, Newell, McCarty) to avoid traffic along Newell at Turlington in order to have ped plaza space span the Newell roadway
- N/S bike linkage to E/W bike trail via route west of Black Hall, due to its flatter terrain

C Z J / landscape architects

 Woonerf between HUB and Newell – very congested area, conflicts between bus stop and ped connection; (recent shifting of bus stop has helped) students proposed use of Fletcher for return routes, and Buckman only for through route buses

Ideas from Peggy Carr's fall studios:

- Concern with earlier letter that allows Lake Alice to receive untreated campus stormwater; campus needs to model good stormwater management
- Study of campus sinkholes Ocala, Gator, Dairy, and Liberty to achieve sedimentation reduction, Lake Alice water quality improvement and nutrient reduction; revealing invisible processes appropriate to the campus aesthetic; proposing intervention for space types; studied precedents for treating field run-off, such as NFL (Foxboro, MA?) and European fields (most nutrient loading from athletic fields, stormwater from the stadium goes to Reitz ravine, causing erosion); studied the balancing of public access with habitat needs and their contribution to the historic campus fabric
- Current and possible campus stormwater treatment (LID stormwater management techniques have become part of construction standards) basin under building at PK Yonge, O'Connell lot islands with trees, lawn and raised drains, Yulee pit redesign as a detention basin, Reitz Lawn and Vet School dog walk as broad swales

Ideas from Tina Gurucharri's fall studios:

- Opportunity to treat stormwater at campus gateways Yulee Pit and 34 St to serve as a teaching tool and as a model for the City
- Potential to create parallel systems of swale and perforated pipes on campus for stormwater management
- Opportunity to celebrate/inform students about stormwater 79% of students interviewed about stormwater on campus were unaware of campus sinkholes

General Campus Input:

- University Avenue selectively remove walls at back of sidewalk; create a garden walkway within the campus paralleling the sidewalk
- Newell Plaza work with City to combine NW 16th St with Newell intersection, move shelter, integrating shelter at edge with walls, move scooters out
- Gateways each should have an element that create a unique photo opportunity
- Tigert Hall provide a VIP entrance, locating it on the east side would replace curbside parking spaces with a bus stop and add a drop-off loop, locating it on the west side would require coordination with future parking garage
- Bike /pedestrian zones how to direct compatible usage
- Wayfinding campus design with visual coherence that intuitively helps navigate a campus
- Service areas the location of service areas should be restricted from major ped connections

Student Collaboration with LMP Team:

- Dan's students will be photo documenting campus hardscape, which can be shared
- Charrette on Tuesday, February 20 at 4:00 for one of the selected ten spaces, to help students more quickly commit to an idea and study it
- Followed by presentation by LMP team at 6:00

Thursday, December 14

Steering Committee Meeting

In attendance: Carlos Dougnac, Linda Dixon, Erik Lewis, Mark Helms, Tina Gurucharri, Chris Jones, Frank Bellomo, David Sowell, Ruth Loetterle

- LMP team to meet with Facilities Services staff in January to solicit input Tom Wichman, Jason Haeseler, and Dustin Jackson.
- Dustin wants to take holistic look at campus stormwater.
- LMP team to meet with Gail Hansen de Chapman of Lakes, Vegetation, and Landscaping Committee in January
- Residential area enhancements are currently undertaken by Housing; Facilities Services does mowing
- Much campus utility work is slated for the next five years, offering great potential for implementing site enhancements. An understanding of the schedule will be helpful in selecting the ten campus areas for study in the LMP, possible conference call prior to the next campus visit
- A rethinking of campus access should be undertaken; LMP team should meet with UF staff needing special campus access to discuss how to do business in the future, not merely continuing the way it has been done in the past

Proposed Meeting Summary (including recent meeting invitation/emails)

January 18-19, 2018

- Meet with Tom Wichman, Gail Hansen de Chapman, Jason Haeseler Thursday, time tbd
- Meet with Nancy Chrystal-Green of Student Affairs Thursday, time tbd
- Meet with Vice Presidents Friday, January 19, 10:00 11:00
- Stakeholder meeting Friday, 1:00-4:00
- Debrief with Project Steering Committee Friday, time tbd

February 2018

- Meet with Project Steering Committee date/time tbd
- Meet with transportation consulting team Tuesday, February 20, 1:00 2:00
- Charrette and presentation with DCP students Tuesday, February 20, charrette at 4:00, presentation at 6:00
- Meet with transportation consulting team Wednesday, February 21, morning

END OF MEETING NOTES



To:	Erik Lewis	Date of Meeting: January 18-19, 2018 Meeting Number: 2		
Company:	University of Florida			
Project Name:	Landscape Master Plan	Project No:	115095	
RE:	January Site Visit			
Recorded By:	Ruth Loetterle			
In Attendance:	See below for specific meeting attendee	S		

Note: Any errors or omissions to meeting note content should be reported to the writer within five working days from date of distribution to ensure reissue; failure to do so establishes the following as record copy.

Thursday, January 18

Campus Utilities Meeting

In attendance: Jason Haeseler, Erik Lewis, Chris Jones, Frank Bellomo, David Sowell, Ruth Loetterle

Sector approach to upgrading utilities

- Campus is divided into 44 sectors, boundaries are typically roadways
- Prioritization of campus utility projects has identified most critical projects on campus. Work on that project is then packaged with all other utility projects within that sector to minimize repeated excavation and repair

Project to interconnect three chiller plants in North districts - at Weil, McCarty, Walker Halls

- All three are at capacity and at end of life, need to interconnect to shed load and make improvements to individual plants
- #1 priority is the connection of Weil and McCarty plants connection will be taken down Gale Lemerand Dr, between Bldgs 0719 and 0720, and through the Union Lawn
- Connection of McCarty to Walker will be taken east of HUB, up Buckman Dr, east on Union Rd
- New plant at McCarty may be built west of existing, closer to Constans Theatre (Bldg 0150 is one of oldest on campus)
- New plant at Walker will be 2-story area will be quieter and cooling tower addition to Walker Hall can be returned to Walker for repurposing (or removed)

Bridged sidewalk at Ben Hill Griffin Stadium

 Old track stands were left in place and bridged over; sidewalk (not road) on north side of Stadium Road is on a bridge

Other Projects

- Steam system will be taken through 13th St tunnel to Norman Hall
- Gale Lemerand Garage to start summer 2018
- Garage considered for Tigert Hall would be modelled on garage at Norman Hall

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Thursday, January 18

Meeting with the Facilities Services Grounds Department In attendance: Jason Haeseler, Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, David Sowell, Tom Wichman, Grounds Superintendents – Darrell, Donna, James, Phillip, and Russell, Ruth Loetterle

Campus Furnishings

- Benches Keystone bench used at POA costs \$1800 vs \$120 for wooden bench. Dedicated benches
 installed at Medical campus were in response to a request with limited funds
- Lighting 7000 fixtures on campus, an annual replacement program would enable the campus to get a better price from vendor
- Brick "tabling" tables each edge brick is pinned and grouted in place
- Brick walls brick cap allows for quick and easy repairs, not requiring the ordering of a new cap; precast caps show age with staining and skateboarders use; peaked cap was used at Heavener Hall wall to discourage skate boarders
- Bike racks owned by Transportation and Parking; white vinyl coated racks are going away
- Receptacles owned by Resource Management; mixed reviews on Big Belly system; false readings, burst bags, gum on sensors are a problem; have a 10-year contract. Covered receptacles are a must – keep trash from blowing and critters out
- Fountains Building Maintenance maintains
- Art piece at Newell Hall was a late addition to the project; multiple points of contact in the turf compounds maintenance
- Signage location in turf compounds maintenance; lack of uniformity in design, height, alignment, and installation creates visual pollution
- Brick walks prefer 4" concrete base in high traffic areas, areas subjected to vehicular traffic, or adjacent to trees; bricks set on sand at Fine Arts are settling creating a maintenance headache
- Bollards removable bollards are not always replaced leaving hole as a hazard
- Standards should reflect district identities
- "Or equal" clause is required; campus bikeway project was a DOT project and an exception

Planting

- Turf tailgating occurs on any lawn area, damaging lawns; Ole Miss has good quality turf despite tailgating
- Importance of the right plant in the right place
- Hammocks haven't seen damage to trees, but beds get trampled by students accessing hammocks; tight spacing of palms at Newell Hall to accommodate hammocks requires hand mowing
- Large beds are a problem for maintenance

Operations

- Parking spaces and access spaces need to be provided so staff don't have to pull off on lawn areas; service area at New Chemistry is good; service along Stadium Rd east is challenging
- Move-in/move-out days challenge lawn
- Steam lines problematic—killed large live oak on Museum Rd; agave gardens are low maintenance solution where there are leaks
- Irrigation two systems on campus, Weathermatic and Rain Bird; drip irrigation installed on LEED
 projects is hard to maintain; prefer rotors in lawn areas and pop-ups in plant beds

2

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- In-house construction boardwalks, stairs, porches, walks, brick walls
- Dumpsters need to be effectively screened, use of compactors would eliminate four dumpsters, but footprint is bigger
- Lifts used for building washing parked in the landscape on the east campus to minimize travelling time back to Facilities Services
- Golf carts trying to limit use, other campuses have had problems

Top ten areas of campus for improvement

- North lawn at Ben Hill Griffin Stadium traffic should be kept off except for game day; poor quality lawn, roots of trees exposed in detention pond; trucks take short cuts through the area
- West side of Buckman Drive tired landscape, palms planted at New Chemistry, planters installed by Facilities remedied former worn dirt areas; originally Washingtonian Palms; Date palms flank street north of University Ave
- Physics where live oak was lost; replanting has been designed and plants are ordered; connection to
 new parking garage south of Physics is complicated; steam tunnel passes through the area, helium
 storage for all of campus in SE corner of Physics, sludge trucks pass through area weekly from Water
 Reclamation Sludge Bldg to the south out to Gale Lemerand Dr.
- Fine Arts Courtyard preliminary study has been done
- Reitz Union Hotel drop-off and South Side of Bookstore area between Bldgs 0719 and 0720, west of Reitz Union is most intense utility corridor on campus; pedestrian problem exists at corner of Reitz Union Dr and Museum Rd
- East of HUB

Other campus areas for improvement

- South side of Shands on north side of Archer Rd tired landscape, poor lawn, drainage problems; area to become a staging area for two years during construction of chilled water line
- Northwest corner of Norman Hall heavy tailgating challenges the landscape
- Service areas in the historic core in general services need to be consolidated, dumpsters need to be effectively addressed, parking needs to be provided so trucks don't block walks or park on lawn
- Specific service areas in the historic core east side of Library West, northwest corner of Turlington Hall (terminus of view travelling south on Buckman Dr); Sisler Hall service area compromises nice courtyard on north side
- Tigert Hall west side is unattractive, landscape on east side is tired, contractors park on lawn at south side
- West side of Broward Hall dining hall formerly in building
- Weedy slope along 13th St at Cypress Hall

Action Item: Tom Wichman to provide list of plants that work well on campus

Next Meeting: April 2017

Thursday, January 18

Lunch Meeting with Gail Hansen In attendance: Gail Hansen, Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, Ruth Loetterle

Areas for campus improvement

- South Side of Lake Alice tall grasses obscure views to lake, removal and addition of a walkway would
 open lake to greater use
- Botanical garden UF is a land grant university without a botanical garden; Wilmot Gardens is maintained by townspeople/master gardeners
- Hull Rd entrance street trees in first section

Possible list of ten areas for conceptual design

- 1. Stadium Road West
- 2. Inner Road
- 3. Union Road
- 4. Newell Drive
- 5. A gateway
- 6. South side of Physics
- 7. Dairy Pond and connections
- 8. Area between Wertheim addition and Reitz Union
- 9. University Avenue two paths, on either side of walls, bike path component
- 10. A creek
- 11. Business School courtyard

Thursday, January 18

Meeting with Student Affairs re NHPC and MGC site selection

In attendance: Nancy Chrystal-Green, Reggie Lane, Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, Ruth Loetterle

Goals for NPHC and MGC sites

- Recognition of their presence on campus and communication of their presence to prospective students
- Incorporation of reverence, some rituals may be associated
- Do not need to accommodate performance space; that will remain in Turlington Plaza
- Coming out is associated with a photo op
- Recommend two separate sites
- Could be in pavement with an associated plaque in benches/wall
- Possible sites east of Constans Theatre and on redesigned entry walks to Union Lawn

NPHC and MGC

- NPHC member organizations are fixed at nine nationally
- MGC member organizations could expand beyond the current eleven
- Campus membership of individual organizations is between 3 and 40

4



Friday, January 19

Meeting with Project Steering Committee In attendance: Carlos Dougnac, Linda Dixon, Erik Lewis, Mark Helms, Tina Gurucharri, Chris Jones, Frank Bellomo, Ruth Loetterle LMP should provide direction for residence halls LMP should provide direction to guide infill of first floor of Reitz Union ballroom UF would benefit from having a campus landscape architect in PDC and another LA in operations LMP guidelines will be incorporated into UF's Design Guidelines Street sections in LMP will establish build-to lines

Campus lighting should be Dark Sky compliant

Action Item: Contact student group doing research on pedestrian tunnel safety

Friday, January 19

Meeting with Charlie Lane and Curtis Reynolds In attendance: Charlie Lane, Curtis Reynolds, Carlos Dougnac, Linda Dixon, Erik Lewis, Mark Helms, Tina Gurucharri, Chris Jones, Frank Bellomo, Ruth Loetterle

University Trustees want UF to become one of the nation's Top Five Public Universities

Strengthening the campus core

- Closing Union Road to vehicular traffic (including buses) would be transformative
- Important to communicate these transformative moves and the walking distance of 2 minutes

Establishing a unified image for UF

- Many tired spaces
- Sixteen college and sixteen institutes at UF pose a challenge to establishing a unified image
- North and south campuses lack a consistent language
- Unified streets with an appropriate scale and consistent canopy are essential
- LMP should provide the Cultural Plaza with a palette
- Overhead wires will be going away in five years

Campus introductions

- Lawn north of Ben Hill Griffin stadium provides introduction to UF from the west (Athletics is concerned about RV parking on lawn north of stadium; consider parking RV by new baseball field)
- Intersection of Museum with 13th provides introduction to UF when approached from the south (wooded edge just to the south could provide a new opportunity)
- Replacement of the electronic marquees at 34th St and Gale Lemerand Dr can be considered

Implementing the LMP

- Campus projects have a \$2 mil threshold; keeping some projects under this amount would assist implementation
- Important to implement projects giving the "biggest bang for the buck".
- Identification of 8-10 areas for refreshing by in-house Facilities staff would assist implementation

5

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Friday, January 19

Meeting with Stakeholder Committee

In attendance: Linda Dixon, Erik Lewis, Peggy Carr, Christopher Nelson, Wendy Thomas, Cydney McGlothlin, Howie Ferguson, Jason Haeseler, Matt Williams, Gail Hansen, John Barrow, Katerie Gladdys, Mario Agosto, Gregg Clarke, Tom Wichman, Mark Clarke, Hal Knowles, Andrew Meeker, William Waters, Chris Jones, Frank Bellomo, David Sowell, Ruth Loetterle

Suggestions for campus enhancement

- Improve campus wayfinding
- Provide sidewalk on west side of 13th St at Cypress Hall, possibly by eliminating median in 13th St
- Connect county, city, campus Pace/Pause/Percolation. Pavement to Ponds, Plants to People
- Use topo change as rationale for design change
- Construct garages with ability for future conversion to building space
- Design roads with look to future use by AV vehicles and smaller roadway widths
- Incorporate artful, educational treatment of rainwater on campus
- Extend walkway inside walls along University Ave further west
- Enhance pedestrian connection from business school through Carlton Plaza to Gator Pond; consider removal of Little Hall Express so that connection terminates at Gator Pond (improvements to cooling tower will allow appendage to Walker to be removed or repurposed)
- Broward entry
- East side of Broward dining
- East side of Constans Theatre
- Stadium St a well-used route for students living east of campus, still too much emphasis on cars
- Dedicated drop-off north side of Library, a safe "kiss and go"

Top ten areas of campus for improvement

- Enhance campus edges building in flexibility in plan to allow for adaptation and updating
- Create symbolic entry points for the campus that create a sense of place
- Connect campus to Downtown at 2nd Ave to encourage students to explore Downtown
- Provide space for a kiss and go drop-off
- Reconnect the heart of the campus prospective students are not excited by Union Lawn, excitement starts at Marston/POA
- Interconnect campus green spaces and open space; create a large central green space that other campuses have
- Emphasize a regional sense of place
- Emphasize water on campus enhance ponds, create walkways/boardwalk at Lake Alice; integrate ponds into LID; use art to help students visualize water cycle on campus
- Accommodate pedestrians and cyclists
- Activate Stadium Road east with public art provide drop-off for unloading of heavy art materials
- Address and enhance services areas
- Consider turf growth when planting trees (no options for shade-loving turf)
- Provide planting standards so that tired plantings can be replaced
- Create consistency across campus



Friday, January 19

Meeting with Dan Manley's Landscape Architectural students In attendance: Dan Manley and 15 students, Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, David Sowell, Ruth Loetterle

Variety of paving types exist on campus; predominantly concrete pavement; grass curb is used at bat houses

Variety of wall types exist on campus; complementary vs consistency discussion

Action Item: Dan Manley to forward students' analysis and campus photos

END OF MEETING NOTES

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meeting notes

To:	Erik Lewis	Date of Meetin	ng: January 26, 2018
Company:	University of Florida	Meeting Numb	per: 3
Project Name:	Landscape Master Plan	Project No:	PL-00012
RE:	Project Areas for Conceptual Design		
Recorded By:	Ruth Loetterle		
In Attendance: <i>Loetterle</i>	Carlos Dougnac, Linda Dixon, Erik Lewis, Mark Helms, Tina Gurucharri, Chris Jones, Ruth		

Note: Any errors or omissions to meeting note content should be reported to the writer within <u>five</u> working days from date of distribution to ensure reissue; failure to do so establishes the following as record copy.

Thirteen campus project areas were selected for conceptual design, expanding the number from the original ten to allow the incorporation of the four civic spaces identified by the Strategic Development Plan. The projects were selected to include a variety of campus spaces to serve as typologies to guide the improvement of other similar projects. Three of the areas were identified as "transformative" projects on a campus-wide scale. All thirteen projects will be highly impactful.

Three Transformative Projects

- 1. Union Road from Tigert Hall to Dauer Hall
- 2. Turlington Plaza
- 3. Gator (Corner) Plaza (the intersection of Stadium Road and Gale Lemerand Drive)

Impactful Campus Projects

- 4. North lawn of Ben Hill Griffin Stadium
- 5. Gateway at the intersection of Newell Drive and University Avenue, including campus edges and Newell Drive to meet the recent reconstruction of Newell Drive at the Plaza of the Americas
- 6. Business School courtyard behind Matherly Hall
- 7. Gateway at 2^{nd} Avenue and rear of Tigert Hall
- 8. Inner Road
- East end of the Union Lawn Dairy Pond/South and west sides of Marston/East and south side of the HUB, including the recognition of the NPHC and MGC in the important connective spaces south of Marston and east of the HUB
- 10. Stadium Road from Turlington Plaza to Gator Plaza
- 11. North side and west end of the Union Lawn
- 12. Linkage of Union Lawn to Museum Road
- 13. Pedestrian/bike linkage of Museum Road to Gale Lemerand Drive south of Physics and to Center Dr

The selected areas represent the following important typologies for the UF campus:

- pedestrian gateway
- vehicular gateway
- courtyard
- pond
- vehicular core street

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- non-vehicular core street
- campus edge
- bike/ped corridor
- service area

Other important areas for improvement, such as the campus edges along University Avenue / 13th Street, housing courtyards, and Newell Drive south of Inner Road will be addressed in the guidelines, on the overall Landscape Master Plan drawing, and in street sections, where appropriate. Their future improvement will also be guided by the conceptual design for the relevant typology.

The LMP Guidelines will address the incorporation of public art into the campus.

CRJA will follow up with an estimated fee for the increased scope.

END OF MEETING NOTES

Page 2 of 2

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meeting notes

To:	Erik Lewis	Date of Meetin	g: February 20-21, 2018
Company:	University of Florida	Meeting Number: 3	
Project Name:	Landscape Master Plan	Project No:	PL-00012
RE:	February Site Visit		
Recorded By:	Ruth Loetterle		
In Attendance:	See below for specific meeting attendees	5	

Note: Any errors or omissions to meeting note content should be reported to the writer within <u>five</u> working days from date of distribution to ensure reissue; failure to do so establishes the following as record copy.

Tuesday, February 20

Stadium North Lawn Meeting

In attendance: Laird Veatch, Bill Smith, Erik Lewis, Chris Jones, Frank Bellomo, Ruth Loetterle

Athletics wants to improve the stadium area as the northwest gateway to the campus

- Athletics Department is embracing Collegiate Gothic; development of Gator (Corner) Plaza will need to blend this new approach with previous approach
- Future enhancement of the front porch of the stadium will be built within the same footprint
- Support the replacement of the existing entry signs they block views of the stadium area
- Hospitality emphasis on game days for north lawn (see attached plan provided by Athletics)
 - Maximize open, level lawn for use on game days will require removal of some trees
 - Desire symmetrical treatment of north lawn
 - Tents for major donors will be erected flanking the central walk
 - Music an Gator garden
 - Major donor parking along east, west sides, perhaps on former roadbed of northbound Gale Lemerand
 - Dumpsters located near chillers at SE corner, but is a major student approach
 - Stormwater detention alternatives to expand level area allow shallow detention over the whole site; shift eastern basin further east; exfiltration is not compatible with large vehicles

Tuesday, February 20

Meeting on site regarding the Newell Drive /16th Street intersection at University Ave In attendance: Deborah Leistner, Emmanuel Posadas, Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, Ruth Loetterle

- Gainesville is currently funding a pedestrian crossing study; traffic movement is being videotaped
- The City is open to expanding the intersection to allow crossing in line with both streets
- The City would consider informally closing the block of NW 16th St between 1st Ave NW and W University Ave to vehicular traffic through the placement of planters to help simplify the intersection at University
- Possible routing of bicycle traffic to 16th St north of University to promote a safe crossing of University at 16th Street

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Friday, February 21

Joint Transportation and Landscape Master Planning Teams Meeting In attendance: Carlos Dougnac, Craig Hill, Scott Fox, Tina Gurucharri, Linda Dixon, Erik Lewis, Nat Grier, Rohan Sadhai, Jordan Crandall, Chris Jones, Frank Bellomo, Ruth Loetterle

Enhancement of campus edges

- Provision of sidewalk along 13th Street adjacent to Cypress Hall parking for disabled residents and caregivers at Cypress Hall is required
- Removal of parking between Buckman and Fletcher Drives and relocation of scooter parking to this area lot currently accommodates Bull Gator parking on game days
- Creation of additional Kiss and Ride locations at campus edges in front of Tigert Hall?
- Advisable to get ahead of Uber/Lyft use and provide designated pick-up/drop-off area at campus edges

Ped/Bike Gateways

- Identify gateways at Stadium Road and Newell Drive as ped/bike entries
- Offset of campus and City streets to be incorporated into a single large gateway, to which bike routes in the City are directed for safe crossing of University Ave and 13th Street

Impact of the expansion of non-vehicular zone:

- Accommodation of access to evening performances at Auditorium and the Music Bldg.
- Accommodation of disabled staff and students
- Integration of University shuttle with RTS linear transfer station along Museum Road? RTS stops along perimeter with expanded University shuttle system?
- Rerouting of University 100 series bus routes that currently use Union Road and Newell Drive to turn around at the center of campus
- Precludes Newell Drive as dedicated bus route from University to Medical Center in response to the City's wayfinding concerns; signage and clarity of landscape can address
- Move in/move out days possible solutions using scheduling, carts, and volunteer moving assistance
- Additional enforcement on game days; possible pre-assignment of tailgating space

Redesign of Inner Road:

- Accommodation of increased evening discharge at Inner Road light is currently slow
- Creation of cycle track on Inner Road; will need to accommodate crossings of three major N/S campus pedestrian routes at either side of DCP and at Ocala for pedestrian traffic from tunnel
- Restriping of Inner Road RTS needs an 11' min lane width; can get by with 10.5'
- Enlargement of turning radius at Inner Road and Newell Drive existing radius at Buckman Drive and Union Road is inadequate for buses

Enhancement of Stadium Road:

- 15' wide vehicular lanes offer space for bike lanes
- While traffic speed could accommodate mixing of bikes and vehicles, consistency in bike ways for campus should be the goal; buffered bike lanes could be created as the first phase
- Cycle track is less compatible with the large number of destinations along Stadium Road

Transportation MP milestones – recommendations to be made in April/May with final report in mid/late summer; these are similar to Landscape MP milestones

2



Friday, February 21

Meeting with Operations Staff and Joint Transportation and Landscape Master Planning Teams In attendance: Carlos Dougnac, Craig Hill, Scott Fox, Linda Dixon, Erik Lewis, Katie Karwan, Jason Haeseler, Derrick Bacon, Gregg Clarke, Chief Linda Stump, Lisa Deal, Bill Properzio, ______ (man sitting between Jason and Derrick Bacon at the corner), Nat Grier, Rohan Sadhai, Jordan Crandall, Chris Jones, Frank Bellomo, Ruth Loetterle

Impact of the expansion of non-vehicular zone:

- Accommodation of reduction in parking, both accessible and other possible expansion of parking at Hough Hall by employing 90 degree parking
- Accommodation/enhancement of transit facilities to ensure that ridership is not negatively affected; dedicated Newell Avenue bus does not need to be advanced
- Accommodation of service and delivery vehicles analysis of St. Augustine's accommodation of service vehicles may serve as a guide; ped/bike ways will be constructed to accommodate heavy loading
- Attention to safety issues for nighttime movement on campus; current exploration of bringing evening classes to Historic Core for issues of safety
- Provision of adequate lighting for movement throughout the non-vehicular zone
- Adjustments to Fed Ex and UPS, and other private delivery services as they will be restricted from use of ped/bike ways; Business School is a regular recipient; UF will need to explore alternatives – development of a University delivery system to individual buildings (in use at other institutions); provision of designated parking spaces for walk-in delivery by private delivery to buildings (currently in practice at Oaks Mall); possible increase to pricing structure
- Adjustments to current loading areas such as at Fine Arts for delivery/drop-off of materials; gas deliveries to Chemistry and Williamson will not be affected
- Modifications to waste collection to be considered possibly consolidated spaces for waste collection with ease of access; use of compactors to reduce number of locations; some areas may be walked in
- Continuation of early morning trash collection for issues of safety in busy areas
- Consideration and incorporation of Facilities Services zoned service areas proposed by Mark Helms to
 provide easier access to materials
- Facilitation of a cultural change among Facilities Service staff
- Accommodation of new routes such as Inner Road for two-way bus traffic, ensuring radii are adequate
- Employment of different bollard system, technology-operated, for safety ensure that space adjacent to bollards does not permit movement around the bollards, especially for very public areas such as the O'Connell Center
- Adjustment in University policy regarding scooters
- Facilitation of a cultural shift among the community to ensure that vehicles do not use ped/bike ways
- Enhancement of service areas the service area at Hernandez Hall is a good model
- Accommodation of City and RTS concerns re University/Downtown transit connections accommodate City bus turnaround at Tigert Hall, possible bus pull-off in front of Tigert

Additional Post-meeting input

 Consider providing dedicated service parking at ends of three north/south pedestrian routes that occur between Newell Drive and SW 13th Street

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Friday, February 21

Meeting with CPPEC

In attendance: Charlie Lane, Joseph Glover, Curtis Reynolds, Carlos Dougnac, Craig Hill, Scott Fox, Tom Mitchell, Mike McKee, Brad Pollitt, Laird Veatch, _____, ____, ____, ____, ____, (see below), Linda Dixon, Erik Lewis, Nat Grier, Rohan Sadhai, Jordan Crandall, Chris Jones, Frank Bellomo, Ruth Loetterle

General Comments

- Increase in online/asynchronous learning should be kept in mind; limit is unknown
- Decline in after 5:00 pm classes has declined due to shortage of space; space is now available
- Positive reduction in perceived barriers to City
- Enhanced access to green space
- Increased areas for enjoyment be visiting alums
- Provision of raised "stage" areas at Turlington is a positive addition
- Walls at campus edges were a response to jay-walking; MTPO study considered mid-block crossings at 16 and 19th
- A great opportunity, will require a cultural change, like other changes at an institution; it will be initially
 uncomfortable and then become accepted

Campus Gateways

- Athletics wants to develop the area north of the stadium as the NW campus gateway; shifting of Gale Lemerand Drive and elimination of marquee are positive changes
- Gateways should be considered for other locations, especially the Medical Center area
- Official entrance to the campus is currently unclear
- Gateways could be enhanced with the pairing of a defining moment with each gateway

• Gateway at 34th Street and Hull Road should be enhanced to better incorporate the area into the campus Unnamed attendees: two women on either side of Tom Mitchell, woman sitting next to James Glover, woman sitting next to Ruth, man sitting between Scott Fox and Carlos Dougnac, and man sitting between Brad Pollitt and Curtis Reynolds -- David Guzick, Cheryl Gater, Gene Herring, Karen Rice, Colt Little were all invited to the meeting...

END OF MEETING NOTES

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meeting notes

To:	Erik Lewis	Date of Meeting: April 9-10, 2018	
Company:	University of Florida	Meeting Number: 4	
Project Name:	Landscape Master Plan	Project No:	PL-00012
RE:	April Site Visit		
Recorded By:	Ruth Loetterle		
In Attendance:	See below for specific meeting attendees	S	

Note: Any errors or omissions to meeting note content should be reported to the writer within five working days from date of distribution to ensure reissue; failure to do so establishes the following as record copy.

Monday, April 9

Team Meeting

In attendance: Carlos Dougnac, Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, David Sowell, Ruth Loetterle

Master Plan

- Differentiate existing vs proposed trees
- Low walls do effectively control pedestrian movement—Buckman and Stadium Rd West wall is successful ٠
- New garage at Gale Lemerand will have an associated bus stop ٠
- Date palm disease is challenging trees

Union Road

• Show and widen crosswalk at Union Rd and Buckman Dr

Tigert Court

- Only one inbound lane is needed; give additional space to median or to side •
- Cost of relocating backflow preventer is \$100,000; Linda supports
- Guardhouse should be on driver's side; provides tokens to enable VIP parking and directions to visitors ٠

Newell Court

• Expand pedestrian crosswalk to include all of NW 16th St

Century Tower Plaza

- Century Tower Plaza is a good name
- Seatwall at potato is functional; serves as a meeting place within plaza; provide seatwall adjacent to • potato to continue it as a landmark for meeting

Union Lawn East

- Panhellenic group performances involve 10-20 performers and 100 observers; would like to use terrace
- Gatherings at the monuments would probably number 10-12 persons
- Pinning ceremonies would not occur at the monuments

Inner Road

• Address pedestrian and bike crossings at eastern end; directing pedestrians to W 13th intersection and bicycles further west

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Stadium Road West

• Keep crosswalk/raised table at Fletcher limited to normal width; widening for entire block would further embolden pedestrians

Stadium Plaza

- All pavement at Gator at Ben Hill Griffin Stadium will be demolished for utilities
- Provide trees for shade at sitting steps
- Use of area as pedestrian space on game day contingent on a second parking exit onto Stadium Rd west of the plaza, so that buses can make loops
- Lighting—Scott Stricklin wants to use traditional; Linda supports a modern design
- Shade trees should replace palms

Tuesday, April 10

Stakeholder Meeting and Post Meeting Input

Master Plan

- Maximize shade for pedestrian spaces and corridors
- Cypress trees could help to visually connect water bodies and courses on campus
- Enhance connection to Reitz Union from McCarty bus stop to promote engagement with Liberty pond; possible overlook, replacement of fencing, widen walk at bus stop
- University Ave—proposed treatment should extend west past DOT-owned triangle; service drive needed
 parallel to University between west of Fletcher to provide parking access
- Ocala Pond is in good health
- New scooter parking locations—VHB input
- Wall and agave planting in W 13th median controls pedestrian crossings
- New baseball stadium will include parking for 500 cars; stadium will hold 100,000; possible parking at Flavet Field

Union Road

 Simplification of Turlington service area—compactor serving many adjacent buildings to be supplemented by dispersed locations; round structure removed; lift removed and service dock partially walled and converted to terrace; much expense went into screening of service area from Pugh Hall

Tigert Court

- Three outbound lanes may/may not be needed
- Smaller buses, not full-size city buses, will be entering court
- HC spaces currently needed for Walker Hall
- Provide for bicycle access, bicyclists currently avoid the entry

Century Tower Plaza

- Official name of stone is "Turlington Rock"; is multi-ton stone; plans for specialty lighting (e.g., celebrating game days and holidays) to await new location
- Uplighting to be added under overhang of Turlington Hall
- Front door of Turlington is not visible when approaching from the northeast, address tall brick wall and stairs
- Square corners of tabling tables should be rounded

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Union Lawn East

- Dancing—new members are presented on two weekends during the year; many performances—20 groups each presenting for two hours
- 1st Fridays of the month and Founder's Day—music at noontime class change

Union Lawn

• Enhance views of lawn from south as well as north

Stadium Plaza

- Norwegian study cites that traffic signage removal promotes slower movement and greater safety
- Question raised of how autonomous vehicles will navigate curbless environments
- Suggestion to manifest "The Swamp" in the planting at the stadium
- More LID efforts, even if small, for educational value
- Address nutrient loading of stormwater from Stadium field

Reitz Union

- Stage to be demolished with expansion of Constans Theater
- Circle at west end of lawn has been constructed
- Relocation of stone sculpture at Reitz Union circle will be difficult; the recent relocation from the north to south side of Reitz Union required two years of coordination
- Deletion of the sidewalk on the east side of Reitz Union Dr was deliberate; some concern expressed by Nancy Chrystal-Green
- Crosswalk at Reitz Union Drive and Museum is heavily used and unsafe; lighting is poor; pedestrian crossings slow vehicular traffic; a full signal is required to permit pedestrian crossing that is coordinated with the signal to the west at Gale Lemerand
- Connection to be made southward from Reitz Union Drive to Wilmont Gardens and to Rail Trail across
 Archer Rd

Tuesday, April 10

Meeting with Curtis Reynolds

In attendance: Curtis Reynolds, Carlos Dougnac, Tina Gurucharri, Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, David Sowell, Ruth Loetterle

General Campus

- Show future building sites as boxes to demonstrate how they will help shape adjacent spaces, relate to
 major circulation and be serviced
- Add roundabout at Museum and Hull

Tigert Court

Possible only two outbound lanes needed

Stadium Road West

Possible addition of center pier at intersection with Fletcher Dr to signal limited access
Stadium Plaza

- Need to gain an understanding of Athletics vision for Champion's Walk
- Curbs seem necessary for regular daily use
- Possible addition of a café associated with Gator Dining building

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Next steps

- Coordinate with Cultural Plaza
- Present to CPPEC in September
- Possible presentation to BOT in December
- Initial efforts need to demonstrate a big win for the campus; prioritization is important

Tuesday, April 10

Meeting with Tina Gurucharri

In attendance: Carlos Dougnac, Tina Gurucharri, Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, David Sowell, Ruth Loetterle

Stormwater Treatment

- Include rain gardens, etc. within campus for as demonstration for educational value
- Review Dan Manley studio research
- Review Peggy and Dan's award-winning project on Gator Pond
- Permeable pavement—experience on campus has found best results with pervious asphalt
- Include stormwater treatment in streetscape cross sections

Tree Planting

- Let the ecology of the campus read; tell the story of campus topography and watersheds with plant palette
- Plant cypress in wet/flooded areas, such as detention basins north of stadium

General Campus

- Expand pedestrian pavement at south Newell gateway
- Provide seating at overlook at Dairy Pond to accommodate folks without hammocks
- Shifting Inner Rd northward will affect future building site
- Parking on site of future Data Science Building will be accommodated in lot on half of Norman Field
- Broward Recreation area—Basketball is most heavily used; construction of new Rec Center is on back
 burner
- Business Dean loved closing of Union Rd to traffic; no service access concerns
- Walk between Broward and Rawlings Halls is heavily used

Phasing

• Neville and Union will have biggest impact

Tuesday, April 10

Health Center Site Walk with Brad Pollitt

In attendance: Brad Pollitt, Linda Dixon, Erik Lewis, Chris Jones, Frank Bellomo, David Sowell, Ruth Loetterle

General Campus

- A more cohesive, well-maintained landscape is the goal for the Archer Rd face of the Health Center
- The main drop entry space is dark, obscured and unwelcoming
- The sunken area is being developed as a children's garden
- The entrance to Dental Science from Center Dr needs to be enhanced
- Exterior signage is not as effective and does not reflect the identity of the Health Center
- The Sycamore tree is a descendent of the tree in Greece of Hippocratic Oath fame

4

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Action Items by Area

Union Road

• Show and widen crosswalk at Union Road and Buckman Drive

Tigert Court

- Reduce inbound lane to one; give additional space to median or to side
- Relocate guardhouse to be on driver's side
- Study reduction of outbound lanes to two and other traffic clarifications

Newell Court

• Expand pedestrian crosswalk to include all of NW 16th St

Century Tower Plaza

- Provide seatwall adjacent to relocated Turlington Rock to allowance its continuance as a landmark for meeting
- Improve visibility of front door of Turlington when approaching from the northeast

Union Lawn East

- Accommodate Panhellenic group performances on terrace
- Accommodate 10-12 persons at the monuments
- Provide seating at overlook at Dairy Pond to accommodate folks without hammocks

Union Lawn

• Enhance views of lawn from south as well as north

Inner Road

- Address pedestrian and bike crossings at eastern end; direct pedestrians to W 13th intersection and bicycles further west
- Minimize shifting of western end of Inner Road northward due to impact of future building site
- Expand pedestrian pavement at south Newell gateway

Stadium Road West

- Limit crosswalk/raised table at Fletcher to normal width
- Study addition of center pier at intersection with Fletcher Drive to signal limited access

Stadium Plaza

- Provide trees for shade at sitting steps
- Replace palms with shade trees
- Restore curbs within plaza
- Accommodate Athletics' vision for Champion's Walk
- Study addition of a café associated with Gator Dining building
- Incorporate more LID efforts, even if small, for educational value
- Address nutrient loading of stormwater from Stadium field

Stadium North Lawn

• Plant cypress in detention basins north of stadium

Reitz Union

Include circle at west end of lawn

Master Plan

- Differentiate existing vs proposed trees
- Maximize shade for pedestrian spaces and corridor Express the ecology of the campus with plant palette
- Express the ecology of the campus with plant palette
- Interconnect water bodies and courses on campus with cypress trees

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C 2 J / landscape architects

- Include rain gardens, etc. within campus for as demonstration for educational value
- Review Dan Manley studio research
- Review Peggy and Dan's award-winning project on Gator Pond
- Include storm water treatment in streetscape cross sections
- Add roundabout at Museum and Hull Roads
- Extend proposed treatment of University Ave west past DOT-owned triangle
- Include service drive parallel to University between west of Fletcher to provide parking access
- Incorporate scooter parking locations per VHB input
- Show future building sites as boxes
- Enhance connection to Reitz Union from McCarty bus stop; widen walk at bus stop
- Study enhancement of walk between Broward and Rawlings Halls
- Round corners of tabling tables

University Health Center

- Create a more cohesive, well-maintained landscape
- Enhance main drop entry space
- Enhance to Dental Science from Center Drive
- Study exterior signage to reflect the identity of the Health Center

END OF MEETING NOTES

B. Appendix for Schematic design review

Pre	servation of Historic Buildings & Sites Committee	
December 15, 2020 at 2:00 PM		
Planning, De	sign & Construction Division, 245 Gale Lemerand Drive ZOOM MINUTES	
MEMBERS PRESENT:		
	Marty Hylton – Chair –Interior Design	
	Joe Aufmuth – University Libraries	
	Ann Baird – Associate University Librarian, Libraries	
	Brent Carr - Psychiatry Magan Daly – University Librarias	
	Megan Daly – University Libraries Tom Dana – College of Education	
	Sara Diffenbach - Student	
	Linda Dixon – Planning, Design & Construction	
	Chad Doering – Housing & Residence Education	
	Jacqueline Hahn – Student	
	Craig Hill – Business Affairs	
	Lisa King - Department of Clinical & Health Psychology Francisco Oquendo - Planning, Design & Construction	
	Priya Sharma – Pediatric Radiology	
	Carl Van Ness – Librarian & Archivist, Special Collections	
MEMBERS ABSENT:		
	Jason Byrd – Clinical Faculty, Psychiatry	
	Anthony Coman – Management Communication Center	
	Carlos Dougnac – Planning, Design & Construction Samantha Evans – Student Affairs	
	Lacy Hoffman – Honors Program	
	Gail Mathapo – Assistant University Librarian	
	Rachel Slivon – Warrington College of Business, Lecturer	
OTHERS PRESENT:		
	Erik Lewis - Planning, Design & Construction	
	Melissa Thomas - Planning, Design & Construction	
	Frank Javaheri – Planning, Design & Construction	
	Melanie Heflin – Planning, Design & Construction Tamera Baughman – Planning, Design & Construction	
	Frank Bellomo – GAI	
	Chris Jones – IBI	
	Jason O'Brian – Walker Architects	
	Joe Akins – VMDO	
	Alexander Jack – VMDO	
	Michele Westrick – VMDO	
	Jennifer Lyons – Unknown Lorenzo Battist – Unknown	
	Richardson,? – Unknown	

I. ADOPTION OF AGENDA AND AUGUST 2020 MINUTES

Motion: Joe Aufmuth made the motion to adopt the agenda and approve the August minutes.

Second: Tom Dana

Motion Passed Unanimously

II. MAJOR PROJECTS

<u>UF - 656 - Landscape Master Plan Tigert/Newell Gateways</u> <u>Melanie Heflin</u> Melanie introduced herself and stated she was before the committee to talk about the Landscape Master

Plan. She said that the project would be in sections and the first section would be the Tigert Hall and Newell Gateway improvements. Frank Bellomo from GAI, Jason O'Brian from Walker Architects, and Chris Jones from IBI are here to present today and CPPI is the Contractor. The project start will be May 2021, with estimated completion at the end of August prior to semester starting.

Chris went over the locations of the gateways and started with the Newell Gateway. The transformation is essentially the removal of the road from this gateway. The transformation of that environment into a pedestrian gateway arrival point at the northern edge of the campus. This will follow the direction of the Landscape Master Plan and the Plaza of Americas for design. This is a 20' wide pedestrian walkway with a curbed condition will still accommodate service and emergency vehicles. There will be brick walls tying into the existing walls to create a gathering plaza space. There will be a 12' wide multiuse path that will run along University Avenue. The project will the back to some of the existing circulation networks and transition down the roadway add oak trees to comply with the Landscape Master Plan. An alternate will be to extend the 20' wide walkway down the existing road with a concrete lined edge and center with the bollards. Chris showed the layout of the gateway and how the brick walls are laid out. Also, there will be a curb area and a mountable curb for emergency vehicles.

The Northeast Gateway at Tigert Hall impacts Union Drive. This project will reconfigure the entry and exist lanes and creating an auto court. The committee stated they were concerned about an outgoing bike lane and the design team stated they were still trying to figure that out. That determination will be in in a few weeks. There are drop-off and temporary parking zones along the edges with bollards. There will be seating around the auto court to accommodate the tour busses and kiss and ride. There will a new guard shed, and Jason O'Brian went over the structure. He stated the building will match the existing Tigert Hall. In the Little Hall parking lot will be headend parking instead of angle parking. The project will maintain the existing number of spaces to have a no net loss for parking in this area. There is an add alternate for have permeable brick pavers and the islands are stormwater catching zones to help with the runoff of the stormwater in this area. This will allow for sustainable improvements for this area. In front of the Little Lot the VIP and bike parking will be reconfigured to move it away from Tigert Hall. The gathering plaza will be reconfigured as well for a more secure and private gathering area.

Motion: Joe Aufmuth made the motion to approve the Advanced Schematic Design phase of the project.

Second: Carl Van Ness

Motion Carried Unanimously

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LAND USE AND FACILITIES PLANNING COMMITTEE MINUTES February 02, 2021 Planning, Design & Construction ZOOM Meeting

ATTENDEES:

MEMBERS PRESENT:

Ann Baird, Librarian, UF AFA Library Meredith Beaupre, Academic Advisor, Honors Program David Bowles, Director of Rec Sports

Paul Davenport, Physiological Sciences Sarah Davis, Student Linda Dixon, Planning, Design & Construction Margaret Fields, Associate Dean of Liberal Arts and Sciences Megan Forbes, Chair, English Language Institute Scott Fox, Transportation & Parking Timothy Garrett, Associate Professor, Pathology, Immunology and Laboratory Medicine Creed Greer, Program Director, University Writing Program Kevin Heinicka, IFAS Facilities Planning & Operations Mark Helms, AVP, Facility Services Division Craig Hill, VP's Office - Business Affairs Brian Keith, Associate Dean, Office of Library Administration Mark Leeps, Assistant, Journalism Frank Lomonte, Director & Professor, College of Journalism Graciela Lorca, Associate Professor, Microbiology & Cell Science Cydney McGlothlin, University Architect, Planning, Design & Construction Jacqueline Miller, Curator/Adjunct Professor Keith Rambo, Engineer, Electrical & Computer Engineering Blake Robinson, Student William (Bill) Smith, Assistant Director, Operations, University Athletics Association Jay Watkins, Associate Director and Associate Professor, Timothy Young, Sr. Associate, Academic Advising Center

MEMBERS ABSENT:

Missy Daniels, Growth Management, Alachua County Carlos Dougnac, AVP, Planning, Design & Construction Rhuanito Ferrarezi, Assistant Professor Gail Hansen De Chapmen, Chair, Lakes, Vegetation & Landscaping Committee Marty Hylton, Chair of PHB&S, Libraries Frank Lomonte, Director and Professor, Journalism Mary Lusk, Extension Agent – IFAS Extension Carol McAuliffe, Assistant University Librarian Jamieson McMahon, Building Code Inspector, EH&S Andrew Persons, Director, Department of Doing, City of Gainesville Amy Stein, Associate Professor Richard Stepp, Associate Professor, Radiation Oncology – JAX Matt Williams, Director, Office of Sustainability

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VISITORS:

Mike Castine, Growth Management, Alachua County – attending for Missy Daniels Melissa Thomas, Planning, Design & Construction Erik Lewis, Sr. Planner, Planning, Design & Construction Frank Javaheri, Director of Construction, Planning, Design & Construction Melanie Heflin, Project Manager, Planning, Design & Construction Tamera Baughman, Project Manager, Planning, Design & Construction Chad Doering, Director of Facilities, Housing Chris Jones, IBI, Design Consultant Kevin Trejos, Student Frank Bellomo, GAI Associates, Landscape Design Alexander Jack, VMDO Nancy Chrystal-Green, UF Michele Westrick, VMDO Hannah Ulloa, Unknown

CHAIR: Timothy Young, Sr. Associate, Academic Advising Center, Chair

CALL TO ORDER:

Timothy called the meeting to order at 2:00pm.

APPROVAL OF AGENDA AND MINUTES:

Paul Davenport moved to approve the agenda and the December minutes; Megan Forbes seconded; motion passed unanimously.

UF – 656 – Landscape Master Plan – Newell & Tigert Gateways (Advanced Schematic Design)

PRESENTING: Melanie Heflin / Frank Bellomo / Chris Jones

DISCUSSION: Melanie introduced herself and stated she was before the committee today for Advanced Schematic Design phase approval. She had with her Frank Bellomo from GAI Associates and Chris Jones from IBI to present the project. Chris stated he would be speaking about the Landscape Master Plan with specifics on the Newell and Tigert Gateways. The Newell Gateway will be a pedestrian pathway with a plaza area and brick pavers. It will have brick walls and bollards to protect the area from vehicles. The brick walls will have planted beds behind them to enhance the UF experience moving the pedestrians down the brick paver pathway to the Plaza of Americas. The plaza will have a curb on both sides with a mountable curb in the middle for emergency vehicles. There will be a Magnolia tree and a small 8" oak that will be removed to enhance the flow of the bike and pedestrian walkway that runs behind the brick walls of the plaza. This will be the start of a bike & pedestrian pathway through parts of campus.

The Tigert Gateway entry and exit lanes will be reconfigured to have one lane entry with a bike lane and three lanes to exit: one turning left, one turning right and one straight with a bike lane. The bike lane is still being configured but there will be one on entry and exit. The corner will be enhanced with brick pavers and columns. The median will be a flowering understory trees with Oak trees on the streetscape to comply with the Landscape Master Plan. There will be an auto court for drop off and pick up. There will be bollards and seating walls to help guide pedestrians and bicycle traffic. The material will match the existing seating areas and sidewalks around the auto court. The Little parking lot was reconfigured to 90-degree parking instead of diagonal. This allowed no impact in parking spaces for this lot. The lot will be

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permeable pavers with the medians to be rain gardens to compensate for the stormwater runoff. The back of Tigert Hall will be reconfigured to have VIP parking and 5 handicap spaces. There will be an outside gathering area that will be more private with added landscaping and seating.

The committee was concerned about the entrance at the Tigert Gateway to be painted crosswalks. The design groups stated "Duratherm" thermoplastic is proposed and it should last about 25 years. The committee asked if an RTS bus would be coming into the auto court. Chris responded that the design can accommodate buses and large vehicles if needed, but there will be a new RTS bus stop on SW 13th Street and buses are not anticipated to be regular users of the auto-court. The design anticipates the potential use of the autonomous shuttle The committee asked about the utilities at the corner of NW 13th Street and the Tigert Gateway and the design team stated that some utilities may need to be moved to accommodate the project but the utility vault will not be impacted. The committee was concerned about vehicular drop off at the Newell Gateway plaza and extra bollards have been added to the area to prohibit a vehicle from pulling over. FDOT is constructing a new crosswalk on the corner of the plaza to help move pedestrians and bikes across this area safely. The committee asked about the loss of scooter parking near the library. However, new scooter parking areas are being created to relocate scooter parking. The committee asked about the Newell Gateway and the movement of the pedestrians and Chris showed them the vision of the Gateway giving a connection to the new pedestrian and bike walkway.

MOTION: Paul Davenport motion to approve the Advanced Schematic Design phase as presented. Meredith Beaupre seconded motion. Motion passed unanimously.

UF FLORIDA

MINUTES

University Lakes, Vegetation and Landscape Committee December 10, 2020, at 9:00 AM Facilities, Planning & Construction ZOOM MEETING

The University Lakes, Vegetation and Landscape Committee (ULVLC) met Thursday, December 10, 2020 for a zoom meeting online.

Members attending:

William Barber – Assistant Director, UF Police Department Donna Bloomfield – Grounds, Facility Services Gregg Clarke – Director of Operations, Facility Services Adam Dale – Assistant Professor, Entomology and Nematology Department Linda Dixon – Director, Planning, Design & Construction Gail Hansen De Chapman – Environmental Horticulture - Chair Alpa Nawre – Assistant Professor, Landscape Architecture Melanie Nelson – Associate Professor, Medicine Tom Schlick – Assistant Director of Grounds, Facility Services

Members not attending:

Carlos Dougnac – Assistant Vice President, Planning, Design & Construction Craig Hill – Assistant Vice President, Business Affairs Brian Keith – Associate Dean, Library Administration Brett Scheffers – Assistant Professor, Wildlife Ecology and Conservation Kevin Trejos - Student Matt Williams – Director, Sustainability

Visitors attending:

Melissa Thomas - Administrative, Planning, Design & Construction Erik Lewis - Sr. Planner, Planning, Design & Construction Tom Feather - Project Manager, Planning, Design & Construction Tamera Baughman - Project Manager, Planning, Design & Construction Melanie Heflin - Project Manager, Planning, Design & Construction Frank Javaheri - Director of Construction, Planning, Design & Construction Basil Lannone - Office of Sustainability Chris Jones - IBI Frank Bellomo - GAI Consultant/Landscape Architect Laurie Hall - CHW- Landscape Architect Chris Doering - Director of Facilities for Housing Fiona Hogan - Office of Sustainability Jim Richardson - VMDO Pete ? - VMDO Chris Gimuer - VMDO Alexander Jack - VMDO Michele Westrick - VMDO Frances Lengowski - VMDO

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Kasey Teimouri – Schenkel Shultz Tina Gurucharri – Associate Professor, Department of Landscape Architecture 352-294-0655 – Tom Schlick - phone 352-342-7965 – Tom Feather - phone 352-294-0813 – Donna Bloomfield - phone

I. Adoption of Agenda and Minutes

<u>Motion:</u> Adam Dale moved to adopt the agenda and approve the minutes with the change suggested to the November minutes.

Second: Melanie Nelson seconded.

Motion Carried Unanimously

II. MAJOR PROJECTS

UF – 656 – Landscape Master Plan

Frank Javaheri / Melanie Heflin

Frank introduced himself and said he is representing for Melanie Heflin, the Project Manager for this project. The project is here today for Advanced Schematic Design approval. This project is for the Landscape Master Plan and details the Newell Gateway and North East Tigert Gateway.

The Newell Gateway is being transformed into a pedestrian gateway through the Historic District. There will be brick and retainage walls. In the entrance area of the gateway there will be bollards in place to discourage vehicular usage. There will be regular curbs at the road with a small area on the curb being mountable by emergency vehicles. There will also be a 12' width sidewalk for a multiuse trail. In creating the symmetry of the trail, a 28" magnolia will need to be removed. The committee spoke about this tree and trying to reconfigure around the tree but reviewing the area, because it is a multiuse trail, it will not be feasible. This tree in the future will inhibit the canopy growth of the two 20" DBH oaks so the design team thought it would be better to remove the magnolia. There is a small 8.5" oak tree that will be removed and replaced with larger oak to match the path and stay in line with the Landscape Master Plan.

The North East Tigert Gateway will be a transformation of an auto court circle drive. This will be a vehicular/pedestrian gateway. There will be impacts on the landscape and a new bus shelter, a new guard house and an upgrade to the Criser lot, Little lot, VIP and service parking area, and an outdoor gathering plaza in the back of Tigert Hall. The auto court will have seating and bollards around it to help with traffic flow. The road will become a one lane entry with a bike lane and there will be three lanes exist. The design team went over the landscaping choices and the layout of the areas and streetscapes. The little lot will be widened to the south and the north allowed the space number to stay the same by headend parking instead of angled parking and the lot will be permeable pavers and the islands will be rain gardens collection areas and curb less to create a more sustainable solution. The seating area in the Tigert Hall gathering will be reconfigured and given an upgrade to refresh this area. The committee asked if there is a way to direct the pedestrian walkway thru the little parking lot. There is a grouping landscape area at the back of Tigert and in need of refresh and a heritage oak tree that will need to be removed because of the design. There will also be a few trees in the parking lots for reconfiguration. There is a total of 88 trees to be removed. There is a proposed plan of 71 new trees will be added. The rest will be with standard mitigation. The committee asked if the design team could try to save more of the long leaf pine trees. The committee also asked about diversity on the plantings. The committee asked to change out some of the Crepe myrtles to Chickasaw plum or a small flowering tree. The project will be coming back for Design Development approval and will be able to see the landscaping changes and a tree removal table. The committee asked for looking at organization of the different species and grouping like species to have a more diverse look. Some of the Cypress trees and cabbage palms will be transplanted but the other trees are being removed. There is a dogwood and some Crepe Myrtles that may be moved if possible if there is a place to move them.

Motion: Alpa Nawre made the motion to approve the plans and tree removals as presented and with standard mitigation. The committee recommended species other than Crepe Myrtle be looked at in

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the area at Tigert Hall and Union Road. The Committee requested the project come back to the committee with landscape details at Design Development.

Second: Melanie Nelson

Motion Carried Unanimously

UF FLORIDA

Preservation of Historic Buildings & Sites Committee February 16, 2021 at 2:00 PM Planning, Design & Construction Division, 245 Gale Lemerand Drive ZOOM MINUTES

MEMBERS PRESENT:

Marty Hylton – Chair –Interior Design Joe Aufmuth – University Libraries Ann Baird – Associate University Librarian, Libraries Brent Carr - Psychiatry Anthony Coman – Management Communication Center Megan Daly – University Libraries Sara Diffenbach - Student Linda Dixon – Planning, Design & Construction Craig Hill – Business Affairs Gail Mathapo – Assistant University Librarian Priya Sharma – Pediatric Radiology Carl Van Ness – Librarian & Archivist, Special Collections

MEMBERS ABSENT:

Jason Byrd – Clinical Faculty, Psychiatry Tom Dana – College of Education Chad Doering – Housing & Residence Education Carlos Dougnac – Planning, Design & Construction Samantha Evans – Student Affairs Jacqueline Hahn – Student Lacy Hoffman – Honors Program Lisa King - Department of Clinical & Health Psychology Francisco Oquendo - Planning, Design & Construction Rachel Slivon – Warrington College of Business, Lecturer

OTHERS PRESENT:

Melissa Thomas - Planning, Design & Construction Frank Javaheri – Planning, Design & Construction Melanie Heflin – Planning, Design & Construction Milo Zapata – Planning, Design & Construction Cydney McGlothlin – Planning, Design & Construction Mark Humbert – Planning, Design & Construction Bill McGinn – University of Florida Frank Bellomo – GAI Chris Jones – IBI Jason O'Brian – Walker Architects Joey Mandese – Vertex Construction Adam Gayle – Walker Architects Phillip Rickman – Sigma Alpha Epsilon <u>UF - 656 - Landscape Master Plan Tigert/Newell Gateways</u> <u>Melanie Heflin/Cydney McGlothlin</u> Cydney introduced herself and stated she was before the committee to present the Design Development phase. There will be a Newell Gateway and a Tigert Court Gateway with a new gate house.

Chris pointed out updates concerning committee recommendations and safety issues at University avenue. There will be a new pedestrian gateway at Newell and a crosswalk across University Avenue as part of an FDOT project. Bollards will be added at the road to control vehicle access. Some of the bollards will be removable for emergency vehicle access. The LUFPC expressed concern about the Newell Gateway and pedestrians going to the east. To accommodate this movement, there will be a pedestrian walkway to the east and an opening in the wall immediately west of the historic wall bench.

The Tigert Gateway shows improvements at the entry and exit to SW 13th Street and the parking lots around Tigert Hall. The updates added bike lanes to the exit and entry at SW 13th Street. The auto court area is the same design as presented previously. The Criser parking lot changes introduced permeable pavers for stormwater runoff. The project will adjust the striping in the southern bay to be code compliant for the handicap spaces. There will be planting elements in the middle of the parking lot to create shading and provide for stormwater. The Little parking lot was to be all permeable paving but now only the outer rows to the north and south will be the permeable pavers. The middle medians between the parking will be stormwater planters. The handicap spaces have increased in front of Tigert Hall. The bollards have been increased across the full length of Tigert Hall to separate the vehicular and pedestrian as an added security measure.

Jason O'Brian reviewed the architectural design of the guard house. He showed changes from the past design to present. The architectural design has been scaled down a little. The brick and precast trim, base, and sills will match the surrounding buildings. There will be clear glazing with anodized aluminum storefront and the metal around the roof will be copper. The committee discussed the color of the aluminum and confirmed it will match historic buildings in the area, e.g. Tigert Hall. The plans for the Guard house went to the Architectural Review Council and was approved.

Motion: Brent Carr made the motion to approve the Design Development phase as presented.

Second: Joe Aufmuth

Motion Carried Unanimously

UF FLORIDA

Land Use and Facilities Planning Committee March 2, 2021 at 2:00 PM Planning, Design & Construction Division, 245 Gale Lemerand Drive ZOOM Minutes

ATTENDEES:

MEMBERS PRESENT:

Ann Baird, Librarian, UF AFA Library Meredith Beaupre, Academic Advisor, Honors Program David Bowles, Director of Rec Sports Nancy Chrystal-Green, AVP - Division of Student Affairs Linda Dixon, Planning, Design & Construction Carlos Dougnac, AVP, Planning, Design & Construction Rhuanito Ferrarezi, Assistant Professor Margaret Fields, Associate Dean of Liberal Arts and Sciences Megan Forbes, Chair, English Language Institute Timothy Garrett, Associate Professor, Pathology, Immunology and Laboratory Medicine Gail Hansen De Chapmen, Chair, Lakes, Vegetation & Landscaping Committee Kevin Heinicka, IFAS Facilities Planning & Operations Mark Helms, AVP, Facility Services Division Craig Hill, VP's Office - Business Affairs Brian Keith, Associate Dean, Office of Library Administration Mark Leeps, Assistant, Journalism Frank Lomonte, Director & Professor, College of Journalism Graciela Lorca, Associate Professor, Microbiology & Cell Science Carol McAuliffe, Assistant University Librarian Cydney McGlothlin, University Architect, Planning, Design & Construction Jacqueline Miller, Curator/Adjunct Professor Keith Rambo, Engineer, Electrical & Computer Engineering William (Bill) Smith, Assistant Director, Operations, University Athletics Association Amy Stein, Associate Professor Richard Stepp, Associate Professor, Anthropology/Latin American Studies Jay Watkins, Associate Director and Associate Professor, Timothy Young, Sr. Associate, Academic Advising Center

MEMBERS ABSENT:

Missy Daniels, Growth Management, Alachua County Paul Davenport, Physiological Sciences Sarah Davis, Student Scott Fox, Transportation & Parking Creed Greer, Program Director, University Writing Program Marty Hylton, Chair of PHB&S, Libraries Mary Lusk, Extension Agent – IFAS Extension Jamieson McMahon, Building Code Inspector, EH&S Andrew Persons, Director, Department of Doing, City of Gainesville

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Blake Robinson, Student Zhong (John) Su, Associate Professor, Radiation Oncology – JAX Matt Williams, Director, Office of Sustainability

VISITORS:

Mike Castine, Growth Management, Alachua County - attending for Missy Daniels Melissa Thomas, Planning, Design & Construction Frank Javaheri, Director of Construction, Planning, Design & Construction Melanie Heflin, Project Manager, Planning, Design & Construction Tom Feather, Project Manager, Planning, Design & Construction Milo Zapata, Project Manager, Planning, Design & Construction Myra Au - UF Chris Jones, IBI, Design Consultant Kevin Trejos, Student Frank Bellomo, GAI Associates, Landscape Design Patrick Eddy - Jacobs Jessica Davidson - Jacobs Chuson Faddon - Jacobs Jose Ramos - Jacobs Robert Mooney - Jacobs JM Baker - Unknown Adam Gayle - LEVEL Design Joey Mandese - Vertex Construction Fraser Ringel - HDD expert

CHAIR: Timothy Young, Sr. Associate, Academic Advising Center, Chair

CALL TO ORDER:

Tim called the meeting to order at 2:00pm.

APPROVAL OF AGENDA AND MINUTES:

Meredith Beaupre moved to approve the February minutes and the agenda with changing the order of UF-623 with UF-668 ; Rhuanito (Johnny) Ferrarezi seconded; motion passed unanimously.

UF - 656 - Landscape Master Plan - Newell & Tigert Gateways (Design Development Phase)

PRESENTING: Melanie Heflin / Frank Bellomo / Chris Jones

DISCUSSION: Melanie introduced herself and stated she was before the committee today for Design Development phase approval. She introduced Frank Bellomo from GAI Associates and Chris Jones from IBI to present the project.

The Newell Gateway is a pedestrian pathway with a plaza area and brick pavers connecting Newell Drive to a new signalized crossing of University Avenue. Previously, the committee expressed concern for

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pedestrian movement to the east so a break in the wall was added with a sidewalk connection to allow for that movement.

The Tigert Gateway entry and exit lanes will be reconfigured to have one lane entry with a bike lane and three lanes to exit: one turning left, one turning right and one straight with a bike lane. The bike lane is still being designed but there will be one for entry and exit. The corner will be enhanced with brick pavers and columns. The median will be flowering understory trees with Oak trees on the streetscape to comply with the Landscape Master Plan. There will be an auto court for drop off and pick up. The material will match the existing seating areas and sidewalks around the auto court. Permeable pavers will be added to the Criser parking lot, and there will be a net loss of 10 spaces due to changing the spaces to 81/2' wide. The metered spaces in the Criser lot will remain. The Little parking lot will have permeable pavers at the edges of the lot and rain gardens in the medians to compensate for stormwater runoff. The back of Tigert Hall will be reconfigured to have VIP parking and 5 handicap spaces. There will be an outside gathering area that will be more private with added landscaping and seating. The committee asked about walking in the parking lot to the buildings, and whether the median space was better used as a pedestrian walkway. Chris responded that the area is too narrow for walking and has light poles. He noted that the parking lot is a gated controlled area, and that the swales in the median meet LEED goals for the project. UF has been coordinating with FDOT for modifications within the state road ROW. The committee asked about the impact to scooters in this area. This area will no longer be scooter accessible because this will become part of the new pedestrian pathway. New, mega scooter parking areas are being created to relocate scooter parking.

A member asked about an area near the Gatehouse that does not have pavers. The designers noted that this area is a curbed environment that changes to a flush environment for the pedestrian pathway but that they would consider incorporating pavers in that location.

MOTION: Megan Forbes made a motion to approve the project as presented. Brian Keith seconded motion. Motion passed unanimously.

INFORMATION:

Tim Young, the chair, stated that the election of committee chair will take place at the April or May meetings.

ADJOURNMENT: There being no further business to discuss, the meeting adjourned at 3:41pm.

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UF FLORIDA

MINUTES

University Lakes, Vegetation and Landscape Committee February 22, 2021, at 9:00 AM Facilities, Planning & Construction ZOOM MEETING

The University Lakes, Vegetation and Landscape Committee (ULVLC) met Monday, February 22, 2021 for a zoom meeting online.

Members attending:

William Barber – Assistant Director, UF Police Department Gregg Clarke – Director of Operations, Facility Services Linda Dixon – Director, Planning, Design & Construction Gail Hansen De Chapman – Environmental Horticulture - Chair Brian Keith – Associate Dean, Library Administration Alpa Nawre – Assistant Professor, Landscape Architecture Matt Williams – Director, Sustainability

Members not attending:

Donna Bloomfield – Grounds, Facility Services Adam Dale – Assistant Professor, Entomology and Nematology Department Carlos Dougnac – Assistant Vice President, Planning, Design & Construction Craig Hill – Assistant Vice President, Business Affairs Melanie Nelson – Associate Professor, Medicine Brett Scheffers – Assistant Professor, Wildlife Ecology and Conservation Tom Schlick – Assistant Director of Grounds, Facility Services Kevin Trejos - Student

Visitors attending:

Melissa Thomas – Administrative, Planning, Design & Construction Tom Feather – Project Manager, Planning, Design & Construction Frank Javaheri – Director of Construction, Planning, Design & Construction Fiona Hogan – Office of Sustainability Cydney McGlothlin – UF Architect, Planning, Design & Construction Steven Vann – Project Manager, College of Engineering Melanie Heflin – Project Manager, Planning, Design & Construction Ronnie Cooper – Project Manager, IFAS Frank Tipton – Project Manager, IFAS Frank Bellomo – GAI Associates Chris Jones – IBI 352-342-7965 – Unknown

I. Adoption of Agenda and Minutes

Motion: Brian Keith moved to approve the Agenda.

Second: Alpa Nawre

Motion Carried Unanimously

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II. MAJOR PROJECTS

UF – 656 – Landscape Master Plan Implementation – Newell & Tigert Gateways Melanie Heflin

Melanie introduced herself and the Landscape Master Plan Implementation of the Newell and Tigert Gateways for Design Development approval. Frank Bellomo from GAI and Chris Jones from IBI gave the presentation.

Frank stated the Newell Gateway would be a plaza area with brick pavers and walls. They are focusing othe design to address safety concerns on University Avenue. The project will implement a vertical curb and gutter system instead of the mountable curb. There will be bollards placed across the plaza close to the road to prevent vehicular traffic in the plaza area. The team is working with DOT on a new traffic signal and crosswalk adjacent to this gateway.

At the Tigert Gateway, the entry/exit was reconfigured to accommodate the bike lane on the exit. There will be an auto court for drop off with bollards and seating. The Criser parking lot will have winged elm on the islands and live oaks. The project will create stormwater planters and some small crape myrtles trees in the medians with a row of permeable pavers to address stormwater runoff. Some long leaf pine and other trees marked to be removed will now be saved. In the medians of Little parking lot, the project is proposing red maple. There are existing oaks that can now be saved on site. The new mitigation is 145 trees and the project will be addressing them with plantings and standard mitigation. The Little parking lot will have the permeable pavers on the north and south lanes of the parking. There will be stormwater planters in the median areas for this lot as well. The VIP parking in the back of Tigert has brick pavers and added handicap parking space. The committee was concerned about the Podocarpus shrubs because of needed maintenance. The committee asked if the design team could look at something else in our standards that may work with less maintenance. Bollards were added behind Tigert at the road to help secure the gathering area from vehicular traffic and create a safety barrier.

The committee asked about the security for the pedestrians on 13th Street. Frank show the aerial of the area to show the brick wall and pillar on each side of the intersection. The committee suggested looking at the security of the area for pedestrians. The committee was concerned about the landscape at the facade of Tigert viewed from Union Road. Five cabbage palms will remain in that area and one cabbage palm will be added for uniformity. There are two ligustrum trees that will be transplanted on campus by Facilities. The old cabbage palms will be removed. There is a Magnolia that will remain and azaleas will be added in the planting bed with the existing giant border grass that will remain.

Motion: Brian Keith made the motion to approve the project as presented.

Second: Alpa Nawre

Motion Carried Unanimously

NEWELL GATEWAY **UNIVERSITY OF FLORIDA** NORTHEAST CAMPUS GATEWAY **UF - 656 LMP IMPLEMENTATION PROJECTS NOVEMBER 20, 2020**

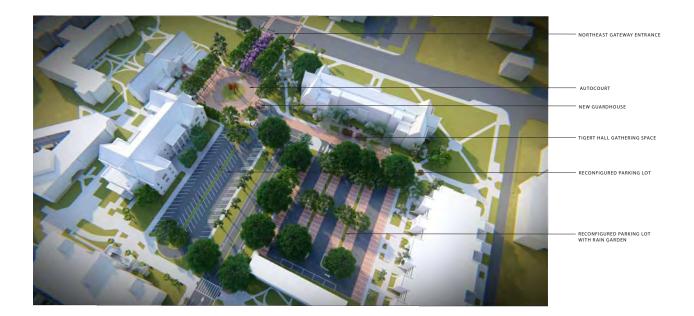
Appendix for Present the design to the public D.



NORTHEAST GATEWAY NOVEMBER 20, 2020

UF FLORIDA

UF - SITES | Credit Documentation | University Court



NORTHEAST GATEWAY PERSPECTIVES NOVEMBER 20, 2020

UF FLORIDA





NORTHEAST GATEWAY NOVEMBER 20, 2020

NORTHEAST GATEWAY PERSPECTIVES NOVEMBER 20, 2020



CAMPUS — STANDARD LIGHT — BRICK ENTRY WALL & PIER
BRICK PAVEMENT FLOWERING TREES & ISLAND PLANTING
PROPOSED TREE PLANTING

NEW GUARDHOUSE – CAMPUS STANDARD LIGHT

PLANTED ISLAND WITH SCULPTURE

- CAMPUS STANDARD BOLLARDS

VEHICULAR BRICK PAVEMENT AND BANDING

BRICK PAVEMENT

NORTHEAST GATEWAY - AUTOCOURT

NORTHEAST GATEWAY PERSPECTIVES NOVEMBER 20, 2020





SECTION 2: PRE-DESIGN ASSESSMENT + PLANNING

UF - SITES | Credit Documentation | University Court

105



NORTHEAST GATEWAY



NORTHEAST GATEWAY REFUSE ACCESS

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ONS

COMMUNITY SOLUTIONS



NORTHEAST GATEWAY - GUARDHOUSE

NORTHEAST GATEWAY PERSPECTIVES NOVEMBER 20, 2020





NORTHEAST GATEWAY - GATHERING SPACE AT TIGERT HALL

NORTHEAST GATEWAY PERSPECTIVES NOVEMBER 20, 2020



SECTION 3: SITE DESIGN | WATER

Prerequisite	Титье	Points
Water P3.1	Manage precipitation on site	Required
Water P3.2	Reduce water use for landscape irrigation	Required
Credit	TITLE	Points
Water C3.4	Reduce outdoor water use	5 points

PREREQUISITE 3.1 | MANAGE PRECIPITATION ON SITE

Calculations

The 60th percentile precipitation event was calculated from rainfall data from a combination of two rainfall gauges at the Gainesville Alachua Fairgrounds Station and the Tuscawilla-Micanopy rain gauge within the Gainesville vicinity obtained from the St. Johns River Water Management District (SJRWMD) Hydrologic Data site. The combination of the two rainfall gauges was required to obtain daily rainfall dating back to 1989. Data from the Tuscawilla-Micanopy site ranged between 1990 to the beginning of 1998, and rainfall data for the Gainesville Alachua Fairgrounds ranged from the beginning of 1998 to 2020. This was the best and most complete available data that provided daily rainfall amounts for 30 years.

Data was organized and ranked from the highest amount of inches in rainfall to the lowest after removing all rainfall events of 0.1 inches or less. A percentile number was calculated for each ranked daily storm event based on the highest ranked event. From this data analysis the 60th percentile event is 0.56 inches of rainfall amount.

The total amount of required storage is 2,880 cft as calculated from the total impervious area (61,723 sft) for the proposed development on the NE Gateway and the 60th percentile precipitation event (0.56 inches). Refer to Table two and Exhibit X-210.

The stormwater features proposed for the site are two retention rain gardens with a total available capacity of 1,319 cft, less than the required volume for the 60th percentile precipitation event. The available storage onsite represents approximately the 30th percentile precipitation event. Additional storage could not be provided onsite due to the area being highly urbanized with large amount of underground utilities. Please see Table 1 for the storage capacity table for each rain garden (1 and 2).

Unfortunately, the proposed site will not be able to meet the minimum requirements for the pre-requisite P3.1.

TABLE 1 UF LMP - NE Gateway (Tigert Court) Stage-Storage Calulations

Rain Garden 1 By the Building						
	STAGE		REA	STORAGE		
	(ft)	(ac)	(sft)	(ac-ft)	(cft)	
TOP OF BANK	165.8	0.03	1477.00	0.02	696.80	
POND BOTTOM	165	0.01	265.00	0	0.00	

Rainfall Amount at Various Percentile Events For a 30 Year span						
60th Percentile 95th Percentile						
Amount	Required Retention	Amount	Required Retention			
Inches	cft	Inches	cft			
0.56	2,880	1.88	9,670			

Provided capacity in both Rain Gardens 1,319 cft

30 Year Span Data (1990-2020)					
Average Yearly	Average				
inches	inches				
47.09	3.92				

Rain Garden	2	Ву	the	Guard	House
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	STAGE	AREA		STO	RAGE
	(ft)	(ac)	(sft)	(ac-ft)	(cft)
TOP OF BANK	166	0.02	1014.00	0.01	622.00
POND BOTTOM	165	0.01	230.00	0	0.00

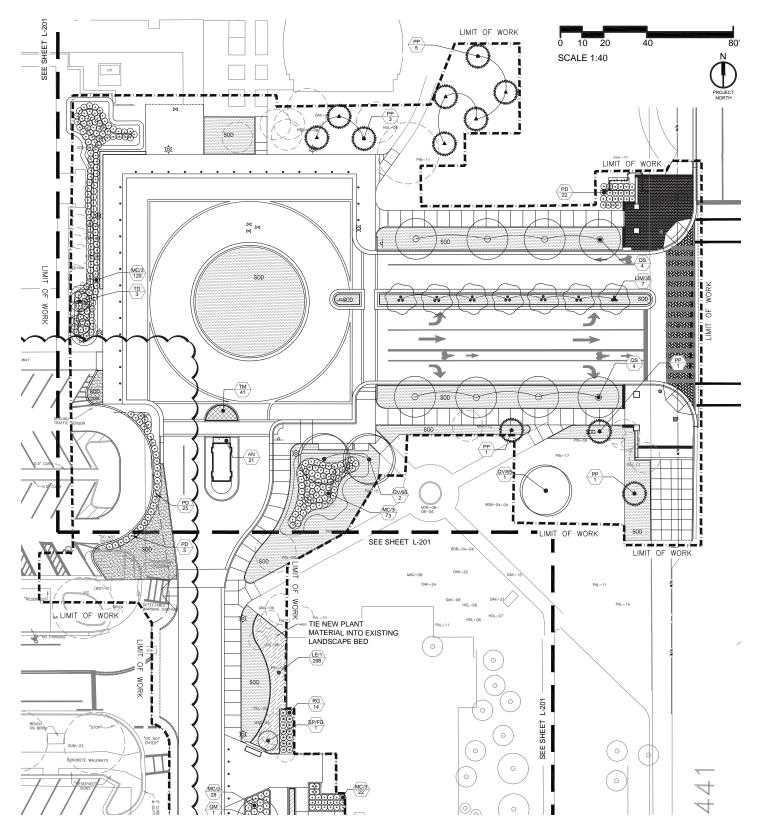
Combined Retention	(Rain Gardens)

1318.80

Boring I.D.	Base of Aquifer (ft)	Porosity (%)	Hydraulic Conductivity (k _h) (ft/day)	Unsaturated Vertical Infiltration (k _v) (ft/day)	Seasonal High Groundwater Table (ft)
A-3	>15	20	17	11.3	4
A-4	>15	20	6.9	4.6	4
A-5	>15	20	4.8	3.2	4

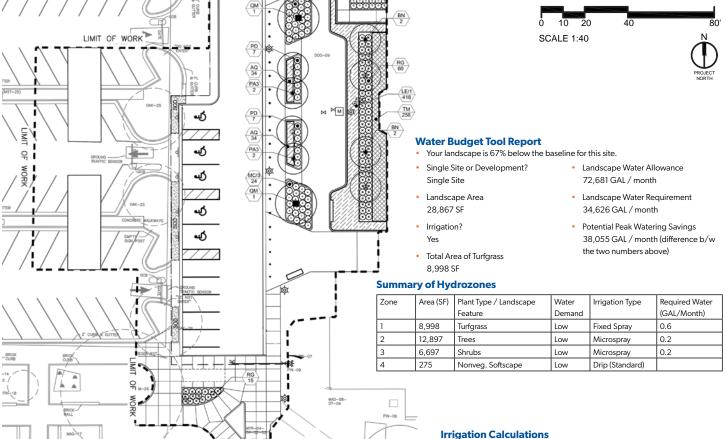
PREREQUISITE 3.2 | REDUCE WATER USE FOR LANDSCAPE IRRIGATION

Planting plan + Planting Schedule



SECTION 3: SITE DESIGN - WATER

The landscape and irrigation design strategy includes utilizing low water use native and Florida friendly plants irrigated by reclaimed, non-potable water source that exists on the campus site. Refer to summary of Hydrozones table for Landscape Coefficients. Plant selection supports minimizing water use and maintenance while balancing pedestrian use of site. As stated, there is no potable water utilized for irrigation at the Northeast Gateway project site. Reuse water supplies the irrigation system and a commitment has been made for the life of the project as evidence by the letter by Facilities Services.



TREES	QTY	BOTANICAL NAME	COMMON NAME
BN	4	Betula nigra	River Birch
LIM/30	7	Lagerstroemia indica `Muskogee`	Crape Myrtle Multi-Trunk
PP	11	Pinus palustris	Longleaf Pine
QS	8	Quercus shumardii	Shumard Red Oak
QV/65	3	Quercus virginiana	Southern Live Oak
SP/FG	1	Sabal palmetto	Cabbage Palmetto
UA	2	Ulmus alata	Winged Elm
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME
MC/3	276	Muhlenbergia capillaris	Pink Muhly Grass
PD	66	Podocarpus macrophyllus `Dwarf Pringles`	Dwarf Podocarpus
RG	89	Rhododendron indicum `Mrs. G.G. Gerbing`	Azalea G.G. Gerbing
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME
AQ	68	Agapanthus africanus `Queen Anne`	Queen Anne Lily of the Nile
LE/1	716	Liriope muscari `Emerald Goddess`	Liriope
ТМ	297	Trachelospermum asiaticum `Minima`	Minima Jasmine
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME
PN	1,270 sf	Paspalum notatum	Bahia Grass
MULCH		Pine Straw Mulch	
ZE	7,728 sf	Zoysia japonica `Empire`	Korean Grass

Component	Туре	Qty.	Total GPM
8 Series	1/4	2	0.52
	1/2	24	12.48
	Full	2	2.1
10 Series	1/4	8	3.12
	1/2	44	34.76
	Full	1	1.58
12 Series	1/4	20	26
	1/2	30	57
	Full	5	13
15 Series	1/4	1	0.92
	1/2	18	33.3
	Full	10	37
End Strip		24	14.64
Side Strip		28	33.88

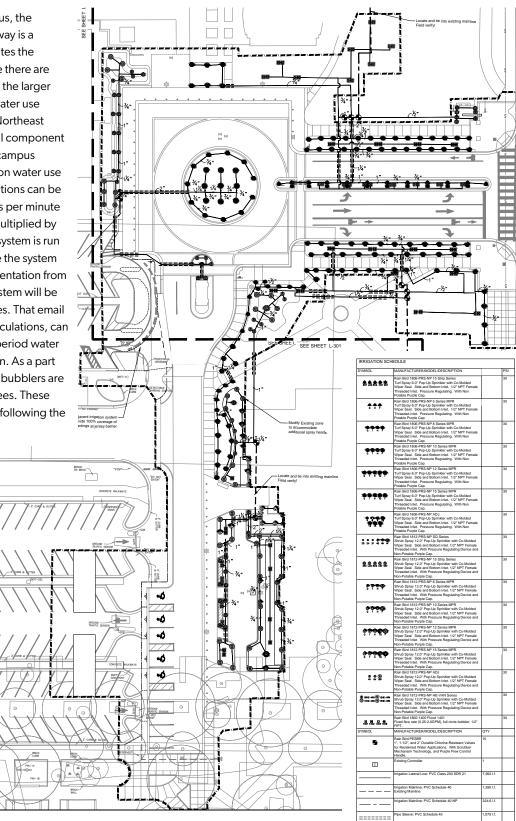
308.3 Total GPM:

308.3 GPM x 25 min run time, 2 times/week = 15,415 gal. week 15,415 x 4.4 weeks/month = 67,826 gal.

Irrigation Plan + Irrigation Schedule

As a small part of the 2000+ acre campus, the irrigation system at the Northeast Gateway is a piece of a much larger system that irrigates the better part of the overall campus. While there are a limited number of irrigation meters on the larger campus system, they provide data on water use for much larger areas well beyond the Northeast Gateway project limits, and not for small component irrigation systems added to the overall campus system. To accurately determine irrigation water use at Northeast on a monthly basis, calculations can be made by determining the flow in gallons per minute for each reduced flow head installed, multiplied by the number of days per month that the system is run and the length of the run time each time the system runs. As evidenced by the email documentation from the UF Grounds Superintendent, the system will be run two days per week for 20-30 minutes. That email document, along with the water use calculations, can be found on page 109. Establishment period water use is not included in the documentation. As a part of that establishment period, individual bubblers are placed at the base on newly installed trees. These bubblers are removed by the university following the establishment period.

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1-

Irrigation zones typically run two days a week for 20 – 30 minutes. During establishment of new installations, the days may be increased. Of course, soil types, site conditions and plant material are also considered. There is not a flow sensor on the overall system for detecting a broken sprinkler.

Donna Bloomfield Grounds Superintendent Phone: 352 294 0813 Email: dbloomf@ufl.edu

TABLE 2 UF LMP - NE Gateway (Tigert Court) Rainfall Summary Tables

NE Gateway (Tigert Court) Proposed Impervious Area

61,723 sft

30 Year Span Rainfall Data

Year	Rainfall	Monthly Average-		
i cui		Per Year		
	Inches	Inches		
1990	42.9	3.58		
1991	46.72	3.89		
1992	44.35	3.70		
1993	32.49	2.71		
1994	41.52	3.46		
1995	48.86	4.07		
1996	51.23	4.27		
1997	52.81	4.40		
1998	49.78	4.15		
1999	34.74	2.90		
2000	34.83	2.90		
2001	40.52	3.38		
2002	51.92	4.33		
2003	48.13	4.01		
2004	56.15	4.68		
2005	50.67	4.22		
2006	32.77	2.73		
2007	44.03	3.67		
2008	41.34	3.45		
2009	47.93	3.99		
2010	40.82	3.40		
2011	35.03	2.92		
2012	58.9	4.91		
2013	47.85	3.99		
2014	56.23	4.69		
2015	49.39	4.12		
2016	44.31	3.69		
2017	71.04	5.92		
2018	63.45	5.29		
2019	49.56	4.13		
2020	49.54	4.13		

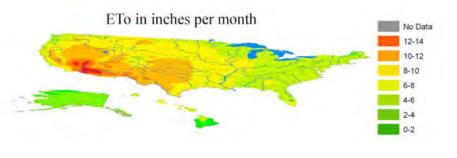
Rainfall Amount at Various Percentile Events For a 30 Year span							
60th Percentile 95th Percentile							
Amount	Required Retention	Amount	Required Retention				
Inches cft		Inches	cft				
0.56	2,880	1.88	9,670				

Provided capacity in both Rain Gardens

1,319 cft

30 Year Span Data (1990-2020)				
Average Yearly Average				
inches	inches			
47.09	3.92			

Evapotranspiration Rate



Letter of Availability



Business Affairs

www.facilities.ufl.edu

Planning, Design & Construction 245 Gale Lemerand Dr. Gainesville, FL 32611

DATE: 4/8/2022

SUBJECT: UF-656/Northeast Gateway SITES, Reclaimed Water Availability

INTENT: Letter of Availability – Reclaimed Water

To Whom It May Concern:

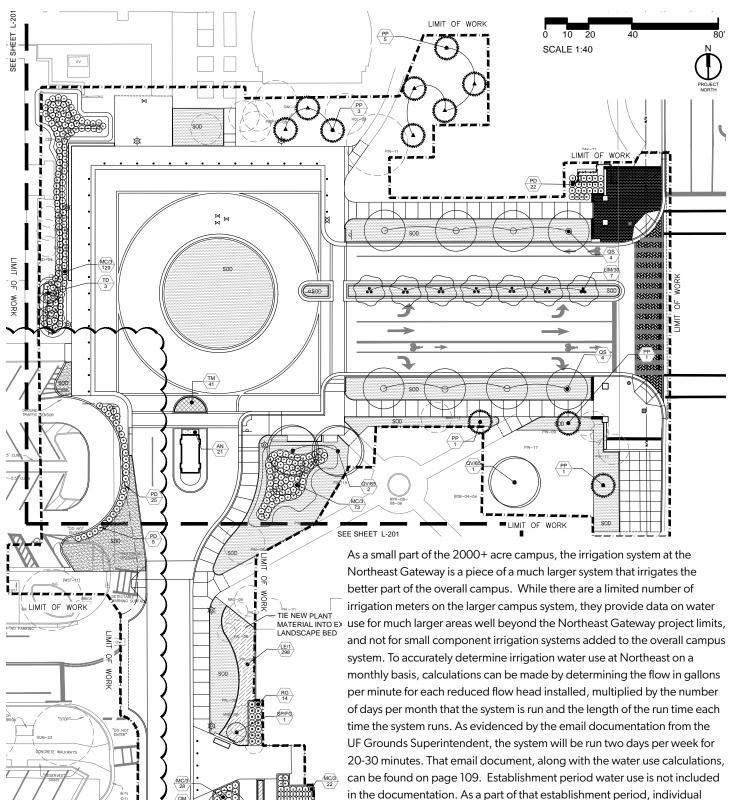
The University of Florida shall maintain a water protection and conservation program for the main campus and satellite facilities in Alachua County through the St. Johns Water Management District, Suwannee River Water Management District and the Gainesville Regional Utility, which outlines various procedures on how to protect and conserve the potable water supply and source, The university maintains a water protection and conservation program consistent with this policy, supportive of UF's green building program, and in compliance with its water use permits. The majority of the main campus is irrigated with reclaimed water, and low-flow fixtures are required by the UF Design and Construction Standards. The University's Water Reclamation Facility has the capacity to process over 3 million gallons daily, using the Kuger BioDenipho process. This process makes an end product suitable for use as reclaimed water, used for campus irrigation. The University's Water Reclamation Facility commits to providing reclaimed water for landscape irrigation to the Northeast Gateway site for the entirety of its operation.

Sincerely,

Chath

Charles Kammin Director of Utilities & Energy Services Facilities Services

CREDIT 3.4 REDUCE OUTDOOR WATER USE Planting Plan

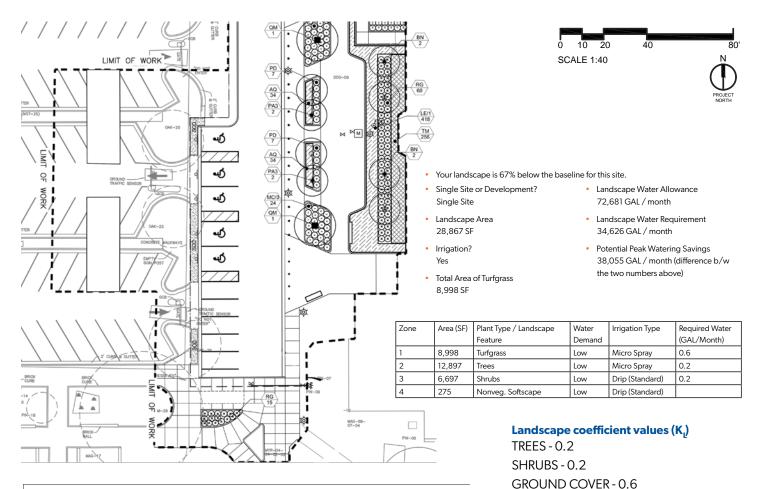


bubblers are placed at the base on newly installed trees. These bubblers are

removed by the university following the establishment period.

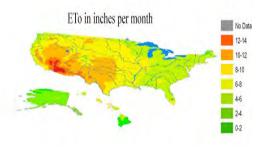
Goal: 5 points

SECTION 3: SITE DESIGN - WATER



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Evapotranspiration Rate

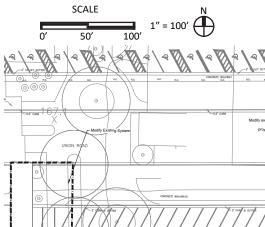


Irrigation Plan

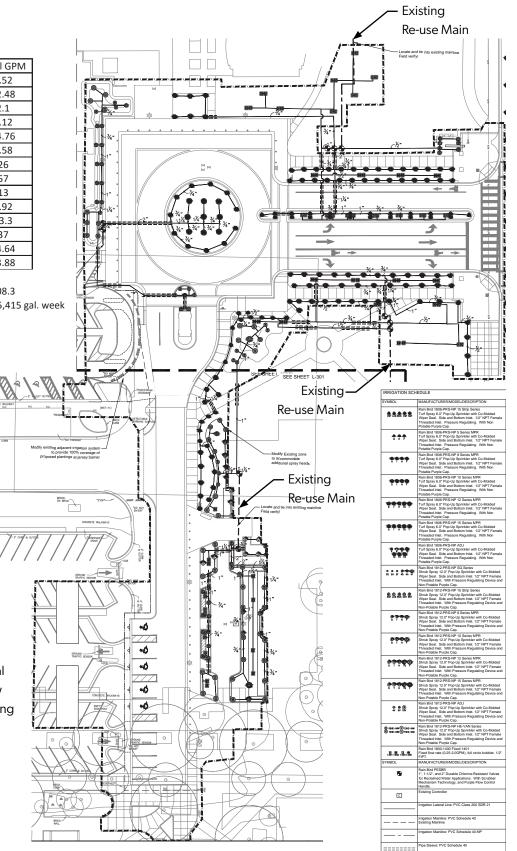
Irrigation Calculations

r			
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Side Strip		28	33.88

Total GPM: 308.3 308.3 GPM x 25 min run time, 2 times/week = 15,415 gal. week 15,415 x 4.4 weeks/month = 67,826 gal.



Irrigation zones typically run two days a week for 20 – 30 minutes. During establishment of new installations, the days may be increased. Of course, soil types, site conditions and plant material are also considered. There is not a flow sensor on the overall system for detecting a broken sprinkler.



Water Budget Calculations

		WaterS	Sense Nev	w Home Speci	fication: Water E	Budget To	ol (V 1.04)						
Enter your information in these columns.					These columns will automatically populate.								
This water bu	dget tool sha	Il be used to determine if the de											
		.1.1 of the specification.			De als sustania a seath.								
Please refer to the WaterSense Water Budget Approach for additional information. Your Name: [Enter]			Peak watering month:			apr							
	Builder Name: [Enter]		1B: Average monthly re	ference									
	Lot Number/Street Address: [Enter]		evapotranspiration (ET			5.77 inches/month							
City, State:	dan alta		esville, FL		2A: Average monthly ra	iinfall:		2.08 inches/month					
Zip Code (requ		3 st three characters of your postal	2611	Δ)	-								
in oundui, c		it three characters of your postar	0000 (0.g. 711		Monthly baseline (gallo	ns/month) bas	ed						
STEP 1A - 28,867	ENTER THE Area of the tion system	ut your landscape here: E LANDSCAPED AREA (A e designed landscape (sq i installed on this site?	uare feet)	Need bals?	on the site's peak water Monthly landscape wat on the site's peak water	ter allowance	or LWA (gallons/mon	103,830 gallons/month h) based 72,681 gallons/month					
	See the W	aterSense website for		Need help?	or search for a	certified	irrigation prol						
Step 2B/Ta							inigation pro:						
	Hydrozone/ Landscape												
	Feature	Plant Type or Landscape			Landscape	Default DU	Distribution						
Zone	Area (sq. ft.)	Feature	Water Use	Irrigation Type	Coefficient (KL)	(hidden)	Uniformity (DU _{LQ})	LWR _H (gal/month)					
1	12,897	Trees	Low	Microspray	0.2	70%	70%	7,277					
2	8,998	Turfgrass	Low	Fixed Spray	0.6	65%	65%	25,384					
3	6,697	Shrubs	Low	Microspray	0.2	70%	70%	3,778					
4 5	275	Nonvegetated Softscape		No Irrigation				-					
6													
7								-					
8													
10													
11								-					
12													
14	<u> </u>												
15								-					
Total Area =	28,867	of 28867 square feet		Land	scape Water Requirem			36,439					
					You have used		50%	of your allowance.					
					This is	;	65%	below the baseline.					
Peak Water	ing Month:	apr											
			_										
Is an irrigation	on system b	eing installed on this site?	Y	es									
This we	ul co lo o o t	determines if the s		l len de cene	mente the we	ton build	-1						
inis wo	rksneet	determines if the d	iesigneo	a landscape	meets the wa	ter budg	et.						
If the strends of		equirement is LESS than the											
	ape water re	quirement is GREATER that	an the lands	cape water allowa	nce, then the landsca	ape and/or ir	rigation system ne	eds to be redesigned to use less water.					
If the landsc	·		- DOLLE		DTO		STEP 3A - REVIEW THE LWA AND LWR FROM PART 1 AND PART 2						
If the landsc	- REVIEW												
If the landsc					RT 2 lons/month)								
If the landsc	- REVIEW												
If the landsc	- REVIEW A 72,6		LWR	36,439 (ga	lons/month)	IDSCAPE	FROM STEP 2	B					
If the landsc STEP 3A LW STEP 3B	- REVIEW A 72,6 - REVIEW	81 (gallons/month)	LWR F TURFG	36,439 (ga RASS* IN THE	Ions/month)			B scaped area.					
If the landsc STEP 3A LW STEP 3B	- REVIEW A 72,6 - REVIEW designed	81 (gallons/month) THE TOTAL AREA O landscape contains	LWR F TURFG 8,998 s	36,439 (ga RASS* IN THE quare feet of t	Ions/month) DESIGNED LAN urfgrass.* This	s is 31%							
If the landsc STEP 3A LW STEP 3B	- REVIEW A 72,6 - REVIEW designed	81 (gallons/month)	LWR F TURFG 8,998 s	36,439 (ga RASS* IN THE quare feet of t	Ions/month) DESIGNED LAN urfgrass.* This	s is 31%							
If the landsc STEP 3A LW STEP 3B	- REVIEW A 72,6 - REVIEW designed	81 (gallons/month) THE TOTAL AREA O landscape contains	LWR F TURFG 8,998 s	36,439 (ga RASS* IN THE quare feet of t	Ions/month) DESIGNED LAN urfgrass.* This	s is 31%							
If the landsc STEP 3A LW STEP 3B The o	- REVIEW A 72,6 - REVIEW designed *This inclue	81 (gallons/month) THE TOTAL AREA O landscape contains	LWR F TURFG 8,998 s id/or water feat	36,439 (gal RASS* IN THE quare feet of t tures, designated by W	DESIGNED LAN urfgrass.* This /aterSense to be counted	s is 31%							
If the landsc STEP 3A LW STEP 3B The o	- REVIEW A 72,6 - REVIEW designed *This inclue	81 (gallons/month) THE TOTAL AREA O landscape contains les the area of any pools, spas, an	LWR F TURFG 8,998 s id/or water feat	36,439 (gal RASS* IN THE quare feet of t tures, designated by W	DESIGNED LAN urfgrass.* This /aterSense to be counted	s is 31%							
If the landsc STEP 3A LW STEP 3B The o	- REVIEW A 72,6 - REVIEW designed "This incluc	81 (gallons/month) THE TOTAL AREA O landscape contains les the area of any pools, spas, an	LWR F TURFG 8,998 s ad/or water feat	36,439 (gal RASS* IN THE quare feet of t tures, designated by W	DESIGNED LAN urfgrass.* This /aterSense to be counted	s is 31%							
If the landsc STEP 3A LW STEP 3B The o	- REVIEW A 72,6 - REVIEW designed "This incluc - DOES TI	81 (gallons/month) 7 THE TOTAL AREA O Iandscape contains [les the area of any pools, spas, an HE DESIGNED LANDS nen the water budget criterio	LWR F TURFG 8,998 s d/or water feat	36,439 (ga RASS* IN THE quare feet of t turres, designated by W EET THE WAT	lons/month) DESIGNED LAN urfgrass.* This /// aterSense to be counted ER BUDGET?	s is 31% as turfgrass.							
If the landsc STEP 3A LW STEP 3B The o	- REVIEW A 72,6 - REVIEW designed "This incluc - DOES TI	81 (gallons/month) 7 THE TOTAL AREA O Iandscape contains [les the area of any pools, spas, an HE DESIGNED LANDS	LWR F TURFG 8,998 s d/or water feat	36,439 (ga RASS* IN THE quare feet of t turres, designated by W EET THE WAT	lons/month) DESIGNED LAN urfgrass.* This /// aterSense to be counted ER BUDGET?	s is 31% as turfgrass.							
If the landsc STEP 3A LW STEP 3B The o OUTPUT	- REVIEW A 72,6 - REVIEW designed "This inclue - DOES TI If YES, the If NO, the	81 (gallons/month) 7 THE TOTAL AREA O Iandscape contains [les the area of any pools, spas, an HE DESIGNED LANDS nen the water budget criterio	LWR F TURFG 8,998 s id/or water feat SCAPE M on is met. gation system	36,439 (ga RASS* IN THE quare feet of t rurres, designated by W EET THE WAT m needs to be red	lons/month) DESIGNED LAN urfgrass.* This /// aterSense to be counted ER BUDGET?	as turfgrass.	of the land						

SECTION 3: SITE DESIGN - WATER

CREDIT 3.5 DESIGN FUNCTIONAL STORMWATER FEATURES AS AMENITIES

Site plan

Goal: 4 points

Site precipitation is managed on site through the use of two rain gardens that will collect stormwater runoff. The rain gardens are integrated into the design of the site and can be accessed by surrounding walkways on every side. The rain gardens are not only functional, but the natural shape and plantings also serve as an aesthetically enhancing feature for site users.

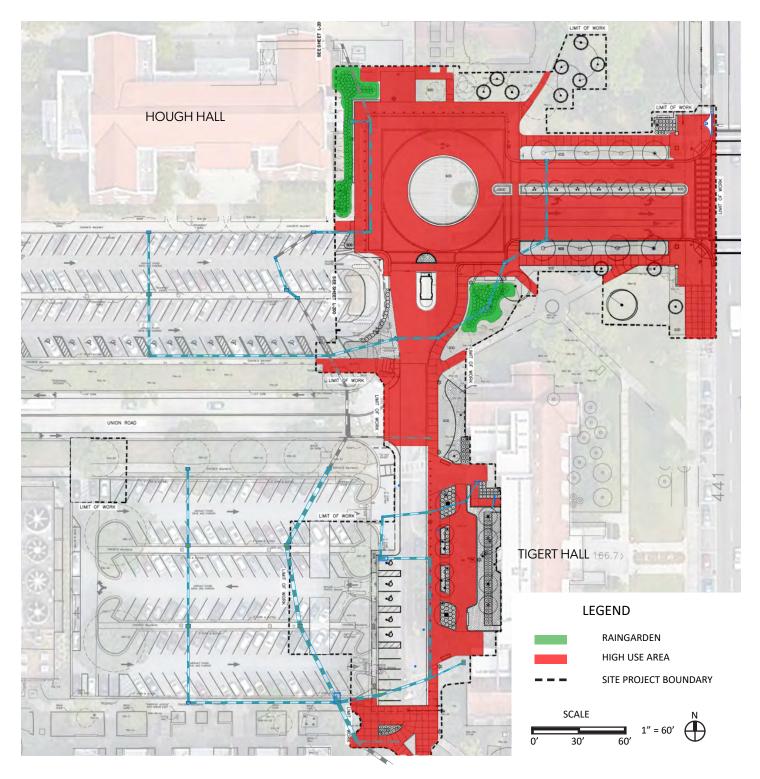


TABLE 1 UF LMP - NE Gateway (Tigert Court) Stage-Storage Calulations

Calculations

Square Footage of stormwater and conveyance features Area Drains/Gutters - 201 Sq.ft. 8" Pipe - 35.6 Sq.ft. 10" Pipe - 22.92 Sq.ft. 12" Pipe - 82.3 Sq.ft. 15" Pipe - 72.5 Sq.ft 18" Pipe - 942.72 Sq.ft 30" Pipe - 243.25 Sq.ft Stormwater Ponds - 2,491 Sq.ft.

Rain Garden 1 By the Building

		STAGE	AREA		STORAGE	
_		(ft)	(ac)	(sft)	(ac-ft)	(cft)
	TOP OF BANK	165.8	0.03	1477.00	0.02	696.80
	POND BOTTOM	165	0.01	265.00	0	0.00

Rain Garden 2 By the Guard House

		STAGE	AREA		STOP	RAGE
_		(ft)	(ac)	(sft)	(ac-ft)	(cft)
[TOP OF BANK	166	0.02	1014.00	0.01	622.00
	POND BOTTOM	165	0.01	230.00	0	0.00

Combined Retention (Rain Gardens)

1318.80

Photographs

Total - 4091.29 Sq.ft.





SECTION 4: SITE DESIGN | SOIL + VEGETATION

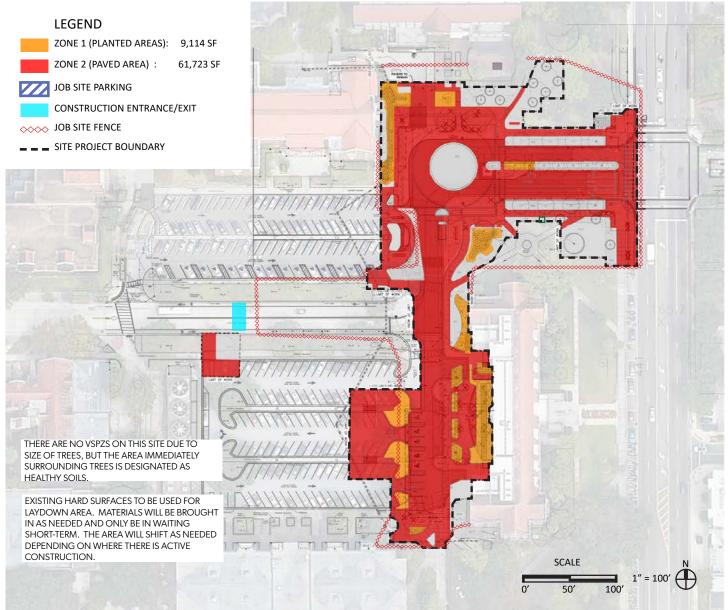
Prerequisite	Тпте	Points
Soil+Veg P4.1	Create and communicate a soil management plan	Required
Soil+Veg P4.2	Control and manage invasive plants	Required
Soil+Veg P4.3	Use appropriate plants	Required
Credit	Тпте	Points
Soil+Veg C4.8	Optimize biomass	1 points
Soil+Veg C4.9	Reduce urban heat island effects	4 points

SECTION 4: SITE DESIGN - SOIL + VEGETATION

PREREQUISITE 4.1 CREATE AND COMMUNICATE A SOIL MANAGEMENT PLAN

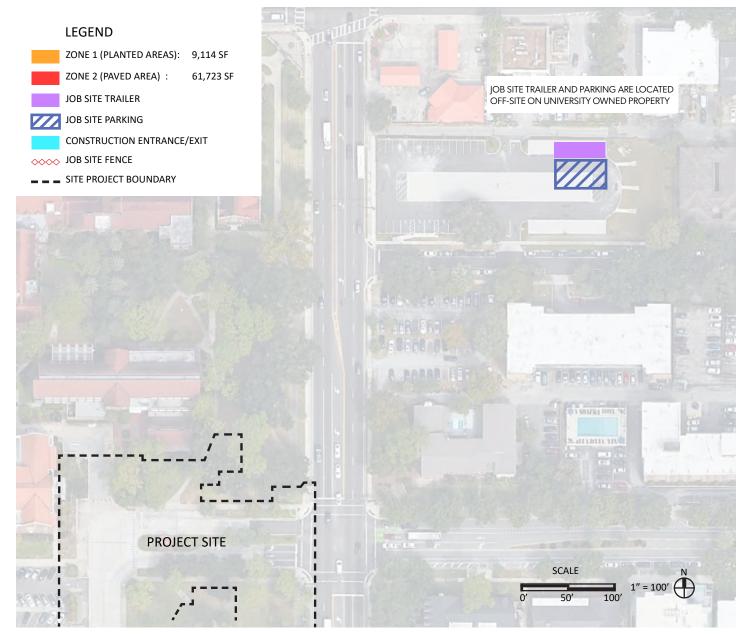
Site plan

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Northeast Gateway's soil management plan is shown as a series of hatch pattern zones with a key offering square footages of each soil restoration treatment zone, as well as the material staging area. Zone 1 outlines the disturbed areas where existing paving will be removed, some construction excavation will occur, and the underlying soil will be remediated and restored. Areas of sod that are not disturbed during construction will not have underlying soil remediated. Zone 2 contains pavement that will not be re-vegetated. The materials staging area is on existing paving that will remain in place and construction vehicle access is available down Newell Drive. The specific activities and methods of soil remediation will be described in more detail in the narrative portion of the submission documents and in the required Soil Management Plan Worksheet.

Site plan



SITES® v2 Soil Management Plan Worksheet P4.1: CREATE AND COMMUNICATE A SOIL MANAGEMENT PLAN PROJECT ID# Northeast Gateway 13742

INSTRUCTIONS:

1. Fill out this sheet once for each planned vegetated zone (the entire vegetated area of the site is either Veg & Soil Protection or Soil Restoration zones)

VEGETATION AND SOIL PROTECTION ZONE INFORMATION (all areas designated as VSPZs under P:2.3)					
VEGETATION AND SOIL PROTECTION ZONE ID	N/A - Due to size of mature trees				
VSP ZONE SURFACE AREA (square feet)	N/A - See strategy below				
VEGETATION AND SOIL PROTECTION STRATEGY	Tree protection barriers will be installed around base of tree before construction begins. VSPZ boundaries are shown to the greatest extent possible, due to large size of exisging trees the VSPZ boundaries do not meet requirements.				

SOIL RESTORATION ZONE ID	Zone 1
DISTURBED BY CURRENT CONSTRUCTION?	Yes
PREVIOUSLY DISTURBED SOILS?	Yes
PLANTING TYPE / COVER	Planting beds, native vegetation, trees and turf
ZONE SURFACE AREA (square feet)	28,867
SOIL RESTORATION STRATEGY	Disturbed soils identified in zone 1 will be restored using the following strategy. Landscape beds will have remediated soils to a depth of 12", tree planting areas to a depth of 18" and rain gardens to a depth of 24". Remediated soils shall meet the minimum requirements of ASTM D5268 Standard Specification for Topsoil Used for Landscaping Purpose. Soil testing will be performed on landscape soils to determine amendments required.
SCARIFICATION DEPTH (inches)	6"

SOIL RESTORATION TREATMENT

COLE REOTORATION IT								
TREATMENT*	INCHES APPLIED	AREA PER ZONE (square feet)	ESTIMATED QUANTITY (cubic yards)	PRODUCT NAME and MANUFACTURER/SUPPLIER NAME				
Soil for raingardens	24	2692	200.2848					
Topsoil for plantings	12	18,370	683.364	O'Steen Brothers of Gainesville				
Topsoil for trees	18	7,805	435.519	O'Steen Brothers of Gainesville				
			0					
*Retain delivery tickets for each tre	atment	-						

COMMUNICATION OF SOIL MANAGEMENT PLAN

Brya Burger

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Soil Restoration Treatment

As indicated by the chart, we imported local topsoils for the restoration of each treatment zone. These topsoils were procured from the top 6" of soil on local construction sites prior to the commencement of site work operations. Soils were amended based on the recommendations of the testing lab.

SECTION 4: SITE DESIGN - SOIL + VEGETATION

General

Indicated fertilizer amounts, coupled with nutrients already in the soil, will satisfy the crop-nutrient requirement for this growing season. Fertilizer and water management are linked. Maximum fertilizer efficiency is achieved only with close attention to water management. Supply only enough irrigation water to satisfy plant requirements and minimize leaching conditions.

Established trees (more than three to five years since transplanting) do not need routine fertilization.

For recently-planted trees, broadcast fertilizer within a diameter of 1.5 times the dripline diameter.

Broadcast P2O5 either in one application or as half the recommended amount in each of two applications during the growing season. To minimize leaching losses, broadcast N and K2O in small increments throughout the growing season. Schedule one application every 12 weeks (three times per growing season), adding 33% of the recommended amount of N and K2O at each application. To insure equal coverage when fertilizer rates are small, blend all compatible fertilizers.

Soil pH

The pH of this soil is quite high. If this is a natural condition (i.e. if it is not from the over-application of lime), it is generally impractical to lower the soil pH with soil ammendments. Use plant species that are tolerant of high soil pH.

Gypsum

Apply 10 lb gypsum per 1000 sq. ft. as a calcium fertilizer source.

Magnesium

Apply the equivalent of 35 lb Mg/A, or 0.8 lb Mg per 1000 sq. ft., in a soluble form, such as magnesium sulfate or potassium magnesium sulfate.

Lime and Fertilizer Recommendations

Lime:	0.00	lbs per 1000 sq. ft.
Nitrogen(N):	1.10	lbs per 1000 sq. ft.
Phosphorus(P ₂ O ₅):	0.00	lbs per 1000 sq. ft.
Potassium(K ₂ O):	0.00	lbs per 1000 sq. ft.
Magnesium(Mg):	0.80	lbs per 1000 sq. ft.

We do not test soil for N as there is no meaningful soil test for predicting N availability. Thus, the N recommendation was developed from research that measured response of the indicated crop to applied N fertilizer. If you expect significant nutrient release from organic sources such as crop residues or organic amendments, estimate the amount mineralized and subtract that amount from the fertilizer recommendations given below to arrive at crop needs.

IMPORTANT: Prior to making any of the recommended applications, read carefully the footnotes/directions on this report. If you have any questions, please call the county extension agent listed above.

Prerequisite 4.2 | Control and manage invasive plants

CASE 1: NO INVASIVE PLANTS FOUND ON SITE

Narrative

The contractor shall ensure all plant material is free of invasive plants identified n the Florida Exotic Plant Council's List of Invasive Plant Species. The contractor is to inspect all plant material prior to delivery to the project site. In addition, the project landscape architect, who prepared the landscape plan, will inspect the project to assure that no invasives were inadvertently permitted to volunteer on the project site.

Landscape designs on campus are bound by the requirements of the University of Florida Landscape Master Plan, which addresses the general approach to landscape design on campus. It also provides a list of specific plant species that are permitted to be used on the campus, none of which are invasives, and many of which are Florida native plants.

A review of landscape designs and plant material selections for all campus projects is required by the UF's Lakes, Vegetation and Landscape (LVL) Committee, which reviews designs at the 30% and 60% stages of plan completion. This committee requires that the landscape architects present the designs at monthly meetings. The presentations are followed by a rigorous review by Committee members, who are comprised of UF faculty and staff including horticulture and landscape architecture professors as well as Grounds personnel.

The image below is taken from the first page of the approved plant list from the UF Landscape Master Plan.

GENERAL CAMPUS PLANT PALETTE

The plant species listed here have been selected in part to provide designers with varying options related to cultural requirements, texture, color and seasonal variety. The high percentage of native plants listed is intentional and is a reflection of the University's dedication to environmental stewardship. However no plant list can adequately meet all planting requirements for all conditions, and as a result a request to specify a plant that is not listed below may be made to the lakes, Vegetation, and landscoping Committee by submitting a formal request through the University's assigned project manager at the Planning Design and Construction Division.

LARGE TREES

BOTANICAL NAME	LIGHT	SOIL MOISTURE	NATIVE
Acer rubrum Red Maple	۵ 🌦		+
Carya glabra Pignut Hickory	۵ 🌦	66-666	-
Carya illinoensis Pecan	۵	66-666	+
Fraxinus pennsylvanica Green Ash	۵ کې 💐	66-666	-
Gordonia lasianthus Loblolly bay	۵ 🌦	66-666	-
Liquidambar styraciflua Sweetgum	۵ ک	* -**	-
Liriodendron tulipifera Tulip Poplar	۲		-
Magnolia grandiflora Southern Magnolia	۵ 🌦 🌞		-
Magnolia virginiana and cvs. Sweetbay Magnolia	۵ 🌦	66-666	-
Persea borbonia Red bay	۵ ک	6-666	-
Pinus elliottii Slash Pine	۵ ک	66-666	-
Pinus elliottii var. elliottii Northern Slash Pine	۵ 🌦		-
Pinus palustris Long Leaf Pine	۵ 🌦	6-66	-
Pinus taeda Loblolly Pine	۲	66-666	-
Platanus occidentalis Sycamore	۵ 🌦		+
Quercus falcata Southern Red Oak	۲		-
Quercus geminata Sand Live Oak	۲		+
Quercus michauxii Swamp Chestnut Oak	۲	66-666	-

SITES® v2 Vegetation Worksheet
P4.2: CONTROL AND MANAGE INVASIVE PLANTS
P4.3: USE APPROPRIATE PLANTS
C4.4: CONSERVICE HEALTHY SOILS AND APPROPRIATE VEGETATION
C4.6: CONSERVE AND USE NATIVE PLANTS
C4.7: CONSERVE AND RESTORE NATIVE PLANT COMMUNITIES
C6.7: PROVIDE ON-SITE FOOD PRODUCTION
C4.10: USE VEGETATION TO MINIMIZE BUILDING ENERGY USE
C4.11: REDUCE THE RISK OF CATASTROPHIC WILDFIRE

PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

1. Fill out this sheet once for each planned vegetated zone

SITE INFORMATION	
VEGETATED ZONE ID	Zone 1
VEGETATED ZONE (square feet or acres)	36,184 sq. ft.
SOIL RESTORATION ZONE ID	Zone 1
SOIL DEPTH (inches)	12 inches
SPACE LIMITATIONS	None
APPROXIMATE DIRECT SUN TIME (hours)	12 hours, 9 minutes
SUN EXPOSURE	Full Sun
PRECIPITATION (annual average in inches)	47.09
HARDINESS ZONE (USDA, where available)	8B - 9A
EPA LEVEL III ECOREGION (where available)	Southern Coastal Plain
COUNTY	Alachua
STATE	Florida
COUNTRY	United States

SITES [®] v2 Vegetati	on Worksheet
P4.2: CONTROL AND MANAGE IN	ASIVE PLANTS
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C4.4: CONSERVICE HEALTHY SO	LS AND APPROPRIATE VEGETATION
C4.6 CONSERVE AND USE NATIVE	PLANTS
C4.7: CONSERVE AND RESTORE	NATIVE PLANT COMMUNITIES
C6.7: PROVIDE ON-SITE FOOD PR	ODUCTION
C4.10: USE VEGETATION TO MINI	MIZE BUILDING ENERGY USE
C4.11: REDUCE THE RISK OF CATASTROPHIC WILDFIRE	

PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Betula nigra
COMMON NAME	River Birch
CULTIVAR, HYBRID, VARIETY, ETC.	N/A
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Bronze birch border
IS THE SPECIES DISEASE/PEST RESISTANT?	Usually disease/ pest free
MATURE HEIGHT and SPREAD	40'-70' FT Ht., 40'-60' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Average, medium to wet soils
PLANT WATER USE	Medium to wet
HARDINESS RANGE (USDA, where available)	3A - 9B
SPECIAL MAINTENANCE REQUIREMENTS	No
USDA PLANTS DATABASE NATIVE STATUS:	L48 N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	No
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	No
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

SITES [®] v2 Vegetation Worksheet
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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Lagerstroemia indica 'Muskogee'
COMMON NAME	Crape Myrtle
CULTIVAR, HYBRID, VARIETY, ETC.	Muskogee
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Fungal leaf spot and powdery mildew, chlorosis, aphids and scale, winter injury
IS THE SPECIES DISEASE/PEST RESISTANT?	No
MATURE HEIGHT and SPREAD	4'-12' FT Ht., 4'-12' FT Sprd.
SUN EXPOSURE	Full sun
SOIL REQUIREMENTS	Loamy, clay soils
PLANT WATER USE	Medium
HARDINESS RANGE (USDA, where available)	7A -10A
SPECIAL MAINTENANCE REQUIREMENTS	Pruning should be done in later winter/ early spring, pinch during growing seacon
USDA PLANTS DATABASE NATIVE STATUS:	L48 I, PB I, PR I
NATIVE TO EPA LEVEL III ECOREGION?	Νο
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Νο
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	Νο
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

SITES [®] v2 Vegetation Worksheet
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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Pinus palustris
COMMON NAME	Longleaf Pine
CULTIVAR, HYBRID, VARIETY, ETC.	N/A
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Borers, sawflies, pine-shoot moth, pine weevils
IS THE SPECIES DISEASE/PEST RESISTANT?	Usually disease/ pest free
MATURE HEIGHT and SPREAD	60'-80' FT Ht., 30'-40' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Clay, loam, sand, slightly alkaline, acidic, well-drained soil
PLANT WATER USE	Medium to wet
HARDINESS RANGE (USDA, where available)	7b- 9a
SPECIAL MAINTENANCE REQUIREMENTS	Droop as the tree grows, needs little pruning to develop a strong structure
USDA PLANTS DATABASE NATIVE STATUS:	L48 N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Yes
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	Νο
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

SITES [®] v2 Vegetatio	n Worksheet
P4.2: CONTROL AND MANAGE INVA	SIVE PLANTS
P4.3: USE APPROPRIATE PLANTS	
C4.4: CONSERVICE HEALTHY SOILS	AND APPROPRIATE VEGETATION
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C4.11: REDUCE THE RISK OF CATASTROPHIC WILDFIRE	

PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Prunus angustifolia
	Chickasaw Plum
CULTIVAR, HYBRID, VARIETY, ETC.	N/A
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Plum curculio, brown rot, leaf spot, canker, black knot, aphids, scale, borers, tent caterpillars
IS THE SPECIES DISEASE/PEST RESISTANT?	Usually disease/ pest free
MATURE HEIGHT and SPREAD	4'-20' FT Ht., 4'-20' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Average, medium, well-drained soils
PLANT WATER USE	Medium
HARDINESS RANGE (USDA, where available)	6A - 9B
SPECIAL MAINTENANCE REQUIREMENTS	Propagation is by seed or cuttings
USDA PLANTS DATABASE NATIVE STATUS:	L48 N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Yes
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	Νο
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	Νο

SITES® v2 Vegetation Worksheet	
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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Quercus michauxii
	Swamp Chestnut Oak
CULTIVAR, HYBRID, VARIETY, ETC.	N/A
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Oak wilt, chestnut blight, shoestring root rot, anthracnose, oak leaf blister, cankers, leaf spots, powdery mildew, scale, oak skeletonizer,
IS THE SPECIES DISEASE/PEST RESISTANT?	Usually disease/ pest free
MATURE HEIGHT and SPREAD	60'-80' FT Ht., 30'-50' FT Sprd.
SUN EXPOSURE	Full sun
SOIL REQUIREMENTS	Acidic, moist loams
PLANT WATER USE	Medium to wet
HARDINESS RANGE (USDA, where available)	4a - 9b
SPECIAL MAINTENANCE REQUIREMENTS	No
USDA PLANTS DATABASE NATIVE STATUS:	L48 N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Yes
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	Νο
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

SITES [®] v2 Vegetation Worksheet
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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Quercus shumardii
COMMON NAME	Shumard Red Oak
CULTIVAR, HYBRID, VARIETY, ETC.	N/A
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Anthracnose, canker, lead spot, rust, blight, galls, caterpillars, borersm leaf miners, oak lave bug and oak mite. Chlorosis.
IS THE SPECIES DISEASE/PEST RESISTANT?	Usually disease/ pest free
MATURE HEIGHT and SPREAD	40'-60' FT Ht., 30'-40' FT Sprd.
SUN EXPOSURE	Full sun
SOIL REQUIREMENTS	Average, dry to medium moisture, adifici, well-drained soils
PLANT WATER USE	Dry to medium
HARDINESS RANGE (USDA, where available)	5b - 9b
SPECIAL MAINTENANCE REQUIREMENTS	No
USDA PLANTS DATABASE NATIVE STATUS:	L48 N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Yes
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	No
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

SITES® v2 Vegetati	on Worksheet
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C4.11: REDUCE THE RISK OF CAT	TASTROPHIC WILDFIRE

PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Sabal Palmetto
COMMON NAME	Cabbage Palmetto
CULTIVAR, HYBRID, VARIETY, ETC.	N/A
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Weevil, Ganoderma butt rot, Thielaviopsis trunk rot, Texas phoenix palm decline
IS THE SPECIES DISEASE/PEST RESISTANT?	Usually disease/ pest free
MATURE HEIGHT and SPREAD	40'-50' FT Ht., 10'-15' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Clay, loam, sand, acidic, alkaline, well-drained soil
PLANT WATER USE	Low
HARDINESS RANGE (USDA, where available)	8b - 11
SPECIAL MAINTENANCE REQUIREMENTS	Needs little pruning
USDA PLANTS DATABASE NATIVE STATUS:	L48 N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Yes
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	Νο
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	Νο

SITES® v2 Vegetation Worksheet
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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Taxodium distichum
COMMON NAME	Bald Cypress
CULTIVAR, HYBRID, VARIETY, ETC.	
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Chlorosis, bagworms, gall mites, spider mites, twig blight
IS THE SPECIES DISEASE/PEST RESISTANT?	Usually disease/ pest free
MATURE HEIGHT and SPREAD	50'-70' FT Ht., 20'-45' FT Sprd.
SUN EXPOSURE	Full sun
SOIL REQUIREMENTS	Average, medium to wet, moisture retantive but reasonably well- drained soils
PLANT WATER USE	Medium to wet
HARDINESS RANGE (USDA, where available)	4a - 9b
SPECIAL MAINTENANCE REQUIREMENTS	Needs little pruning to develop a strong structure
USDA PLANTS DATABASE NATIVE STATUS:	L48 N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Yes
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	No
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

SITES [®] v2 Vegetation Worksheet
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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Illicium floridanum
COMMON NAME	Florida Anisetree
CULTIVAR, HYBRID, VARIETY, ETC.	N/A
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	No serious insect or disease problems
IS THE SPECIES DISEASE/PEST RESISTANT?	Yes
MATURE HEIGHT and SPREAD	6'-10' FT Ht., 4'-8' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Moist soils
PLANT WATER USE	Medium
HARDINESS RANGE (USDA, where available)	7a - 10b
SPECIAL MAINTENANCE REQUIREMENTS	Pruning once a year
USDA PLANTS DATABASE NATIVE STATUS:	L48 N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	No
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	No
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	Νο

SITES [®] v2 Vegetation Worksheet
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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Muhlenbergia capillaris
COMMON NAME	Pink Muhly Grass
CULTIVAR, HYBRID, VARIETY, ETC.	N/A
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	No serious insect or disease problems
IS THE SPECIES DISEASE/PEST RESISTANT?	Yes
MATURE HEIGHT and SPREAD	2'-3' FT Ht., 2'-3' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Sandy or rocky, dry to medium moisture, well-drained soils
PLANT WATER USE	Dry to medium
HARDINESS RANGE (USDA, where available)	5a - 9b
SPECIAL MAINTENANCE REQUIREMENTS	Low
USDA PLANTS DATABASE NATIVE STATUS:	L48 N, PR N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Yes
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	No
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

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P4.2: CONTROL AND MANAGE INVASIVE PLANTS
P4.3: USE APPROPRIATE PLANTS
C4.4: CONSERVICE HEALTHY SOILS AND APPROPRIATE VEGETATION
C4.6 CONSERVE AND USE NATIVE PLANTS
C4.7: CONSERVE AND RESTORE NATIVE PLANT COMMUNITIES
C6.7: PROVIDE ON-SITE FOOD PRODUCTION
C4.10: USE VEGETATION TO MINIMIZE BUILDING ENERGY USE
C4.11: REDUCE THE RISK OF CATASTROPHIC WILDFIRE

PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Podocarpus macrophyllus 'Dwarf pringles'
COMMON NAME	Dwarf Podocarpus
CULTIVAR, HYBRID, VARIETY, ETC.	Dwarf pringles
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	No serious insect or disease problems
IS THE SPECIES DISEASE/PEST RESISTANT?	Νο
MATURE HEIGHT and SPREAD	20'-40' FT Ht., 10'-20' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Rich, slightly scidic, well-drained soils
PLANT WATER USE	Medium
HARDINESS RANGE (USDA, where available)	7a - 9b
SPECIAL MAINTENANCE REQUIREMENTS	Needs little pruning to deveop a strong structure
USDA PLANTS DATABASE NATIVE STATUS:	L48 N, PR I
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	No
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	Νο
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	Νο

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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Zamia pumila
	Coontie
CULTIVAR, HYBRID, VARIETY, ETC.	N/A
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	No serious insect or disease problems
IS THE SPECIES DISEASE/PEST RESISTANT?	No
MATURE HEIGHT and SPREAD	1'-5' FT Ht., 3'-5' FT Sprd.
SUN EXPOSURE	Full sun to deep shade
SOIL REQUIREMENTS	Grows in any soil type
PLANT WATER USE	Low
HARDINESS RANGE (USDA, where available)	7b - 10b
SPECIAL MAINTENANCE REQUIREMENTS	Νο
USDA PLANTS DATABASE NATIVE STATUS:	L48 N, PR N
NATIVE TO EPA LEVEL III ECOREGION?	Yes
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Yes
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	Νο
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Agapanthus africanus 'Queen Anne'
COMMON NAME	Queen Anne Lily of the Nile
CULTIVAR, HYBRID, VARIETY, ETC.	Queen Anne
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	No serious insect or disease problems
IS THE SPECIES DISEASE/PEST RESISTANT?	No
MATURE HEIGHT and SPREAD	1.5'-2' FT Ht., 1.5'-2' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Moist soil,
PLANT WATER USE	Medium
HARDINESS RANGE (USDA, where available)	8a - 11b
SPECIAL MAINTENANCE REQUIREMENTS	No
USDA PLANTS DATABASE NATIVE STATUS:	Not in PFA
NATIVE TO EPA LEVEL III ECOREGION?	No
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	No
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	No
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Liriope muscari 'Emerald Goddess'
COMMON NAME	Liriope
CULTIVAR, HYBRID, VARIETY, ETC.	Emerald Goddess
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Mites, slugs, snails, scale
IS THE SPECIES DISEASE/PEST RESISTANT?	No
MATURE HEIGHT and SPREAD	1'-1.5' FT Ht., 0.75'-1' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Average, medium moisture, well-drained soil
PLANT WATER USE	Medium
HARDINESS RANGE (USDA, where available)	5b - 10b
SPECIAL MAINTENANCE REQUIREMENTS	Cut foliage to the ground in later winter to early spring
USDA PLANTS DATABASE NATIVE STATUS:	L48 I
NATIVE TO EPA LEVEL III ECOREGION?	Νο
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Νο
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	Νο
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	Νο

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C4.11: REDUCE THE RISK OF CATASTROPHIC WILDFIRE

PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

PLANT INFORMATION	
VEGETATED ZONE ID	Zone 1
SCIENTIFIC NAME	Trachelospermum asiaticum 'Minima'
COMMON NAME	Minima Jasmine
CULTIVAR, HYBRID, VARIETY, ETC.	Minima
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	No serious insect or disease problems
IS THE SPECIES DISEASE/PEST RESISTANT?	Yes
MATURE HEIGHT and SPREAD	3'-6' FT Ht., 3'-6' FT Sprd.
SUN EXPOSURE	Full sun to part shade
SOIL REQUIREMENTS	Medium wet, well-drained loams
PLANT WATER USE	Medium
HARDINESS RANGE (USDA, where available)	7a - 11b
SPECIAL MAINTENANCE REQUIREMENTS	Pruning along sidewalks and other edges, Propagation
USDA PLANTS DATABASE NATIVE STATUS:	N/A
NATIVE TO EPA LEVEL III ECOREGION?	No
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	No
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	No
NURSERY GROWN?	Yes
LEGALLY HARVESTED?	Yes
FOOD PRODUCTION?	No

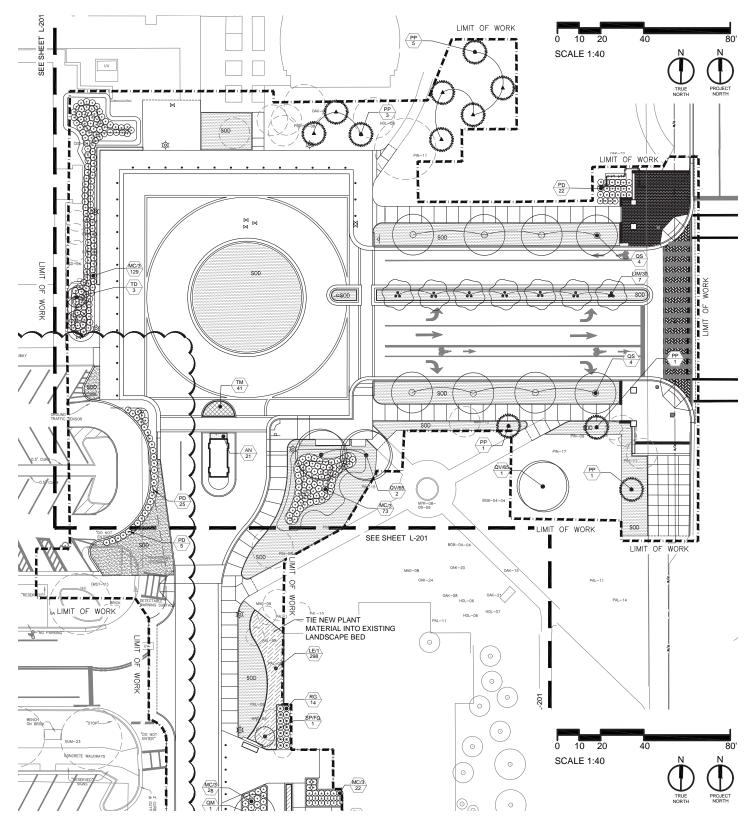
SITES® v2 Vegetation Worksheet		
P4.2: CONTROL AND MANAGE INVASIVE PLANTS		
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C4.11: REDUCE THE RISK OF CATASTROPHIC WILDFIRE		

PROJECT NAME	PROJECT ID#
Newell Entry	13740

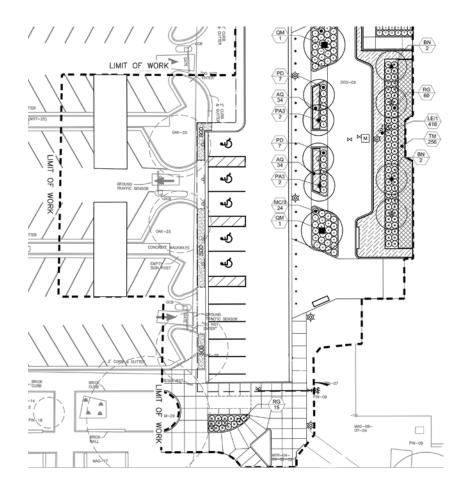
PLANT INFORMATION		
VEGETATED ZONE ID	Zone 1	
SCIENTIFIC NAME	Zoysia japonica	
COMMON NAME	Korean Grass	
CULTIVAR, HYBRID, VARIETY, ETC.	Empire	
KNOWN DISEASES/PESTS FOR THE SPECIES IN THE REGION	Pest Problems: Hunting billbug, mole crickets, white grubs, sod webworms, and nematodes. Large Patch disease	
IS THE SPECIES DISEASE/PEST RESISTANT?	Weed resistant	
MATURE HEIGHT and SPREAD	2-4" HT. 2'-3' SPRD. Per year	
SUN EXPOSURE	Full sun to partial shade	
SOIL REQUIREMENTS	Clay; sand; loam; alkaline; acidic	
PLANT WATER USE	Irrigation as needed, less water needed in fall and winter	
HARDINESS RANGE (USDA, where available)	7B through 10B	
SPECIAL MAINTENANCE REQUIREMENTS	No	
USDA PLANTS DATABASE NATIVE STATUS:	L48 I	
NATIVE TO EPA LEVEL III ECOREGION?	Yes	
NATIVE TO COUNTY or KNOWN TO NATURALLY OCCUR WITHIN 200 MILES OF THE SITE?	Yes	
FEDERAL and/or STATE NOXIOUS WEED/INVASIVE STATUS	Νο	
NURSERY GROWN?	Yes	
LEGALLY HARVESTED?	Yes	
FOOD PRODUCTION?	Νο	

PREREQUISITE 4.3 USE APPROPRIATE PLANTS

Planting plan



SECTION 4: SITE DESIGN - SOIL + VEGETATION



PLANT SCHEDULE NE GATEWAY					
TREES	QTY	BOTANICAL NAME	COMMON NAME		
BN	4	Betula nigra	River Birch		
LIM/30	7	Lagerstroemia indica `Muskogee`	Crape Myrtle Multi-Trunk		
PP	11	Pinus palustris	Longleaf Pine		
QS	8	Quercus shumardii	Shumard Red Oak		
QV/65	3	Quercus virginiana	Southern Live Oak		
SP/FG	1	Sabal palmetto	Cabbage Palmetto		
TD	3	Ulmus alata	Winged Elm		
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME		
MC/3	276	Muhlenbergia capillaris	Pink Muhly Grass		
PD	66	Podocarpus macrophyllus `Dwarf Pringles`	Dwarf Podocarpus		
RG	89	Rhododendron indicum `Mrs. G.G. Gerbing`	Azalea G.G. Gerbing		
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME		
AQ	68	Agapanthus africanus `Queen Anne`	Queen Anne Lily of the Nile		
LE/1	716	Liriope muscari `Emerald Goddess`	Liriope		
ТМ	297	Trachelospermum asiaticum `Minima`	Minima Jasmine		
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME		
PN	1,270 sf	Paspalum notatum	Bahia Grass		
MULCH		Pine Straw Mulch			
ZE	7,728 sf	Zoysia japonica `Empire`	Korean Grass		

Based upon the existing plants that were located on site prior to construction, the soil testing that was completed pre-construction and post-construction, and final grading and drainage on the site, the plants are appropriate for the site conditions. Grading and drainage conditions are important to understand because there are two rain gardens on site receiving direct surface runoff for stromwater infiltration. Plants specidfied for each of these areas are acclimated to periodic inundation of water along with periodic dry conditions. In addition, an important landscape design concept that was executed as a part of the Northeast Gateway project, was the reintroduction of Longleaf Pines at the east end of the project adjacent to 13th street / US 441. These pines were historically found on the east side of the campus but most were lost over time to capmus facility expansions and additions. The intent was to reestablish the pine community, and those trees, now planted, are again thriving. Information on each plant provided by the UF Institute of Food and Agricultural Sciences is included. This information is evidence of the appropriateness of the plants specified.

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PROJECT NAME	PROJECT ID#
Northeast Gateway	13742

INSTRUCTIONS:

1. Fill out this sheet once for each planned vegetated zone

SITE INFORMATION	
VEGETATED ZONE ID	Zone 1
VEGETATED ZONE (square feet or acres)	36,184 sq. ft.
SOIL RESTORATION ZONE ID	Zone 1
SOIL DEPTH (inches)	12 inches
SPACE LIMITATIONS	None
APPROXIMATE DIRECT SUN TIME (hours)	12 hours, 9 minutes
SUN EXPOSURE	Full Sun
PRECIPITATION (annual average in inches)	47.09
HARDINESS ZONE (USDA, where available)	8B - 9A
EPA LEVEL III ECOREGION (where available)	Southern Coastal Plain
COUNTY	Alachua
STATE	Florida
COUNTRY	United States

SECTION 4: SITE DESIGN – SOIL + VEGETATION

UF IFAS Extension

Agapanthus orientalis Agapanthus, African Lily, Lily of the Nile¹

Edward F. Gilman, Ryan W. Klein, and Gail Hansen²

Introduction

Clusters of large, blue, funnel-shaped flowers appear atop long stalks in summer and early fall, rising above the coarse, strap-like, green leaves. Flowers make a wonderful display in mass plantings. They can also be used as accents in a small garden or by the patio.



Figure 1. Full form—*Agapanthus orientalis*: agapanthus, African lily, lily of the Nile. Credits: Edward F. Gilman, UF/IFAS



Figure 2. Flower—*Agapanthus orientalis*: agapanthus, African lily, lily of the Nile. Credits: Edward F. Gilman, UF/IFAS

General Information

Scientific name: Agapanthus orientalis Pronunciation: ag-uh-PANTH-us or-ee-en-TAY-liss Common name(s): Agapanthus, African lily, lily of the Nile Family: Amaryllidaccae Plant type: perennial, herbaceous USDA hardiness zones: 9 through 11 (Figure 3) Planting month for zone 9; year-round Planting month for zone 0; year-round Planting month for zone 10 and 11: year-round Origin: not native to North America Invasive potential: not known to be invasive

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 Edward F. Gilman, professor, Environmental Horticulture Department; Ryan W. Klein, graduate assistant, Environmental Horticulture Department; and Gail Hansen, associate professor, Environmental Horticulture Department; UF/IFAS Extension, Gainesville, FL 32611.

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Paulawad: 06/2022

yellows and light orange with the blue-flowered agapanthus. The white-flowered variety can be used with any other color to brighten the space.

Pests and Diseases

Botrytis can devastate a planting, especially in humid climates in the eastern US. Try the disease-resistant selections in the East. Uses: mass planting: container or above-ground planter; groundcover; accent; edging; attracts hummingbirds; suitable for growing indoors Availability: somewhat available, may have to go out of the



Figure 3. Snaded area represents potential planting rang

Description

FPS 18

Height: 2 to 4 feet Spread: 1 to 2 feet Plant habit: upright Plant density: moderate Growth rate: moderate Texture: medium

Foliage

Leaf arrangement: alternate Leaf type: simple Leaf margin: entire Leaf shape: linear Leaf venation: parallel Leaf type and persistence: evergreen Leaf blade length: 8 to 12 inches Leaf color: green Fall color: no fall color change Fall characteristic: not showy

Flower

Flower color: blue; lavender; purple Flower characteristic: summer-flowering

Fruit

Fruit shape: no fruit Fruit length: no fruit Fruit cover: no fruit Fruit color: no fruit Fruit characteristic: no fruit

Agapanthus orientalis Agapanthus, African Lily, Lily of the Nile

UF IFAS Extension

Trunk and Branches

Trunk/bark/branches: not applicable Current year stem/twig color: not applicable Current year stem/twig thickness: not applicable

Culture

Light requirement: plant grows in part shade/part sun Soil tolerances: occasionally wet; slightly alkaline; clay; sand; acidic; loam Drought tolerance:

Soil salt tolerance: unknown Plant spacing: 18 to 24 inches

Other

Roots: not applicable Winter interest: no special winter interest Outstanding plant: plant has outstanding ornamental features and could be planted more Pest resistance: no serious pests are normally seen on the plant

Use and Management

Growing in full sun or partial shade, Agapanthus is usually left undisturbed for several years and will form a large clump, making an attractive groundcover or accent plant. Agapanthus prefers moist, organic soil conditions but can endure drought once established. Plant about 18 to 24 inches apart for a thick groundcover effect.

Available cultivars include: 'Albus,' white flowers; 'Flore Pleno,' double flowers; 'Variegatus,' with striped leaves; and 'Nanus,' a dwarf, compact form.

Propagation is by division or seed.

Disease-resistant selections are available for humid climates.

Problems include chewing insects, maggots, and borers.

Design Considerations

The strap-like leaves and large blue flowers of the agapanthus make it perfect for highly visible spaces in the landscape. Use with plants that are softer with small foliage and mounding or spreading forms. Dark green and/or burgundy foliage in the companion plants will highlight the clusters of blue flowers and soft green of the leaves. New agapanthus cultivars also have white, dark blue, and violetblue flowers. When pairing with other flowering plants use white, and warm colors such as pinks and corals and soft

FPS509

2

Rhododendron x 'George Taber' 'George Taber' Azalea¹

Edward F. Gilman²

Introduction

Profuse, pink springtime blooms are so plentiful and large that they completely hide the foliage, making 'George Taber' azalea a favorite landscape shrub in the south. This large, spreading evergreen azalea is most impressive when used in mass planting as but makes an attractive specimen planting as well. Plant in mass on 4 - to 6-foot centers.

General Information

Scientific name: Rhododendron x 'George Tabor' Pronunciation: roe-duh-DEN-drun Common name(s): 'George Taber' azalea Family: Ericaceae Plant type: shrub USDA hardiness zones: 8 through 10 (Fig. 1) Planting month for zone 8: year round Planting month for zone 9: year round Planting month for zone 10: year round Origin: not native to North America Uses: mass planting; specimen; attracts butterflies; cut flowers; foundation Availability: generally available in many areas within its hardiness ranee

Description

Height: 10 to 12 feet Spread: 8 to 10 feet Plant habit: round Plant density: moderate Growth rate: slow

3

Figure 1. Shaded area represents potential planting range.

Foliage

Texture: medium

Leaf arrangement: alternate Leaf type: simple Leaf margin: entire Leaf shape: ovate Leaf venation: pinnate Leaf type and persistence: evergreen Leaf blade length: 2 to 4 inches Leaf color: green Fall color: no fall color change Fall characteristic: not showy

Flower

Flower color: pink Flower characteristic: spring flowering; winter flowering

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2. Edward F. Gilman, professor, Environmental Horticulture Department; UF/IFAS Extension, Gainesville, FL 32611.

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Agapanthus orientalis Agapanthus, African Lily, Lily of the Nile



SECTION 4: SITE DESIGN – SOIL + VEGETATION

UF IFAS Extension

Azaleas at a Glance¹

Sydney Park Brown²

Spectacular flowers and shade tolerance - are among the reasons for the azalea's popularity in north and central Florida (USDA Hardiness Zones 8a–9b) (Figure 1). Azaleas are not successful in coastal areas where alkaline soils, salt drift, or saline irrigation water are found. They are also not adapted to the warm winters and soil conditions of most of south Florida.



Figure 1.'George L. Taber'—A Southern Indi Credits: Carolyn Wildes, UF/IFAS

Azaleas enhance the home landscape as foundation or mass plantings and as background or foreground plants, depending on their size. They are also sometimes pruned into single-trunked standards that serve as specimen plants. Generally, their open, relaxed growth habit is more suited to informal landscape designs, but they can be shaped more neatly with pruning.

Adapted Species and Hybrids

Azaleas adapted to Florida require 4–8 weeks of temperatures below 50°F (10°C) and generally begin to bloom between February and early April when warm temperatures follow this chilling period. Sporadic flowering is more common in central than in north Florida because of milder winter temperature fluctuation. Azaleas belong to the genus *Rhododendron* and most are native to eastern Asia (evergreen species) or North America (deciduous species). Many azalea types and hybrids exist. Table 1 lists some of the most reliable cultivars for Florida landscapes. Mature plant size, flower characteristics, and bloom season should be considered when selecting azaleas. North Florida is home to several native species, most of which are deciduous and have fnarrant flowers. Native azaleas are listed in Table 2.

General Culture

Azaleas perform best in areas with filtered sunlight. Their shallow root system and low tolerance to drought and poor drainage make placement and care important.

Exposure

Dappled or partial shade provides conditions for healthy growth and optimum flowering. Most do best when protected from intense afternoon sun. On the other hand, dense shade reduces plant growth and flowering. Azalesa exposed directly to early morning sun after a hard freeze thaw too rapidly, which causes bark splitting. Death of

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2. Sydney Park Brown, associate professor emeritus, Environmental Horticulture Department; UF/IFAS Extension, Gainesville, FL 32611.

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branches with split bark may not occur until months after the injury.

Soils

Well-drained, acidic soils with pH 4.5-6.0 are best suited for azaleas because they prefer the ample quantities of iron and other micronutrients that are readily available in acidic soils. Soil pH can be determined with a soil test. The UF/ IFAS Extension Soil Testing Laboratory (https://soilslab.ifas. ufl.edu/ESTL%20Home.asp) or your local UF/IFAS Exten-sion office (https://sfyl.ifas.ufl.edu/find-your-local-office/) can help with soil testing. Research does not indicate any benefit from adding organic matter to individual planting holes. However, when a number of azaleas are being transplanted together, the entire planting bed can be improved by adding organic matter, such as peat, compost, or pine bark. These amendments increase moisture and nutrient retention and lower soil pH. When azaleas are grown in soils with a pH higher than 6.0, they often develop a micronutrient deficiency, most typically iron, which exhibits on new growth as yellowing between the leaf veins (Figure 2). These deficiencies can be treated as needed with foliar sprays containing micronutrients. Soils can be *tempo* rarily modified (made more acidic) by applying elemental sulfur. Because excessive rates injure plant roots, no more than 1 pound of sulfur per 100 square feet of planting should be applied at one time. Apply sulfur no more than two or three times a year. Other soil amendments, such as ammonium sulfate, iron sulfate, and aluminum sulfate can also be used to lower soil pH. These are often included in "acid-forming fertilizers." Azaleas growing in extremely acidic soils (pH 3.5–4.5) will be healthy but grow slowly.

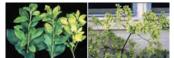


Figure 2. Azalea leaves showing iron deficiency. Credits: UF/IFAS Plant Nutrient Deficiency Database

Planting/Transplanting

The planting hole for an azalea plant should be approximately 12 inches wider than the root mass. Plants should be spaced according to the cultivar's mature size, but generally they should be spaced 3–5 feet apart. Azaleas have very fibrous root systems that easily become pot bound. Before planting, gently loosen the root ball with your fingers and saturate it completely with water. Set the plant in the container, or above the depth at which it was growing in the container.

Azaleas at a Glance

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fill the hole with native soil (no amendments necessary in the planting hole), and water again.

An organic mulch should be applied and maintained at a depth of 2–3 inches to conserve water and reduce weed problems. Make sure the mulch does not cover the top of the root ball or touch the stem. November to February is the best season for transplanting, however, containerized azaleas may be planted any time if proper care is provided. Azaleas easily perish when they are not properly planted and established. When this occurs, the dead or dying azalea can be easily pulled from the soil with the root ball intact and few to no new roots.

Watering

Irrigation is necessary for successful establishment and optimum growth during extended dry periods. Plants transplanted during the dry season into sandy soils require watering two to three times a week until they are established. Generally, established plants shoult receive about \$-1 inch of water every 10 days to 2 weeks during dry periods to wet the soil to a depth of 10–12 inches. The lower leaves of plants that undergo a severe wilt will yellow and drop.

Fertilization

Frequent and light fertilizer applications are often necessary in Florida's sandy soils. An acid-forming fertilizer containing iron and other micronutrients (sometimes sold as an "Azalea Special Fertilizer") should be applied as needed. Micronutrients should be applied with foliar sprays or soil-applied products when deficiencies occur. For more information about nutritional deficiencies, see the Plant Nutrient Deficiency database (https://hort.ifas.ufl.edu/ database/nutde/index.shm].

Pruning

Pruning is necessary to obtain a full, well-branched azalea. Several light prunings just after flowering and continuing through the growing season result in a compact, denser plant with more blooms. Flower buds are initiated in late spring and early summer, long before they can be seen, so pruning should cease in midsummer (July 4 is an easy date to remember). Pruning after this date decreases the number of spring flowers.

Propagation

Evergreen azaleas are usually propagated by 3-4-inch cuttings taken after the spring growth has hardened or matured (June). They are also easy to root using different layering techniques. See Propagation of Landscape Plants (https://edis.ifas.ufl.edu/publication/mg108) and the Azalea Society of America (www.azaleas.org). Deciduous azaleas are usually propagated by seed or air layering because cuttings are difficult to root.

Pests Problems

Lace bugs, spider mites, leafminers/leafrollers, and azalea caterpillars are the most common pest problems for azaleas in the Florida landscape. Lace bugs are sucking insects that feed on the undersides of leaves. The top surface of the injured leaf appears speckled or mottled (Figure 3), and tiny black spots of insect excrement can be seen on the leaf



Figure 3. Lace bug damage on azalea I

Spider mite injury appears as a bronzing or rusty coloration of green leaves. A mite infestation can be verified by placing a white piece of paper beneath the foliage and slapping the leaves with your hand. Mites can be detected on the white paper as moving, tiny red or brown specks. Two spider mites that commonly attack azaleas are the southern red mite and the twospotted mite.

The azalea leafminer injures azalea leaves in different ways during its life cycle. The young larva "mines" inside the leaves, creating small brown areas. It then migrates to the upper leaf surface, rolls the leaf over itself, and chevs holes in it. It will sometimes knit together and feed on new leaves, causing an unsightly plant. When mature, the larva often rolls up in an undamaged leaf and pupates.

Azaleas at a Glance



Figure 5. Azalea leaf and flower gal Credits: Norma Samuel, UF/IFAS

The disease, mushroom root rot, is usually fatal to azaleas, especially those planted in sites with tree stumps or buried organic debris. The causal fungus is visible as a white mycelium under the bark of major roots or the plant crown

Slow decline in plant vigor with general stunting may be due to nematode injury of the root system. Root examination will reveal galls or swellings, necrosis of fine roots, and/or general stubbiness of small roots, depending on the nematode involved. Unfortunately, at this time there are no chemical controls for nematodes on established plants.

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Additional Resources

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Azaleas at a Glance

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The azalea caterpillar (Figure 4) occurs in north and central Florida and can strip leaves from large portions of a plant. When mature, the caterpillar has a red head and a black body covered with rows of yellow spots and (nonstinging) white hairs. Newly hatched caterpillars feed together on new growth, and entire populations can be controlled at that stage by simply picking off infested leaves. Mature caterpillars are best managed by handpicking and destroying them.



Figure 4. Azalea caterpill Credits: UE/IFAS

More information about these pests can be found on the Featured Creatures website (https://entnemdept.ufl.edu/ creatures/) or by consulting your local UF/IFAS Extension office (https://sfyl.ifas.ufl.edu/find-your-local-office/).

Diseases

The most common diseases reported on azaleas include petal blight, leaf and flower gall, and various azalea declines. Petal blight is most severe during cool, wet spring weather. Infection first appears as small, white spots on colored petals or rust-colored spots on white-flowered varieties. Spots enlarge rapidly into irregular blotches, causing the blossoms to "melt" into a slimy mass. Affected blossoms dry and either drop or remain on the plant. The fungus survives on dried blossoms on or in the soil. Removing mulch and dead flowers 3–4 weeks before bloom reduces disease incidence.

Leaf and flower galls (Figure 5) are more alarming than damaging. The fleshy galls may occur on leaves, stems, or flowers and are most severe on densely shaded plantings with poor air circulation. To prevent a reoccurrence the following year, galls should be handpicked and destroyed when they first appear. Fungicide treatments are not generally warranted in home landscapes.

4

ENH37

SECTION 4: SITE DESIGN - SOIL + VEGETATION

IFAS Extension

ENH-501

Lagerstroemia indica: Crapemyrtle¹

Edward F. Gilman, Dennis G. Watson, Ryan W. Klein, Andrew K. Koeser, Deborah R. Hilbert, and Drew C. McLean²

Introduction

A long period of striking summer flower color, attractive fall foliage, and good drought-tolerance all combine to make crapemyrtle a favorite small tree for either formal or informal landscapes. It is highly recommended for planting in urban and suburban areas

General Information

Scientific name: Lagerstroemia indica Pronunciation: lay-ger-STREE-mee-uh IN-dih-kuh Common name(s): crapemyrtle Family: Lythraceae

USDA hardiness zones: 7A through 9A (Figure 2) Origin: native to Asia and Northern Australia UF/IFAS Invasive Assessment Status: not considered a Uses: street without sidewalk; specimen; deck or patio; container or planter; trained as a standard; parking lot island < 100 sq ft; parking lot island 100-200 sq ft; parking lot island > 200 sq ft; tree lawn 3-4 feet wide; tree lawn 4-6 feet wide; tree lawn > 6 ft wide; urban tolerant; highway median; shade



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Figure 5. Fruit - Lag Credits: UE/IEAS nia indica: crapemyrtl

Trunk and Branches

Trunk/branches: branches droop; showy; typically multitrunked; no thorns Bark: Smooth, tan orange, and flakes off in patches to reveal shades of brown, green, and reddish brown Pruning requirement: little required Breakage: resistant Current year twig color: brown, green Current year twig thickness: thin Wood specific gravity: unknown

Culture

Light requirement: full sun Soil tolerances: clay; sand; loam; alkaline; acidic; well-drained Drought tolerance: high Aerosol salt tolerance: moderate

Lagerstroemia indica: Crapemyrtle





Figure 7. Bark Variation 2 - Lag Credits: Gitta Hasing, UF/IFAS



Description

Height: 10 to 30 feet Spread: 15 to 25 feet Crown uniformity: symmetrical Crown shape: vase Crown density: moderate Growth rate: moderate Texture: medium

Foliage

Leaf arrangement: opposite/subopposite Leaf type: simple Leaf margin: entire Leaf shape: elliptic (oval), obovate, oblong Leaf venation: pinnate Leaf type and persistence: deciduous Leaf blade length: 1 to 3 inches Leaf color: dark green on top, pale green underneath Fall color: yellow, orange, red Fall characteristic: showy



Figure 3. Leaf - L Credits: UF/IFAS

Lagerstroemia indica: Crapemyrtle

Other

Roots: not a problem Winter interest: yes Outstanding tree: no Ozone sensitivity: unknown Verticillium wilt susceptibility: resistant Pest resistance: resistant to pests/diseases

Use and Management

Available in all shades of white, pink, red, or lavender, the 6- to 12-inch-long clustered blooms appear on the tips of branches during late spring and summer in USDA hardiness zones 9 and 10, and summer in other areas. The individual flowers are ruffled and crinkly as to appear made of crepe paper. The smooth, peeling bark and multi-branched, open habit of crape myrtle make it ideal for specimen planting where its bright red to orange-colored fall leaves add further interest. Most forms of the tree are upright, upright-spreading, or vase-shaped, spreading out a shey ascend. Most tree types grow to 20 to 25 feet tall although there are more dwarf types available. The upright, vase-shaped crown makes the tall-growing selections well-suited for street tree planting.

Pruning should be done in late winter or early in the spring before growth begins because it is easier to see which branches to prune. New growth can be pinched during the growing season to increase branchiness and flower number. Pruning methods vary from topping to cutting crape myrtle nearly to the ground each spring to the removal of dead wood and old flower stalks only. Topping creates several long, thin branches from each cut which droop down under the weight of the flowers. This practice disfigures the nice trunk and branch structure. Lower branches are often thinned to show off the trunk form and color. You can remove the spent flower heads to encourage a second flush of flowers and to prevent formation of the brown fruits. Since cultivars are now available in a wide range of growth heights, severe pruning should not be necessary to control size. Severe pruning or topping can stimulate basal sprouting which can become a constant nuisance, requiring regular removal. Some trees sprout from the base of the trunk and roots even without severe heading. This can be a maintenance nuisance.

Crape myrtle grows best in full sun with rich, moist soil but will tolerate less hospitable positions in the landscape just as well, once it becomes established. It grows well in limited soil spaces in urban areas such as along boulevards, in parking lots, and in small pavement cutouts if provided with some irrigation until well established. They tolerate

Lagerstroemia indica: Crapemyrtle

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Flower

Flower color: white/cream/gray, pink, purple, lavender, red Flower characteristics: very showy; emerges in clusters on panicles

Flowering: late spring to summer



Figure 4. Flower Credits: UF/IFAS

Fruit Fruit shape: oval, round

Fruit length: ¼ to ½ inch Fruit covering: dry or hard Fruit color: brown Fruit characteristics: does not attract wildlife; showy; fruit/ leaves not a litter problem Fruiting: persists through winter

clay and alkaline soil well. However, the flowers of some selections may stain car paint. Insect pests are few but crape myrtle is susceptible to powdery mildew damage, especially when planted in some shade or when the leaves are kept moist. There are new cultivars (many developed by the USDA) available which are resistant to powdery mildew and aphids.

Many cultivars of crape myrtle are available: hybrid 'Acoma', 14 to 16 feet tall, white flowers, purple-red fall foliage, mildew resistant; hybrid 'Biloxi', 25 feet tall, pale pink blooms, orange-red fall foliage, hardy and mildew resistant; 'Cherokee', 10 to 12 feet, bright red flowers; 'Powhatan', 14 to 20 feet, clear yellow fall foliage, medium purple flowers. The hybrid cultivars 'Natchez', 30 feet tall, pure white flowers, resistant to aphids, one of the best crape myrtles; 'Musk-ogee', 24 feet tall, light lavender flowers, and 'Tuscarora', 16 feet tall, dark coral pink blooms, are hybrids between Lagerstroemia indica and Lagerstroemia fauriei and have greater resistance to mildew. The cultivar 'Crape-Myrtlettes' have the same color range as the species but only grow to have the same color range as the species but only grow to three to four feet high. The National Arboretum releases are generally superior because they have been selected for their disease resistance. These releases may prove more resistant to powdery mildew in the deep south, although further testing needs to be done to confirm this.

Propagation is by cuttings or seed.

Pests

Aphids often infest the new growth causing an unsightly but harmless sooty mold to grow on the foliage. Heavy aphid infestations cause a heavy black sooty mold which detracts from the tree's appearance.

Diseases

Powdery mildew can severely affect crape myrtle. Select re-sistant cultivars and hybrids to avoid this disease. Leaf spots are only a minor concern and do not require treatment

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SECTION 4: SITE DESIGN - SOIL + VEGETATION

UF IFAS Extension

FPS-348

Liriope muscari 'Evergreen Giant' Evergreen Giant Lilvturf¹

Edward F. Gilman²

Introduction

This large, clumping grasslike perennial makes an attractive, dark green groundcover and is accented with spikes of lilac purple blooms during summer months (Fig. 1). Though not actually spreading by underground stems, an individual plant after several years can reach 24 inches in width by suckering at the base and will quickly cover an open area. Plant on 18-inch centers for the best groundcover effect. Evergreen giant liriope can also be used as an edging along walks and other areas. Plant liriope to create a fine-textured, gentle ground cover which will sustain itself for many years. Large areas planted in liriope lend a soothing effect to any landscape.



Figure 1. 'Evergreen Giant' liriop

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UF IFAS Extension

General Information

Scientific name: Liriope muscari 'Evergreen Giant' Pronunciation: luh-RYE-oh-pee mus-KAR-ree Common name(s): 'Evergreen Giant' lilyturf, 'Evergreen Giant' liriope Family: Liliaceae

Plant type: perennial; herbaceous; ornamental grass USDA hardiness zones: 6 through 10 (Fig. 2) Planting month for zone 7: year round Planting month for zone 9: year round Planting month for zone 9: year round Planting month for zone 10: year round Origin: not native to North America Uses: mass planting; edging; naturalizing; small parking lot islands (< 100 square feet in size); medium-sized parking lot islands (100-200 square feet in size); large parking lot islands (> 200 square feet in size) Availability: generally available in many areas within its hardiness range

Description

Height: 1 to 2 feet Spread: 1 to 2 feet Plant habit: upright Plant density: moderate Growth rate: moderate Texture: fine

Roots: not applicable Leaf arrangement: most emerge from the soil, usually Leaf type: simple Leaf margin: entire plant Leaf venation: parallel Leaf type and persistence: evergreen Leaf type and persistence every e Leaf blade length: 12 to 18 inches Leaf color: green Fall color: no fall color change Fall characteristic: not show

al planting range

Flower Flower color: lilac; purple

Flower characteristic: summer flowering

Fruit Fruit shape: round Fruit length: less than .5 inch Fruit cover: fleshy

Fruit color: black Fruit characteristic: showy

Figure 2. Shaded area represents po

Foliage

without a sterr

Leaf shape: linear

Trunk and Branches

Trunk/bark/branches: not applicable Current year stem/twig color: not applicable Current year stem/twig thickness: not applicable

Culture

Light requirement: plant grows in part shade/part sun; plant grows in the shade Soil tolerances: alkaline: clay: sand: acidic: loam Drought tolerance: moderate Soil salt tolerances: unknown Plant spacing: 18 to 24 inches

Other

Winter interest: no special winter interest Outstanding plant: not particularly outstanding Invasive potential: not known to be invasive Pest resistance: no serious pests are normally seen on the

Use and Management

Evergreen giant liriope enjoys more sun than other liriopes. Growth in full shade is a bit thin but acceptable. Growth is best on rich, moist, well-drained soils but the plant will accept much less hospitable conditions in most regions. In the hottest areas of the south, however, full sun plants tend to brown at the tips and die from heat stress. Plants should be fertilized once or twice a year but require little care otherwise.

Propagation is by division of the clumps or by seed.

Problems include mites, slugs, snails, and scale.

Pests and Diseases

No diseases are of major concern

Liriope muscari 'Evergreen Giant' Evergreen Giant Lilyturf



Foliage

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Leaf arrangement: alternate Leaf type: simple Leaf margin: entire Leaf shape: elliptic (oval), linear Leaf venation: pinnate Leaf type and persistence: semi-evergreen, evergreen Leaf blade length: 2 to 5 inches Leaf color: dark green and glossy on top, paler green and may or may not have pubescence underneath Fall color: no color change Fall characteristic: not showy



Flower

Flower color: male—yellow-green catkin; female—green to reddish spike that emerges from leaf axils Flower characteristics: not showy Flowering: early spring





Fruit shape: elongated, oval

Fruit

Fruit length: ¾ inch Fruit covering: dry or hard acorn; cap is bowl-shaped, warty, scales and covers the top ¹/₃ of the shiny nut Fruit color: dark brown Fruit characteristics: attracts birds; not showy; fruit/leaves a litter problem

Trunk and Branches

rowed, and blocky with age

Trunk/branches: branches droop; showy; typically one trunk: no thorns Bark: reddish brown and furrowed when young, turning gray to almost black, and becoming rough, deeply fur-

2

Quercus virginiana: Southern Live Oak

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UF - SITES | Prerequisite Documentation | Northeast Gateway

Quercus virginiana: Southern Live Oak¹

Edward F. Gilman, Dennis G. Watson, Ryan W. Klein, Andrew K. Koeser, Deborah R. Hilbert, and Drew C. McLean

Introduction

A large, sprawling, picturesque tree, usually graced with Spanish moss and strongly reminiscent of the Old South. Southern live oak is one of the broadest spreading of the oaks, providing large areas of deep, inviting shade. It is the state tree of Georgia. Reaching 60 to 80 feet in height with a 60 to 120 foot spread and usually possessing many sinuously curved trunks and branches, Southern live oak is an impressive sight for any large-scale landscape. An amaz-ingly durable American native, it can measure its lifetime in centuries if properly located and cared for in the landscape. It makes an excellent street tree in the South. Unfortunately, oak wilt has devastated the tree in parts of central Texas. Give it plenty of room since the trunk can grow to more than six feet in diameter.

General Information

Scientific name: Quercus virginiana Pronunciation: KWERK-us ver-jin-ee-AY-nuh Common name(s): live oak, southern live oak

Family: Fagaceae USDA hardiness zones: 7B through 10B (Figure 2) Origin: native to the Atlantic and Gulf Coastal states of the southeastern United States, in addition to south central Texas, and northeastern Mexico

UF/IFAS Invasive Assessment Status: native Uses: street without sidewalk; shade; specimen; reclama-tion; parking lot island > 200 sq ft; tree lawn > 6 ft wide; urban tolerant: highway media



Description Height: 60 to 80 feet Spread: 60 to 120 feet Crown uniformity: symmetrical Crown shape: spreading, round Crown density: dense Growth rate: moderate Texture: fine

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Section 4: Site Design – Soil + Vegetation

Pruning requirement: needed for strong structure Breakage: resistant Current year twig color: gray Current year twig thickness: thin



Figure 6. Bark-7 wdits: Gitta H lasing

Culture

Light requirement: full sun to partial shade Soil tolerances: clay; sand; loam; alkaline; acidic; occasionallv wet: well-drained Drought tolerance: high Aerosol salt tolerance: high

Other

Roots: can form large surface roots Winter interest: no Outstanding tree: yes Ozone sensitivity: unknown Verticillium wilt susceptibility: resistant Pest resistance: resistant to pests/diseases

Use and Management

Quercus virginiana: Southern Live Oak

UF IFAS Extension

Once established, live oak will thrive in almost any location and has very good wind resistance. Southern live oak is a tough, enduring tree that will respond with vigorous growth to plentiful moisture on well-drained soil. Like other oaks, care must be taken to develop a strong branch structure early in the life of the tree. Be sure to eliminate multiple trunks and branches which form a narrow angle

with the trunk as these are likely to split from the tree as it grows older

Be sure that adequate soil space is given to live oak Although roots will grow under curbs and sidewalks when planted in confined soil spaces allowing the tree to thrive in urban sites, in time, they lift sidewalks, curbs, and driveways. This may be a small price to pay for the bountiful shade cast by a row of healthy trees.

One of the biggest problems with live oak in our cities is the lack of pruning. Therefore, it is not a plant-and-forget tree. Because this tree can live for such a long time, it is very important to develop proper trunk and branch structure early in the life of the tree. Following planting in the nursery, prune the tree each year for the first three years, then every five years to age 30. This program will help ensure that the tree develops into a strong, long-lived fixture in the community, and will help develop the 14 to 15 foot tall vehicle clearance needed for planting along city streets.

Best growth is made in moist, acid soil, sand, loam, or clay, but the tree is amazingly adapted to drought. It also tolerates alkaline soil well. Young trees grow three feet each year and the trunk adds about one-inch in diameter under nursery conditions. Construction-impacted trees take a long time to die, giving live oak a reputation for being a tough tree. It is usually the last tree to die around a newly constructed building.

Sand live oak, *Quercus virginiana* var. *geminata (Q. gemina-ta)*, grows on sandy soil, is more upright and open-crowned in habit, has thick revolute leaves and acorns produced in pairs. It may be more suited for street tree planting due to the smaller size. Leaves emerge about four weeks after live oak and sand live oak suckers more than live oak. The fast-growing variety 'Heritage' is recommended for desert areas, and is more common in the southwestern United States. Quercus fusiformis is native to central and southern Texas, is susceptible to oak wilt but resistant to root rot. Perhaps more adapted to Texas than Quercus virginiana but nursery operators do not normally differentiate among the live oaks

Pests

It is usually pest-free. Occasionally mites infest the foliage, but they are of little concern in the landscape.

Galls cause homeowners much concern. There are many types and galls can be on the leaves or twigs. Most galls are harmless so chemical controls are not suggested.

> 3 FPS415

Muhlenbergia capillaris Muhly Grass¹

Edward F. Gilman²

Introduction

Muhly grass has a clumping form, growing 3- to 4-feet-tall and about as wide. A stiff, upright growth habit makes this markedly different from many other grasses. Delicate purple flowers emerge in the fall well above the foliage and can literally cover the foliage. It is native to pine flatwoods, coastal upland and beach dunes, and sandhill communities This grass is very similar to Muhlenbergia filipes.

General Description

Scientific name: Muhlenbergia capillaris Pronunciation: mew-len-BER-jee-uh kap-pill-LAIR-riss Common name(s): purple muhly grass, muhly grass Family: Gramineae Plant type: herbaceous; ornamental grass

USDA hardiness zones: 7 through 11 (Fig. 1)

Planting month for zone 7: year round Planting month for zone 8: year round Planting month for zone 9: year round Planting month for zone 10 and 11: year round Origin: native to Florida Uses: reclamation plant; cut flowers; border; accent; mass planting Availability: somewhat available, may have to go out of the region to find the plant

Description

Height: 3 to 5 feet Spread: 2 to 3 feet Plant habit: upright Plant density: oper Growth rate: moderate Texture: fine



al planting range

Foliage

Figure 1. Shaded area rep

Leaf arrangement: alternate Leaf type: simple Leaf margin: entire Leaf shape: linear Leaf venation: parallel Leaf type and persistence: semi-evergreen Leaf blade length: 18 to 36 inches Leaf color: green Fall color: copper Fall characteristic: showy

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Scales of several types can usually be controlled with sprays of horticultural oil

Aphids cause distorted growth and deposits of honeydew on lower leaves. On large trees, naturally-occurring preda-tory insects will often bring the aphid population under control.

Boring insects are most likely to attack weakened or stressed trees. Newly planted young trees may also be attacked. Keep trees as healthy as possible with regular fertilization and water during dry weather.

Diseases

It is usually disease-free except for oak wilt in parts of Texas and perhaps some other isolated areas. Oak wilt is a fatal disease beginning with a slight crinkling and paling of the leaves. This is followed by leaf wilting and browning of leaf margins then working inward. The symptoms move down branches toward the center of the tree. Cut down and destroy infected trees. The disease may be spread by insects. pruning tools or transporting infected wood to uninfected praiming tools of utanaporting infected wood to unimeted areas. The disease appears to infect red, black, and live oaks particularly. Common practice in Texas where oak wilt is most prevalent is to immediately paint pruning cuts on live oak with pruning paint to help prevent the insect vector from coming to the tree. Avoid pruning in midspring to early summer in areas where oak wilt is present. Dormant or summer pruning is best.

Canker diseases attack the trunk and branches. Keep trees healthy by regular fertilization. Prune out diseased or dead branches

A large number of fungi cause leaf spots but are usually not serious. Rake up and dispose of infected leave

Powdery mildew coats leaves with fugal growth resembling white powder.

Shoestring root rot attacks the roots and once inside moves upward, killing the cambium. The leaves on infected trees are small, pale, or yellowed and fall early. There is no practi cal control. Healthy trees may be more resistant than trees of low vigor. Recently, Quercus virginiana has been found to be susceptible to Diplodia spp.

Quercus virginiana: Southern Live Oak

Flower

Flower color: pink Flower characteristic: fall flowering

Fruit

Fruit shape: oval Fruit length: less than .5 inch Fruit cover: dry or hard Fruit color: broy Fruit characteristic: inconspicuous and not showy

Trunk and Branches

Trunk/bark/branches: typically multi-trunked or clumping stems Current year stem/twig color: not applicable Current year stem/twig thickness: medium

Culture

Light requirement: plant grows in full sun Soil tolerances: extended flooding; acidic; alkaline; sand; loam; clay Drought tolerance: high Soil salt tolerances: moderate

Plant spacing: 24 to 36 inches

Other

Roots: not applicable Winter interest: plant has winter interest due to unusual form, nice persistent fruits, showy winter trunk, or winter flowers Outstanding plant: plant has outstanding ornamental features and could be planted more Invasive potential: not known to be invasive

Use and Management

Muhly grass is a tough native grass useful in many different landscape sites. It has extreme tolerance to drought and flooding, making it suited for wetland sites as well as beachfront landscapes. It would be hard to find a more adaptable grass. Muhly grass makes a nice, fine-textured mass planting for sites ranging from roadside to residential landscape. Plant them in large, sweeping drifts on a large landscape for a dramatic effect. It is virtually maintenance free except in those instances where you might want to remove the brown foliage in the spring by cutting the clump back to the ground before new growth emerges. Growth is best in sandy or rocky soil.

References

Koeser, A. K., Hasing, G., Friedman, M. H., and Irving, R. B. 2015. Trees: North & Central Florida. Gainesville: University of Florida Institute of Food and Agricultural

Koeser, A.K., Friedman, M.H., Hasing, G., Finley, H., Schelb, J. 2017. Trees: South Florida and the Key Gainesville: University of Florida Institute of Food and Agricultural Sciences

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Pest and Diseases There are no known pests or problems.

SECTION 4: SITE DESIGN - SOIL + VEGETATION

IFAS Extension

Pinus palustris: Longleaf Pine¹

Edward F. Gilman, Dennis G. Watson, Ryan W. Klein, Andrew K. Koeser, Deborah R. Hilbert, and Drew C. McLean²

Introduction

This beautiful, native North American pine tree is capable of reaching 60 to 125 feet in height with a 30 to 40-footspread but is more often seen smaller. It is usually saved on a construction site for use as a specimen in the landscape or for providing dappled shade. Be sure to protect the area beneath the dripline from heavy equipment during construction. Longleaf pine stays in its tufted, grass-like stage for five to seven years after germinating, growing very slowly while it develops a root system, then takes off at a moderate rate. The bright green, evergreen needles are up to 14 inches long and very flexible, giving an almost weep-ing effect to the tree. A distinctive characteristic of longleaf ing intert to the work of Maintener Characteristics of burget pine is the new growth clusters, or buds, which are silvery white during the winter. The inconspicuous spring flowers are followed by a large, spiny cone, 6 to 10 inches long, which persist on the tree for a couple of years.

General Information

entific name: Pinus palustri Pronunciation: PIE-nus pal-US-triss Common name(s): longleaf pine Family: Pinaceae USDA hardiness zones: 7A through 10A (Figure 2) Origin: native to the southeastern United States UF/IFAS Invasive Assessment Status: native Uses: reclamation; specimen; shade



Figure 1. Full For Credits: UF/IFAS

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Figure 5 Credits:



edits: Gitta H

Pinus palustris: Longleaf Pine

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Light requirement: full sun Soil tolerances: clay; sand; loam; acidic; slightly alkaline; well-drained Drought tolerance: high Aerosol salt tolerance: high

Other

Roots: not a problem Winter interest: no Outstanding tree: yes Ozone sensitivity: unknown Verticillium wilt susceptibility: resistant Pest resistance: resistant to pests/diseases

Use and Management

Longleaf pine is not usually planted in landscapes, but could be used due to its beautiful bark and nice, open habit. It would be suited for planting in large landscapes, such as golf courses and parks, and in other areas with plenty of overhead space. It would probably adapt to the hot conditions created near concrete and asphalt, but dropping needles often discourage people from planting pines near streets or other pavement. This may be a small price to pay for having this tree in the landscape. If people would start planting this tree, it might catch on as slash pine has in parts of the South.

Longleaf pine should be grown in full sun or partial shade on well-drained, acidic soil. Once established, trees are very drought-tolerant and require no irrigation for survival.

Propagation is by seed. Seedling trees in the wild usually transplant poorly due to a long tap root.

Pests

Some of its pests are borers, sawflies, pine-shoot moth, and pine weevils. Pine bark beetles will occasionally attack old trees which are stressed

Diseases

No diseases are of major concern. This plant is resistant to fusiform rust.

Reference



Description

ENH-628

Height: 60 to 125 feet Spread: 30 to 40 feet Crown uniformity: irregular Crown shape: oval Crown density: oper Growth rate: fast Texture: fine

Foliage

Leaf arrangement: spiral; typically in groups of 3 per fascicle but occasionally in groups of 2 Leaf type: simple





dits: UF/IFAS

Pinus palustris: Longleaf Pine

Leaf shape: needle-like (filiform) Leaf venation: parallel Leaf type and persistence: needled evergreen, evergreen, fragrant Leaf blade length: 8 to 14 inches Leaf color: bright green Fall color: no color change Fall characteristic: not showy

Flower

Flower color: yellow

Flower characteristics: not showy



Figure 4. Cone, 1 Credits: UF/IFAS

Fruit

Fruit shape: elongated, cone 9 Fruit length: 6 to 12 inches Fruit covering: dry or hard Fruit color: brown Fruit characteristics: attracts squirrels/mammals; showy; fruit/leaves a litter problem; sits sessile

Trunk and Branches

Trunk/branches: branches droop; showy; typically one trunk; no thorns Bark: orange, brown, gray, scaly, and develops flat plates Pruning requirement: little required Breakage: susceptible to breakage Current year twig color: brown Current year twig thickness: very thick Wood specific gravity: 0.59

2



Koeser, A. K., Hasing, G., Friedman, M. H., and Irving, R. B. 2015. Trees: North & Central Florida. University of Florida Institute of Food and Agricultural Sciences.

SECTION 4: SITE DESIGN – SOIL + VEGETATION

UF IFAS Extension

ENH654

Podocarpus macrophyllus: Podocarpus¹

Edward F. Gilman, Dennis G. Watson, Ryan W. Klein, Andrew K. Koeser, Deborah R. Hilbert, and Drew C. McLean²

Introduction

With densely foliated lower limbs which reach the ground and neat, dark green, evergreen leaves, yew podocarpus is very popular as a dense screen or hedge. However, yew podocarpus can reach 30 to 40 feet in height when not sheared and is quite attractive as a tree with the lower branches removed, revealing the light brown, peeling back. If space permits, leave the lower limbs on the tree for an almost spruce-like appearance. The tree grows in an open manner with large spaces between the branches creating a pleasing, irregular oval silhouette in middle and old age. The inconspicuous flowers are followed by fleshy, purple, small, edible fruits (though the similarly looking seeds are



Figure 1. Full Form - Podocarpus macrophyllus: Yew podocarpus Credits: UE/IEAS toxic, therefore it is best to avoid ingesting any part of this tree that resembles fruit) on female trees which are quite attractive to birds but not really messy on sidewalks or pavement.



Credits: UF/IFAS

General Information

Scientific name: Podocarpus macrophyllus Pronunciation: poe-doe-KAR-pus mack-roe-FILL-us Common name(s): Yew podocarpus, yew-pine, Japanese yew

Family: Podocarpaceae USDA hardiness zones: 8B through 11 (Figure 3) Origin: native to southern China and Japan

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Fruit

Fruit shape: irregular, round, oval Fruit length: ½ inch Fruit covering: fleshy, drupe-like aril Fruit color: reddish purple or blue Fruit characteristics: attracts birds; not showy; fruit/leaves not a litter problem



Credits: UE/IEAS

Trunk and Branches

Podocarpus macrophyllus: Podocarpus

Trunk/branches: branches don't droop; not showy; typically one trunk; no thorns Bark: reddins brown, shredding, and turns gray with age Pruning requirement: little required Breakage: resistant Current year twig color: green Current year twig thickness: medium, thick Wood specific gravity: unknown



Figure 7. Bark - Podocarpus macrophyllus: Yew po Credits: Gitta Hasing, UF/IFAS

Culture

Light requirement: full sun to partial shade Soil tolerances: clay; sand; loam; alkaline; acidic; well-drained Drought tolerance: high Aerosol salt tolerance: high

Other

Roots: not a problem Winter interest: no Outstanding tree: yes Ozone sensitivity: unknown Verticillium wilt susceptibility: unknown Pest resistance: resistant to pests/diseases UF/IFAS Invasive Assessment Status: not considered a problem species at this time, may be recommended (North, Central, South)

Uses: highway median; screen; street without sidewalk; specimen; shade; hedge; reclamation; espalier; deck or patio; parking lot island < 100 sq ft; parking lot island 100-200 sq ft; parking lot island > 200 sq ft; sidewalk cutout (tree pit); tree lawn 3-4 feet wide; tree lawn 4-6 feet wide; tree lawn > 6 ft wide; urban tolerant; trained as a standard; indoors



_ . .

Description Height: 30 to 40 feet

Spread: 20 to 25 feet Crown uniformity: irregular Crown shape: round Crown density: moderate Growth rate: slow Texture: fine

Foliage

Leaf arrangement: whorled Leaf type: simple Leaf margin: entire Leaf shape: linear Leaf vape and persistence: evergreen Leaf blade length: 1 to 5 inches Fall characteristic: not showy

Flower Flower color: yellow

Flower characteristics: not showy

Podocarpus macrophyllus: Podocarpus

Use and Management

This is one of a few trees which can be pruned into a nice hedge. The dark green foliage and dense growth creates a formal mass. It looks better when pruned with a hand pruner, not sheared with a hedge trimmer.

Showing best growth and form in full sun, yew podocarpus will grow more slowly and have a looser appearance when grown in shade. It will grow on the north side of a tall building with little or no direct sun. It will tolerate a wide variety of well-drained, acidic soils. Don't plant on wet soils. This is a tough tree, adaptable to urban conditions and should be used much more extensively as a street tree. It should be used much more extensively as a street tree. It should be used much, most people choose to trim the tree into a column or hedge, so not many have seen the true beauty of the tree. It will make an attractive specimen, street or parking lot tree, even for the smallest soil space in a downtown planting pit. Roots are not a problem in restricted-soil planting areas and usually do not lift sidewalks.

Many varieties are available for selection of habit, leaf form, color, etc. *Podocarpus macrophyllus* var. *angustifolius* is a narrow, colummar tree with curved leaves, 2 to 4.5 inches long; *Podocarpus macrophyllus* var. *appressus* is a low shrub with short leaves; *Podocarpus macrophyllus* var. *maki* has erect branches, columnar form, 1.5 to 3-inch-long leaves.

Propagation is by seeds or cuttings. Hardwood cuttings root easily. Cutting propagation would ensure more uniform trees than seedlings. Nursery operators should be encouraged to grow Yew Podocarpus in the single-trunked tree form for planting in urban landscapes.

Pests and Diseases

No pests or diseases are of major concern. Occasionally bothered by scale, mites, and sooty mold but not seriously. Some magnesium-deficiency on sandy soil, which is easily corrected with magnesium sulfate.

Additional References

Koeser, A. K., Hasing, G., Friedman, M. H., and Irving, R. B. 2015. Trees: North & Central Florida. University of Florida Institute of Food and Agricultural Sciences.

Koeser, A.K., Friedman, M.H., Hasing, G., Finley, H., Schelb, J. 2017. Trees: South Florida and the Keys. University of Florida Institute of Food and Agricultural Sciences.



Figure 4. Leaf - Podocarpus macrophyllus: Yew podocarpus Credits: UF/IFAS



Figure 5. Flower - Podocarpus macrophyllus: Yew podocarpu Credits: UF/IFAS

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SECTION 4: SITE DESIGN - SOIL + VEGETATION

IFAS Extension

ENH253

Betula nigra: River Birch¹

Edward F. Gilman, Dennis G. Watson, Ryan W. Klein, Andrew K. Koeser, Deborah R. Hilbert, and Drew C. McLean²

Introduction

River birch can grow 50 to 90 feet tall but is often seen 40 to 50 feet. It normally grows with a central leader and small-diameter, dark-colored lateral branches. It has a narrow, oval to pyramidal crown when young, spreading wider with age as several branches become dominant. It lacks the white trunk bark associated with other birches but is distinguished by reddish-brown bark peeling off in film-like papery curls providing interest all year round. River birch can be easily trained with one central leader or as a multi-stemmed tree. Some nurseries plant two or three trees together to form a clump, but these trunks will not fuse into one strong trunk. Should be grown more as a single-trunked specimen. Branches droop particularly when they are wet, so regular pruning in the early years will be required to remove lower branches when they are located close to areas where clearance is needed for vehicular traffic.

General Information

Scientific name: Betula nigra Pronunciation: BET-yoo-luh NYE-gruh Common name(s): river birch Family: Betulaceae USDA hardiness zones: 4A through 9A (Figure 2)



Figure 1. Full Form - Betula nig. Credits: Gitta Hasing, UF/IFAS

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Pruning requirement: little required Breakage: resistant Current year twig color: reddish, brown Current year twig thickness: thin Wood specific gravity: unknown



Figure 5. Bark - Betula nigra: river birch Credits: Gary Kling, UF/IFAS

Culture

Light requirement: full sun to partial shade Soil tolerances: clay; sand; loam; acidic; wet to well-drained Drought tolerance: moderate Aerosol salt tolerance: low

Other

Roots: not a problem Winter interest: ves Outstanding tree: yes Ozone sensitivity: tolerant Verticillium wilt susceptibility: resistant Pest resistance: resistant to pests/diseases

Use and Management

It is very well suited for planting along steam banks where it is native and in other areas that are inundated for weeks. River birch tolerates low soil oxygen, flooding, and clay soil, but needs moist conditions. The tree requires an acid soil. otherwise it becomes chlorotic. River birch is hardy, grows rapidly, but tends to be short-lived (30 to 40 years) in many urban settings, possibly due to inadequate water supply. Situate the tree so it receives adequate water. Large trees are prone to trunk decay. Not a tree to plant and forget due to irrigation requirement.

The tree is not as susceptible to bronze birch borer as are other birches. It is not particularly adapted to heat but can make a nice tree in USDA hardiness zone 8b, possibly 9a, if provided with irrigation and plenty of soil space. Not for confined street tree pits or tree lawns in the South. The yellow fall color display is of short duration.

The cultivar 'Heritage' grows 50 feet tall, has an oval shape and scaly bark that is beige in color, and is the closest to a paper white birch that will survive in hot areas; it grows from Minnesota to Florida. It is also tolerant of poor drainage. It is reportedly resistant to bronze birch borer and unlike most birches it is resistant to leaf spot. It is more vigorous than the species.

Pests

No pests are of major concern. Resistant to bronze birch borer.

Diseases

Leaf spots; chlorosis on soils with a high pH.

Reference

Koeser, A. K., Hasing, G., Friedman, M. H., and Irving, R. B. 2015. Trees: North & Central Florida. University Florida Institute of Food and Agricultural Sciences.

3

Origin: native to the southeastern United States, including adjacent northern states, and the northern range of the ssippi River UF/IFAS Invasive Assessment Status: native

Uses: hedge; street without sidewalk; screen; shade; specimen; deck or patio



Description

Height: 40 to 50 feet Spread: 25 to 35 feet Crown uniformity: symmetrical Crown shape: upright/erect, pyramidal, oval Crown density: dense Growth rate: fast Texture: medium

Foliage

Leaf arrangement: alternate (Figure 3) Leaf type: simple Leaf margin: double serrate



. Leaf - *Betula nigra*: river birch Gitta Hasing, UF/IFAS

etula nigra: River birch

UF IFAS Extension

Ulmus alata: Winged Elm¹

Edward F. Gilman, Dennis G. Watson, Ryan W. Klein, Andrew K. Koeser, Deborah R. Hilbert, and Drew C. McLean²

Introduction

Usually seen at 45 to 70 feet high, winged elm can reach 90 feet in height in the woods with a 30 to 40-foot spread. Canopy form is variable from pyramidal to vase or rounded. A North American native, this fast-growing deciduous tree is quickly identified by the corky, wing-like projections which appear on opposite sides of twigs and branches. Branches rise through the crown, then bend in a sweeping manner toward the ground. The size of the wings varies greatly from one tree to another. Because it is found ig in wet sites as well as dry, rocky ridges it is a very adaptable tree for urban planting.

General Information

Scientific name: Ulmus alata Pronunciation: UL-mus uh-LAY-tuh Common name(s): winged elm Family: Ulmaceae USDA hardiness zones: 6A through 9B (Figure 2) Origin: native to the southern two-thirds of the eastern half of the United States

UF/IFAS Invasive Assessment Status: Native Uses: street without sidewalk; shade; specimen; parking lot island < 100 sq ft; parking lot island 100-200 sq ft; parking lot island > 200 sq ft; sidewalk cutout (tree pit); tree lawn 3-4 feet wide; tree lawn 4-6 feet wide; tree lawn > 6 ft wide; urban tolerant; highway median; reclamation



Leaf shape: rhomboid, ovate

Leaf blade length: 1 to 4 inches

Fall characteristic: not showy

Leaf color: dark green on top, paler green underneath Fall color: yellow

Fruit covering: dry or hard; cone-like catkin with many

Fruit color: reddish-brown Fruit characteristics: does not attract wildlife; not showy;

Leaf venation: pinnate Leaf type and persistence: deciduous

Fruit shape: elongated

winged nutlets

Fruit length: 1 to 1 1/2 inches

fruit/leaves not a litter problem

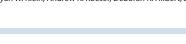
Fruiting: matures in the fall

Flower Flower color: brown Flower characteristics: not showy Flowering: mid spring

Fruit

Trunk/branches: branches droop; very showy; typically multi-trunked; no thorns Bark: reddish brown to creamy yellow and smooth, becom ing papery and flaking or peeling off in large, curling plates with age

> 2 ENH-805





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Betula nigra: River birch

SECTION 4: SITE DESIGN - SOIL + VEGETATION



Description

Height: 45 to 70 feet Spread: 30 to 40 feet Crown uniformity: irregular Crown shape: pyramidal, vase, oval, upright/erect Crown density: moderate Growth rate: fast Texture: fine

Foliage

Leaf arrangement: alternate Leaf type: simple Leaf margin: double serrate, serrate Leaf shape: elliptic (oval), ovate Leaf venation: pinnate Leaf type and persistence: deciduous Leaf blade length: 2 to 4 inches Leaf color: dark green on top, paler green underneath with pubescence in the leaf axils Fall color: yellow Fall characteristic: showy

Flower

Flower color: reddish Flower characteristics: not showy; bell-shaped; emerges in clusters at leaf axils Flowering: early spring

Fruit

Fruit shape: flat, elliptic samara Fruit length: % to ½ inch Fruit covering: dry or hard; pubescence around the nargins Fruit color: brown Fruit characteristics: does not attract wildlife; not showy; fruit/leaves not a litter problem Fruiting: shortly after flowering

Ulmus alata: Winged Elm

UF IFAS Extension





Trunk and Branches

Trunk/branches: branches don't droop; not showy; typially one trunk; no thorns

Bark: red brown to ashy gray, shallowly fissured, with flat topped ridges, and corky, wing-like appendages on opposite sides of twigs and branches, although the latter feature may be lacking on older species Pruning requirement: needed for strong structure Breakage: resistant Current year twig color: gray, brown Current year twig thickness: thin

Wood specific gravity: unknown



Zoysiagrass for Florida Lawns¹

J. Bryan Unruh, Marco Schiavon, Alex J. Lindsey, Kevin E. Kenworthy, and L. E. Trenholm²

Zoysiagrasses (Zoysia spp.) were introduced into the United States from Asia and provide attractive turf throughout much of the United States. In recent years, newer cultivars of zoysiagrass have entered the market with improved insect resistance, accelerated establishment, and better overall performance. Zoysiagrasses are adapted to a variety of soil types and have good tolerance to shade, salt, and traffic. When properly managed, they produce a very dense ground cover that resists weed invasion, but certain pests can be problematic. Zoysiagrasses spread through rhizomes

Proper lawn maintenance practices are the best means for avoiding pest problems and maintaining a healthy lawn. Zoysiagrass requires proper fertility to maintain good cover and healthy growth characteristics. During certain times of the year, it may need supplemental irrigation, especially during periods of extended drought, to remain green. Pesticides may be needed periodically, but their use can be minimized if other cultural practices (mowing, irrigation, fertilization) are done correctly

Zoysiagrass maintenance is different from that of other Florida lawn grasses. When improper maintenance prac-tices are followed, undesirable results generally occur. Table 1 provides a quick comparison of zoysiagrass to other lawn grasses.

Species and Cultivars

Several species and varieties of zoysiagrass are used for residential and commercial landscapes, athletic fields, and golf course greens, tees, fairways, and roughs. They vary widely in leaf color, texture, and establishment rate (Patton et al. 2017).

Species ZOYSIA JAPONICA STEUD.

This species was introduced into the United States in 1894 and is commonly called Japanese lawngrass or Korean lawngrass. Cultivars of this species are generally coarse-textured. Of all the zoysiagrasses, this species has a faster growth rate and exhibits excellent cold tolerance. It is easily mown using a rotary mower. *Zoysia japonica* is the only zoysiagrass for which seed is commercially available; however, the seeded varieties generally do not produce as high-quality turf as do the vegetatively propagated (sodded or plugged) varieties. Seeded cultivars should be limited to use where convenience of establishment by seed is more important than quality.

ZOYSIA MATRELLA (L.) MERR.

Also called Manilagrass, this species was introduced into the United States in 1892 from Japan. It produces a finer and denser turf than Zoysia japonica but is generally less winter hardy and slower growing. Manilagrass resembles

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Culture Light requirement: full sun to partial shade Soil tolerances: clay; sand; loam; alkaline; acidic; wet to well-drained Drought tolerance: high Aerosol salt tolerance: moderate

Other

Figure 6. Barl

. edits: Gitta Hasing

Roots: not a problem Winter interest: yes Outstanding tree: no Ozone sensitivity: tolerant Verticillium wilt susceptibility: susceptible Pest resistance: resistant to pests/diseases

Ulmus alata: Winged Elm

well adapted to Florida. All three have good shade tolerance and are good choices to replace bermudagrasses on golf courses where shade is a concern. They perform well at mowing heights ranging from 0.5" to 2.0". Disease issues include dollar spot and large patch.

Thrive

'Thrive' is a new fine-textured Z. matrella with limited availability in Florida. Its appearance resembles Geo, Zeon, and Zorro. Other than anecdotal evidence of good drought tolerance, very little information is available about its origins and suitability for use in Florida.

HYBRID CULTIVARS

CitraZoy™ zoysiagrass was developed and released by the 'CitraZoy™ University of Florida in 2019. It is a hybrid between a well adapted Z. matrella and Z. japonica with a medium-fine leaf texture between Meyer and the Z. matrella cultivars. It has slightly better shade tolerance than the Z. japonica cultivars and is less shade tolerant than the Z. matrella cultivars. It has good establishment, good sod strength, good wear tolerance, and the best winter color retention of any zoysia-grass on the market. Large patch has never been observed to occur on CitraZoy; however, it will get leaf spot. It is expanding in production with a few Florida producers at the time of publication.

Emerald

'Emerald' zoysiagrass is a selected hybrid between Zoysia *japonica* and *Zoysia pacifica* developed in Tifton, Georgia, and released in 1955. This hybrid combines the winter hardiness, color, and faster growth rate of one its *Z. japonica* parent with the fine texture and density of its *Z. pacifica* parent. Emerald resembles Manilagrass (particularly Geo, Zeon, Zorro, and Thrive) in color, texture, density, and disease issues, but has better winter hardiness and wider adaptation.

lcon™

'Icon^{TM'} zoysiagrass was developed in Australia and is a hybrid between *Z. macrantha* and *Z. japonica*. It is coarse textured and similar in appearance and uses to Empire, El Toro, Palisades, and JaMur. It has excellent sod strength, very high salt tolerance, and produces very little thatch in comparison to other zoysiagrasses. It has good availability in Florida, and large patch has not been observed in Icon.

Innovation™

'Innovation^{TM'} zoysiagrass was jointly developed and released in 2017 by Texas A&M University and Kansas

Zoysiagrass for Florida Lawns

Use and Management

Winged elm will easily adapt to full sun or partial shade, growing relatively quickly on any soil. It is an extremely sturdy and adaptable tree and is well-suited as a shade or street tree. It grows very well in urban areas and is suited to parking lot islands and other confined soil spaces. It must be pruned regularly at an early age to eliminate double and multiple trunks. Select branches which form a wide angle with the trunk, eliminating those with narrow crotches. Strive to produce a central trunk with major lateral limbs spaced along the trunk. This trunk will not be straight (unless it is staked) but this is fine. Purchase trees with good form in the nursery and be selective since form varies greatly from one tree to the next.

It is not an easy tree to train and prune, requiring perhaps three or four pruning's in the first several years after seed germination. Trees look very open and lanky following proper pruning and this may be one reason the tree has not been very popular with nursery operators, architects, and urban foresters. But after this initial training period, trees fill in nicely to make a well-adapted, beautiful shade tree

Propagation is by seed which, when sown immediately after harvest, germinate quickly and easily.

Pests and Diseases

The biggest problem is Dutch elm disease which can kill trees. To protect the community from widespread tree loss, do not plant a large number of these trees. Some trees are susceptible to powdery mildew, causing varying degrees of leaf color changes in fall, right before leaves drop. Mites can yellow the foliage but usually cause no permanent damage. Scale insects can infest winged elm along branches. Scale tions are often missed due to the thick, corky bark infesta along the twigs.

Reference

Koeser, A. K., Hasing, G., Friedman, M. H., and Irving, R. B. 2015. Trees: North & Central Florida. Gainesville: University of Florida Institute of Food and Agricultural

State University. It is a hybrid between a Z. matrella and a cold-tolerant Z. japonica. Innovation is proven to have excellence winter hardiness with a finer leaf texture compared to Meyer. Its leaf texture is between Meyer and the *Z. matrella* cultivars. Currently, very little is known about its performance in Florida or disease responses, and it has limited availability.

Establishment of Zoysiagrass

With one exception, zovsiagrasses must be planted vegetatively by sod, plugs, or sprigs. Zoysia japonica is the only species for which seed is commercially available. Proper site preparation before planting is critical to ensure suc-cessful establishment. Refer to ENH02, *Preparing to Plant a Florida Lawn* (https://edis.ifas.ufl.edu/lh012), for complete information

Seeding

Establishing zoysiagrass from seed is increasing in popular-ity. The seed, however, requires light for germination and cannot be covered with soil, as is normally recommended. Consequently, areas to be established by seed need to be covered with some type of erosion cloth to reduce any surface disruption caused by rain or irrigation. The best surrace assruption caused by rank or irrigation. Ine best time to seed is during the period from April to July, because this permits a full growing season before winter weather. In north Florida, fall seeding is undesirable because the young seedlings may not become sufficiently established to withstand cold injury during the winter. It may take up to 2-3 weeks to germinate and an additional 6-8 weeks to establish. During this time, irrigation management is extremely important. After seeding, frequent, light irriga-tions are necessary to keep the soil moist and encourage germination. Maintain this moisture regime until the planted area is completely covered.

Plugging

Because of the slow establishment rate of zoysiagrass (compared to St. Augustinegrass), plugs are usually planted on 8- to 12-inch centers. This means that plugs are planted every 8–12 inches in a row and rows are spaced 8–12 inches apart. Depending on the level of maintenance given, at least one full season (and longer for some varieties) is required for complete coverage and a uniform height. Plugs should be tamped firmly into the soil and watered in. During grow-in, the soil should be kept moist until the grass is well rooted. Weeds will dominate the bare areas between the plugs, and they should be scouted on a regular basis and eds removed before they have a chance to gain hold.



SECTION 4: SITE DESIGN – SOIL + VEGETATION

Sprigging

Planting zoysiagrasses by sprigs is a laborious but effective method of establishment. Fresh sprigs with at least 2 or 4 nodes should be planted in rows that are 6 inches apart. Plant the sprigs end-to-end or no more than 6 inches apart in the row and cover them with soil about 1–2 inches deep, leaving part of each sprig exposed to light. A roller can be used to press sprigs into the soil. Soil must be kept moist until plants initiate new growth and the area is completely covered.

Sodding

Sodding produces an instant turf as the entire area to be planted with grass material is covered. Sodding can also reduce potential weed competition that can occur when using other planting methods that leave bare ground. However, it is important to remember that the grass is still vulnerable at this stage, and it is not yet safe for play, traffic, or other activities. It is quite dependent until the roots have developed and extended down into the soil. Sod should only be laid over bare, moist soil, with pieces laid in a staggered brick-like pattern and the edges fitted tightly together to avoid any open cracks (Figure 1). Rolling and watering thoroughly ensures good contact with the soil for fast rooting. Sodded areas should be watered at least twice per day with ½ inch of water until the sod is held fast to the soil by new roots (usually 2–3 weeks), after which watering should be reduced to an as-needed basis.



Figure 1. Sodding produces an instant law

Maintenance of Zoysiagrass Nutrient Management

Proper turfgrass nutrition is very important for sustaining a healthy lawn. Nutrients needed by plants come from many sources, including soil organic matter, trace amounts in rainfall, and fertilizers. Fertilization and other cultural practices influence the overall health and quality of the lawn

Zoysiagrass for Florida Lawns

To determine application rates of a sprinkler system, place several straight-sided cans (e.g., tuna fish or cat food) throughout each irrigation zone. Run each zone to determine how long it takes to fill the cans to the ¼- or 1-inch level, then record the time. Each zone will likely take different amounts of time to give the same quantity of water. The recorded run times for each zone should then be programmed into the irrigation clock for automated systems. If the variation in the catch cans is great, a more thorough audit of the irrigation system is needed. Irrigation frequency should change seasonally, with less water needed in the fall and winter. Do not adjust the amount applied per irrigation event, just the frequency.

Thatch Management

Zoysiagrasses typically develop a thick thatch layer in the years after establishment—especially when overfertilized with nitrogen. Thatch is an intermingled layer of living and dead turfgrass shoots, stems, and roots between the green vegetation and the soil. This thatch must be controlled or removed mechanically to maintain a uniform grass appearance. This is most often done using a vertical mower or power rake every year or two (Figure 2). Some have noted that scalping, during or shortly after spring green-up, helps reduce thatch buildup, but this can be injurious to the lawn. One of the most important methods of reducing thatch buildup is to keep nitrogen fertility at the recommended levels. Proper mowing heights also help prevent thatch buildup.



Figure 2. Agressive vertical mow Credits: Alex J. Lindsey, UF/IFAS and reduce its vulnerability to numerous stresses, including weeds, insects, and disease. It is very important that anyone fertilizing their lawn be familiar with and follow the Florida-Friendly Landscaping^{wa} Best Management Practices (BMPs). These practices are designed to maintain healthy lawns and reduce potential nonpoint source pollution of water resources that might result from lawn and landscape fertilization and other cultural practices. There are state and local regulations that cover lawn fertilization, so be aware of city and county guidelines and always follow the directions on the fertilizer bag. For more information on BMPs, please refer to ENH979, Homeowner Best Management Practices for the Home Lawn (https://cita.ifs.aufl.edu/ep.236).

A soil test is used to determine soil pH and what nutrients are available in the soil. The local Extension office has instructions and supplies for taking soil samples and submitting them to the UF/IFAS Extension Soil Testing Laboratory for analysis. Refer to SL281, Soil Sampling and Testing for the Home Landscape or Vegetable Garden (https://edis.ifas.ufl.edu/ss494), for more information. In particular, phosphorus levels are best determined by soil testing. Because many Florida soils are high in phosphorus, it is often not necessary to add phosphorus fertilizer to a lawn once it is established.

Florida Rule (SE-1.003) mandates that the fertilizer application rates cannot exceed 1 lb of nitrogen per 1000 square feet for any application. Based on the percentage of nitrogen that is in a slowly available or slow-release form in a fertilizer, UF/IFAS recommendations call for applying ½ pound (water-soluble nitrogen source) to 1 lb (slowrelease nitrogen source) of nitrogen per 1000 square feet of turfgrass.

As a general rule, the first fertilizer application of the year should be early April in central Florida and mid-April in north Florida. In south Florida, fertilizer applications may be made throughout the year because growth is year-round. UF/IFAS guidelines for lawn grass fertilization offer a range of fertilizer rates over which a particular species may be successfully maintained in the various regions of the state. These ranges account for individual homeowner preferences for low-, medium-, or higher-input grass. Additionally, localized microclimatic effects can have a tremendous impact on turgrass growth. A range of rates allows for these environmental variations. An example of this would be a typical home lawn that is partially shaded and partially sumny. The grass growing in the shade needs less fertilizer than that growing in full sun. Fertilization is also affected by soil type, organic matter in soils, and practices such as clipping management. Recycled clippings return

Pest Management

Like other lawn grasses grown in Florida, zoysiagrass lawns encounter pest problems. Periodic control of one or more of these problems may be necessary to grow a healthy turf. The local county Extension office can help identify pest problems and provide current control recommendations (http://styl.ias.ult.edu/find-your-local-office/).

WEEDS

One of the best attributes of zoysiagrass is its ability to resist weed invasion due to its thick, dense growth habit. Insect and disease problems can damage zoysiagrass, creating voids in this dense mat where weeds can invade. Fortunately, unlike St. Augustingergass and centipedegrass, zoysiagrass is very tolerant to many effective pre- and postemergence herbicides, giving a wide range of options to the turf manager (Table 1). Refer to ENH884, Weed Management in Home Lawns (https://edis.ifas.ufl.edu/ep141), for more information.

INSECTS

Hunting billbug can be a serious insect on zoysiagrass. Billbugs feed on roots, causing the turf to die in irregularshaped patches. The damage most often occurs in the fall and spring when populations are high and when damage may be misdiagnosed as dormancy. Stems and rhizomes break easily and have irregular feeding marks, and the turf will not hold together if cut. Most damage occurs on infertile or dry soil. If 10–12 billbugs are seen per square foot, control may be necessary.

Mole crickets and white grubs can also negatively impact zoysiagrass. Mole crickets feed on grass roots and leaf blades, and their tunneling activity dislodges plants from the soil, causing the plants to dry out. White grubs, like billbugs, feed on roots, causing the turf to turn yellow, with, and eventually die. Both of these insect pests often attract raccooms, skunks, armadillos, and birds, which may actually cause more damage than the insect itself.

Sod webworms can cause periodic injury to zoysiagrass. Injury from these insects can range from a mining of the green tissue (Figure 3) from the leaf tips to leaves completely chewed off.

For more information, refer to Insect Management in Your Florida Lawn (https://journals.flvc.org/edis/article/ view/116061). some nutrients back to the soil and are accounted for in UF/IFAS nutrient recommendations. Additionally, a newly sodded lawn on a sand soil with no organic matter may need more fertilizer than a lawn that has been fertilized for years. In Florida, new homes and new developments may be next to much older, developed landscapes, and a onesize-fits-all approach to fertilization is not reasonable. Thus, the guidelines provide a base range from which the end user can begin a fertilization program. The homeowner is encouraged to initiate a program based on these guidelines and to adjust it over time based on how the turfgrass responds.

Zoysiagrass responds better to a "spoon-feeding" fertilizer regimen (smaller quantities applied more frequently) rather than supplying larger quantities infrequently. It is best to take the annual quantity into three applications (north Florida) to six applications (south Florida) per year in most situations. Avoid applying nitrogen fertilizer simply to promote green color. Instead, monitor growth and apply only when the growth rate has declined. Potassium nutrition also is important and should be applied at rates equal to nitrogen. During excessively rainy periods, potassium may need to be applied more frequently due to its leaching ability.

Because zoysiagrass is slow to green-up in the spring, avoid applying fertilizer until after the turf has become fully green to avoid premature green-up, which is prone to frost injury. This is especially important in north Florida, where late spring frosts may damage the grass. Delaying spring fertilization until the turf is actively growing and can use the fertilizer also reduces the potential for nitrogen leaching from fertilizer. Likewise, do not fertilize to late in the year, because this can slow regrowth the following spring. Applying nitrogen on zoysiagrass in early spring and late fall significantly increases the risk of large patch disease.

On high-pH (>7.0) soils or where high-pH water is applied, yellow leaf blades may be an indication of iron (Fe) or manganese (Mn) deficiency. Foliar applications of soluble or chelated sources of these micronutrients can provide a green-up due to elevated pH.

For iron deficiency, spray ferrous sulfate (2 ounces in 3–5 gallons of water per 1000 square feet) or a chelated iron source (refer to the label for rates) to temporarily enhance color. Iron applications every 6 weeks help maintain green color and, unlike nitrogen, do not promote excessive top growth. Granular iron sources should be limited to chelated sources (i.e., EDTA, DTPA, or EDDHA), whereas foliar applications can include soluble Fe sulfate or chelates. For

Zoysiagrass for Florida Lawns



NEMATODES

Many turf managers state that nematodes are serious pests on zoysiagrasses; however, this is not well documented in scientific literature. UF/IFAS researchers and turfgrass breeders are working to identify the extent of zoysiagrass susceptibility, and they are identifying superior cultivars that can withstand nematodes. The UF/IFAS Extension Service Florida Nematode Assay Laboratory in Gainesville (https://entmedpet.ufl.edu/nematology-assay-lab/) can diagnose whether nematodes are a problem by looking at a soil sample taken from the margin of the affected area. Proper cultural factors to encourage zoysiagrass root growth lessen nematode stress. These include applying less nitrogen, providing less frequent (but deep) watering, and ensuring adequate soil potassium and phosphorus.

DISEASES

Zovsiagrass for Florida Lawns

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The most troubling disease for zoysiagrass is large patch (Figure 4). This disease becomes active when soil temperatures (4-inch depth) are between 65°F and 75°F each fall and can be a problem through the following spring. Although zoysiagrass is probably not more susceptible to this disease than St. Augustinggrass, recovery can be slow due to zoysiagrass' prolonged dormant to semidormant condition. Zoysiagrass is the first utf species to go off-color in the fall and the last to green-up in the spring. Therefore, if a large patch disease outbreak occurs, damage will be visible well into the next summer. With this in mind, if damage cannot be tolerated, it is important to treat preventively to ward off any likelihood of this disease. Refer to PP-233, *Homeowner's Guide to Fungicides for Lawn and Landscape Disease Management* (https://cdis.fas.ufl.edu/pp154), for more information on fungicides. Additionally, avoid excessive applications of soluble nitrogen, keep thath levels to a minimum, and avoid irrigating at a time that will not allow the turf to dry prior to nightfall. Refer to https://edis. information on using iron on Florida turfgrasses, please refer to ENH1287, *Iron for Florida Turfgrasses* (https://edis. ifas.ufl.edu/publication/EP551).

Note that iron is not a substitute for nitrogen, which provides the building blocks for turfgrass growth and is required for turf health. While both iron and nitrogen deficiencies result in yellowing of turfgrass, they are distinctly different deficiencies in plants. Applying iron does not cure yellowing due to nitrogen deficiency, and iron fertilizer is not a substitute for nitrogen fertilizer. Foliar iron fertilizers, such as iron sulfate or chelated iron solutions, help correct iron deficiencies, and nitrogen fertilizers applied according to BMPs correct nitrogen deficiencies.

Mowing

With proper fertility, zoysiagrasses require regular mowing during the summer to look their best. Medium- to coarsetextured zoysiagrasses should be moved weekly, or when they reach a height of 3–4 inches. They should be mowed at a height of 1.75–25 inches with a rotary mower. Finetextured zoysiagrasses maintained at height below 1 inch require more frequent mowing. Because zoysiagrass leaves contain more lignin and silica than other turfgrasses, they can be quite difficult to mow. Clippings should be left on the ground after mowing unless they become excessive and clump on the turf surface. A sharp, well-adjusted rotary or reel mower should be used.

Watering

Zoysiagrass responds to drought by turning brown and going dormant in a short period of time (within a week under typical drought conditions). In the absence of rain or irrigation, zoysiagrass stays dormant for extended periods of time. Once irrigation or rainfall resumes, zoysiagrass will regain its green color.

Irrigating on an "as-needed" basis is the best way to water any established, mature grass if the proper amount of water is applied when needed. Allowing the exposingents to go off-color is an acceptable water-conserving measure. However, when green grass is desired, irrigation is needed when leaf blades begin to fold up, wilt, or turn a blue-gray color, or when footprints remain visible after walking on the grass. Apply 16–³ in cho Water per application. This applies water to roughly the top 8 inches of soil, where most of the roots are. Be sure to follow any local watering restrictions. Refer to the EDIS publication LH025, Watering Your Florida Lawn (https://edis.ifas.ull.edu/h025), for additional information on proper watering techniques.

ifas.ufl.edu/topic_turf_diseases for additional information on turfgrass diseases.

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Figure 4. Large patch disease caused by Rhizoctonia solani. Credits: J. Bryan Unruh, UF/IFAS

Other diseases that impact zoysiagrass include dollar spot and rust. Dollar spot typically occurs when nitrogen is below optimal levels. This can easily be corrected with a light application of nitrogen. Rusts occur during mild, humid weather and appear as small yellow to orange to reddish-brown pustules on the leaves. Fungicides are effective, but most often, frequent mowing with clipping removal will keep this under control.

Other Problems

Other factors can also decrease the quality of a lawn. Excessive shade, compacted soils, over- or underwatering, improper moving, traffic, and high or low pH can all cause a lawn to perform poorly. It is important to recognize what the source of the problem is and to correct it if possible. For more information on these types of stresses, refer to ENH153, Environmental Stresses and Your Florida Lawn (https://dei.iss.ull.edu/epr07).

Literature Cited

Patton, A. J., B. M. Schwartz, and K. E. Kenworthy. 2017. "Zoysiagrass (Zoysia spp.) History, Utilization, and Improvement in the United States: A Review" Crop Science 57 (S1): S-37–S-72. https://doi.org/10.2135/ cropsci2017.02.0074

Zoysiagrass for Florida Lawns

SECTION 4: SITE DESIGN – SOIL + VEGETATION

Table 1. A generalized comparison of zoysiagrass to common lawn grasses grown in Florida.

	Centipedegrass	St. Augustinegrass	Zoysiagrass
Mowing Height	1.5″–2.5″	Cultivar dependent (2"-4")	Cultivar dependent (0.25"-2.5")
Mower Type	Rotary	Rotary	Reel-type or rotary
Annual Fertility Requirement	1-2 lb N/1000 ft ²	2-6 lb N/1000 ft ²	2.0-4.5 lb N/1000 ft ²
Grassy-Weed Herbicides	Preemergence—many Postemergence—few	Preemergence—many Postemergence—none	Preemergence—many Postemergence—many
Broadleaf Weed Herbicide Tolerance	Many are damaging.	Many are damaging.	Most are safe.
Insects	Spittlebugs Ground Pearls	Chinch Bugs Sod Webworm White Grubs	Hunting Billbugs Sod Webworm Mole Crickets White Grubs
Diseases	Centipedegrass Decline	Take-all Root Rot Large Patch Gray Leaf Spot	Large Patch Dollar Spot Rust
Comparative Water Use	Persists on less water but can wilt quickly in the absence of water.	Moderate—wilts, but some leaves remain green for longer periods of time.	Moderate, but can wilt quickly in the absence of water. Within 1–2 weeks, the leaves will be brown and the turf will go dormant.

Table 2. Annual fertilization recommendations for zoysiagrass in three regions of Florida.

Location ¹	Nitrogen Fertility Guideline ² (lb N/1000 sq ft/year)
North Florida	2-3
Central Florida	2-4
South Florida	2.5-4.5
¹ North Florida in this example is considered to be anything north of Ocala. Cent Beach to Tampa. South Florida includes the remaining southern portion of the s	tate.

² Preferences for lawn quality and maintenance level vary; therefore, a range of fertility rates is recommended. Additionally, effects within a localized region (i.e., microenvironmental influences such as shade, drought, soil conditions, and irrigation) necessitate a range of fertility rates.

UF IFAS Extension

Rhododendron x 'George Taber' 'George Taber' Azalea¹

Edward F. Gilman²

Introduction

Profuse, pink springtime blooms are so plentiful and large that they completely hide the foliage, making 'George Taber' azalea a favorite landscape shrub in the south. This large, spreading evergreen azalea is most impressive when used in mass plantings but makes an attractive specimen planting as well. Plant in mass on 4- to 6-foot centers.

General Information

Scientific name: Rhododendron x 'George Tabor' Pronunciation: roe-duh-DEN-drun Common name(s): 'George Taber' azalea Family: Ericaceae Plant type: shrub USDA hardiness zones: 8 through 10 (Fig. 1) Planting month for zone 9: year round Planting month for zone 9: year round Planting month for zone 10: year round Origin: not native to North America Uses: mass planting: specimen; attracts butterflies; cut flowers: foundation

Availability: generally available in many areas within its hardiness range

Description

Height: 10 to 12 feet Spread: 8 to 10 feet Plant habit: round Plant density: moderate Growth rate: slow

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Foliage

Leaf arrangement: alternate Leaf type: simple Leaf margin: entire Leaf shape: ovate Leaf venation: pinnate Leaf type and persistence: evergreen Leaf blade length: 2 to 4 inches Leaf color: green Fall color: no fall color change Fall characteristic not showy

Flower Flower color: pink

Flower characteristic: spring flowering; winter flowering

 This document is FPS509, one of a series of the Environmental Horticulture Department, UF/IFAS Extension. Original publication date October 1999. Reviewed February 2014. Visit the EDIS website at http://edis.ifas.ufl.edu.

2. Edward F. Gilman, professor, Environmental Horticulture Department; UF/IFAS Extension, Gainesville, FL 32611.

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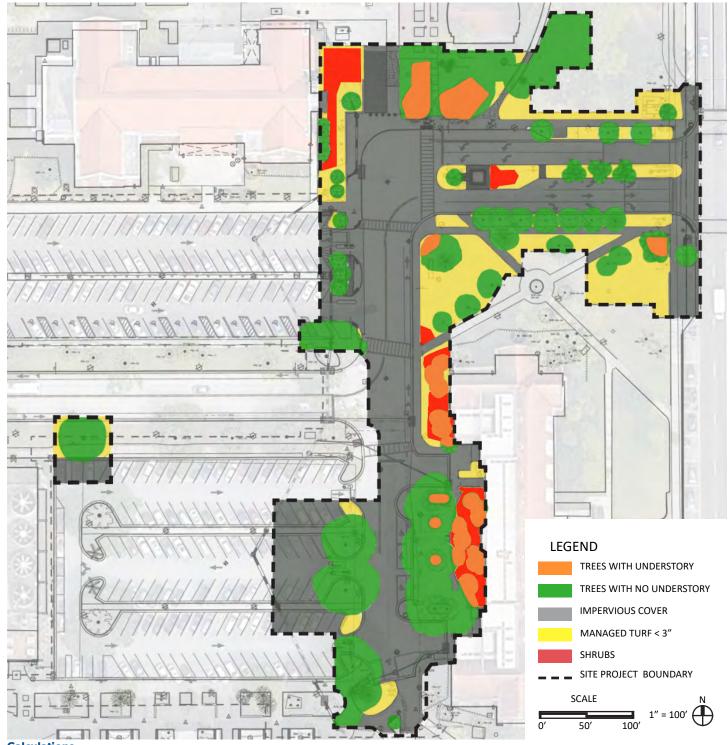
Zoysiagrass for Florida Lawns

FPS509

CREDIT 4.8 OPTIMIZE BIOMASS

Existing Site plan

Goal: 1 points



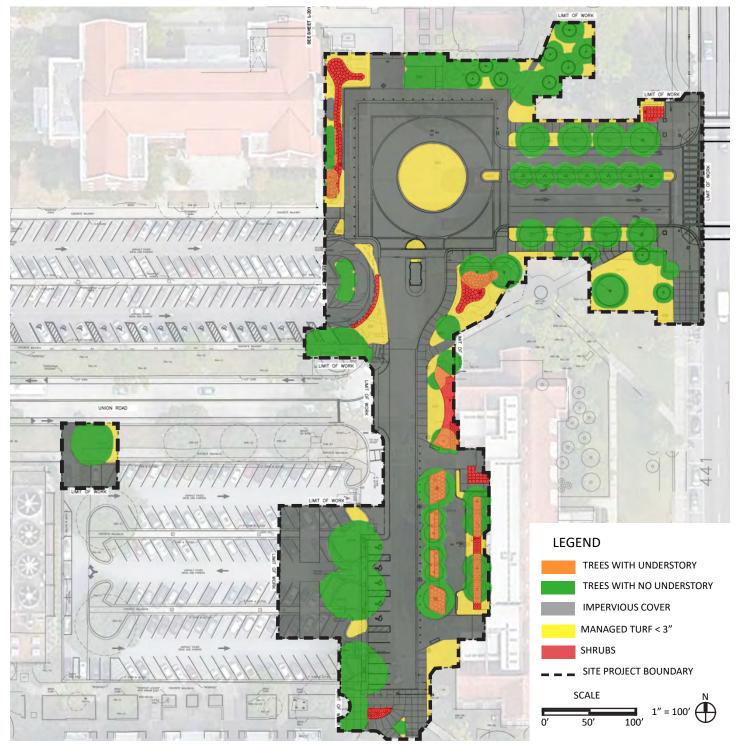
Calculations

Trees with understory = $4,532/97,907 = 0.0462 \times 6 = 0.2777$ Trees with no understory = $23,729/97,907 = 0.2423 \times 4 = 0.9694$ Impervious Cover = $51,485/97,907 = 0.5258 \times 0 = 0$ Managed Turf < $3'' = 15,409/97,907 = 0.1574 \times 3 = 0.4722$ Shrubs = $2,752/97,907 = 0.0281 \times 2 = 0.0562$

EXISTING BDI = 1.78

There was no managed turf >3".

Proposed Site Plan



Calculations

Trees with understory = $2,484/97,907 = 0.0253 \times 6 = 0.1522$ Trees with no understory = $25,297/97,907 = 0.2583 \times 4 = 1.0335$ Impervious Cover = $61,723/97,907 = 0.6401 \times 0 = 0$ Managed Turf < $3'' = 5,246/97,907 = 0.0761 \times 3 = 0.0536$ Shrubs = $2,206/97,907 = 0.0225 \times 2 = 0.0451$

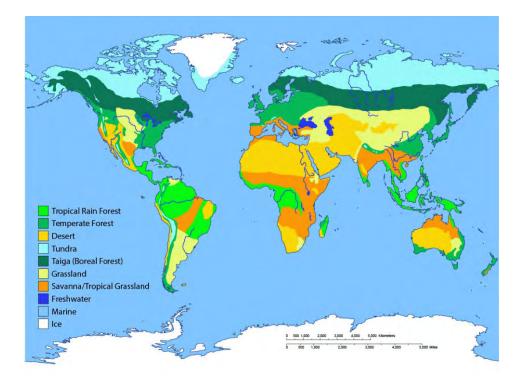
PROPOSED BDI = 1.28

There is no managed turf >3".

Terrestrial Biome

The terrestrial biome for this site according to the World Wildlife Fund Wildfinder is Temperate Coniferous Forest.

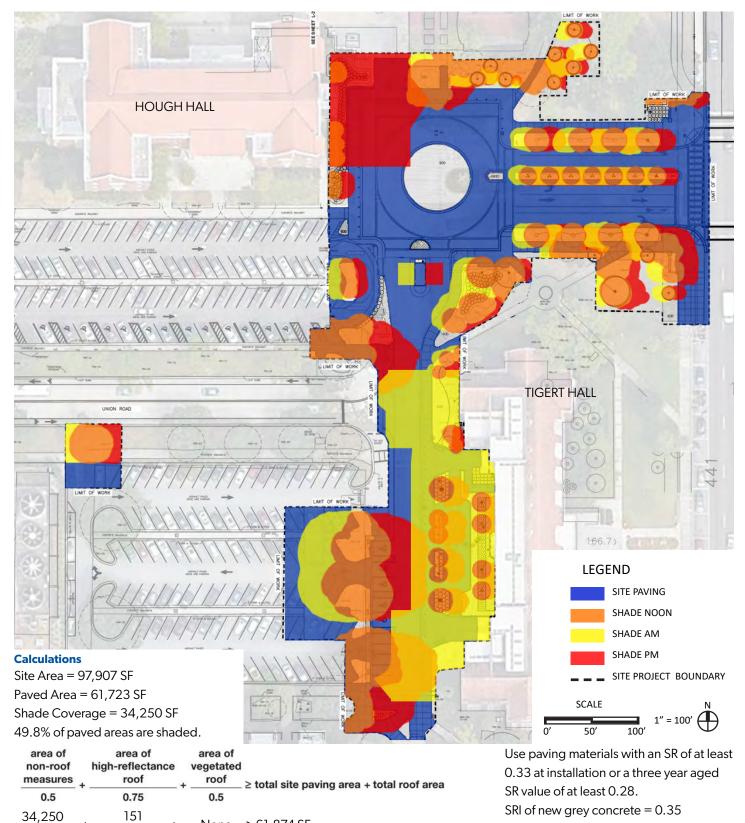
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Wwf_species	* NA0514	Fraser Plateau and Basin complex	137100	99	1.4	na	
		Great Basin montane forests	5800	99	2.9	na	
	+ NA0516	Klamath-Siskiyou forests	50300	73	14	na	
	# NA0517	Middle Atlantic coastal forests	133600	99	1 7	na	
	* NA0518	North Central Rockies forests	245700	99	2 4	na	
	* NA0519	Northern California coastal forests	13300	72	4 V	63	
	T NA0520	Northern Pacific coastal forests	60400	72	3.7	na	
	F NA0521	Northern transitional alpine forests	25700	99	24	08	
	1 NA0522	Okanagan dry forests	53300	99	3.7	na	
	+ NA0523	Piney Woods forests	140900	99	3.4	na	
	* NA0524	Puget lowland forests	22500	39	1.7	ná	
	+ NA0525	Queen Charlotte Islands	10000	72	29	na	
	* NA0526	Sierra Juarez and San Pedro Martir pine-oak forests	4000	99	24	na	
	+ NA0527	Sierra Nevada forests	52800	74	5 Y	na	
	E NA0528	South Central Rockies forests	159300	99	24	na	
	E ALAOT DO		235500	100		10	



CREDIT 4.9 | REDUCE URBAN HEAT ISLAND EFFECTS

Site plan

Goal: 4 points



0.75

0.5

None ≥ 61,874 SF

SRI of 3 year aged brick = 0.29

SRI of aged Clay Tile Roof = 0.45



Solar Reflectance, Thermal Emittance, and Calculated SRI for Four Colors of Brick Pavers Manufactured by Pine Hall Brick

The solar reflectance and thermal emittance of four colors of brick pavers manufactured by Pine Hall Brick Company, Inc. have been measured in accordance with ASTM C 1549 and ASTM C 1371, respectively. The solar reflectance was measured at air mass 1.5. The surface properties were determined for both sides of the 4x8 inch pavers. The measured solar reflectances and thermal emittances we used to calculate the SRI (solar reflectance index) for each of the pavers as outlined in ASTM E 1980. A list of the measured properties are contained in Table 1. The calculated SRI values are shown in Table 2 for each of the materials tested and for the average for each of the colors tested. Test reports for the solar reflectances and thermal emittances.

Table 1. Measured Solar Reflectance and Thermal Emittance Values

<u>Color</u>	Side	Solar Reflectance	Thermal Emittance
Buff	1	0.51	0.91
	2	0.51	0.90
	Average	0.51	0.905
Red	1	0.28	0.91
	2	0.29	0.91
	Average	0.285	0.91
Rose	1	0.27	0.93
	2	0.31	0.93
	Average	0.29	0.93
Flashed Red	1	0.11	0.95
	2	0.19	0.91
	Average	0.15	0.93

Table 2. Calculated SRI Values

Color	Side	SRI		
		Low Wind	Medium Wind	High Wind
Buff	1	59.9	60.1	60.3
	2	59.4	59.8	60.1
	Average	59.7	60.0	60.2
Red	1	29.7	30.0	30.3
	2	31.0	31.3	31.5
	Average	30.4	30.7	30.9
Rose	1	29.7	29.6	29.5
	2	34.8	34.7	34.6
	Average	32.3	32.2	32.1
Flashed Red	1	11.1	10.5	9.9
	2	18.2	18.5	18.8
	Average	14.7	14.5	14.4

The SRI scale covers the range from 0 to 100.

References:

- ASTM C 1371, "Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers."
- ASTM C 1549, "Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer."
- ASTM E 1980, "Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces."

David W. Yarbrough, PhD PE

October 8, 2007

Euco Densit LLC obtained the SRI of a pavement surface using the Densiphalt material. The Densiphalt section used for the SRI measurement was built at the Massachusetts National Air Guard facility in Brockton, Massachusetts. The test was conducted according to ASTM E 1918 by DeLuca-Hoffman Associates, Inc. (19).

Table 1 shows the test results obtained in this study, including:

- The average solar reflectance determined in the field according to ASTM E 1918 and in the laboratory in compliance with ASTM C 1549.
- The average thermal emissivity measured in the laboratory in accordance with ASTM C 1371. Since the aggregates used for the chip seals and sand seals were from the same quarry, it was reasonable to assume that both should have similar thermal emittance values.
- The average SRI determined according to ASTM E 1980 using the calculator developed by the Heat Island Group of the Lawrence Berkeley National Laboratory (7). The field

and laboratory SRI values were calculated based on the thermal emissivity as well as the solar reflectance measured in the field and laboratory, respectively. The SRI values were determined for medium wind that has a convective coefficient of 12 Wm⁻²K⁻¹.

As shown in Table 1, the two test methods—ASTM E 1918 and ASTM C 1549 produced different solar reflectance values, resulting in different SRI for the same materials. The difference was as high as 11 percent in this study. The rougher the surface, the larger the difference in SRI results determined according to the two test methods. The difference was thought to be due to the following two reasons:

- The ASTM C 1549 method is very sensitive to the roughness of the measured surface; and
- The samples used for the two test methods are different—a 10 ft by 10 ft surface area in the field for ASTM E 1918 and a small surface area of a 6 in. core in the laboratory.

TABLE 1 Se	olar Reflectance Index	(SRI) of Materials Use	ed in This Study
	34 4 1 1		

Materials	Avg. Re	flectance	Avg.	Av	g. SRI (j	percent)
	Field	Lab	Emittance	Field	Lab	Difference
Unbound Coarse Aggregate	0.45	N/A*	N/A			
Unbound Fine Aggregate	0.42	N/A	N/A			
Coarse-Graded HMA						
Control Section	0.08	0.06	0.93	5	3	2
Shot Blasting	0.18	0.24	0.96	19	27	-8
Fine-Graded HMA						
Surface Gritting	0.20	0.14	0.97	22	15	7
E-Krete without Sand Spray	0.36	0.36	0.96	42	42	0
Sand Seals	0.40	0.36	0.87	44	39	5
E-Krete with Sand Spray	0.36	0.33	0.94	41	37	4
StreetBond, Irish Cream	0.45	0.46	0.96	54	55	-1
StreetBond, Sun-Baked Clay	0.39	0.42	0.96	46	50	-4
Chip Seals	0.37	0.29	0.87**	40	29	11
Shot Blasting	0.21	0.19	0.91	21	18	3
Control Section	0.08	0.08	0.97	7	7	0
Synthetic Binder	0.30	0.33	0.98	35	39	-4
Densiphalt by EucoDensi (19)				24~32		

8. ESTIMATED CONSTRUCTION COST FOR EACH TECHNOLOGY

Table 2 shows estimated construction cost, including material, labor and equipment costs, for each surface treatment technology. The costs were estimated for a virtual parking lot of 20,000 square feet built in Auburn, Alabama at the time of this writing. For a future construction project, the cost for each technology can be obtained by contacting the respective company listed in Appendix B.

TABLE 2 Estimated Costs of Materials Used in This Study

	SRI in this	Estimated Cost
Technology	Study	(USD per S.F.)
Shot Blasting by Blastrac	18 - 27	0.20 - 0.30
Surface Gritting	15 - 22	N/A
E-Krete Micro-Surfacing by PolyCon	37 - 42	0.35 - 0.65
Chip Seals and Sand Seals	29 - 44	0.30 - 0.40
StreetBond Coating by IPC	46 - 55	1.40 - 1.70
Synthetic Binder by Toda America, Inc	35 - 39	N/A
Densiphalt by EucoDensi	24 - 32	N/A
* NI/A NI-4 1-1-1-		

* N/A = Not available

TABLE 1: MIXTURE PROPORTIONS AND AVERAGE SOLAR REFLECTANCE TEST RESULTS

	N	ixture p	roportio	ns, lb/yd'					
				regate		AEA,			
Mixture designation*	Cement	SCM	Fine	Coarse	Water	fl oz/yd³	w/cm	cm/fa	Solar reflectance
CDG-AE-CP	565	0	1245	1896	225	3.7	0.40	0.45	0.43
CDG-AE-CPSD	261	213	1242	1892	228	3.7	0.48	0.38	0.51
CDG-AE-CPSL	261	213	1242	1892	228	3.7	0.48	0.38	0.47
CDG-AE-CP-FDG	381	127	1228	1869	244	2.7	0.48	0.41	0.39
CDG-AM-CP-FDG	381	127	1246	1869	244	2.7	0.48	0.41	0.40
CR-AB-CP	565	0	1258	1895	294	3.7	0.52	0.45	0.36
CR-AE-CP	565	0	1245	1896	225	3.7	0.40	0.45	0.36
CR-AE-CP-FDG	381	127	1228	1869	244	3.7	0.48	0.41	0.41
CR-AM-CL-FDG	381	127	1246	1876	252	4.1	0.50	0.41	0.43
CR-AM-CP-FDG	381	127	1242	1869	244	3.7	0.48	0.41	0.40
CS-AB-CP	565	0	1258	1895	299	3.7	0.53	0.45	0.51
CS-AB-CPSD	261	213	1256	1892	272	3.7	0.57	0.38	0.54
CS-AB-CPSL	261	213	1256	1892	228	3.7	0.48	0.38	0.57
CS-AB-CP-FDG	381	127	1242	1869	276	3.7	0.54	0.41	0.48
CS-AB-CP-FPB	381	127	1242	1869	244	2.7	0.48	0.41	0.57
CS-AE-CL	565	0	1245	1903	247	3.7	0.44	0.45	0.46
CS-AE-CLSD	261	213	1242	1899	295	3.7	0.62	0.38	0.57
CS-AE-CL-FDG	381	127	1228	1876	252	3.7	0.50	0.41	0.41
CS-AE-CP	565	0	1245	1896	225	3.7	0.40	0.45	0.42
CS-AE-CPSD	261	213	1242	1892	228	3.7	0.48	0.38	0.52
CS-AE-CPSL	261	213	1242	1892	228	4.0	0.48	0.38	0.57
CS-AE-CPSM	261	213	1242	1892	228	2.7	0.48	0.38	0.54
CS-AE-CP-FDG	381	127	1228	1869	244	4.0	0.48	0.41	0.34
CS-AE-CP-FLG	381	127	1228	1869	244	2.7	0.48	0.41	0.42
CS-AE-CP-FMG	381	127	1228	1869	244	3.7	0.48	0.41	0.44
CS-AE-CP-FPB	381	127	1228	1869	244	2.7	0.48	0.41	0.47
CS-AE-CP-FVLG	381	127	1228	1869	244	3.2	0.48	0.41	0.48
CS-AE-CP-FYB	381	127	1228	1869	244	2.7	0.48	0.41	0.46
CS-AL-CP	565	0	1224	1822	271	3.7	0.48	0.46	0.53
CS-AL-CPSD	261	213	1271	1892	289	3.7	0.61	0.37	0.60
CS-AL-CPSL	261	213	1271	1892	282	3.7	0.59	0.37	0.64
CS-AL-CP-FDG	381	127	1255	1869	244	3.7	0.48	0.40	0.46
CS-AL-CP-FPB	381	127	1255	1869	244	2.7	0.48	0.40	0.54
CS-AM-CL	565	0	1260	1903	274	3.7	0.48	0.45	0.44
CS-AM-CP	565	0	1258	1895	226	4.0	0.40	0.45	0.52
CS-AM-CP-FDG	381	127	1242	1869	244	4.0	0.48	0.41	0.43

TABLE 1 CONTINUED:

MIXTURE PROPORTIONS AND AVERAGE SOLAR REFLECTANCE TEST RESULTS

	N	lixture p	roportio	ns, lb/yd³					
Mixture designation*	Cement	SCM	Agg Fine	regate Coarse	Water	AEA, fl oz/yd³	w/cm	cm/fa	Solar reflectance
CW-AB-CP	565	0	1254	1888	301	3.7	0.53	0.45	0.59
CW-AE-CP	565	0	1240	1888	259	3.7	0.46	0.46	0.59
CW-AL-CL-FDG	381	127	1228	1876	257	3.7	0.51	0.41	0.44
CW-AL-CP	565	0	1219	1815	271	3.7	0.48	0.46	0.69
CW-AL-CPSL	261	213	1271	1892	252	3.7	0.53	0.37	0.63
CXB-AE-CP	565	0	1244	1895	226	3.7	0.40	0.45	0.34
CXB-AE-CP-FDG	381	127	1228	1869	244	2.7	0.48	0.41	0.43
CXR-AE-CP	565	0	1244	1895	249	3.7	0.44	0.45	0.37
CXR-AE-CP-FDG	381	127	1228	1869	244	2.7	0.48	0.41	0.41

*The mixture designation lists the mixture constituents. See Fig. 1 to 3 for labels. Note: 1 lb/yd³ = 0.59 kg/m³; 1 fl oz/yd³ = 3.87 mL/m³.



SECTION 5: SITE DESIGN | MATERIALS SELECTION

Prerequisite	TITLE	Points
Materials P5.1	Eliminate the use of wood from threatened tree species	Required
Credit	TITLE	Points
Materials 5.4	Reuse salvaged materials and plants	4 points
Materials 5.5	Use recycled content materials	4 points
Materials 5.6	Use regional materials	5 points
Materials 5.7	Support responsible extraction of raw materials	1 points
Materials 5.8	Support transparency and safer chemistry	1 points
Materials 5.9	Support sustainability in materials manufacturing	1 points
Materials 5.10	Support sustainability in plant production	1 points

PREREQUISITE 5.1 ELIMINATE THE USE OF WOOD FROM THREATENED TREE SPECIES

All concrete pours for the project utilized wood forms that were extracted only from non-threatened tree species. No other wood products were used during the construction.

Materials Worksheet

SITES® v2 Materials Worksheet PRODUCT AND MATERIAL IDENTIFICATION

INSTRUCTIONS:

1. Complete the following form for all products and materials purchased for the project that are included in the prerequisite and credits (applicable) excluding labor.

Description of Material	Manufacturer or Supplier Name	Material/Product Type	Salvaged or Reused	Cost	t per Unit	Quantity	Total Materials Cost
Live Oak	Cherry Lake Tree Farm	Plant	N	\$	185.00	1	\$ 185.00
Muhly	Cherry Lake Tree Farm	Plant	N	\$	15.00	198	\$ 2,970.00
Azalea	Cherry Lake Tree Farm	Plant	N	\$	15.00	167	\$ 2,505.00
Sod	Woerner Farms	Sod	N	\$	0.65	7,341	\$ 4,771.65
Pinestraw	Elixson Wood Products	Mulch - other	Ν	\$	6.00	200	\$ 1,200.00
Pinestraw	University of Florida	Mulch - other	Y	\$	6.00	100	\$ 600.00
Holly Fern	University of Florida	Plant	Y	s	10.00	50	\$ 500.00
Liriope	University of Florida	Plant	Ý	ŝ	100.00	3	\$ 300.00
Drift Rose	University of Florida	Plant	Y	\$	14.00	25	\$ 350.00
Society Garlic	University of Florida	Plant	Y	\$	3.00	100	\$ 300.00
2 Tier Recycling Station	University of Florida	Wood - Manufactured/compressed wood	Y	\$	2,442.00	4	\$ 9,768.00
Precast Benches	University of Florida	Concrete	Y	s	800.00	4	\$ <u>9,768.00</u> \$ <u>1,600.00</u>
Reclaimed Brick Paver - 7-7/8" x 3-7/8" x 2-1/4"	University of Florida	Brick or masonry unit	Y	ş	1.54	2 400	\$ 1,800.00
	,	,		Ŷ		2,100	+ -,=-
Reclaimed Brick Paver - 8" x 4" x 2-1/4" Reclaimed Brick Paver - 7-15/16" x 3-7/8" x 2-1/4"	University of Florida	Brick or masonry unit	Y	\$	1.54	1,012	\$ 1,558.48
	University of Florida	Brick or masonry unit	Y	\$	1.54	576	\$ 887.04
Reclaimed Brick Paver - 7-1/2" x 4" x 2-1/4"	University of Florida	Brick or masonry unit	Y	\$	1.54	672	\$ 1,034.88
Reclaimed Brick Paver - 8-1/16" x 4" x 2-1/4"	University of Florida	Brick or masonry unit	Y	\$	1.54	600	\$ 924.00
Concrete Picnic Table	University of Florida	Concrete	Y	\$	1,000.00	2	\$ 2,000.00
Concrete/Wood Benches	University of Florida	Concrete	Y	\$	850.00	1	\$ 850.00
CMU Block - 8x8x16	Bell Concrete Products	Brick or masonry unit	N	\$	2.75	1,767	\$ 4,853.24
CMU Block - 8x4x16	Bell Concrete Products	Brick or masonry unit	N	\$	2.65	175	\$ 464.34
Brick - 3-5/8" x 2-1/4" x 7-5/8"	Cherokee	Brick or masonry unit	N	\$	1.77	7,475	\$ 13,246.80
Mortar	Spec Mix	Concrete	N	\$	7.25	280	\$ 2,030.00
Concrete - 3000 CMG Cell Fill	CEMEX	Concrete	Ν	\$	140.00	25	\$ 3,500.00
TAPS Signage	University of Florida	Non-wood decking, railing, fencing, trellises, or	N	\$	100.00	7	\$ 700.00
Light Poles & Fixtures	University of Florida	Lighting	Y	\$	3,700.00	3	\$ 11,100.00
Brick Pavers - 4x8" HD Full Range	Pine Hall Brick	Brick or masonry unit	N	S	1.54	18,126	\$ 27,889.11
Sand	Osteen Bros, Goldhead, Keystone Heights, FL	Sand (if used as a base course material)	N	\$	38.00	63	\$ 2,394.00
Cement Edge	Home Depot	Concrete	N	s	8.82	15	\$ 132.30
Crushed Concrete	Watson Construction, Newberry, FL	Concrete	N	\$	26.50	68	\$ 1,802.00
Metal Edging	Permaloc,	Other materials or base course layers	N	s	4.15	240	\$ 997.00
Concrete - 4,000 PSI	SRM Concrete	Concrete	N	\$	119.05	318	\$ 37,857.00
Asphalt	Anderson Columbia	Other materials or base course layers		ş S			+
Welded Wire Fabric	HD Whitecap	Concrete	N	\$ \$	270.95	63	+
			N	Ŷ	0.07	12,896	\$ 902.72
Rebar	HD Whitecap	Concrete	N	\$	1,650.00	6	\$ 9,900.00
Limerock	Limerock Industries	Other materials or base course layers	N	\$	5.00	1,637	\$ 8,185.00
CL200 Purple PVC Lateral Line	Sanderson Pipe Corporation	Pipe, hose, or irrigation equipment	N	\$	1.58	1,282	\$ 2,025.56
Rain Bird 1401 Flood Bubbler	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N	\$	5.38	1	\$ 5.38
Hunter PGP/PGJ Rotar/Mini Rotor Fixture	Hunter Industries	Pipe, hose, or irrigation equipment	N	\$	13.48	24	\$ 323.52
Existing Electric Rain Bird 150 PEB Valve	Rain Bird Corporation	Pipe, hose, or irrigation equipment	Y	\$	125.85	5	\$ 629.25
Precast Architectural Concrete	Spring Precast	Concrete	N	\$	49.82	129	\$ 6,427.25
Storm Structures	Oldcastle Infrastructure	Concrete	N	\$	1,816.38	7	\$ 12,714.66
Storm Piping	JM Eagle & Sanderson Pipe	Pipe, hose, or irrigation equipment	N	\$	52,344.00	1	\$ 52,344.00
1" x 4" Wood Forms	Home Depot	Wood - Natural Lumber	Y	\$	3.38	25	\$ 84.50
2" x 6" Wood Forms	Home Depot	Wood - Natural Lumber	Y	\$	6.88	25	\$ 172.00
3-Tier Recycling Station	Max-R	Wood - Manufactured/compressed wood	N	\$	2,442.00	1	\$ 2,442.00
Rain Bird 1806/1812 RD Spray Fixture	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N	\$	9.77	56	\$ 547.12
Sch. 40 PVC Sleeve	Sanderson Pipe Corporation	Pipe, hose, or irrigation equipment	N	\$	1.58	100	\$ 158.00
Bollards	Sternberg Lighting	Non-wood decking, railing, fencing, trellises, or	N	s	1,090.00	3	\$ 3,270.00
Switchgear	Sesco	Conduit, wiring, and electrical equipment	N	s	916.18	1	\$ <u>916.18</u>
Fixtures	Sesco	Lighting	N	ş S	3,834.58	1	\$ 3,834.58
Conduit & Fittings	Sesco	Conduit, wiring, and electrical equipment	N	э S	21,796.18	1	\$ 3,834.58 \$ 21,796.18
Wire	Sesco	Conduit, wiring, and electrical equipment	N	\$ \$	1,756.18	1	\$ 21,796.18 \$ 1,756.18
				Ŷ		1	+ .,
Temp Power Pole Bases	Sesco	Conduit, wiring, and electrical equipment	N	\$	556.18	1	\$ 556.18
		Conduit, wiring, and electrical equipment	N	\$	6,556.18	1	\$ 6,556.18
Lighting Controls	Sesco	Conduit, wiring, and electrical equipment	N	\$	76.18	1	\$ 76.18
Joint Sealant	Dow	Adhesive, sealant, elastomer, water proofing,	N	\$	3,420.31	1	\$ 3,420.31
Dampproofing	Master Builders Solutions	Adhesive, sealant, elastomer, water proofing,	N	\$	672.00	1	\$ 672.00
Total value for applicable products and mate	erials (\$)						\$ 299,288.79

MATERIALS IDENTIFICATION (from Materials List tab)			Product type is					
Description of Material	Manufacturer or Supplier Name	Material/Product Type	eligible for prerequisite	Wood Species	CITES Status	IUCN Status	Third-Party Certification?	Meets P5.1?
Live Oak	Cherry Lake Tree Farm	Plant	N					N/A
Muhly	Cherry Lake Tree Farm	Plant	N					N/A
Azalea	Cherry Lake Tree Farm	Plant	N					N/A
Sod	Woerner Farms	Sod	N					N/A
Pinestraw	Elixson Wood Products	Mulch - other	N					N/A
Pinestraw	University of Florida	Mulch - other	N					N/A
Holly Fern	University of Florida	Plant	N					N/A
Liriope	University of Florida	Plant	N					N/A
Drift Rose	University of Florida	Plant	N					N/A
Society Garlic	University of Florida	Plant	N					N/A
2 Tier Recycling Station	University of Florida	Wood - Manufactured/compressed wood product	Y	Oak	Other or not listed	Other or not listed	N	Y
Precast Benches	University of Florida	Concrete	N	Oak	Outer of Hot listed	Other of flot listed	i v	N/A
Reclaimed Brick Paver - 7-7/8" x 3-7/8" x 2-	University of Florida	Brick or masonry unit	N					N/A
Reclaimed Brick Paver - 8" x 4" x 2-1/4"	University of Florida	Brick or masonry unit	N					N/A
Reclaimed Brick Paver - 8" x 4" x 2-1/4" Reclaimed Brick Paver - 7-15/16" x 3-7/8"	University of Florida	Brick or masonry unit Brick or masonry unit						
Reclaimed Brick Paver - 7-15/16" x 3-7/8" Reclaimed Brick Paver - 7-1/2" x 4" x 2-		-	N					N/A
	University of Florida	Brick or masonry unit	N		-			N/A
Reclaimed Brick Paver - 8-1/16" x 4" x 2-	University of Florida	Brick or masonry unit	N					N/A
Concrete Picnic Table	University of Florida	Concrete	N					N/A
Concrete/Wood Benches	University of Florida	Concrete	N					N/A
CMU Block - 8x8x16	Bell Concrete Products	Brick or masonry unit	N					N/A
CMU Block - 8x4x16	Bell Concrete Products	Brick or masonry unit	N					N/A
Brick - 3-5/8" x 2-1/4" x 7-5/8"	Cherokee	Brick or masonry unit	N					N/A
Mortar	Spec Mix	Concrete	N					N/A
Concrete - 3000 CMG Cell Fill	CEMEX	Concrete	N					N/A
TAPS Signage	University of Florida	Non-wood decking, railing, fencing, trellises, or	Ν					N/A
Light Poles & Fixtures	University of Florida	Lighting	N					N/A
Brick Pavers - 4x8" HD Full Range	Pine Hall Brick	Brick or masonry unit	N					N/A
Sand	Osteen Bros, Goldhead,	Sand (if used as a base course material)	N					N/A
Cement Edge	Home Depot	Concrete	N					N/A
Crushed Concrete	Watson Construction,	Concrete	N					N/A
Metal Edging	Permaloc,	Other materials or base course layers	N					N/A
Concrete - 4,000 PSI	SRM Concrete	Concrete	N					N/A
Asphalt	Anderson Columbia	Other materials or base course layers	N					N/A
Welded Wire Fabric	HD Whitecap	Concrete	N					N/A N/A
Rebar	HD Whitecap	Concrete						
			N					N/A
Limerock	Limerock Industries	Other materials or base course layers	N					N/A
CL200 Purple PVC Lateral Line	Sanderson Pipe	Pipe, hose, or irrigation equipment	N					N/A
Rain Bird 1401 Flood Bubbler	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N					N/A
Hunter PGP/PGJ Rotar/Mini Rotor Fixture	Hunter Industries	Pipe, hose, or irrigation equipment	N					N/A
Existing Electric Rain Bird 150 PEB Valve	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N					N/A
Precast Architectural Concrete	Spring Precast	Concrete	N					N/A
Storm Structures	Oldcastle Infrastructure	Concrete	N					N/A
Storm Piping	JM Eagle & Sanderson	Pipe, hose, or irrigation equipment	N					N/A
1" x 4" Wood Forms	Home Depot	Wood - Natural Lumber	Y	Pine	Other or not listed	Other or not listed	Ν	Y
2" x 6" Wood Forms	Home Depot	Wood - Natural Lumber	Y	Pine	Other or not listed	Other or not listed	N	Y
3-Tier Recycling Station	Max-R	Wood - Manufactured/compressed wood product	Y	Oak	Other or not listed	Other or not listed	N	Y
Rain Bird 1806/1812 RD Spray Fixture	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N					N/A
Sch. 40 PVC Sleeve	Sanderson Pipe	Pipe, hose, or irrigation equipment	N					N/A
Bollards	Sternberg Lighting	Non-wood decking, railing, fencing, trellises, or	N					N/A
Switchgear	Sesco	Conduit, wiring, and electrical equipment	N					N/A
Fixtures	Sesco	Lighting	N					N/A
Conduit & Fittings	Sesco	Conduit, wiring, and electrical equipment	N					N/A
Wire	Sesco	Conduit, wiring, and electrical equipment						N/A N/A
Temp Power	Sesco	Conduit, wiring, and electrical equipment	N					
			N					N/A
Pole Bases	Sesco	Conduit, wiring, and electrical equipment	N					N/A
Lighting Controls	Sesco	Conduit, wiring, and electrical equipment	N					N/A
Joint Sealant	Dow	Adhesive, sealant, elastomer, water proofing,	N					N/A
Dampproofing	Master Builders Solutions	Adhesive, sealant, elastomer, water proofing,	N					N/A
All products meet prerequisite?								Yes

CREDIT 5.4 REUSE SALVAGED MATERIALS AND PLANTS

Narrative

Goal: 4 points

All materials listed represent the total scope of work for the Northeast Gateway, part of the UF Landscape Master Plan project. This list was updated to include all material ordered & installed for the project whether they complied with the SITES standards or not as well as confirming wood products from threatened tree species weren't used, as directed by the preliminary review. The scope of work for the Northeast Gateway included demo/salvaging of the existing wall & brick pavers for reuse, demo/ salvaging of irrigation equipment, demo/salvaging of landscaping to be incorporated into new site design, demo of existing concrete pathways, relocation of backflow preventer, installation of new storm water system, installation of new gateway walls, installation of new concrete pathways & foundations, installation of new brick pavers, installation of new gateway walls, installation of Northeast Gateway gatehouse, installation of new asphalt roadways, & installation of all site furnishings including, but not limited to, tables, benches, bollards, recycling stations, bike racks, & bike shelter. A big portion of each site's total cost value is related to labor since there was a lot of demolition needed & masonry work which is labor intensive, hence why values are lower than average. Cost values were taken with a 60%-40% split for material and labor from subcontractor's pay applications as a baseline, with some exceptions such as spray foam insulation at a 70%-30% split and precast concrete being 100% because it was a material purchase order. The following items listed below were either salvaged or reused from the project site:

- Pine straw Existing pine straw from existing planters was used to supplement with addition of new pine straw;
- Lily of the Nile Remained on site & incorporated into new planters;
- Dogwood Remained on site & incorporated into new planters;
- Holly Fern Remained on site & incorporated into new planters;
- Liriope Remained on site & incorporated into new planters;
- Drift Rose Remained on site & incorporated into new planters;
- Society Garlic Remained on site & incorporated into new planters;
- 2-Tier Recycling Station Picked-up from University of Florida maintenance team to be stored until future use;
- Reclaimed Brick Pavers Salvaged from Newell project site & reinstalled on both Newell & Northeast project sites, remaining
 pavers were picked up from University of Florida maintenance team to be stored until future use;
- Concrete Picnic Tables Stored picnic tables from University of Florida attic stock delivered to project site & incorporated in space;
- Concrete/Wood Benches Salvaged/picked up by University of Florida maintenance team to be stored for future use;
- Light Fixtures Existing light fixtures on project site were either incorporated into new space or picked up by UF maintenance team to store for future use;
- Bollards Salvaged/picked up by University of Florida maintenance team to be stored for future use;
- TAPS Signage Salvaged/picked up by University of Florida Transportation & Parking Services team to be stored for future use or incorporated into site design;
- Gate Arms & Mechanical Elements Salvaged/picked up by University of Florida Transportation & Parking Services team to be stored for future use;
- Historical Monument Protected & incorporated into new Northeast Gateway site design;
- Bicycle Repair Station Salvaged/picked up by University of Florida maintenance team to be stored for future use;
- Double Bicycle Racks Salvaged/picked up by University of Florida maintenance team to be stored for future use;
- Existing Electric Rain Bird 150 PEB Valve Incorporated into new irrigation system installed;
- Existing Backflow Preventer Relocated to new area on Northeast Gateway & integrated into system;
- 1" x 4" Wood Forms Used during the pouring of concrete sidewalks & foundations;
- 2" x 6" Wood Forms Used during the pouring of concrete sidewalks & foundations;
- Clay Roof Tiles Taken from University of Florida attic stock & installed with new tiles

Materials Worksheet

SITES® v2 Materials Worksheet C5.4: REUSE SALVAGED MATERIALS AND PLANTS C5.5: USE RECYCLED CONTENT MATERIALS C5.6: USE REGIONAL MATERIALS

INSTRUCTIONS:

1. Enter applicable information for each material under each credit. Percentages are based on cost or replacement value.

Description of Material	Manufacturer or Supplier Name	Material/Product Type	otal Cost of Material
River Birch	Cherry Lake Tree Farm	Plant	\$ 740.00
Crape Myrtle	Cherry Lake Tree Farm	Plant	\$ 1,295.00
Longleaf Pine	Half Moon Growers	Plant	\$ 2,035.00
Chickasaw Plum	Half Moon Growers	Plant	\$ 660.00
Oak Trees	Cherry Lake Tree Farm	Plant	\$ 2,405.00
Muhly Grass	Cherry Lake Tree Farm	Plant	\$ 4,140.00
Podocarpus	Cherry Lake Tree Farm	Plant	\$ 1,590.00
Azaleas	Cherry Lake Tree Farm	Plant	\$ 1,335.00
Lilies	Cherry Lake Tree Farm	Plant	\$ 1,020.00
Liriope	Cherry Lake Tree Farm	Plant	\$ 5,728.00
Jasmine	Rode Groundcovers, Inc	Plant	\$ 2,376.00
Pinestraw	University of Florida	Mulch - other	\$ 1,500.00
Swamp Chestnut Oak	Half Moon Growers	Plant	\$ 80.00
Knockout Roses	Blooming House Nursery	Plant	\$ 150.00
Sabal Palm- 20' OA Height	TNT Nursery	Plant	\$ 1,440.00
Lily of the Nile	University of Florida	Plant	\$ 390.00
Dogwood 3"	University of Florida	Wood - Natural Lumber	\$ 100.00
2 Tier Recycling Station	University of Florida	Wood - Manufactured/compressed wood	\$ 9,105.00
Precast Concrete Benches	University of Florida	Concrete	\$ 6,400.00
Light Fixtures	University of Florida	Lighting	\$ 25,900.00
Bollards	University of Florida	Non-wood decking, railing, fencing, trellises, or	\$ 5,450.00
TAPS Signage	University of Florida	Cut or processed stone	\$ 1,000.00
Gate Arms & Mechanical Elements	University of Florida	Conduit, wiring, and electrical equipment	\$ 12,500.00
Historical Monument	University of Florida	Cut or processed stone	\$ 2,000.00
Bicycle Repair Station	University of Florida	Cut or processed stone	\$ 1,800.00
Existing Backflow Preventor - Double Check Gate Valve	University of Florida	Pipe, hose, or irrigation equipment	\$ 15,000.00
Double Bicycle Racks	University of Florida	Cut or processed stone	\$ 2,200.00
Concrete/Wood Benches	University of Florida	Concrete	\$ 1,700.00
CMU Block - 8x8x16	Bell Concrete Products	Brick or masonry unit	\$ 1,911.00
CMU Block - 8x8x16	Bell Concrete Products	Brick or masonry unit	\$ 127.00
Brick - 3-5/8" x 2-1/4" x 7-5/8"	Cherokee	Brick or masonry unit	\$ 6,439.50
Mortar	Spec Mix	Concrete	\$ 2,349.00
Concrete - 3000 CMG Cell Fill	CEMEX	Concrete	\$ 4,200.00
Bahia	Tater Farms	Sod	\$ 187.20
Zoysia	Woerner Farms	Sod	\$ 811.85
Concrete - 4,000 PSI Mix	SRM Concrete	Concrete	\$ 212,052.00
Asphalt	Anderson Columbia	Other materials or base course layers	\$ 27,900.00
Welded Wire Fabric	HD Whitecap	Concrete	\$ 2,708.30
Limerock	Limerock Industries	Other materials or base course layers	\$ 24,550.00
Pavers- ADA Pavers Red Rustic	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 1,749.60
Pavers- PH Rumbled Full Range HD	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 106,080.00
Pavers- PH Pathway 4x8 FullRange HD	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 24,043.50
Pavers- PH Coco HD	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 4,140.00
Pavers - PH Cocoa	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 219.78
Pavers- PH Pathway 4x8 Full Range	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 28,851.12
Sand	Osteen Bros, Goldhead, Keystone Heights, FL	Sand (if used as a base course material)	\$ 2,242.00
Cement Edge	Home Depot	Concrete	\$ 308.70
Reclaimed Brick Pavers	University of Florida	Cut or processed stone	\$ 6,448.00
Crushed Concrete	Watson Construction, Newberry, FL	Concrete	\$ 4,240.00
Metal Edging	Permaloc,	Other materials or base course layers	\$ 1,470.00
CL200 Purple PVC Lateral Line	Sanderson Pipe Corporation	Pipe, hose, or irrigation equipment	\$ 5,802.16
Rain Bird 1401 Flood Bubbler	Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$ 102.22
Hunter PGP/PGJ Rotar/Mini Rotor Fixture	Hunter Industries	Pipe, hose, or irrigation equipment	\$ 404.40
Electric Rain Bird 150 PEB Valve	Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$ 1,510.20
Rain Bird 1806/1812 RD Spray Fixture	Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$ 2,295.95
Sch. 40 PVC Sleeve	Sanderson Pipe Corporation	Pipe, hose, or irrigation equipment	\$ 385.13

C5.4: SALV	AGED MATERIAL	s	
Product type is eligible for credit	Salvaged or Reused (from Materials List tab)	Total Cost of Salvaged Material	:
Y	N	\$ -	
Y	Ν	\$-	
Y	Ν	\$ -	
Y	N	\$ -	
Y	Ν	\$-	
Y	N	\$-	
Y	Ν	\$-	
Y	Ν	\$-	
Y	N	\$-	
Y	Ν	\$-	
Y	N	\$ -	
Y	Y	\$ 1,500.0	00
Y	Y	\$ 80.0	-
Y	Y	\$ 150.0	
Y	Y	\$ 1,440.0	-
Y	Y	\$ 390.0	-
Y	Y	\$ 100.0	00
Y	Y	\$ 9,105.0	00
Y	Y	\$ 6,400.0	00
Y	Y	\$ 25,900.0	00
Y	Y	\$ 5,450.0	00
Y	Y	\$ 1,000.0	00
Y	Y	\$ 12,500.0	00
Y	Y	\$ 2,000.0	00
Y	Y	\$ 1,800.0	
Y Y	Y Y	\$ 15,000.0 \$ 2,200.0	
Y	Y	\$ 1,700.0	-
Y	N	\$ -	
Y	N	\$ \$-	
Ý	N	\$ -	
Y	N	\$ -	
Y	N	\$ -	
Y	N	\$ -	
Y	N	\$ \$-	
Y	N	\$ -	
Y	N	\$ -	
Y	N	\$ \$-	
Y	N	\$ -	
Ý	N	\$ -	
Ý	N	\$ -	
Y	N	\$ -	
Y	N	\$ -	
Y	N	\$ -	
Y	N	\$ -	
Y	N	\$ -	
Y	N	\$ -	
Y	Y	\$ 6,448.0	00
Y	N	\$-	
Y	N	\$-	
Y	N	\$ -	
Y	N	\$-	

2.5" Irrigation Mainline	Sanderson Pipe Corporation	Pipe, hose, or irrigation equipment	\$	576.70
Mainline Isolation Valves	Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$	119.94
Mainline Isolation Valves	Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$	39.9
Hunter RP Rotary-Spray Fixture	Hunter Industries	Pipe, hose, or irrigation equipment	\$	21.75
Rain Bird ESP Lxme 8 Station Modular	Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$	808.30
Valve Wire Junction Box	NDS	Pipe, hose, or irrigation equipment	\$	79.9
Precast Architectural Concrete	Spring Precast	Concrete	\$	4,882.30
Storm Structures	Oldcastle Infrastructure	Concrete	\$	55,023.50
Storm Piping	JM Eagle & Sanderson Pipe	Pipe, hose, or irrigation equipment	\$	179,058.00
1" x 4" Wood Forms	Home Depot	Wood - Natural Lumber	\$	84.50
2" x 6" Wood Forms	Home Depot	Wood - Natural Lumber	\$	172.00
3-Tier Recycling Station	Max-R	Wood - Manufactured/compressed wood	\$	4,884.00
Rebar	HD Whitecap	Concrete	э \$	29,700.00
Pinestraw	Elixson Wood Products	Mulch - other	э \$	
Steel Plate	Holt Metals			3,000.0
		Cut or processed stone	\$	2,311.2
Gatehouse Roof Drains	Barry Pattern & Foundry, Inc	Cut or processed stone	\$	2,010.1
Bike Shelter	Handi Hut	Cut or processed stone	\$	10,223.0
Bollards	Sternberg Lighting	Conduit, wiring, and electrical equipment	\$	47,060.00
Bike Racks	Peak Racks	Cut or processed stone	\$	2,361.0
Mingle Seating	Landscape Forms	Cut or processed stone	\$	27,934.62
Benches	Keystone Ridge Designs	Cut or processed stone	\$	32,893.7
Switchgear	Sesco	Conduit, wiring, and electrical equipment	\$	1,374.2
Fixtures	Sesco	Lighting	\$	5,751.8
Conduit & Fittings	Sesco	Conduit, wiring, and electrical equipment	\$	32,694.2
Wire	Sesco	Conduit, wiring, and electrical equipment	\$	2,634.2
Temp Power	Sesco	Conduit, wiring, and electrical equipment	\$	834.2
Pole Bases	Sesco	Conduit, wiring, and electrical equipment	\$	9,834.2
Lighting Controls	Sesco	Conduit, wiring, and electrical equipment	\$	114.2
LG Mini Split	LG	Conduit, wiring, and electrical equipment	\$	4,600.00
Casework	OEC	Wood - Manufactured/compressed wood	\$	3,270.00
Solid Surface Window Sills	Rainbow Cabinets	Cut or processed stone	\$	727.20
ACT Tile	Armstrong	Wood - Manufactured/compressed wood	\$	1,350.00
ACT Suspension System	Armstrong	Cut or processed stone	\$	497.00
Glazing	Vitro	Sand (for purposes other than soil amendment	\$	3,437.00
Doors & Hardware	Kawneer	Cut or processed stone	\$	5,061.00
Ceramic Floor Tile	Garden State Tile	Cut or processed stone	\$	3,679.00
Drywall	CertainTeed	Wood - Manufactured/compressed wood	\$	1,295.00
Spray Foam Insulation	Huntsman Building Solutions	Extruded, spray or board foams	\$	2,660.00
Steel Trusses	Clark Dietrich	Cut or processed stone	\$	20,655.00
Ice & Water Shield Roof Underlayment	GCP Applied Technologies	Adhesive, sealant, elastomer, water proofing,	\$	1,907.30
Clay Roof Tiles	Ludowici	Cut or processed stone	\$	17,116.20
Clay Roof Tiles	University of Florida	Cut or processed stone	\$	1,626.4
Interior Paint	Sherwin Williams	Paint or coating	\$	2,340.00
Joint Sealant	Dow	Adhesive, sealant, elastomer, water proofing,	\$	5,130.4
ADA Handrails		Cut or processed stone	_	
	Hutchinson Welding		\$ \$	5,787.0
Copper Flashing Proof Motol	Perry Roofing	Cut or processed stone		
Break Metal	Perry Roofing	Cut or processed stone	\$	400.18
Dampproofing	Master Builders Solutions	Adhesive, sealant, elastomer, water proofing,	\$	1,008.00
Storefront	Kawneer	Cut or processed stone	\$	13,381.7
Stucco	Amerimix	Aggregate/gravel	\$	2,580.73
Insulation	DuPont	Wood - Manufactured/compressed wood	\$	655.0
Wall Framing	Clark Dietrich	Cut or processed stone	\$	7,105.0
Building Signage	Clear Image	Cut or processed stone	\$	953.7
Repelicone W	DCP	Adhesive, sealant, elastomer, water proofing,	\$	538.4
Metal Roofing	GulfCoast	Cut or processed stone	\$	1,292.00
Gutter & Drip Edge	Perry Roofing	Cut or processed stone	\$	300.00
Roof Underlayment	Home Depot	Wood - Natural Lumber	\$	273.9
Traffic Camera & Controller	Cubic Transportation Systems	Conduit, wiring, and electrical equipment	\$	24,120.0
Pedestrian Detector & Signal	Cubic Transportation Systems	Conduit, wiring, and electrical equipment	\$	4,380.0
Total materials cost (from Introduct	ion tab)		\$	1,178,701.4
			Ļ	.,,.

	Y		576.70
Y Y	Y	\$ \$	119.94
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	Y	\$	84.50
Y	Y	\$	172.00
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y Y	N	\$	
Y	N	\$	
Y	N	\$	
Y	N	\$ \$	
Y	N	\$	
Y	N	э \$	-
Y	N	\$	
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	Y	\$	1,626.44
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	
Y	N	\$	-
Y	N	\$	-
Y	N	\$	
Y	N	\$	
Y	N	\$	
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	-
Y	N	\$	
Y	N	\$	
Y Y	N	\$	
	N	\$	-
	d materials cost	\$	95,742.58
Total materia ineligible proc materials cos	luct and recycled	\$	753,988.47
	ged materials (%)	1	12.70%
	(,v)		.2.1070

CREDIT 5.5 USE RECYCLED CONTENT MATERIALS

Narrative

Goal: 4 points

All materials listed represent the total scope of work for the Northeast Gateway, part of the UF Landscape Master Plan project. This list includes all material ordered & installed for the project whether they complied with the SITES standards or not as well as confirming wood products from threatened tree species weren't used. A big portion of each site's total cost value is related to labor since there was a lot of demolition needed & masonry work which is labor intensive, hence why values are lower than average.

SITES[®] v2 Materials Worksheet

C5.4: REUSE SALVAGED MATERIALS AND PLANTS C5.5: USE RECYCLED CONTENT MATERIALS C5.6: USE REGIONAL MATERIALS

INSTRUCTIONS:

1. Enter applicable information for each material under each credit. Percentages are based on cost or replacement value

MATERIALS IDENTIFICATION (from Materials List tab)	-	-	
Description of Material	Manufacturer or Supplier Name	Material/Product Type	tal Cost of Material
River Birch	Cherry Lake Tree Farm	Plant	\$ 740.00
Crape Myrtle	Cherry Lake Tree Farm	Plant	\$ 1,295.00
Longleaf Pine	Half Moon Growers	Plant	\$ 2,035.00
Chickasaw Plum	Half Moon Growers	Plant	\$ 660.00
Oak Trees	Cherry Lake Tree Farm	Plant	\$ 2,405.00
Muhly Grass	Cherry Lake Tree Farm	Plant	\$ 4,140.00
Podocarpus	Cherry Lake Tree Farm	Plant	\$ 1,590.00
Azaleas	Cherry Lake Tree Farm	Plant	\$ 1,335.00
Lilies	Cherry Lake Tree Farm	Plant	\$ 1,020.00
Liriope	Cherry Lake Tree Farm	Plant	\$ 5,728.00
Jasmine	Rode Groundcovers, Inc	Plant	\$ 2,376.00
Pinestraw	University of Florida	Mulch - other	\$ 1,500.00
Swamp Chestnut Oak	Half Moon Growers	Plant	\$ 80.00
Knockout Roses	Blooming House Nursery	Plant	\$ 150.00
Sabal Palm- 20' OA Height	TNT Nursery	Plant	\$ 1,440.00
Lily of the Nile	University of Florida	Plant	\$ 390.00
Dogwood 3"	University of Florida	Wood - Natural Lumber	\$ 100.00
2 Tier Recycling Station	University of Florida	Wood - Manufactured/compressed wood	\$ 9,105.00
Precast Concrete Benches	University of Florida	Concrete	\$ 6,400.00
Light Fixtures	University of Florida	Lighting	\$ 25,900.00
Bollards	University of Florida	Non-wood decking, railing, fencing, trellises, or	\$ 5,450.00
TAPS Signage	University of Florida	Cut or processed stone	\$ 1,000.00
Gate Arms & Mechanical Elements	University of Florida	Conduit, wiring, and electrical equipment	\$ 12,500.00
Historical Monument	University of Florida	Cut or processed stone	\$ 2,000.00
Bicycle Repair Station	University of Florida	Cut or processed stone	\$ 1,800.00
Existing Backflow Preventor - Double Check Gate Valve	University of Florida	Pipe, hose, or irrigation equipment	\$ 15,000.00
Double Bicycle Racks	University of Florida	Cut or processed stone	\$ 2,200.00
Concrete/Wood Benches	University of Florida	Concrete	\$ 1,700.00
CMU Block - 8x8x16	Bell Concrete Products	Brick or masonry unit	\$ 1,911.00
CMU Block - 8x8x16	Bell Concrete Products	Brick or masonry unit	\$ 127.00
Brick - 3-5/8" x 2-1/4" x 7-5/8"	Cherokee	Brick or masonry unit	\$ 6,439.50
Mortar	Spec Mix	Concrete	\$ 2,349.00
Concrete - 3000 CMG Cell Fill	CEMEX	Concrete	\$ 4,200.00
Bahia	Tater Farms	Sod	\$ 187.20
Zoysia	Woerner Farms	Sod	\$ 811.85
Concrete - 4,000 PSI Mix	SRM Concrete	Concrete	\$ 212,052.00
Asphalt	Anderson Columbia	Other materials or base course layers	\$ 27,900.00
Welded Wire Fabric	HD Whitecap	Concrete	\$ 2,708.30
Limerock	Limerock Industries	Other materials or base course layers	\$ 24,550.00
Pavers- ADA Pavers Red Rustic	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 1,749.60
Pavers- PH Rumbled Full Range HD	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 106,080.00
Pavers- PH Pathway 4x8 FullRange HD	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 24,043.50
Pavers- PH Coco HD	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 4,140.00
Pavers - PH Cocoa	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 219.78
Pavers- PH Pathway 4x8 Full Range	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 28,851.12
Sand	Osteen Bros, Goldhead, Keystone Heights, FL	Sand (if used as a base course material)	\$ 2,242.00
Cement Edge	Home Depot	Concrete	\$ 308.70
Reclaimed Brick Pavers	University of Florida	Cut or processed stone	\$ 6,448.00
Crushed Concrete	Watson Construction, Newberry, FL	Concrete	\$ 4,240.00
Metal Edging	Permaloc,	Other materials or base course layers	\$ 1,470.00
CL200 Purple PVC Lateral Line	Sanderson Pipe Corporation	Pipe, hose, or irrigation equipment	\$ 5,802.16
Rain Bird 1401 Flood Bubbler	Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$ 102.22
Hunter PGP/PGJ Rotar/Mini Rotor Fixture		Pipe, hose, or irrigation equipment	\$ 404.40
Electric Rain Bird 150 PEB Valve	Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$ 1,510.20

C5.5: RECYC	LED CONTENT		
Product type is eligible for credit	Post- Consumer (%)	Pre-Consumer (%)	Total Cost of Recycled Materials
N			N/A
Y			\$-
N			N/A
Ν			N/A
N			N/A
Y			\$-
Y			\$ -
Y			\$-
Y Y			\$ - \$ -
Y Y			\$ - \$ -
Y		18.80%	\$ 179.63
Y		18.80%	\$ 179.63
Y	13.00%	10.00 %	\$ 837.14
Y	13.0076	10.00%	\$ 117.45
Y	15.00%	10.0076	\$ 630.00
N	10.0070		v 000.00 N/A
N			N/A
Y	18.07%		\$ 38,317.80
Y		95.00%	\$ 13,252.50
Y			\$ -
Y	100.00%		\$ 24,550.00
Y	95.00%		\$ 1,662.12
Y	95.00%		\$ 100,776.00
Y	95.00%		\$ 22,841.33
Y	95.00%		\$ 3,933.00
Y	95.00%		\$ 208.79
Y	95.00%		\$ 27,408.56
Y	100.00%		\$ 2,242.00
Y	10.00%		\$ 30.87
Y	100.00%		\$ 6,448.00
Y	13.00%		\$ 551.20
Y		13.00%	\$ 95.55
Y	1.00%		\$ 58.02
Y	20.00%		\$ 20.44
Y		90.00%	\$ 181.98
Y	20.00%		\$ 302.04

Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$	2,295.95
Sanderson Pipe Corporation	Pipe, hose, or irrigation equipment	\$	385.13
Sanderson Pipe Corporation	Pipe, hose, or irrigation equipment	\$	576.70
Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$	119.94
Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$	39.98
Hunter Industries	Pipe, hose, or irrigation equipment	\$	21.75
Rain Bird Corporation	Pipe, hose, or irrigation equipment	\$	808.30
NDS	Pipe, hose, or irrigation equipment	\$	79.92
Spring Precast	Concrete	\$	4,882.36
Oldcastle Infrastructure	Concrete	\$	55,023.50
JM Eagle & Sanderson Pipe	Pipe, hose, or irrigation equipment	\$	179,058.00
Home Depot	Wood - Natural Lumber	\$	84.50
Home Depot	Wood - Natural Lumber	\$	172.00
Max-R	Wood - Manufactured/compressed wood	\$	4,884.00
HD Whitecap	Concrete	_	29,700.00
	Mulch - other	_	3,000.00
	Cut or processed stope	-	2,311.20
			2,010.16
			10,223.00
		_	47,060.00
		_	2,361.00
			27,934.62 32,893.75
		_	
		_	1,374.27
			5,751.87
			32,694.27
		Ŧ	2,634.27
Sesco			834.27
Sesco	Conduit, wiring, and electrical equipment	_	9,834.27
Sesco	Conduit, wiring, and electrical equipment	\$	114.27
LG	Conduit, wiring, and electrical equipment	\$	4,600.00
OEC	Wood - Manufactured/compressed wood	\$	3,270.00
Rainbow Cabinets	Cut or processed stone	\$	727.20
Armstrong	Wood - Manufactured/compressed wood	\$	1,350.00
Armstrong	Cut or processed stone	\$	497.00
Vitro	Sand (for purposes other than soil amendment	\$	3,437.00
Kawneer	Cut or processed stone	\$	5,061.00
Garden State Tile	Cut or processed stone	\$	3,679.00
CertainTeed	Wood - Manufactured/compressed wood	_	1,295.00
		\$	
Huntsman Building Solutions	Extruded, spray or board foams		2.660.00
Huntsman Building Solutions Clark Dietrich	Extruded, spray or board foams Cut or processed stone	\$	
Clark Dietrich	Cut or processed stone	\$ \$	2,660.00 20,655.00 1.907.36
Clark Dietrich GCP Applied Technologies	Cut or processed stone Adhesive, sealant, elastomer, water proofing,	\$	20,655.00 1,907.36
Clark Dietrich GCP Applied Technologies Ludowici	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone	\$ \$ \$	20,655.00 1,907.36 17,116.20
Clark Dietrich GCP Applied Technologies Ludowici University of Florida	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Cut or processed stone	\$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Cut or processed stone Paint or coating	\$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing,	\$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Cut or processed stone Cut or processed stone Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Adhesive, sealant, elastomer, water proofing,	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00 13,381.75
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00 13,381.75 2,580.73
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adjresive, sealant, elastomer, water proofing, Cut or processed stone Adjregate/gravel Wood - Manufactured/compressed wood	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00 13,381.75 2,580.73 655.00
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel Wood - Manufactured/compressed wood Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00 13,381.75 2,580.73 655.00 7,105.00
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clear Image	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Aggregate/gravel Wood - Manufactured/compressed wood Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00 13,381.75 2,580.73 655.00 7,105.00 953.71
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clark Dietrich Clark Dietrich	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel Wood - Manufactured/compressed wood Cut or processed stone Cut or processed stone Cut or processed stone Adhesive, sealant, elastomer, water proofing,	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00 13,381.75 2,580.73 655.00 7,105.00 933.71 538.40
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clear Image	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00 13,381.75 2,580.73 655.00 7,105.00 933.71 538.40
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clark Dietrich Clark Dietrich	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel Wood - Manufactured/compressed wood Cut or processed stone Cut or processed stone Cut or processed stone Adhesive, sealant, elastomer, water proofing,	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00 13,381.75 2,580.73 655.00 7,105.00 953.71
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clear Image DCP GulfCoast	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,826.44 2,340.00 5,130.47 5,787.00 5,787.00 13,381.75 2,580.33 400.18 1,008.00 7,105.00 7,105.00 953.71 538.44 1,292.00
Clark Dietrich CCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clear Image DCP GulfCoast Perry Roofing	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Aggregate/gravel Wood - Manufactured/compressed wood Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,278.00 524.30 400.18 1,088.00 13,381.75 2,580.73 555.00 953.71 538.40 1,328.00 953.71 538.40 1,282.00 953.71 538.40 1,282.00 300.00 300.00
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clark Dietrich Clear Image DCP GufCoast Perry Roofing Home Depot	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel Wood - Manufactured/compressed wood Cut or processed stone Wood - Natural Lumber	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 524.30 400.18 1,008.00
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clear Image DCP GuffCoast Perry Roofing Home Depot Cubic Transportation Systems Cubic Transportation Systems	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Qut or processed stone Cut or processed stone Cut or processed stone Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel Wood - Manufactured/compressed wood Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 5,787.00 5,787.00 13,381.75 2,580.73 655.00 7,105.00 953.71 1,292.00 300.00 2,73.96 2,41,200.00 4,380.
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clear Image DCP GufCoast Perry Roofing Home Depot Cubic Transportation Systems	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Qut or processed stone Cut or processed stone Cut or processed stone Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel Wood - Manufactured/compressed wood Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.33 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 54.33 400.18 1,008.00 13,381.75 2,580.77 655.00 7,105.00 955.371 538.44 1,292.00 300.00 273.96 24,120.00 4,380.00 4,580.
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clear Image DCP GuffCoast Perry Roofing Home Depot Cubic Transportation Systems Cubic Transportation Systems	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Qut or processed stone Cut or processed stone Cut or processed stone Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel Wood - Manufactured/compressed wood Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.33 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 54.33 400.18 1,008.00 13,381.75 2,580.77 655.00 7,105.00 955.371 538.44 1,292.00 300.00 273.96 24,120.00 4,380.00 4,580.
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clear Image DCP GuffCoast Perry Roofing Home Depot Cubic Transportation Systems Cubic Transportation Systems	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Qut or processed stone Cut or processed stone Cut or processed stone Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel Wood - Manufactured/compressed wood Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655.00 1,907.36 17,116.20 1,626.44 2,340.00 5,130.47 5,787.00 5,787.00 5,787.00 5,787.00 13,381.75 2,580.73 655.00 7,105.00 9,337.71 5,38.40 1,292.00 300.00 273.99 24,120.00
Clark Dietrich GCP Applied Technologies Ludowici University of Florida Sherwin Williams Dow Hutchinson Welding Perry Roofing Perry Roofing Master Builders Solutions Kawneer Amerimix DuPont Clark Dietrich Clear Image DCP GuffCoast Perry Roofing Home Depot Cubic Transportation Systems Cubic Transportation Systems	Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Paint or coating Adhesive, sealant, elastomer, water proofing, Cut or processed stone Qut or processed stone Cut or processed stone Cut or processed stone Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adhesive, sealant, elastomer, water proofing, Cut or processed stone Adgregate/gravel Wood - Manufactured/compressed wood Cut or processed stone	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20,655 1,907 17,116 1,626 2,340 5,130 5,787 524 400 1,008 13,381 1,008 655 7,105 953 5388 1,292 300 273 24,120 4,380
	Sanderson Pipe Corporation Sanderson Pipe Corporation Rain Bird Corporation Hunter Industries Rain Bird Corporation Hunter Industries Rain Bird Corporation NDS Spring Precast Oldcastle Infrastructure JM Eagle & Sanderson Pipe Home Depot Home Depot Home Depot Max-R HD Whitecap Elixson Wood Products Holt Metals Barry Pattern & Foundry, Inc Handi Hut Sternberg Lighting Peak Racks Landscape Forms Keystone Ridge Designs Sesco S	Sanderson Pipe Corporation Pipe, hose, or irrigation equipment Sanderson Pipe Corporation Pipe, hose, or irrigation equipment Rain Bird Corporation Pipe, hose, or irrigation equipment Rain Bird Corporation Pipe, hose, or irrigation equipment Hanter Industries Pipe, hose, or irrigation equipment Rain Bird Corporation Pipe, hose, or irrigation equipment NDS Pipe, hose, or irrigation equipment Spring Precast Concrete Oldcastle Infrastructure Concrete Voad - Natural Lumber Home Depot More Depot Wood - Natural Lumber Horne Depot Wood - Natural Lumber Home Depot Concrete Elisson Wood Products Mulch - other Hot Metals Cut or processed stone Barry Pattern & Foundry, Inc Cut or processed stone Sternberg Lighting Conduit, wiring, and electrical equipment Sesco Conduit, wiring, and electrical equipment	Sanderson Pipe Corporation Pipe, hose, or irrigation equipment \$ Sanderson Pipe Corporation Pipe, hose, or irrigation equipment \$ Rain Bird Corporation Pipe, hose, or irrigation equipment \$ Rain Bird Corporation Pipe, hose, or irrigation equipment \$ Rain Bird Corporation Pipe, hose, or irrigation equipment \$ Rain Bird Corporation Pipe, hose, or irrigation equipment \$ Spring Precast Concrete \$ Oldcastle Infrastructure Concrete \$ JM Eagle & Sanderson Pipe Pipe, hose, or irrigation equipment \$ Home Depot Wood - Natural Lumber \$ Home Depot Wood - Natural Lumber \$ Hotme Eapot Concrete \$ Elixson Wood Products Mulch - other \$ Hoth Metals Cut or processed stone \$ Barry Pattern & Foundly, Inc Cut or processed stone \$ Stemberg Lighting Conduit, wiring, and electrical equipment \$ Sesco Conduit, wiring, and electrical equipment \$ Ses

Y	20.00%		\$	459.1
Y	1.00%		\$	3.8
Y	1.00%		\$	5.7
Y	20.00%		\$	23.9
Ŷ	20.00%		\$	8.0
Y	20.0070	65.00%	\$	7.0
Y	20.00%	00.0076	\$	161.6
Y	20.0070	3.00%	\$	1.2
	10.00%	3.00%	-	
Y			\$	488.2
Y	10.00%	05.000/	\$	5,502.3
Y		95.00%	\$	85,052.5
N				N/A
N				N/A
N				N/A
Y	82.00%	15.00%	\$	26,581.5
Y			\$	-
Y	10.00%		\$	231.1
Y			\$	-
Y			\$	-
Y	60.00%		\$	28,236.0
Y			\$.,
Y			\$	
Y			\$	
Y			э \$	
				-
Y			\$	-
Y	25.00%		\$	8,173.5
Y			\$	-
Y			\$	-
Y			\$	-
Y			\$	-
Y			\$	-
Ν				N/A
Y			\$	
N	15.00%	65.00%	Ŷ	N/A
Y	30.00%	03.0070	\$	149.1
Y	95.00%		-	3,265.1
	95.00%	50.000/	\$	
Y		50.00%	\$	1,265.2
Y		10.00%	\$	183.9
N			-	N/A
Y			\$	-
Y	24.30%	9.40%	\$	5,989.9
Y			\$	-
Y	3.00%		\$	513.4
Y			\$	-
Y			\$	
Y			\$	-
Y	95.00%		\$	5,497.6
Ŷ			\$	
Y	95.00%		\$	380.1
Y	95.00%		\$	957.6
Y	33.00 /0	50.00%	э \$	3,345.4
Y		50.00%	э \$	3,345.4
			\$	
N				N/A
Y	24.30%	9.40%	\$	2,060.4
Y			\$	
Y			\$	
Y	95.00%		\$	1,227.4
Y	95.00%		\$	285.0
N				N/A
Y			\$	-
Y			\$	-
Total recycle	ed materials cost			424,713.0
Total materi	als cost (less ineligible	product and	\$	1,035,386.3
	aterials cost) ycled materials (%)		-	41.02%

CREDIT 5.6 Use REGIONAL MATERIALS

Narrative

Goal: 5 points

All materials listed represent the total scope of work for the Northwest Gateway, part of the UF Landscape Master Plan project. This list was updated to include all material ordered & installed for the project whether they complied with the SITES standards or not as well as confirming wood products from threatened tree species weren't used, as directed by the preliminary review. A big portion of each site's total cost value is related to labor since there was a lot of demolition needed & masonry work which is labor intensive, hence why values are lower than average.

All new plantings/mulch are taken from the farm where they were grown, hence why these values are reflected the same. All raw materials/additives taken directly from quarry, hence why extraction & manufacturing distances are the same. All salvaged/ reused material from the University of Florida's campus show 0 miles for both extraction & manufacturing since they were already located on site. Any items that did not fall in the range of compliance reflect same distances because they did not comply with credit. All other items listed were revised to show more accurate data for manufacturing & extraction distances with the exception of 1 material which states the same distance for both manufacturing & extracting:

Cherokee Brick – Website states that both of their facilities are over 1 million square feet & are located on 6,000 acres that
extract & manufacture their brick from (https://www.cherokeebrick.com/our-capabilities)

Materials Worksheet

SITES[®] v2 Materials Worksheet C5.4: REUSE SALVAGED MATERIALS AND PLANTS C5.5: USE RECYCLED CONTENT MATERIALS C5.6: USE REGIONAL MATERIALS

INSTRUCTIONS: 1. Enter applicable information for each material under each credit. Percentages are based on cost or replacement value.

MATERIALS IDENTIFICATION (from Materials List tab)			
Description of Material	Manufacturer or Supplier Name	Material/Product Type	Total Cost of Material
River Birch	Cherry Lake Tree Farm	Plant	\$ 740.0
Crape Myrtle	Cherry Lake Tree Farm	Plant	\$ 1,295.0
Longleaf Pine	Half Moon Growers	Plant	\$ 2,035.0
Chickasaw Plum	Half Moon Growers	Plant	\$ 660.0
Oak Trees	Cherry Lake Tree Farm	Plant	\$ 2,405.0
Muhly Grass	Cherry Lake Tree Farm	Plant	\$ 4,140.0
Podocarpus	Cherry Lake Tree Farm	Plant	\$ 1,590.0
Azaleas	Cherry Lake Tree Farm	Plant	\$ 1,335.0
Lilies	Cherry Lake Tree Farm	Plant	\$ 1,020.0
Liriope	Cherry Lake Tree Farm	Plant	\$ 5,728.0
Jasmine	Rode Groundcovers, Inc	Plant Mulch - other	\$ 2,376.0
Pinestraw	University of Florida	Plant	\$ 1,500.0
Swamp Chestnut Oak	Half Moon Growers	Plant	\$ 80.0
Knockout Roses Sabal Palm- 20' OA Height	Blooming House Nursery TNT Nursery	Plant	\$ 150.0 \$ 1,440.0
Lily of the Nile	University of Florida	Plant	\$ 1,440.0 \$ 390.0
Dogwood 3"	University of Florida	Wood - Natural Lumber	
	contraction of the state		\$ 100.0
2 Tier Recycling Station	University of Florida	Wood - Manufactured/compressed wood	\$ 9,105.0
Precast Concrete Benches	University of Florida	Concrete	\$ 6,400.0
Light Fixtures	University of Florida	Lighting	\$ 25,900.0
Bollards	University of Florida	Non-wood decking, railing, fencing, trellises, or	\$ 5,450.0
TAPS Signage	University of Florida	Cut or processed stone	\$ 1,000.0
Gate Arms & Mechanical Elements	University of Florida	Conduit, wiring, and electrical equipment	\$ 12,500.0
Historical Monument	University of Florida	Cut or processed stone	\$ 2,000.0
Bicycle Repair Station	University of Florida	Cut or processed stone	\$ 1,800.0
Existing Backflow Preventor - Double Check Gate Valve	University of Florida	Pipe, hose, or irrigation equipment	\$ 15,000.0
Double Bicycle Racks	University of Florida	Cut or processed stone	\$ 2,200.0
Concrete/Wood Benches CMU Block - 8x8x16	University of Florida Bell Concrete Products	Concrete	\$ 1,700.0
CMU Block - 8x8x16	Bell Concrete Products	Brick or masonry unit Brick or masonry unit	\$ 1,911.0 \$ 127.0
Brick - 3-5/8" x 2-1/4" x 7-5/8"	Cherokee	Brick of masonry unit	\$ 6,439.5
Mortar	Spec Mix	Concrete	\$ 0,439.5 \$ 2,349.0
Concrete - 3000 CMG Cell Fill	CEMEX	Concrete	\$ 4,200.0
Bahia	Tater Farms	Sod	\$ 187.2
Zoysia	Woerner Farms	Sod	\$ 811.8
Concrete - 4,000 PSI Mix	SRM Concrete	Concrete	\$ 212,052.0
Asphalt	Anderson Columbia	Other materials or base course layers	\$ 27,900.0
Welded Wire Fabric	HD Whitecap	Concrete	\$ 2,708.3
Limerock	Limerock Industries	Other materials or base course layers	\$ 24,550.0
Pavers- ADA Pavers Red Rustic	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 1,749.6
Pavers- PH Rumbled Full Range HD	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 106,080.0
Pavers- PH Pathway 4x8 FullRange HD	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 24,043.5
Pavers- PH Coco HD	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 4,140.0
Pavers - PH Cocoa	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 219.7
Pavers- PH Pathway 4x8 Full Range	Pine Hall Brick Madison, NC	Brick or masonry unit	\$ 28,851.1
Sand		Sand (if used as a base course material)	\$ 2,242.0
	Osteen Bros, Goldhead, Keystone Heights, FL	Sand (il used as a base course material)	
Cement Edge	Home Depot	Concrete	\$ 308.7
Reclaimed Brick Pavers	Home Depot University of Florida	Concrete Cut or processed stone	\$ 308.7 \$ 6,448.0
Reclaimed Brick Pavers Crushed Concrete	Home Depot University of Florida Watson Construction, Newberry, FL	Concrete Cut or processed stone Concrete	\$ 308.7 \$ 6,448.0 \$ 4,240.0
Reclaimed Brick Pavers Crushed Concrete Metal Edging	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc,	Concrete Cut or processed stone Concrete Other materials or base course layers	\$ 308.7 \$ 6,448.0 \$ 4,240.0 \$ 1,470.0
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment	\$ 308.7 \$ 6,448.0 \$ 4,240.0 \$ 1,470.0 \$ 5,802.1
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment Pipe, hose, or irrigation equipment	\$ 308.7 \$ 6,448.0 \$ 4,240.0 \$ 1,470.0 \$ 5,802.1 \$ 102.2
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ Rotar/Mini Rotor Fixture	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hurter Industries	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment Pipe, hose, or irrigation equipment Pipe, hose, or irrigation equipment	\$ 308.7 \$ 6,448.0 \$ 4,240.0 \$ 1,470.0 \$ 5,802.1 \$ 102.2 \$ 404.4
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ Rotar/Mini Rotor Fixture Electric Rain Bird 150 PEB Valve	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment	\$ 308.7 \$ 6,448.0 \$ 4,240.0 \$ 1,470.0 \$ 5,802.1 \$ 102.2 \$ 404.4 \$ 1,510.2
Reclaimed Brick Pavers Crushed Concrete Metal Edging C1200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ RotarMini Rotor Fixture Electric Rain Bird 150 PEB Valve Rain Bird 1806/1812 RD Spray Fixture	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation Rain Bird Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment Pipe, hose, or irrigati	\$ 308.7 \$ 6,448.0 \$ 4,240.0 \$ 1,470.0 \$ 5,802.1 \$ 102.2 \$ 404.4 \$ 1,510.2 \$ 2,295.9
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PCP/PGJ Rotar/Mini Rotor Fixture Electric Rain Bird 160/R1812 RD Spray Fixture Sch. 40 PVC Sleeve	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation Sanderson Pipe Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment	\$ 308.7 \$ 6,448.0 \$ 4,240.0 \$ 1,470.0 \$ 5,802.1 \$ 102.2 \$ 404.4 \$ 1,510.2 \$ 2,295.9 \$ 385.1
Reclaimed Brick Pavers Crushed Concrete Metal Edging C2200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ Rotar/Mini Rotor Fixture Electric Rain Bird 150 PEB Valve Rain Bird 1806/1812 RD Spray Fixture Sch. 40 PVC Sleeve 2.5" Irrigation Mainline	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hunter Industries Rain Bird Corporation Rain Bird Corporation Sanderson Pipe Corporation Sanderson Pipe Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment Pipe, hose, or irrigati	\$ 308.7 \$ 6,448.0 \$ 4,240.0 \$ 1,470.0 \$ 5,802.1 \$ 102.2 \$ 404.4 \$ 1,510.2 \$ 2,295.9 \$ 385.1 \$ 576.7
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ Rotar/Mini Rotor Fixture Electric Rain Bird 150 PEB Valve Rain Bird 1806/1812 RD Spray Fixture Sch. 40 PVC Sleeve 2-5 ¹ triggation Mainline Mainline Isolation Valves	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hurter Industrises Rain Bird Corporation Sanderson Pipe Corporation Sanderson Pipe Corporation Rain Bird Corporation Rain Bird Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment	\$ 308.7 \$ 6,448.0 \$ 4,240.0 \$ 1,470.0 \$ 5,802.1 \$ 102.2 \$ 404.4 \$ 1,510.2 \$ 2,295.9 \$ 385.1 \$ 576.7 \$ 119.9
Reclaimed Brick Pavers Crushed Concrete Metal Edging C1200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ RotarMini Rotor Fixture Electric Rain Bird 150 PEB Valve Rain Bird 1806/1812 RD Spray Fixture Sch. 40 PVC Sleeve 2.5° Irrigation Mainline Mainline Isolation Valves	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation Sanderson Pipe Corporation Sanderson Pipe Corporation Rain Bird Corporation Rain Bird Corporation Rain Bird Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment	\$ 308.7 \$ 6.449.0 \$ 4.240.0 \$ 1.470.0 \$ 5.802.1 \$ 102.2 \$ 404.4 \$ 1.510.2 \$ 2.295.9 \$ 385.1 \$ 576.7 \$ 119.9 \$ 39.9
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ Rotar/Mini Rotor Fixture Electric Rain Bird 180/812 RD Spray Fixture Sch. 40 PVC Sleeve 2.5' fridgation Mainline Mainline Isolation Valves Mainline Isolation Valves Hunter RP Rotary-Spray Fixture	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hunter Industries Rain Bird Corporation Rain Bird Corporation Sanderson Pipe Corporation Sanderson Pipe Corporation Rain Bird Corporation Rain Bird Corporation Rain Bird Corporation Rain Bird Corporation Hunter Industries	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment Pipe, hose, or irrigati	\$ 308.7 \$ 6.448.0 \$ 4.240.0 \$ 1,470.0 \$ 5.802.1 \$ 102.2 \$ 404.4 \$ 1,510.2 \$ 2,295.9 \$ 385.1 \$ 576.7 \$ 119.9 \$ 399.9 \$ 21.7
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ Rotar/Mini Rotor Fixture Electric Rain Bird 150 PEB Valve Rain Bird 1806/1812 RD Spray Fixture Sch. 40 PVC Sleeve 2.5 frirdgation Mainline Mainline Isolation Valves Mainline Isolation Valves Mainline Isolation Valves Rain Bird ESP Lxme & Station Modular	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation Sanderson Pipe Corporation Sanderson Pipe Corporation Rain Bird Corporation Rain Bird Corporation Rain Bird Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment Pipe, hose, or irrigati	\$ 308.7 \$ 6.448.0 \$ 4,240.0 \$ 1,470.0 \$ 5.802.1 \$ 1022 \$ 404.4 \$ 1,510.2 \$ 2,295.9 \$ 385.1 \$ 576.7 \$ 119.9 \$ 389.9 \$ 39.9 \$ 21.7 \$ 808.3
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ Rotar/Mini Rotor Fixture Electric Rain Bird 150 PEB Valve Rain Bird 1806/1812 RD Spray Fixture Sch. 40 PVC Sleeve 2.5' Irrigation Mainline Mainline Isolation Valves Mainline Isolation Valves Hunter RP Rotary-Spray Fixture Rain Bird ESP zmre 8 Station Modular Valve Wire Junction Box	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation Sanderson Pipe Corporation Sanderson Pipe Corporation Rain Bird Corporation Rain Bird Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation Hurter Industries Rain Bird Corporation NDS	Concrete Cut or processed stone Concrete Concrete Concrete Other materials or base course layers Pipe, hose, or irrigation equipment Pipe,	\$ 308.7 \$ 6.448.0 \$ 4,240.0 \$ 1,470.0 \$ 5,802.1 \$ 102.2 \$ 404.4 \$ 1,510.2 \$ 2,295.9 \$ 385.1 \$ 576.7 \$ 119.9 \$ 39.9 \$ 2,27.5 \$ 39.9 \$ 39.9 \$ 2,27.5 \$ 39.9 \$ 30.9 \$
Reclaimed Brick Pavers Crushed Concrete Metal Edging CL200 Purple PVC Lateral Line Rain Bird 1401 Flood Bubbler Hunter PGP/PGJ Rotar/Mini Rotor Fixture Electric Rain Bird 150 PEB Valve Rain Bird 1806/1812 RD Spray Fixture Sch. 40 PVC Sleeve 2.5 frirdgation Mainline Mainline Isolation Valves Mainline Isolation Valves Mainline Isolation Valves Rain Bird ESP Lxme & Station Modular	Home Depot University of Florida Watson Construction, Newberry, FL Permaloc, Sanderson Pipe Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation Sanderson Pipe Corporation Sanderson Pipe Corporation Rain Bird Corporation Rain Bird Corporation Rain Bird Corporation Rain Bird Corporation Hurter Industries Rain Bird Corporation	Concrete Cut or processed stone Concrete Other materials or base course layers Pipe, hose, or irrigation equipment Pipe, hose, or irrigati	\$ 308.7 \$ 6.448.0 \$ 4,240.0 \$ 1,470.0 \$ 5.802.1 \$ 1022 \$ 404.4 \$ 1,510.2 \$ 2,295.9 \$ 385.1 \$ 576.7 \$ 119.9 \$ 389.9 \$ 39.9 \$ 21.7 \$ 808.3

Maximum	Manufacturer	F () ()		TILO
Allowable	Supplier	Extraction Distance	Percent Weight Regional	Total Cost of Regional
Distance	Distance	(miles)	(%)	Materials
(miles)	(miles)			
250.00	90.00	90.00	100.00%	\$ 740
250.00	90.00	90.00	100.00%	\$ 1,295
250.00	20.00	20.00	100.00%	\$ 2,035
250.00	20.00	20.00	100.00%	\$ 660
250.00	90.00	90.00	100.00%	\$ 2,405
250.00	90.00	90.00	100.00%	\$ 4,140
250.00 250.00	90.00 90.00	90.00 90.00	100.00% 100.00%	\$ 1,590 \$ 1,335
250.00	90.00	90.00	100.00%	\$ 1,020
250.00	90.00	90.00	100.00%	\$ 5,728
250.00	25.00	25.00	100.00%	\$ 2,376
50.00	0.00	0.00	100.00%	\$ 1,500
250.00	20.00	20.00	100.00%	\$ 80
250.00	10.00	10.00	100.00%	\$ 150
250.00	8.00	8.00	100.00%	\$ 1,440
250.00	0.00	0.00	100.00%	\$ 390
500.00	0.00	0.00	100.00%	\$ 100
500.00	0.00	0.00	100.00%	\$ 9,105
500.00	0.00	0.00	100.00%	\$ 6,400
500.00	0.00	0.00	100.00%	\$ 25,900
500.00	0.00	0.00	100.00%	\$ 5,450
50.00	0.00	0.00	100.00%	\$ 1,000
500.00 50.00	0.00	0.00	100.00%	\$ 12,500 \$ 2,000
50.00	0.00	0.00	100.00%	\$ 2,000
500.00	0.00	0.00	100.00%	\$ 15,000
50.00	0.00	0.00	100.00%	\$ 2,200
500.00	0.00	0.00	100.00%	\$ 1,700 \$ 1,911
500.00 500.00	39.00 39.00	23.00 23.00	100.00%	\$ 1,911 \$ 127
500.00	252.00	252.00	100.00%	\$ 6,439
500.00	6.00	59.00	100.00%	\$ 2,349
500.00	3.00	54.00	100.00%	\$ 4,200
250.00	50.00	50.00	100.00%	\$ 187
250.00	20.00	20.00	100.00%	\$ 811
500.00	4.00	57.00	100.00%	\$ 212,052
500.00	48.00	34.00	100.00%	\$ 27,900
500.00	8.00	76.00	100.00%	\$ 2,708 \$ 24,550
500.00 500.00	13.00 483.00	13.00 451.00	100.00% 100.00%	\$ 24,550 \$ 1,749
500.00	483.00	451.00	100.00%	\$ 106,080
500.00	483.00	451.00	100.00%	\$ 24,043
500.00	483.00	451.00	100.00%	\$ 4,140
500.00	483.00	451.00	100.00%	\$ 219
500.00	483.00	451.00	100.00%	\$ 28,851
500.00	2.00	2.00	100.00%	\$ 2,242
500.00	10.00	276.00	100.00%	\$ 308
50.00 500.00	0.00	0.00	100.00% 100.00%	\$ 6,448 \$ 4,240
500.00	935.00	935.00	0.00%	\$ 4,240
500.00	42.00	165.00	100.00%	\$ 5,802
500.00	427.00	372.00	100.00%	\$ 102
500.00	1,021.00	1,021.00	100.00%	\$
500.00	427.00	372.00	100.00%	\$ 1,510
500.00	427.00	372.00	100.00%	\$ 2,295
500.00	42.00	165.00	100.00%	\$ 385
500.00	42.00	165.00	100.00%	\$ 576
500.00	427.00	372.00	100.00%	\$ 119
500.00 500.00	427.00 86.00	372.00 86.00	100.00% 100.00%	\$ 39 \$ 21
500.00	427.00	372.00	100.00%	\$ 808
500.00	849.00	849.00	100.00%	\$
500.00	203.00	265.00	100.00%	\$ 4,882
500.00	66.00	446.00	100.00%	\$ 55,023
500.00	127.00	42.00	100.00%	\$ 179,058



1" x 4" Wood Forms	Home Depot	Wood - Natural Lumber	\$	84.50
2" x 6" Wood Forms	Home Depot	Wood - Natural Lumber	\$	172.00
3-Tier Recycling Station	Max-R	Wood - Manufactured/compressed wood	\$	4,884.00
Rebar	HD Whitecap	Concrete	\$	29,700.00
Pinestraw	Elixson Wood Products	Mulch - other	\$	3,000.00
Steel Plate	Holt Metals	Cut or processed stone	\$	2,311.20
Gatehouse Roof Drains	Barry Pattern & Foundry, Inc	Cut or processed stone	\$	2,010.16
Bike Shelter	Handi Hut	Cut or processed stone	\$	10,223.00
Bollards	Sternberg Lighting	Conduit, wiring, and electrical equipment	\$	47,060.00
Bike Racks	Peak Racks	Cut or processed stone	\$	2,361.00
Mingle Seating	Landscape Forms	Cut or processed stone	\$	27,934.62
Benches	Keystone Ridge Designs	Cut or processed stone	\$	32,893.75
Switchgear	Sesco	Conduit, wiring, and electrical equipment	\$	1,374.27
Fixtures	Sesco	Lighting	\$	5,751.87
Conduit & Fittings	Sesco	Conduit, wiring, and electrical equipment	\$	32,694.27
Wire	Sesco	Conduit, wiring, and electrical equipment	\$	2,634.27
Temp Power	Sesco	Conduit, wiring, and electrical equipment	\$	834.27
Pole Bases	Sesco	Conduit, wiring, and electrical equipment	\$	9.834.27
Lighting Controls	Sesco	Conduit, wiring, and electrical equipment	\$	114.27
LG Mini Split	LG	Conduit, wiring, and electrical equipment	\$	4.600.00
Casework	OEC	Wood - Manufactured/compressed wood	\$	3,270.00
Solid Surface Window Sills	Rainbow Cabinets	Cut or processed stone	\$	727.20
ACT Tile	Armstrong	Wood - Manufactured/compressed wood	\$	1,350.00
ACT Suspension System	Armstrong	Cut or processed stone	\$	497.00
Glazing	Vitro	Sand (for purposes other than soil amendment	\$	3,437.00
Doors & Hardware	Kawneer	Cut or processed stone	\$	5.061.00
Ceramic Floor Tile	Garden State Tile	Cut or processed stone	\$	3,679.00
Drywall	CertainTeed	Wood - Manufactured/compressed wood	\$	1,295.00
Spray Foam Insulation	Huntsman Building Solutions	Extruded, spray or board foams	\$	2,660.00
Steel Trusses	Clark Dietrich	Cut or processed stone	\$	20,655.00
Ice & Water Shield Roof Underlayment	GCP Applied Technologies	Adhesive, sealant, elastomer, water proofing,	\$ \$	1,907.36
Clay Roof Tiles	Ludowici	Cut or processed stone	\$ \$	17,116.20
Clay Roof Tiles	University of Florida	Cut or processed stone	\$ \$	1,626.44
Interior Paint	Sherwin Williams	Paint or coating	э \$	2,340.00
Joint Sealant	Dow	Adhesive, sealant, elastomer, water proofing,	э \$	2,340.00
ADA Handrails	Hutchinson Welding	Cut or processed stone	۵ ۶	5,787.00
Copper Flashing	Perry Roofing	Cut or processed stone	۵ ۶	5,787.00
Break Metal	Perry Roofing	Cut or processed stone		
	Master Builders Solutions		\$ \$	400.18
Dampproofing Storefront	Master Builders Solutions Kawneer	Adhesive, sealant, elastomer, water proofing,		1,008.00
		Cut or processed stone	\$	13,381.75
Stucco	Amerimix	Aggregate/gravel	\$	2,580.73
Insulation	DuPont	Wood - Manufactured/compressed wood	\$	655.00
Wall Framing	Clark Dietrich	Cut or processed stone	\$	7,105.00
Building Signage	Clear Image	Cut or processed stone	\$	953.71
Repelicone W	DCP	Adhesive, sealant, elastomer, water proofing,	\$	538.40
Metal Roofing	GulfCoast	Cut or processed stone	\$	1,292.00
Gutter & Drip Edge	Perry Roofing	Cut or processed stone	\$	300.00
Roof Underlayment	Home Depot	Wood - Natural Lumber	\$	273.96
Traffic Camera & Controller	Cubic Transportation Systems	Conduit, wiring, and electrical equipment	\$	24,120.00
	Cubic Transportation Systems	Conduit, wiring, and electrical equipment	\$	4,380.00
Pedestrian Detector & Signal Total materials cost (from Introducti				

	10.00	46.00	100.00%	¢	84.50
500.00 500.00	10.00	46.00	100.00%	\$	172.00
500.00	1,162.00	1,162.00	0.00%	\$	172.00
500.00	68.00	114.00	100.00%	\$	29,700.00
50.00	25.00	25.00	100.00%	\$	3,000.00
50.00	5.00	44.00	100.00%	\$	2,311.2
50.00	477.00	477.00	100.00%	\$	2,311.20
50.00	1,014.00	1,014.00	100.00%	\$	
500.00	1,014.00	1,014.00	100.00%	۵ ۶	-
50.00	2,577.00	2,577.00	100.00%	\$	
50.00	1,086.00	1,086.00	100.00%	\$	
50.00	942.00	942.00	100.0078	\$	
500.00	80.00	231.00	100.00%	\$	1,374.2
500.00	80.00	231.00	100.00%	\$	5,751.8
500.00	80.00	231.00	100.00%	\$	32,694.2
500.00	80.00	231.00	100.00%	۵ ۶	
500.00	80.00	231.00	100.00%	۵ ۶	2,634.2
				_	
500.00	80.00	231.00	100.00%	\$	9,834.2
500.00	80.00	231.00	100.00%	\$	114.2
500.00	625.00	625.00	100.00%	\$	-
500.00	23.00	67.00	100.00%	\$	3,270.0
50.00	40.00	45.00	100.00%	\$	727.2
500.00	250.00	212.00	100.00%	\$	1,350.0
50.00	250.00	212.00	100.00%	\$	· ·
500.00	2,536.00	2,536.00	100.00%	\$	-
50.00	111.00	111.00	100.00%	\$	-
50.00	203.00	203.00	100.00%	\$	-
500.00	2,216.00	2,216.00	100.00%	\$	-
500.00	1,000.00	1,000.00	100.00%	\$	-
50.00	88.00	88.00	100.00%	\$	-
500.00	99.00	169.00	100.00%	\$	1,907.3
50.00	848.00	848.00	100.00%	\$	-
50.00	0.00	0.00	100.00%	\$	1,626.4
500.00	115.00	142.00	100.00%	\$	2,340.0
500.00	707.00	707.00	100.00%	\$	-
50.00	42.00	37.00	100.00%	\$	5,787.0
50.00	6.00	43.00	100.00%	\$	524.3
50.00	6.00	43.00	100.00%	\$	400.1
500.00	1,732.00	1,732.00	100.00%	\$	-
50.00	111.00	111.00	100.00%	\$	-
50.00	125.00	125.00	100.00%	\$	-
500.00	355.00	314.00	100.00%	\$	655.0
50.00	98.00	98.00	100.00%	\$	-
50.00	6.00	25.00	100.00%	\$	953.7
500.00	421.00	384.00	100.00%	\$	538.4
50.00	10.00	10.00	100.00%	\$	1,292.0
50.00	6.00	43.00	100.00%	\$	300.0
500.00	10.00	55.00	100.00%	\$	273.9
500.00	452.00	466.00	100.00%	\$	24,120.0
500.00	452.00	466.00	100.00%	\$	4,380.0
Total regional ma				\$	961,174.4
Total materials co	\$	1,178,701.4			

NOTE: Soil, Mulch, Soil amendments, Aggregate, Natural rocks and boulders must be extracted and manufactured within 50 miles. Plants and sod must be grown within 250 miles.

CREDIT 5.7 | SUPPORT RESPONSIBLE EXTRACTION OF RAW MATERIALS

Materials Worksheet

Goal: 1 points

SITES[®] v2 Materials Worksheet

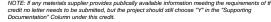
C5.7: SUPPORT RESPONSIBLE EXTRACTION OF RAW MATERIALS

INSTRUCTIONS:

1. Only the product types listed in the Reference Guide are eligible for this credit. If any materials supplier provides publically available information meeting the requirements of this credit no letter needs to be submitted, but the project should still choose "V" in the "Supporting Documentation" and "Option 1 Letter Sent" Columns under this credit.

bar bar <th></th> <th></th> <th>d "Option 1 Letter Sent" Columns under this</th> <th>credit.</th> <th>Broduct Eligibility</th> <th>,</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>			d "Option 1 Letter Sent" Columns under this	credit.	Broduct Eligibility	,							
brancebran		ATERIALS IDENTIFIC	ATION (from Materials List tab)		Product Eligibility	·				Option 3 only:	Option 1	Total Cost	
	Description of Material				Recycled	Material Eligibility		Option		Percent Weight Responsibly Extracted	Letter Sent (Y or	of Option 2	Total Cost of Option 3 Materials
	River Birch				N								
Max													
	Oak Trees												
Name </td <td>Muhly Grass</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>. ,</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Muhly Grass						. ,						
math <td>Podocarpus</td> <td></td> <td>Plant</td> <td></td> <td>N</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Podocarpus		Plant		N								
mp<mp <th< td=""><td>Azaleas</td><td>Cherry Lake Tree Farm</td><td></td><td>N</td><td>N</td><td>N</td><td>\$ 1,335.00</td><td></td><td></td><td></td><td></td><td>N/A</td><td></td></th<>	Azaleas	Cherry Lake Tree Farm		N	N	N	\$ 1,335.00					N/A	
symbol <td>Lilies</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>* .,=====</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Lilies						* .,=====						
memepicture	Liriope												
basisstartsty <td></td> <td></td> <td></td> <td>N</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>				N									
SolutionSimulation<				ř V									
bit b				Y									
MathemMath	Sabal Palm- 20' OA Height			Y									
InterpretationInter	Lily of the Nile	University of Florida	Plant	Y		N	\$ 390.00						N/A
mach depundmach orgmath orgmat	Dogwood 3"	University of Florida	Wood - Natural Lumber	Y	N	Y	\$ 100.00					N/A	
dip dip< dip< dip< dip	2 Tier Recycling Station						,						
blackSindy of the set of the	Precast Concrete Benches												
MAD SympolyMembry of May of May and Mark Mark Mark Mark Mark Mark Mark Mark													
gal num Solution (all value) addiction (all value) Y N Y N N N							,						
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Bioche ShallowNorway of Norway ShallowNorway of Norway ShallowNorway S	Historical Monument												
stand <th< td=""><td>Bicycle Repair Station</td><td></td><td></td><td>Y</td><td></td><td>Y</td><td>\$ 1,800.00</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Bicycle Repair Station			Y		Y	\$ 1,800.00						
Socener boundsNormany of the socene soc	Existing Backflow Preventor - Double	University of Florida	Pipe, hose, or irrigation equipment	Y		Y	\$ 15,000.00					N/A	N/A
DAIR Box - benchmarkSind and and a sector of the sector of t	Double Bicycle Racks		Cut or processed stone	Y	N	Y							
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MathSpecial SolutionSpecial Solution					1								
symmetry of all of a	Mortar										Y		-
ShahImpring StringSolutionNoNNN	Concrete - 3000 CMG Cell Fill												
Society AdditionBND CorrentDecisionNNN<	Bahia	Tater Farms	Sod			N						N/A	N/A
sphaleAdvance ColumbOpen makedia to account yonsNN <td>Zoysia</td> <td>Woerner Farms</td> <td>Sod</td> <td>N</td> <td>N</td> <td>N</td> <td>\$ 811.85</td> <td></td> <td></td> <td></td> <td></td> <td>N/A</td> <td>N/A</td>	Zoysia	Woerner Farms	Sod	N	N	N	\$ 811.85					N/A	N/A
NameNumber	Concrete - 4,000 PSI Mix										Y	\$-	\$-
InterviewInterviewInterviewNYYS2.4.0.00(m) <t< td=""><td></td><td></td><td></td><td></td><td></td><td>-</td><td>. ,</td><td></td><td></td><td></td><td></td><td>N/A</td><td>N/A</td></t<>						-	. ,					N/A	N/A
Name Parter Name						-	. ,				Y	\$ -	\$ -
Parts-Pirklandset Markadan anser-Pirklandset Markadan 													
Name-PH Calles of Markanov, Bick or macroy unit N Y Y \$ 2,40,030 Image Mode Mo						-	. ,						
syms Price Pric Price Price P	Pavers- PH Pathway 4x8 FullRange HD	Pine Hall Brick Madison,	Brick or masonry unit		Y	Y	,						
Parter Price Hall Inst. Madaxa, Bink a manory unit N Y	Pavers- PH Coco HD	Pine Hall Brick Madison,	Brick or masonry unit	N	Y	Y	\$ 4,140.00					N/A	N/A
Samt fig Meen Box, Gordmal, Samt Gutes is abse Course miterial N Y <td>Pavers - PH Cocoa</td> <td>,</td> <td></td> <td></td> <td>Y</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Pavers - PH Cocoa	,			Y								
Jament EdgeHome DegrDownship of PointConverteNNYSSSNNNNDanhade ConcreteWatson ConstructionConverteNNNYSSSNNN <t< td=""><td></td><td></td><td></td><td></td><td></td><td>Y</td><td>,</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>						Y	,						
Neersing Oke Paries Neersing Optimit Optimity Optimity Network Y S 0.440.00 N Y S 0.440.00 Y S 0.400 Y S S C						Y			-			N/A	-
Dashed Convention Wasen Construction, bare Edging Permission Other materials base course layers and Edging Permission Other materials base course layers and the Edging Permission P											Ŷ	\$ -	÷
Mean Edging Permator: Other materials or base course layers N Y Y S 1,470.00 Image: Constraint of the source layers N N N Y Y S 1,470.00 Image: Constraint of the source layers N N Y S 500.00 Y S											v	S .	
ZLOD Purple V/C Lateral Lund Sandarson Pipe Pipe, hose, or imgation equipment N N Y \$ 5, 502.16 O Pipe, hose, or imgation equipment N N Y \$ 5, 022.10 V \$ 0 S <	Metal Edging											N/A	÷
under PDPG / RoartMin Rober Flux Num Y \$ 484.40 P Y \$ S S Electric Rain Bird Stor Flux Rain Bird Scopeation Ppe, hose, or imgation equipment N N Y \$	CL200 Purple PVC Lateral Line	Sanderson Pipe	Pipe, hose, or irrigation equipment		N	Y					Y	s -	\$-
Institute Dref Dref Dref Rain Bird Corporation Pipe. hose, or imgation equipment N Y \$ 1.51.20 (mod) (mod) Y \$. \$ \$ <	Rain Bird 1401 Flood Bubbler	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N	N	Y	\$ 102.22				Y	\$-	\$-
Nam Bird Corporation Pipe, hose, or inigation equipment N N Y \$ 2.388.51 C Y \$	Hunter PGP/PGJ Rotar/Mini Rotor Fixture											\$ -	
Sch. 40 PC Sleven Sanderson Pipe Pipe, hose, or imgation equipment N N Y \$ 385.13 O Y \$ \$ 2.5 Imgation Mainline Sanderson Pipe Pipe, hose, or imgation equipment Y N Y \$ 576.70 O NA NA NA Mainline Isolation Valves Rain Bird Corporation Pipe, hose, or imgation equipment Y N Y \$ 119.94 NA NA NA Mainline Isolation Valves Rain Bird Corporation Pipe, hose, or imgation equipment N N N Y \$ 33.98 Y \$ \$ > > \$ > > \$ > > \$ > > \$ > > \$ > \$ > > \$ > > \$ > > \$ > \$ > > \$ > \$ > > > \$ > > > >							. ,		-			s -	
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Mainline Isolation Valves Rain Bird Corporation Pipe, hose, or infigation equipment N N Y \$ 119.94 Image: Sign of the sign	2.5" Irrigation Mainline					-			1		r	- γ Ν/Δ	*
Maintie Isolation Values Rain Bird Corporation Pipe, hose, or infigation equipment N N Y \$ 39.88 Image Y \$ - \$ 4unter RP Rotary-Spray Floture Hunter Industries Pipe, hose, or infigation equipment N N Y \$ -	Mainline Isolation Valves	Rain Bird Corporation											
Hunter Rotary-Spary Fund Hunter Industries Pipe, hose, or imgation equipment N N Y \$ 21.75 (model) (model) Y \$ S C </td <td>Mainline Isolation Valves</td> <td>Rain Bird Corporation</td> <td>Pipe, hose, or irrigation equipment</td> <td>N</td> <td></td> <td>Y</td> <td>\$ 39.98</td> <td></td> <td></td> <td></td> <td>Y</td> <td>s -</td> <td></td>	Mainline Isolation Valves	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N		Y	\$ 39.98				Y	s -	
Jahe Walunction Box NS Pipe, hose, oringation equipment N N Y S Pipe	Hunter RP Rotary-Spray Fixture					Y					Y	\$ -	\$-
Precast Architectural Concrete Spring Precast Concrete N N Y \$ 4,882.36 O Y \$. \$ Storm Flying Julicaste Infrastructure Concrete N N Y \$ 5,023.50 Y \$. \$ Storm Flying Julicaste Standsron Pice, hose, or infrastion equipment N N Y \$ 7,058.00 Y \$. \$ Y 4 Wood Forms Home Depot Wood - Natural Lumber Y N Y \$ 4450 NA NA NA Y 4 Wood Forms Home Depot Wood - Natural Lumber Y N Y \$ 4450 NA NA NA Terr Recycling Station Max R Wood- Manufactured/compressed wood N N Y \$ 4,884.00 Y \$. \$. \$. Terr Recycling Station Max R Wood- Manufactured/compressed wood N N Y \$ 2,0700.00 Image: Standse Stands	Rain Bird ESP Lxme 8 Station Modular				N	Y					Y	s -	\$-
Stom Storuring Olicastle Infrastructure Concrete N N Y \$ 5,022.50 (m) (m) Y \$ 5,022.50 Stom Piping JM Eagle & Sanderson Pipe, hose, or ingation equipment N N Y \$ 175,058.00 (m) Y \$. <	Valve Wire Junction Box					Y					Y	ş -	
Storm Piping JM Eagle & Sanderson Pipe, hose, or imgation equipment N N Y \$ 170,058.00 O V \$ <					1	Y					Y		
"s 4" Wood Forms Home Depot Wood - Natural Lumber Y N Y 4 460 M M M NA NA 2" x 6" Wood Forms Home Depot Wood - Natural Lumber Y N Y \$ 172.00 M N NA NA 2" x 6" Wood Forms Max R Wood - Manufactured/compressed wood N N Y \$ 4.884.00 M N Y \$ <td></td> <td></td> <td></td> <td></td> <td></td> <td>Y</td> <td>,</td> <td></td> <td></td> <td></td> <td>Y</td> <td></td> <td></td>						Y	,				Y		
Y: 6' Wood Proms Wood - Natural Lumber Y N Y \$ 172.00 Image: Constraint of the second of th						-			1		Ŷ		
Parter Recycling Station Mark Wood - Manufactured/compressed wood N N Y \$ 4,884.00 Om Y \$ 4,884.00 Y \$ 5 .<	2" x 6" Wood Forms												
Behar HD Whitecop Concrete N N Y \$ 2,2700.00 M Y \$ 3,00.00	3-Tier Recycling Station					-			1		Y		
Instant Elison Wood Products Mulch - other N N Y \$ 3,000.00 O Y \$ 4 S - \$ Steel Plate Holt Metals Cut or processed stone N N Y \$ 2,311.20 Y \$ - \$	Rebar	HD Whitecap				Y							
Satehouse Roof Drains Barry Pattern & Foundry. Cut or processed stone N N Y \$ 2,010,16 O Y \$ > 5 Sike Shafter Hand Hut Cut or processed stone N N Y \$ 1,022,300 Y \$ <td>Pinestraw</td> <td>Elixson Wood Products</td> <td>Mulch - other</td> <td>N</td> <td></td> <td>-</td> <td>\$ 3,000.00</td> <td></td> <td></td> <td></td> <td></td> <td>\$ -</td> <td></td>	Pinestraw	Elixson Wood Products	Mulch - other	N		-	\$ 3,000.00					\$ -	
Billes Sheller Handi Hut Cut or processed stone N N Y \$ 10,223.00 Cold Y \$ - \$ 5 5 SoliardS Stemberg Liphting Conduit, wiring, and electrical equipment N N Y \$ 47,060.00 Y \$ - \$	Steel Plate												
Solards Structure Condult, wing, and electrical equipment N N Y \$ 47,060.00 Condult, wing, and electrical equipment N N Y \$ 47,060.00 Condult, wing, and electrical equipment N N Y \$ 47,060.00 Y \$ 5 \$	Gatehouse Roof Drains												
Bilke Racks Cut or processed stone N N Y \$ 2,361.00 O Y \$ - \$ <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>									-				
Mingle Seating Landscape Forms Cut or processed stone N N Y \$ 27,934.62 Other Y \$ - </td <td></td> <td>*</td> <td></td>												*	
Keystone Ridge Cut or processed stone N N Y \$ 32,893.75 M Y \$ - \$ - \$ - \$ > \$ > \$ > \$ > \$ > \$ > \$ > \$ > \$ <												÷	
Switchgear Sesco Conduit, wining, and electrical equipment N N Y \$ 1,374.27 Image: Conduit, wining, and electrical equipment N N Y \$ 1,374.27 Image: Conduit, wining, and electrical equipment N N Y \$ 5,751.87 Y \$ \$ \$ \$ \$ \$	Benches								1				
Explores Sesco Lighting N Y \$ 5,751.87 Omega Y \$ -	Switchgear								1				
	Fixtures						. ,.						
	Conduit & Fittings	Sesco	Conduit, wiring, and electrical equipment	N	N	Y	\$ 32,694.27				Y	\$ -	\$ -

Wire	Sesco	Conduit, wiring, and electrical equipment	N	N	Y	\$ 2,634.27		Y	\$ -	\$	-
Temp Power	Sesco	Conduit, wiring, and electrical equipment	N	N	Y	\$ 834.27		Y	\$-	\$	-
Pole Bases	Sesco	Conduit, wiring, and electrical equipment	N	N	Y	\$ 9,834.27		Y	ş -	\$	
Lighting Controls	Sesco	Conduit, wiring, and electrical equipment	N	N	Y	\$ 114.27		Y	\$-	\$	
LG Mini Split	LG	Conduit, wiring, and electrical equipment	N	N	Y	\$ 4,600.00		Y	\$-	\$	-
Casework	OEC	Wood - Manufactured/compressed wood	N	N	Y	\$ 3,270.00		Y	\$-	\$	-
Solid Surface Window Sills	Rainbow Cabinets	Cut or processed stone	N	N	Y	\$ 727.20		Y	\$-	\$	-
ACT Tile	Armstrong	Wood - Manufactured/compressed wood	N	N	Y	\$ 1,350.00		Y	ş -	\$	-
ACT Suspension System	Armstrong	Cut or processed stone	N	N	Y	\$ 497.00		Y	ş -	\$	
Glazing	Vitro	Sand (for purposes other than soil amendment	N	Y	Y	\$ 3,437.00			N/A		N/A
Doors & Hardware	Kawneer	Cut or processed stone	N	N	Y	\$ 5,061.00		Y	ş -	\$	-
Ceramic Floor Tile	Garden State Tile	Cut or processed stone	N	N	Y	\$ 3,679.00		Y	ş -	\$	
Drywall	CertainTeed	Wood - Manufactured/compressed wood	N	N	Y	\$ 1,295.00		Y	\$-	\$	-
Spray Foam Insulation	Huntsman Building	Extruded, spray or board foams	N	N	Y	\$ 2,660.00		Y	\$-	\$	-
Steel Trusses	Clark Dietrich	Cut or processed stone	N	N	Y	\$ 20,655.00		Y	\$-	\$	-
Ice & Water Shield Roof Underlayment	GCP Applied	Adhesive, sealant, elastomer, water proofing,	N	N	Y	\$ 1,907.36		Y	ş -	\$	
Clay Roof Tiles	Ludowici	Cut or processed stone	N	N	Y	\$ 17,116.20		Y	\$-	\$	-
Clay Roof Tiles	University of Florida	Cut or processed stone	Y	N	Y	\$ 1,626.44			N/A		N/A
Interior Paint	Sherwin Williams	Paint or coating	N	N	Y	\$ 2,340.00		Y	\$-	\$	-
Joint Sealant	Dow	Adhesive, sealant, elastomer, water proofing,	N	N	Y	\$ 5,130.47		Y	ş -	\$	-
ADA Handrails	Hutchinson Welding	Cut or processed stone	N	N	Y	\$ 5,787.00		Y	\$-	\$	-
Copper Flashing	Perry Roofing	Cut or processed stone	N	N	Y	\$ 524.30		Y	\$-	\$	-
Break Metal	Perry Roofing	Cut or processed stone	N	N	Y	\$ 400.18		Y	\$-	\$	-
Dampproofing	Master Builders	Adhesive, sealant, elastomer, water proofing,	N	N	Y	\$ 1,008.00		Y	\$-	\$	-
Storefront	Kawneer	Cut or processed stone	N	N	Y	\$ 13,381.75		Y	\$-	\$	-
Stucco	Amerimix	Aggregate/gravel	N	N	Y	\$ 2,580.73		Y	\$-	\$	-
Insulation	DuPont	Wood - Manufactured/compressed wood	N	N	Y	\$ 655.00		Y	\$-	\$	-
Wall Framing	Clark Dietrich	Cut or processed stone	N	N	Y	\$ 7,105.00		Y	\$-	\$	-
Building Signage	Clear Image	Cut or processed stone	N	N	Y	\$ 953.71		Y	\$-	\$	-
Repelicone W	DCP	Adhesive, sealant, elastomer, water proofing,	N	N	Y	\$ 538.40		Y	ş -	\$	-
Metal Roofing	GulfCoast	Cut or processed stone	N	N	Y	\$ 1,292.00		Y	\$-	\$	-
Gutter & Drip Edge	Perry Roofing	Cut or processed stone	N	N	Y	\$ 300.00		Y	\$-	\$	-
Roof Underlayment	Home Depot	Wood - Natural Lumber	N	N	Y	\$ 273.96		Y	ş -	\$	
Traffic Camera & Controller	Cubic Transportation	Conduit, wiring, and electrical equipment	N	N	Y	\$ 24,120.00		Y	\$-	\$	-
Pedestrian Detector & Signal	Cubic Transportation	Conduit, wiring, and electrical equipment	N	N	Y	\$ 4,380.00		Y	\$-	\$	-
							ce has been met for all products	Yes	s -	s	
						-		(1000)	ۍ د د		-
							t (less ineligible product, salvaged, and recycled materials meeting Option 2 (%)	cost)		\$	825,475.34
							meeting Option 2 (%)			-	0.00%
				NOTE			railable information meeting the requirements of this				0.00%



Advocacy Letters

See apendix C for copies of letters sent. Advocacy letters have been sent to the following list of suppliers/manufacturers:

- Amerimix
- Anderson Columbia
- Armstrong
- Barry Pattern
- Bell Concrete Products
- Cemex
- CertainTeed
- Cherokee Brick
- Clark Dietrich
- Clear Image Signs
- Cubic Transportation
- DCP
- Dow Corning
- DuPont
- Elixson Wood Products
- Garden State Tile
- GCP
- Gulf Coast

- Handi-Hut
- HD Whitecap
- Holt Metals
- Home Depot
- Hunter Industries
- Huntsman Building Solutions
- Hutchinson Welding
- JM Eagle
- Kawneer
- Keystone Ridge Designs
- Landscape Forms
- LG Electronics
- Limerock Industries
- Ludowici
- Master Builders Solutions
- Max-R
- NDS Inc.

- OEC
- Oldcastle infrastructure
- O'Steen Bros
- Peak Racks
- Permaloc
- Perry Roofing
- Pine Hall
- Rain Bird
- Rainbow Cabinets
- Sanderson Pipe
- Sesco Lighting
- Sherwin-Williams
- Spec Mix
- Spring Precast
- SRM Concrete
- Sternberg Lighting
- Watson Construction

CREDIT 5.8 SUPPORT TRANSPARENCY AND SAFER CHEMISTRY

Materials Worksheet

Goal: 1 points

SITES[®] v2 Materials Worksheet

C5.8: SUPPORT TRANSPARENCY AND SAFER CHEMISTRY

INSTRUCTIONS:

1. Only the product types listed in the Reference Guide are eligible for this credit. If any materials supplier provides publically available information the "Supporting Documentation" and "Option 1 Letter Sent" Columns under this credit.

MATERIALS IDENTIFICATION (from Materials List tab)					
Description of Material	Manufacturer or Supplier Name	Material/Product Type	Salvaged or Reused		al Cost of Material
Live Oak	Cherry Lake Tree Farm	Plant	N	\$	185.00
Muhly	Cherry Lake Tree Farm	Plant	N	\$	2,970.00
Azalea	Cherry Lake Tree Farm	Plant	N	\$	2,505.00
Sod	Woerner Farms	Sod	N	\$	4,771.65
Pinestraw	Elixson Wood Products	Mulch - other	N	\$	1,200.00
Pinestraw	University of Florida	Mulch - other	Y	\$	600.00
Holly Fern	University of Florida	Plant	Y	\$	500.00
Liriope	University of Florida	Plant	Y	\$	300.00
Drift Rose	University of Florida	Plant	Y	\$	350.00
Society Garlic	University of Florida	Plant	Y	\$	300.00
2 Tier Recycling Station	University of Florida	Wood - Manufactured/compressed wood product	Y	\$	9,768.00
Precast Benches	University of Florida	Concrete	Y	\$	1,600.00
Reclaimed Brick Paver - 7-7/8" x 3-7/8" x 2-	University of Florida	Brick or masonry unit	Y	\$	3,234.00
Reclaimed Brick Paver - 8" x 4" x 2-1/4"	University of Florida	Brick or masonry unit	Y	\$	1,558.48
Reclaimed Brick Paver - 7-15/16" x 3-7/8" x	University of Florida	Brick or masonry unit	Y	\$	887.04
Reclaimed Brick Paver - 7-1/2" x 4" x 2-	University of Florida	Brick or masonry unit	Y	\$	1,034.88
Reclaimed Brick Paver - 8-1/16" x 4" x 2-	University of Florida	Brick or masonry unit	Y	\$	924.00
Concrete Picnic Table	University of Florida	Concrete	Y	\$	2,000.00
Concrete/Wood Benches	University of Florida	Concrete	Y	\$	850.00
CMU Block - 8x8x16	Bell Concrete Products	Brick or masonry unit	N	\$	4,853.24
CMU Block - 8x4x16	Bell Concrete Products	Brick or masonry unit	N	\$	464.34
Brick - 3-5/8" x 2-1/4" x 7-5/8"	Cherokee	Brick or masonry unit	N	\$	13,246.80
Mortar	Spec Mix	Concrete	N	\$	2,030.00
Concrete - 3000 CMG Cell Fill	CEMEX	Concrete	N	\$	3,500.00
TAPS Signage	University of Florida	Non-wood decking, railing, fencing, trellises, or	N	\$	700.00
Light Poles & Fixtures	University of Florida	Lighting	Y	\$ \$	11,100.00
Brick Pavers - 4x8" HD Full Range	Pine Hall Brick	Brick or masonry unit	N	\$ \$	27,889.11
Sand	Osteen Bros, Goldhead,	Sand (if used as a base course material)	N	\$	2,394.00
Cement Edge	Home Depot	Concrete			-
Crushed Concrete	Watson Construction,	Concrete	N	\$ \$	132.30
Metal Edging	Permaloc,	Other materials or base course layers	N	э \$	1,802.00
Concrete - 4,000 PSI	SRM Concrete	Concrete	N		997.00
Asphalt	Anderson Columbia	Other materials or base course layers		\$ \$	37,857.00
Welded Wire Fabric	HD Whitecap	Concrete	N		17,070.00
Rebar	HD Whitecap	Concrete	N	\$	902.72
Limerock	Limerock Industries	Other materials or base course layers	N	\$	9,900.00
			N	\$	8,185.00
CL200 Purple PVC Lateral Line	Sanderson Pipe	Pipe, hose, or irrigation equipment	N	\$	2,025.56
Rain Bird 1401 Flood Bubbler	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N	\$	5.38
Hunter PGP/PGJ Rotar/Mini Rotor Fixture	Hunter Industries	Pipe, hose, or irrigation equipment	N	\$	323.52
Existing Electric Rain Bird 150 PEB Valve	Rain Bird Corporation	Pipe, hose, or irrigation equipment	Y	\$	629.25
Precast Architectural Concrete	Spring Precast	Concrete	N	\$	6,427.25
Storm Structures	Oldcastle Infrastructure	Concrete	N	\$	12,714.66
Storm Piping	JM Eagle & Sanderson	Pipe, hose, or irrigation equipment	N	\$	52,344.00
1" x 4" Wood Forms	Home Depot	Wood - Natural Lumber	Y	\$	84.50
2" x 6" Wood Forms	Home Depot	Wood - Natural Lumber	Y	\$	172.00
3-Tier Recycling Station	Max-R	Wood - Manufactured/compressed wood product	N	\$	2,442.00
Rain Bird 1806/1812 RD Spray Fixture	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N	\$	547.12
Sch. 40 PVC Sleeve	Sanderson Pipe	Pipe, hose, or irrigation equipment	N	\$	158.00
Bollards	Sternberg Lighting	Non-wood decking, railing, fencing, trellises, or	N	\$	3,270.00
Switchgear	Sesco	Conduit, wiring, and electrical equipment	N	\$	916.18
Fixtures	Sesco	Lighting	N	\$	3,834.58
Conduit & Fittings	Sesco	Conduit, wiring, and electrical equipment	N	\$	21,796.18
Wire	Sesco	Conduit, wiring, and electrical equipment	N	\$	1,756.18
Temp Power	Sesco	Conduit, wiring, and electrical equipment	N	\$	556.18
Pole Bases	Sesco	Conduit, wiring, and electrical equipment	N	\$	6,556.18
Lighting Controls	Sesco	Conduit, wiring, and electrical equipment	N	\$	76.18
Joint Sealant	Dow	Adhesive, sealant, elastomer, water proofing,	N	\$	3,420.31
Dampproofing	Master Builders Solutions	Adhesive, sealant, elastomer, water proofing,	Ν	\$	672.00
Option 1 compliance has been met for a					
Total eligible materials cost (Option 2 a					
Total materials cost (less ineligible prod Percent materials meeting Option 2 (%)	·	naterials COSI)			
Percent materials meeting Option 3 (%)					
0 (4)					

meeting the requirements of this credit no letter needs to be submitted, but the project should still choose "Y" in

Product type is eligible for credit	Option	Supporting Documentation	Option 1 Letter Sent (Y or N)	Total Cost of Option 2 Materials	Total Cost of Option 3 Materials
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
Y			Y	\$ -	N/A
N N				N/A	N/A N/A
N				N/A N/A	N/A N/A
N				N/A	N/A N/A
N				N/A N/A	N/A N/A
N				N/A	N/A N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
Y			Y	\$ -	N/A
Y			Y	\$-	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N				N/A	N/A
N N				N/A N/A	N/A N/A
N				N/A N/A	N/A N/A
N				N/A	N/A N/A
N				N/A	N/A
Y			Y	\$ -	N/A
Y			Y	\$ -	N/A
Y			Y	\$-	N/A
Y			Y	\$-	N/A
N				N/A	N/A
N				N/A	N/A
Y			Y	\$-	N/A
Y			Y	\$ -	N/A
Y			Y	\$ -	N/A
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Y			Y	\$ -	N/A
Y			Y	\$ -	N/A
Y			Y	\$ -	N/A
Y			Y	\$-	N/A
Y			Y	\$-	N/A
Y			Y	s -	N/A
			Yes		
				\$ -	\$-
				L	\$ 101,399.56
					0.00%

Advocacy Letters

See apendix C for copies of letters sent. Advocacy letters have been sent to the following list of suppliers/manufacturers:

- Armstrong
- CertainTeed
- Cubic Transportation
- DCP
- Dow Corning
- DuPont
- GCP
- HomeDepot
- Hunter Industries
- Huntsman Building Solutions
- JM Eagle
- LG Electronics
- Master Builders Solutions
- Max-R
- NDS
- OEC
- Rain Bird
- Sanderson Pipe
- Sesco Lighting
- Sternberg Lighting
- UF

CREDIT 5.9 SUPPORT SUSTAINABILITY IN MATERIALS MANUFACTURING

Materials Worksheet

Goal: 1 points

SITES® v2 Materials Worksheet <u>c5.9: SUPPORT SUSTAINABILITY IN MATERIALS MANUFACTURING</u>

INSTRUCTIONS:

1. Natural rocks or boulders; plants, sod, and seed; soils; and salvaged materials are excluded from this credit. If any manufacturer provides publ should still choose "Y" in the "Supporting Documentation" and "Option 1 Letter Sent" Columns under this credit.

Description or inderterial Suppler Name Type Reused Mater Line Oak Cherry Like Tree Fam Plant N \$ Azalea Cherry Like Tree Fam Plant N \$ Azalea Cherry Like Tree Fam Plant N \$ Prestraw Dison Word Product Midh - order N \$ Holy Fern University of Forida Plant Y \$ Diff Rose University of Forida Plant Y \$ Cherg Like Tree Fam Plant Y \$ \$ Diff Rose University of Forida Plant Y \$ \$ Cherg Like Tree Fam Plant Y \$ \$ \$ \$ Diff Rose University of Forida Each or macory unit Y \$ \$ Scatteriand Bick Paer - 7-76" x 3.78" x 2.14" University of Forida Each or macory unit Y \$ \$ Realmed Bick Paer - 7-76" x 3.78" x 2.14" University of Forida Each or macory unit	MATERIALS IDENTIFICATION (from Materials List tab)					
Muly. Charry Luka Tree Fam Pent N § 2 Station Charry Luka Tree Fam Pent N § 2 Station Wormer Fams Std N § 4 Prestizan Elison Wood Treat Mulch - other N § 4 Prestizan University of Florida Pent Y \$ 5 Drit Rose University of Florida Pent Y \$ 5 Drit Rose University of Florida Pent Y \$ 5 Tare Regulards University of Florida Pent Y \$ 5 Rose University of Florida Concrete Y \$ 1 Reclamed Brick Pawer - 7-187 x 3 - 716" x 2 University of Florida Erok or macory unit Y \$ 1 Reclamed Brick Pawer - 7-172 x 4" x 2" University of Florida Erok or macory unit Y \$ 1 Reclamed Brick Pawer - 8-116" x 4" x 2" University of Florida Erok or macory unit Y <th>Description of Material</th> <th></th> <th></th> <th></th> <th></th> <th>tal Cost of Material</th>	Description of Material					tal Cost of Material
Ausia Othery Lake Tree Fam Plent N § 2 Sold Wormer Fam Sold N § 1. Prestame Elison Word Product Midh - other Y § 1. Halp Fam University of Plonda Plent Y § 1. Carloge University of Plonda Plent Y § 1. Carloge Galon University of Plonda Plent Y § 0. Sociely Galon University of Plonda Plent Y § 0. Precast Benches University of Plonda Rok or macony unit Y § 1. Reclained Bick Pawer - 7-128' a 3 - 78' a 2 - 104'' University of Plonda Bick or macony unit Y § 1. Reclained Bick Pawer - 7-115'' a 3 - 78' a 2 - 104'' a University of Plonda Bick or macony unit Y § 1. Reclained Bick Pawer - 7-115'' a 3 - 78' a 2 - 104'' a University of Plonda Bick or macony unit Y § 1. Reclained Bick Pawer - 7-115'' a 4 - 20'' a 2 - 104'' a 20''				N	\$	185.0
Sod Worster Farm Sod N § 1 Prinstaw University of Florida Plant Y \$ Dirights University of Florida Plant Y \$ Dirights University of Florida Plant Y \$ Dirights University of Florida Plant Y \$ Scalage Carlie University of Florida Plant Y \$ \$ Scalage Carlie University of Florida Plant Y \$ \$ \$ Scalage Carlie University of Florida Tork or macory unit Y \$ \$ \$ Scalamed Binck Pawer - 7.167 4* 2.3 - 70° + 2. University of Florida Erick or macory unit Y \$ </td <td>•</td> <td></td> <td></td> <td></td> <td></td> <td>2,970.0</td>	•					2,970.0
Pinetraw Elsex Wood Producti Multi - other N S 1. Howersty of Florida Pilent Y S 5 Howersty of Florida Pilent Y S 5 Diff Rose University of Florida Pilent Y S Diff Rose University of Florida Pilent Y S Diff Rose University of Florida Rot Y S G Reclamed Binck Pawer - 7-10% 's 3-7%' 2 University of Florida Rot or macony unit Y S 1. Reclamed Binck Pawer - 7-10% 's 3-7%' 2 University of Florida Bink or macony unit Y S 1. Reclamed Binck Pawer - 7-10% 's 3-7%' 2 University of Florida Bink or macony unit Y S 1. Reclamed Binck Pawer - 7-10% 's 3-7%' 2 University of Florida Bink or macony unit Y S 1. Reclamed Binck Pawer - 7-10% 's 3-7%' 2 University of Florida Bink or macony unit N S 2. Concrete Docketh Bel Concrete Procketh <td< td=""><td></td><td></td><td></td><td></td><td></td><td>2,505.0</td></td<>						2,505.0
Prednam University of Florida Plant Y 6 Sing Fern University of Florida Plant Y 5 Diff Rose University of Florida Plant Y 5 South Garlie University of Florida Plant Y 5 South Garlie University of Florida Plant Y 5 South Garlie University of Florida Concrite Y 5 South Garlie University of Florida Rock or macory unit Y 5 1 Socializad Binck Pares - 7-167 X - 7.2 University of Florida Binck or macory unit Y 5 1 Socializad Binck Pares - 7-167 X - 2 University of Florida Binck or macory unit Y 5 2 Socrater Pinon Table University of Florida Concrete Y 5 2 2 5 2 2 2 5 2 2 5 2 2 5 2 2 5 2 2 5 2 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td>4,771.6</td>						4,771.6
Holp Fam University of Fixeda Plant Y \$ Drift Rose University of Fixeda Plant Y \$ Drift Rose University of Fixeda Plant Y \$ Drift Rose University of Fixeda Plant Y \$ Ther Recolling Buildin University of Fixeda Execution Y \$ \$ Precent Benches University of Fixeda Birck or masonry unit Y \$ \$ Reclamed Birck Pawer - 7-167 's 3-77's 's 2-74' University of Fixeda Birck or masonry unit Y \$ \$ Reclamed Birck Pawer - 7-167 's 3-77's 's 2-74' 's 2-2 University of Fixeda Birck or masonry unit Y \$ \$ Reclamed Birck Pawer - 7-167 's 3-77's 's 2-74' 's 2-2 University of Fixeda Birck or masonry unit N \$ \$ \$ Scorecrefe Point Table University of Fixeda Concrete N \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ <t< td=""><td></td><td></td><td></td><td></td><td></td><td>1,200.0</td></t<>						1,200.0
Junges University of Findia Plant Y S Dirik Rose University of Findia Plant Y S Strater, Garlie University of Findia Dirik Rosp, Clang Station Y S Ther Resp, Clang Station University of Findia Dirik Rosp, Clang Station Y S Recalamed Brick Pawer - 7-167 vf 3-3767 vf 2 University of Findia Brick or mascory unit Y S Recalamed Brick Pawer - 7-167 vf 3-3767 vf 2 University of Findia Brick or mascory unit Y S 1 Reclamed Brick Pawer - 7-167 vf 3-3767 vf 2 University of Findia Brick or mascory unit Y S 1 Reclamed Brick Pawer - 7-167 vf 3-478 vf 2-1 University of Findia Scorrete Y S 2						600.0
Drift Rees University of Florida Plant Y S 2 Ther Recycling Station University of Florida Wood - Manufactured/compressed wood product Y S 2 Ther Recycling Station University of Florida Wood - Manufactured/compressed wood product Y S 2 Ther Recycling Station University of Florida Birck or masony unit Y S 3 Reclamed Birck Pawer - 7-16" X 3-714" University of Florida Birck or masony unit Y S 3 Reclamed Birck Pawer - 7-16" X 3-714" X 2-714" University of Florida Birck or masony unit Y S 3 Reclamed Birck Pawer - 7-16" X 3-714" X 2-714" University of Florida Birck or masony unit Y S 3 Corcrete Products Birck or masony unit N S 4 3 MU Block - AduAt16 Ball Concrete Products Birck or masony unit N S 1 3 MU Block - AduAt16 Ball Concrete Products Birck or masony unit N S 3 3 MU Block - AduAt16 Ball Concrete Products Birck or masony unit N S 3 <	•					500.
Screige Garlie University of Finds Plant Y S Ter Resping Station University of Finds Wood - Manufacturad/compressed wood product Y S Ter Resping Station University of Finds Concrete Y S Ter Resping Station University of Finds Concrete Y S Ter Resping Station University of Finds Bick or masony unit Y S Ter Resping Station S Ter Resping Station University of Finds Bick or masony unit Y S Ter Resping Station University of Finds Bick or masony unit Y S Ter Resping Station University of Finds Bick or masony unit Y S Ter Resping Station Station Station Station Station Station S Ter Resping Station S Ter Resping Sta		,			•	300.0
The Respling Simion University of Fiorida Wood - Manufactured/compressed wood product Y \$ <td></td> <td></td> <td></td> <td></td> <td></td> <td>300.</td>						300.
Precase Benches University of Florida Concrete V \$ 1 Stackinned Brick Paeer - 7:787 × 27.147 University of Florida Brick or mascony unit V \$ 5 Stackinned Brick Paeer - 7:7787 × 27.147 University of Florida Brick or mascony unit V \$ 5 Stackinned Brick Paeer - 7:7178 × 12. University of Florida Brick or mascony unit V \$ 5 Stackinned Brick Paeer - 7:1178 × 12. University of Florida Brick or mascony unit V \$ 2 Sconcrete Price Table University of Florida Brick or mascony unit N \$ 2 Valu Block - Saks16 Bell Concrete Products Brick or mascony unit N \$ 1 Valu Block - Saks16 Bell Concrete Products Brick or mascony unit N \$ 1 Valu Block - Saks16 Bell Concrete Products Brick or mascony unit N \$ 2 Arrar Sapad University of Florida Nort S 2 2 Arrare Sapage University of Florida <td></td> <td></td> <td></td> <td></td> <td></td> <td>9,768.</td>						9,768.
Reclamed Bick Paver -7.787 ¥ 2-787 × 2 Reclamed Bick Paver -7.15716' x 3-78' × University of Florida Bick or masony unit Y Reclamed Bick Paver -7.15716' x 3-78' × University of Florida Bick or masony unit Y Reclamed Bick Paver -7.15716' x 3-78' × University of Florida Bick or masony unit Y Reclamed Bick Paver -7.15716' x 3-78' × University of Florida Bick or masony unit Y Reclamed Bick Paver -7.15716' x 3-78' × University of Florida Bick or masony unit Y Reclamed Bick Paver -7.15716' x 3-78' × University of Florida Bick or masony unit Y S Socrete Pouch Table University of Florida Bick or masony unit Y S Socrete Pouch Bick + Sakx16 Bick or masony unit N N S Socrete Pouch Bick + Sakx16 Bick or masony unit N N S S Socrete Pouch Bick + Sakx16 Bick or masony unit N N S S Socrete Pouch S S Socrete Pouch S S S Socrete Pouch S S S Socrete Pouch S S S S S S S S S S						1,600.
Sectained Bick Paver - 87 x 2-14" University of Florida Bick or masony unit Y S Assistanced Bick Paver - 7-15(7 x 47 x 2) University of Florida Bick or masony unit Y S Carcetel Pichi Table University of Florida Bick or masony unit Y S Concrete Pichi Table University of Florida Concrete Y S Concrete Pichi Table University of Florida Concrete Y S Concrete Pichi Table University of Florida Concrete Y S Concrete Pichi Table Concrete Products Bick or masony unit N S 4, MU Block - Bakr 16 Bell Concrete Products Bick or masony unit N S 4, MU Block - Bakr 16 Bell Concrete Products Bick or masony unit N S 4, MU Block - Bakr 16 Bell Concrete Products Bick or masony unit N S 4, MU Block - Bakr 16 Bell Concrete Products Bick or masony unit N S 4, MU Block - Bakr 16 Bell Concrete Products Bick or masony unit N S 4, MU Block - Bakr 16 Bell Concrete Products Bick or masony unit N S 4, MU Block - Bakr 16 Bell Concrete Products Bick or masony unit N S 4, MU Block - Bakr 16 Bell Concrete Products Bick or masony unit N S 2, Concrete - 3000 CMG Cel Fli CENEX Concrete N S 5, 2, Arrest Supage University of Florida University of Rovida Norwood decking, rating, fencing, trelises, or N S 5, 1, 1, 1, 1, 1, 1, 1, 1						3,234.
Sectiment Bink Payer -7.11/2* VA Viewersky of Florida Brick or masony unit Y \$ Reclamed Bink Payer -7.11/2* VA* 2. University of Florida Brick or masony unit Y \$ 1 Reclamed Bink Payer -8.11/6* A4* 2. University of Florida Concrete Y \$ 2 Concrete Florica Table University of Florida Concrete Y \$ 2 Aud Block - Sakx16 Bell Concrete Products Brick or masony unit N \$ 4 NUB Block - Sakx16 Bell Concrete Products Brick or masony unit N \$ 13, Actar Spec Mix Concrete N \$ 2, 14, Actar Spec Mix Concrete N \$ 2, 14, Actar Concrete Non-wood decing, rating, fencing, fenliese, or N \$ 1, Actar Concrete Non-wood decing, rating, fencing, fencin						1,558.
Becatamed Brick Pawer - 8-1/16* x 4* 22- University of Florida Concrete Y \$ Concrete Picolic Table University of Florida Concrete Y \$ Concrete Picolic Stable University of Florida Concrete Y \$ CMU Block - 8&Art 6 Bell Concrete Products Brick or masonry unit N \$ 4, MU Block - 8&Art 6 Bell Concrete Products Brick or masonry unit N \$ 4, MU Block - 8&Art 6 Bell Concrete Products Brick or masonry unit N \$ 4, Art 7 Signage University of Florida Concrete N \$ 2, Jart Art 5 Signage University of Florida Concrete N \$ 2, Jart Art 5 Signage University of Florida Stack or masonry unit N \$ 2, Jart Art 5 Signage University of Florida Stack or masonry unit N \$ 2, Jart Art 5 Signage University of Florida Concrete N \$ </td <td>Reclaimed Brick Paver - 7-15/16" x 3-7/8" x</td> <td>University of Florida</td> <td>Brick or masonry unit</td> <td></td> <td></td> <td>887.</td>	Reclaimed Brick Paver - 7-15/16" x 3-7/8" x	University of Florida	Brick or masonry unit			887.
Sectioned Birck Parer - 8-1/16" x 4" x2: University of Florida Concrete Y \$ Concrete Piculic Table University of Florida Concrete Y \$ 2 Concrete/Wood Benches University of Florida Concrete Y \$ 2 DNU Block - 8bx416 Bell Concrete Products Brick or masonry unit N \$ 4 DNU Block - 8bx416 Bell Concrete Products Brick or masonry unit N \$ 13, Ontation Spring Spec Mix Concrete N \$ 13, Antats Spec Mix Concrete N \$ 2, Japit Poles & Futures University of Florida Antwood docking, raling, fencing, trailises, or all printig Y \$ 11, Stard Costeen Bros, Goldhead, Sand (If used as a base course material) N \$ 2, Sand Osteen Bros, Goldhead, Sand (If used as a base course layers N \$ 1, Vaded Wine Fabric Home Doot Concrete N \$ 3, 3, Vaded			-			1,034.
Concrete V S DMU Block - Swkr16 Bell Concrete Products Brick or masony unit N S DMU Block - Swkr16 Bell Concrete Products Brick or masony unit N S Strik - 3-56* x 2-14* x 7-56* Cherokee Brick or masony unit N S 13. Strik - 3-56* x 2-14* x 7-56* Cherokee Brick or masony unit N S 2. Concrete N S 2. 3. <	Reclaimed Brick Paver - 8-1/16" x 4" x 2-	University of Florida	Brick or masonry unit	Y		924.
Concrete/Wood Banches Unversity of Florida Concrete Y S ZMU Block - 8x8x16 Bell Concrete Products Brick or masonry unit N S 4. MU Block - 8x8x16 Bell Concrete Products Brick or masonry unit N S 4. MU Block - 8x8x16 Bell Concrete Products Brick or masonry unit N S 13. Artar Spee Mix Concrete N S 3. Artar Spee Mix Concrete N S 3. APS Signage University of Florida Lighting Y S 11. Artar Osteen Broc, Goldhead, Smid (fued as a base course material) N S 2. Sand Osteen Broc, Goldhead, Smid (fued as a base course layers N S 1. Sandel Edging Horma Depot Concrete N S 1. Concrete 4.000 PSI SRM Concrete Concrete N S 9. Concrete - 4.000 PSI SRM Concrete Concrete N <t< td=""><td>Concrete Picnic Table</td><td>University of Florida</td><td>Concrete</td><td></td><td></td><td>2,000.</td></t<>	Concrete Picnic Table	University of Florida	Concrete			2,000.
2NU Block - Bx4r16 Bell Concrete Products Brick or masony unit N \$ 3rkk - 3-66* x 2-1/4* x 7-56* Cherokee Brick or masony unit N \$ \$ 3rkk - 3-66* x 2-1/4* x 7-56* Cherokee Brick or masony unit N \$	Concrete/Wood Benches	University of Florida	Concrete	Y		850.
Bitek - 3-58* x 2-14* x 7-56* Cherokee Bitek or masonry unit N \$ 13, Mortar Spee Mix Concrete N \$ 2, Concrete N \$ 2, 3, 3, Light Poles Florida Nor-wood decking, railing, fencing, trellises, or N \$ 2, Light Poles Abiversity of Florida Nor-wood decking, railing, fencing, trellises, or N \$ 2, Gard Osteen Bros, Godhead, Brick or masonry unit N \$ 2, 2, Gard Osteen Bros, Godhead, Sard (fused as a base course material) N \$ 2, Charled Concrete More Dopod Concrete N \$ 2, Concrete N \$ 2, 3, 3, Anded Wire Fabric HD Whitecap Concrete N \$ 2, Concrete N \$ 2, 2, S 2, 2, S 4, Anded Wire Fabric HD Whitecap Concrete N \$ 9, Livel Fabric HD Whitecap Concrete N \$ 2, Start Fabric Rain Bird 50 FBR Paphe, hose, or irrigation equipment <	CMU Block - 8x8x16	Bell Concrete Products	Brick or masonry unit	N	\$	4,853.
Wortar Spec Mix Concrete N S 2 Concrete NA S 2 Concrete N S 2 Cancrete NA S 3 3 3 3 APP Signage University of Florida Light Pieles & Ensures N S 3 Jight Poles & Ensures University of Florida Light Pieles Brick or masonry unit N S 2 Sard Otseen Bros, Goldhead, Sard (If used as a base course material) N S 2 2 3 1 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 7 7 6 6 6 6 6 6 6 6 6	CMU Block - 8x4x16	Bell Concrete Products	Brick or masonry unit	N	\$	464.
Concrete - 3000 CMG Cell Fill CEMEX Concrete N \$ 3 AFPS Signage University of Florida Nor-wood decking, railing, fencing, trellises, or N \$ 11, 31, 11, 11, 11, 11, 11, 11, 11, 11, 11,	Brick - 3-5/8" x 2-1/4" x 7-5/8"	Cherokee	Brick or masonry unit	N	\$	13,246.
TAPS Signage University of Florida Nor-wood decking, railing, fencing, trellises, or N \$ Light Rides & Fixtures University of Florida Lighting Y \$ 11,1 Sink Pavess - 4x8" HD Full Range Pine Hall Brick Birck or mascony unit N \$ 22,2 Carnent Edge Horne Depot Concrete N \$ 2, Carnet Edge Horne Depot Concrete N \$ 1, Vetal Edging Permatac, Other materials or base course layers N \$ 37, Sightalt Anderson Columbia Other materials or base course layers N \$ 37, Vetald Wire Fabric HD Whitecap Concrete N \$ 9, Imerock HD Whitecap Concrete N \$ 9, Imerock Industries Other materials or base course layers N \$ 8, Statistic Eduits Chase Other materials or base course layers N \$ 9, Imerock Light Octopation Pipe, hose, or irrigation equipment N \$ 2, <td< td=""><td>Vortar</td><td>Spec Mix</td><td>Concrete</td><td>N</td><td>\$</td><td>2,030.</td></td<>	Vortar	Spec Mix	Concrete	N	\$	2,030.
Light Poles & Fixtures University of Florida Lighting Y \$ 11, Brick Ravers - 4x8' HD Full Range Prine Hall Brick Brick kor maxonry unit N \$ 27, Sand Octeen Brox, Goldhead, Sand (I used as a base course material) N \$ 27, Cement Edge Home Depot Concrete N \$ 1, Velaid Edging Permaloc, Other materials or base course layers N \$ 1, Sconcrete - 4,000 PSI SRM Concrete Concrete N \$ 37, Staphatt Anderson Columbia Other materials or base course layers N \$ 17, Velded Wife Fabric HD Whitecap Concrete N \$ 9, Imerock Limerock Industries Other materials or base course layers N \$ 8, 2100 Purple PVC Lateral Line Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 2, Sand Bird 100 PEB Valve Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 5, Starting Electric Rain Bird Sto PEB Valve Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 5, Storn Piping JM	Concrete - 3000 CMG Cell Fill	CEMEX	Concrete	N	\$	3,500.
and Osteen Bros, Goldhead, Sand (if used as abase course material) N \$ 2.7. and Osteen Bros, Goldhead, Sand (if used as abase course material) N \$ 2. and Osteen Bros, Goldhead, Sand (if used as abase course material) N \$ 2. Crushed Concrete Watson Construction, Concrete N \$ 3.7. Adel Edging Permaloc, Other materials or base course layers N \$ 3.7. Sphalt Anderson Columbia Other materials or base course layers N \$ 9. Weided Wire Fabric HD Whitecap Concrete N \$ 9. Granerek - 4,000 PSI Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 9. Weided Bubbler HD Whitecap Concrete N \$ 9. Cancerek - 4,000 PSI Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 9. Linter PGP/PGJ Rotar/Min Roter Foture Hurter Industries Pipe, hose, or irrigation equipment N \$ 5 Storm Structures Olicastel Infrastru	TAPS Signage	University of Florida	Non-wood decking, railing, fencing, trellises, or	N	\$	700.
Sand Osteen Bros, Goldhead, Sand (if used as a base course material) N \$ 2 Parenet Edge Home Depot Concrete N \$ Zennet Edge Home Depot Concrete N \$ Zenshed Concrete Watson Construction, Concrete N \$ 1, Atelal Edging Permaloc, Other materials or base course layers N \$ 37, Sphalt Anderson Columbia Other materials or base course layers N \$ 37, Velded Wire Fabric HD Whitecap Concrete N \$ 9, Imerock Limerock Industries Other materials or base course layers N \$ 8, 21200 Purple PVC Lateral Line Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 2 21am Bird 1401 Flood Bubbler Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 5 21am Strid 1401 Flood Bubbler Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 5 21am Bird 1401 Flood Bubbler Rain Bird Corporation Pipe, hose, or irrigation eq	ight Poles & Fixtures	University of Florida	Lighting	Y	\$	11,100.
Carment Edge Home Depot Concrete N \$ Zrushed Concrete Watson Construction, Watson Construction, Concrete Concrete N \$ \$ Zrushed Concrete Watson Construction, Watson Construction, Concrete Other materials or base course layers N \$ \$ Sphalt Anderson Columbia Other materials or base course layers N \$	Brick Pavers - 4x8" HD Full Range	Pine Hall Brick	Brick or masonry unit	N	\$	27,889.
Crushed Concrete Watson Construction, Concrete N \$ 1, Metal Edging Permaloc, Other materials or base course layers N \$ 37, Concrete 4,000 PSI SRM Concrete Concrete N \$ 37, Sphalt Anderson Columbia Other materials or base course layers N \$ 37, Welded Wire Fabric HD Whitecap Concrete N \$ 9, Rebar HD Whitecap Concrete N \$ 9, Currencek Limerock Industries Other materials or base course layers N \$ 8, Currence k Limerock Industries Other materials or base course layers N \$ 9, Valuet PGP/PGJ Rotar/Min Rotor Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 5 Statisting Electric Rain Bird To PEB Valve Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 6, Storm Piping JM Eagle & Sanderson Pipe, hose, or irrigation equipment N \$ 5, Storm Piping JM Eagle &	Sand	Osteen Bros, Goldhead,	Sand (if used as a base course material)	N	\$	2,394.
Wetal Edging Permaloc, Other materials or base course layers N \$ Concrete - 4,000 PSI SRM Concrete Concrete N \$ 37, Saphalt Anderson Columbia Other materials or base course layers N \$ 17, Welded Wire Fabric HD Whitecap Concrete N \$ 37, Needed Wire Fabric HD Whitecap Concrete N \$ 9, Limerock Industries Other materials or base course layers N \$ 9, Jamerock Limerock Industries Other materials or base course layers N \$ 9, Jamerock Industries Other materials or base course layers N \$ 9, Jamerock Limerock Industries Other materials or base course layers N \$ 9, Storn Structures Bind Corporation Pipe, hose, or irrigation equipment N \$ 52, Storn Structures Otdcastle Infrastructure Concrete N \$ 52, Storn Structures Otdcastle Infrastructure Concrete N \$ 52, Y & Wood Forms Home Depot Wood - Natural Lumber Y \$ Y & Wood Forms	Cement Edge	Home Depot	Concrete	N	\$	132.
Concrete - 4,000 PSI SRM Concrete Concrete N \$ 37, Asphalt Apphalt Anderson Columbia Other materials or base course layers N \$ 17, Nelded Wire Fabric HD Whitecap Concrete N \$ 17, Nelded Wire Fabric N \$ 17, Nelded Wire Fabric Gatar HD Whitecap Concrete N \$ 9, Limerock Limerock Limerock Industries Other materials or base course layers N \$ 8, Pipe, hose, or irrigation equipment N \$ 2, Stan Bird 1401 Flood Bubbler Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 2, Start Startchitectural Concrete N \$ 9, Liner PGP/PGJ Rotar/Mini Rotor Fixture Hunter Industries Pipe, hose, or irrigation equipment N \$ 5, Storm Structures \$ 6, Distom Structures \$ 6, Distom Structures \$ 6, Distom Structures \$ 6, Distom Structures \$ 7, S 2, S 4, Wood Forms N \$ 12, S 4, Wood Forms \$ 9, Pipe, hose, or irrigation equipment N \$ 52, S 2, S 4, Wood Forms Home Depot Wood - Natural Lumber Y \$ 5, S 4, Wood Forms N \$ 3, S 4, B Wood Forms \$ 3, S 4, B Wood Forms \$ 3, S 3, S 4, B Wood Forms <	Crushed Concrete	Watson Construction,	Concrete	N	\$	1,802.
Asphalt Anderson Columbia Other materials or base course layers N \$ 17. Welded Wire Fabric HD Whitecap Concrete N \$ 9. Zebar HD Whitecap Concrete N \$ 9. Linerock Limerock Industries Other materials or base course layers N \$ 9. Jinnerock Emerock Industries Other materials or base course layers N \$ 9. Start 1401 Flood Hubstries Other materials or base course layers N \$ 9. Start 14101 Flood Hubstries Other materials or base course layers N \$ \$ 9. Value POVC Lateral Line Sanderson Pipe Pipe, hose, or irrigation equipment N \$ \$ \$ \$ Value PO/PGJ Rotar/Mini Rotor Fixture Hunter Industries Concrete N \$ 12. \$	Vetal Edging	Permaloc,	Other materials or base course layers	N	\$	997.
Welded Wire Fabric HD Whitecap Concrete N \$ Rebar HD Whitecap Concrete N \$ 9, Jimerock Limerock Industries Other materials or base course layers N \$ 9, Linerock Limerock Industries Other materials or base course layers N \$ 8, 2L200 Purple PVC Lateral Line Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 2, Rain Bird 1401 Flood Bubbler Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 2, Precess Architectural Concrete N \$ 5 5 7 7 5 7 Precess Architectural Concrete N \$ 5, 12, 5, 7 7 5 2 7 8 12, 5, 7, 4 Wood Forms N \$ 5, 5, 12, 12, 12, 12, 12, 12, 14 4 Wood Forms N \$ 5, 5, 5, 12, 12, 12, 12, 12, 12,<	Concrete - 4,000 PSI	SRM Concrete	Concrete	N	\$	37,857.
Rebar HD Whitecap Concrete N \$ 9, Jimerock Limerock Industries Other materials or base course layers N \$ 8, CL200 Purple PVC Lateral Line Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 2, San Bird 1401 Flood Bubbler Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 2, Hutter PGP/PGJ Rotar/Mini Rotor Fixture Hunter Industries Pipe, hose, or irrigation equipment N \$ 2, Precast Architectural Concrete Spring Precast Concrete N \$ 6, Storm Structures Oldcastle Infrastructure Concrete N \$ 12, Storm Structures Home Depot Wood - Natural Lumber Y \$ 2, 2" x 6" Wood Forms Home Depot Wood - Natural Lumber Y \$ 2, Alin Bird 1906/1812 RD Spray Fixture Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 3, Solards Sternberg Lighting Nor-wood decking, railing, fencing, trellises, or N \$ 3, Strin Bird	Asphalt	Anderson Columbia	Other materials or base course layers	N	\$	17,070.
Limerock Limerock Industries Other materials or base course layers N \$ 8 CL200 Purple PVC Lateral Line Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 2 Rain Bird 1401 Fixed Bubbler Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ \$ Hunter PGP/PGJ Rotar/Mini Rotor Fixture Hunter Industries Pipe, hose, or irrigation equipment N \$ \$ Existing Electric Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ \$ \$ Storm Structures Oldcastle Infrastructure Concrete N \$ 12, Storm Structures Oldcastle Infrastructure Concrete N \$ 52, Y & 4" Wood Forms Home Depot Wood - Natural Lumber Y \$ \$ 2" X 6" Wood Forms Home Depot Wood - Natural Lumber N \$ 2, 2" X 6" Wood Forms Home Depot Wood - Natural Lumber N \$ 2, 2" X 6" Wood Forms Home Depot Wood - Natural Lumber N \$ 3, Schui 18 106/1812 RD Spray	Welded Wire Fabric	HD Whitecap	Concrete	N	\$	902.
CL200 Purple PVC Lateral Line Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 2 Rain Bird 1401 Flood Bubbler Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ Hunter PGP/PGJ Rotar/Mini Rotor Fixture Hunter Industries Pipe, hose, or irrigation equipment N \$ Precast Architectural Concrete Spring Precast Concrete N \$ 12, Precast Architectural Concrete Didcastle Infrastructure Concrete N \$ 52, Storm Structures Oldcastle Infrastructure Concrete N \$ 52, Y a 4" Wood Forms Home Depot Wood - Natural Lumber Y \$ 5 2" x 6" Wood Forms Home Depot Wood - Natural Lumber Y \$ 5 3-Tier Recycling Station Max-R Wood - Natural Lumber N \$ 2, 2" x 6" Wood Forms Home Depot Wood - Natural Lumber N \$ 3 3-Tier Recycling Station Max-R Wood - Maufactured/compressed wood product N \$ 3, Sch. 40 PVC Sleeve Sanderson Pipe <	Rebar	HD Whitecap	Concrete	N	\$	9,900.
Rain Bird 1401 Flood Bubbler Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ Hunter PGP/PGJ, Rotar/Mini Rotor Fixture Hunter Industries Pipe, hose, or irrigation equipment N \$ Existing Electric Rain Bird 150 PEB Valve Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ Precast Architectural Concrete Spring Precast Concrete N \$ 6, Storm Structures Oldcastle Infrastructure Concrete N \$ 52, Storm Piping JM Eagle & Sanderson Pipe, hose, or irrigation equipment N \$ 52, 1* x 4' Wood Forms Home Depot Wood - Natural Lumber Y \$ 52, 7 K 6' Wood Forms Home Depot Wood - Natural Concrete N \$ 2, Rain Bird 1806/1812 RD Spray Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 3 Sch. 40 PVC Sleeve Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 3 Solidads Sternberg Lighting Non-wood decking, railing, fencing, trelises, or N \$ 3 <tr< td=""><td>Limerock</td><td>Limerock Industries</td><td>Other materials or base course layers</td><td>N</td><td>\$</td><td>8,185.</td></tr<>	Limerock	Limerock Industries	Other materials or base course layers	N	\$	8,185.
Hunter PGP/PGJ Rotar/Mini Rotor Fixture Hunter Industries Pipe, hose, or irrigation equipment N \$ Existing Electric Rain Bird 150 PEB Valve Rain Bird Corporation Pipe, hose, or irrigation equipment Y \$ Precast Architectural Concrete Spring Precast Concrete N \$ 6, Storm Structures Oldcastile Infrastructure Concrete N \$ 12, Storm Piping JM Eagle & Sanderson Pipe, hose, or irrigation equipment N \$ 52, 1* X4 'Wood Forms Home Depot Wood - Natural Lumber Y \$ 52, 2* X 6' Wood Forms Home Depot Wood - Manufactured/Compressed wood product N \$ 52, 3-Tier Recycling Station Max-R Wood - Manufactured/Compressed wood product N \$ 2, Rain Bird 2007812 Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 5 Solards Sternberg Lighting Non-wood decking, raling, fencing, trellises, or N \$ 3, Solards Sternberg Lighting No-wood decking, raling, fencing, trellises, or N \$ 21,	CL200 Purple PVC Lateral Line	Sanderson Pipe	Pipe, hose, or irrigation equipment	N	\$	2,025.
Existing Electric Rain Bird 150 PEB Valve Rain Bird Corporation Pipe, hose, or irrigation equipment Y \$ Precast Architectural Concrete Spring Precast Concrete N \$ 6, Storm Structures Oldcastle Infrastructure Concrete N \$ 12, Storm Piping JM Eagle & Sanderson Pipe, hose, or irrigation equipment N \$ 52, Y & 4" Wood Forms Home Depot Wood - Natural Lumber Y \$ \$ 2" x 6" Wood Forms Home Depot Wood - Natural Lumber Y \$ \$ 3-Tier Recycling Station Max-R Wood - Manufactured/compressed wood product N \$ 2, Rain Bird 1806/1812 RD Spray Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 2, Sch. 40 PVC Sleeve Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 3, Switchgear Sesco Conduit, wiring, and electrical equipment N \$ 2, Nire Sesco Conduit, wiring, and electrical equipment N \$ 2, Nire Sesco<	Rain Bird 1401 Flood Bubbler	Rain Bird Corporation	Pipe, hose, or irrigation equipment	N	\$	5.
Precast Architectural Concrete Spring Precast Concrete N \$ 6, Storm Structures Oldcastle Infrastructure Concrete N \$ 12, Storm Piping JM Eagle & Sanderson Pipe, hose, or irrigation equipment N \$ 52, " x 4" Wood Forms Home Depot Wood - Natural Lumber Y \$ \$ 2" x 6" Wood Forms Home Depot Wood - Matural Lumber Y \$ \$ 3-Tier Recycling Station Max-R Wood - Manufactured/compressed wood product N \$ 2, Rain Bird 1806/1812 RD Spray Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 3, Sch. 40 PVC Sleeve Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 3, Solards Sternberg Lighting Non-wood decking, railing, fencing, trellises, or N \$ 3, Sturtes Sesco Conduit, wiring, and electrical equipment N \$ 3, Conduit & Fittings Sesco Conduit, wiring, and electrical equipment N \$ 1, Perpever		Hunter Industries	Pipe, hose, or irrigation equipment	N	\$	323.
Storm Structures Oldcastle Infrastructure Concrete N \$ 12. Storm Piping JM Eagle & Sanderson Pipe, hose, or irrigation equipment N \$ 52, I* X 4" Wood Forms Home Depot Wood - Natural Lumber Y \$ 52, I* X 6" Wood Forms Home Depot Wood - Natural Lumber Y \$ 52, I* X 6" Wood Forms Home Depot Wood - Natural Lumber Y \$ 52, I* X 6" Wood Forms Max R Wood - Natural Lumber Y \$ 52, Tier Recycling Station Max-R Wood - Natural Lumber N \$ 2, Rain Bird 1806/1812 RD Spray Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 3, Sch. 40 PVC Sleeve Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 3, Soliards Sternberg Lighting Non-wood decking, railing, fencing, trelises, or N \$ 3, Conduit & Fittings Sesco Conduit, wiring, and electrical equipment N \$ 21, Nire Sesco Conduit	Existing Electric Rain Bird 150 PEB Valve	Rain Bird Corporation	Pipe, hose, or irrigation equipment	Y	\$	629.
Storm Piping JM Eagle & Sanderson Pipe, hose, or irrigation equipment N \$ 52 I* x 4" Wood Forms Home Depot Wood - Natural Lumber Y \$ 2" x 6" Wood Forms Home Depot Wood - Natural Lumber Y \$ 3-Tier Recycling Station Max-R Wood - Manufactured/compressed wood product N \$ \$ 3-Tier Recycling Station Max-R Wood - Manufactured/compressed wood product N \$ \$ 3-Tier Recycling Station Max-R Wood - Manufactured/compressed wood product N \$ 2, Rain Bird 1806/1812 RD Spray Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 2, Sollards Sternberg Lighting Non-wood decking, railing, fencing, trellises, or N \$ 3, Switchgear Sesco Conduit, wiring, and electrical equipment N \$ 21, Temp Power Sesco Conduit, wiring, and electrical equipment N \$ 21, Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 3, Cold Bases Sesco		Spring Precast	Concrete	N	\$	6,427.
It x 4" Wood Forms Home Depot Wood - Natural Lumber Y \$ 2" x 6" Wood Forms Home Depot Wood - Natural Lumber Y \$ 3-Tier Recycling Station Max-R Wood - Manufactured/compressed wood product N \$ 2, Rain Bird 1806/1812 RD Spray Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 2, Sol- 40 PVC Sleeve Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 3, Soltchgear Sesco Conduit, wiring, and electrical equipment N \$ 3, Soltards Sternberg Lighting Non-wood decking, railing, fencing, trellises, or N \$ 3, Switchgear Sesco Conduit, wiring, and electrical equipment N \$ 3, Conduit & Fittings Sesco Conduit, wiring, and electrical equipment N \$ 21, Vire Sesco Conduit, wiring, and electrical equipment N \$ 21, Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 6, Lighting Controls Sesco	Storm Structures	Oldcastle Infrastructure	Concrete	N	\$	12,714.
2° x 6° Wood Forms Home Depot Wood - Natural Lumber Y \$ 3-Tier Recycling Station Max-R Wood - Manufactured/compressed wood product N \$ 2, Rain Bird 1806/1812 RD Spray Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ 2, Sch. 40 PVC Sleeve Sanderson Pipe Pipe, hose, or irrigation equipment N \$ 3, Switchgear Sesco Conduit, wiring, and electrical equipment N \$ 3, Solards Sternberg Lighting Nor-wood decking, railing, fencing, trellises, or N \$ 3, Switchgear Sesco Conduit, wiring, and electrical equipment N \$ 2, Nire Sesco Conduit, wiring, and electrical equipment N \$ 2, Power Sesco Conduit, wiring, and electrical equipment N \$ 2, Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 5, Option Controls Sesco Conduit, wiring, and electrical equipment N \$ 6, Lighting Controls Sesco </td <td>Storm Piping</td> <td>JM Eagle & Sanderson</td> <td>Pipe, hose, or irrigation equipment</td> <td>N</td> <td>\$</td> <td>52,344.</td>	Storm Piping	JM Eagle & Sanderson	Pipe, hose, or irrigation equipment	N	\$	52,344.
bit Tier Recycling Station Max-R Wood - Manufactured/compressed wood product N \$ 2, Rain Bird 1806/1812 RD Spray Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ Sch. 40 PVC Sleeve Sanderson Pipe Pipe, hose, or irrigation equipment N \$ Soliards Sternberg Lighting Non-wood decking, railing, fencing, trellises, or N \$ Switchgear Seesco Conduit, wiring, and electrical equipment N \$ 3, Conduit & Fittings Seesco Conduit, wiring, and electrical equipment N \$ 21, Vire Seesco Conduit, wiring, and electrical equipment N \$ 21, Vire Seesco Conduit, wiring, and electrical equipment N \$ 21, Prover Seesco Conduit, wiring, and electrical equipment N \$ 1, Carepare Seesco Conduit, wiring, and electrical equipment N \$ 1, Carepare Seesco Conduit, wiring, and electrical equipment N \$ 5, Obde Bases Seesco Conduit, wiring, and electric		Home Depot		Y	\$	84.
Rain Bird 1806/1812 RD Spray Fixture Rain Bird Corporation Pipe, hose, or irrigation equipment N \$ Sch. 40 PVC Sleeve Sanderson Pipe Pipe, hose, or irrigation equipment N \$ Sollards Sternberg Lighting Non-wood decking, railing, fencing, trellises, or N \$ \$ Switchgear Sesco Conduit, wiring, and electrical equipment N \$ \$ Solnards Sternberg Lighting Non-wood decking, railing, fencing, trellises, or N \$ \$ Switchgear Sesco Conduit, wiring, and electrical equipment N \$ \$ Conduit & Fittings Sesco Conduit, wiring, and electrical equipment N \$ \$ Vire Sesco Conduit, wiring, and electrical equipment N \$ \$ 1, Femp Power Sesco Conduit, wiring, and electrical equipment N \$	2" x 6" Wood Forms		Wood - Natural Lumber	Y	\$	172.
Sch. 40 PVC Sleeve Sanderson Pipe Pipe, hose, or irrigation equipment N \$ Bollards Sternberg Lighting Non-wood decking, railing, fencing, trellises, or N \$ 3, Switchgear Sesco Conduit, wiring, and electrical equipment N \$ 3, Fixtures Sesco Lighting N \$ 3, Conduit, Fittings Sesco Conduit, wiring, and electrical equipment N \$ 3, Conduit, Fittings Sesco Conduit, wiring, and electrical equipment N \$ 3, Virie Sesco Conduit, wiring, and electrical equipment N \$ 21, Femp Power Sesco Conduit, wiring, and electrical equipment N \$ 1, Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 6, Lighting Controls Sesco Conduit, wiring, and electrical equipment N \$ 3, Date Power Sesco Conduit, wiring, and electrical equipment N \$ 5, Selaant Dow Adhesive, sealant, elastomer, water proofing,		Max-R	Wood - Manufactured/compressed wood product	N	\$	2,442.
Ballards Sternberg Lighting Non-wood decking, railing, fencing, trellises, or N \$ 3, Switchgear Sesco Conduit, wiring, and electrical equipment N \$ 3, Strutes Sesco Lighting N \$ 3, Conduit, & Fittings Sesco Conduit, wiring, and electrical equipment N \$ 21, Vire Sesco Conduit, wiring, and electrical equipment N \$ 21, Vire Sesco Conduit, wiring, and electrical equipment N \$ 21, Vire Sesco Conduit, wiring, and electrical equipment N \$ 21, Vire Sesco Conduit, wiring, and electrical equipment N \$ 5, Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 6, Lighting Controls Sesco Conduit, wiring, and electrical equipment N \$ 3, Dating Controls Sesco Conduit, wiring, and electrical equipment N \$ 3,			Pipe, hose, or irrigation equipment	N	\$	547.
Switchgear Sesco Conduit, wiring, and electrical equipment N \$ Sixtures Sesco Lighting N \$ 3, Conduit, & Fittings Sesco Conduit, wiring, and electrical equipment N \$ 21, Vire Sesco Conduit, wiring, and electrical equipment N \$ 21, Femp Power Sesco Conduit, wiring, and electrical equipment N \$ 21, Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 5 Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 5 Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 5 Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 5 Ighting Controls Sesco Conduit, wiring, and electrical equipment N \$ 3, Damptroofing Master Builders Solutions Adhesive, sealant, elastomer, water proofing, N \$ 3,	Sch. 40 PVC Sleeve			N	\$	158.
Fixtures Sesco Lighting N \$ 3, Conduit & Fittings Sesco Conduit, wiring, and electrical equipment N \$ 21, Vire Sesco Conduit, wiring, and electrical equipment N \$ 21, Vire Sesco Conduit, wiring, and electrical equipment N \$ 1, Temp Power Sesco Conduit, wiring, and electrical equipment N \$ 6, Option Sesco Conduit, wiring, and electrical equipment N \$ 5 Joint Sealant Dow Adhesive, sealant, elastomer, water proofing, N \$ Option 1 compliance has been met for all eligible products Total eligible materials cost (Option 2 and Option 3 only) Total eligible products and salvaged/reused materials cost)		Sternberg Lighting	3, 3, 3, 1,	N	Ψ	3,270.
Conduit & Fittings Sesco Conduit, wiring, and electrical equipment N \$ 21, Wire Sesco Conduit, wiring, and electrical equipment N \$ 1, Femp Power Sesco Conduit, wiring, and electrical equipment N \$ 1, Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 6, Lighting Controls Sesco Conduit, wiring, and electrical equipment N \$ 6, Joint Sealant Dow Adhesive, sealant, elastomer, water proofing, N \$ 3, Dampproofing Master Builders Solutions Adhesive, sealant, elastomer, water proofing, N \$ 3 Option 1 compliance has been met for all eligible products Total eligible materials cost (Option 2 and Option 3 only) Total materials cost (less ineligible products and salvaged/reused materials cost)	Switchgear	Sesco	Conduit, wiring, and electrical equipment	N	\$	916.
Wire Sesco Conduit, wiring, and electrical equipment N \$ 1, Temp Power Sesco Conduit, wiring, and electrical equipment N \$ 1, Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 6, Jighting Controls Sesco Conduit, wiring, and electrical equipment N \$ 6, Jighting Controls Sesco Conduit, wiring, and electrical equipment N \$ 6, Joint Sealant Dow Adhesive, sealant, elastomer, water proofing, N \$ 3, Dampproofing Master Builders Solutions Adhesive, sealant, elastomer, water proofing, N \$ 3, Option 1 compliance has been met for all eligible products Total eligible materials cost (Option 2 and Option 3 only) Total materials cost (less ineligible products and salvaged/reused materials cost)						3,834
Femp Power Sesco Conduit, wiring, and electrical equipment N \$ Pole Bases Sesco Conduit, wiring, and electrical equipment N \$ 6, Jighting Controls Sesco Conduit, wiring, and electrical equipment N \$ 6, Joint Sealant Dow Adhesive, sealant, elastomer, water proofing, N \$ 3, Dampproofing Master Builders Solutions Adhesive, sealant, elastomer, water proofing, N \$ 3, Option 1 compliance has been met for all eligible products Total eligible materials cost (Option 2 and Option 3 only) Total materials cost (less ineligible products and salvaged/reused materials cost)	•					21,796
Pode Bases Sesco Conduit, wiring, and electrical equipment N \$ 6, Lighting Controls Sesco Conduit, wiring, and electrical equipment N \$						1,756
Lighting Controls Sesco Conduit, wiring, and electrical equipment N \$ Joint Sealant Dow Adhesive, sealant, elastomer, water proofing, N \$ 3, Damproofing Master Builders Solutions Adhesive, sealant, elastomer, water proofing, N \$ 3, Option 1 compliance has been met for all eligible products Total eligible materials cost (Option 2 and Option 3 only) Total materials cost (less ineligible products and salvaged/reused materials cost) Total Total S						556.
Dow Adhesive, sealant, elastomer, water proofing, N \$ 3, Dampproofing Master Builders Solutions Adhesive, sealant, elastomer, water proofing, N \$ 3, Option 1 compliance has been met for all eligible products Total eligible materials cost (Option 2 and Option 3 only) Total materials cost (less ineligible products and salvaged/reused materials cost)						6,556.
Dampproofing Master Builders Solutions Adhesive, sealant, elastomer, water proofing, N \$ Option 1 compliance has been met for all eligible products Total eligible materials cost (Option 2 and Option 3 only) Total eligible materials cost (less ineligible products and salvaged/reused materials cost) Total eligible materials cost Image: Cost (Cost of the salvaged/reused materials cost) Image: Cost of the salvaged/reused materials cost of the salvaged/reused/						76.
Option 1 compliance has been met for all eligible products Total eligible materials cost (Option 2 and Option 3 only) Total materials cost (less ineligible products and salvaged/reused materials cost)						3,420.
Total eligible materials cost (Option 2 and Option 3 only) Total materials cost (less ineligible products and salvaged/reused materials cost)		1	Adhesive, sealant, elastomer, water proofing,	N	\$	672
Total materials cost (less ineligible products and salvaged/reused materials cost)	Option 1 compliance has been met for a	all eligible products				
Total materials cost (less ineligible products and salvaged/reused materials cost)	Total eligible materials cost (Option 2 a	nd Option 3 only)				
					_	
Percent materials meeting Option 2 (%)	i otal materials cost (less ineligible prod	ucts and salvaged/reused r	naterials cost)			
.	Percent materials meeting Option 2 (%)					

Advocacy Letters

See apendix C for copies of letters sent. Advocacy letters have been sent to the following list of suppliers/manufacturers:

Total Cost of Total Cost of Product type is Supporting Option 1 Letter Option 2 Materials Option 3 Materials Option eligible for credit Sent (Y or N) Documentation Ν N/A N/A • Ν N/A N/A Υ \$ Υ S Y Υ s \$ Y \$ \$ Υ Υ Υ s \$ s \$ V • Y Y S \$ Υ Υ \$ \$ γ Υ \$ \$ V V \$ \$ Υ \$ \$ Υ Y Y \$ \$ Υ \$ Υ \$ Y \$ \$ Y Υ Υ \$ \$ \$ \$ Υ Υ \$ \$ Υ \$ Υ \$ Υ \$ Υ \$ Υ Υ s \$ Y s \$ Υ Y Υ s \$ Υ Υ \$ \$ Y \$ \$ Y Υ V \$ \$ Υ Υ \$ \$ Y Y \$ \$ Υ \$ \$ Y Y \$ \$ \$ Υ Υ \$ Y \$ \$ Υ \$ Υ \$ Y Υ \$ \$ Υ Υ \$ \$ Υ Υ s \$ Υ Υ \$ \$ Y Υ s \$ γ s \$ v Υ Y \$ \$ Υ v \$ \$ Y Y \$ \$ Y \$ \$ Y Y \$ \$ Y \$ \$ Υ Y \$ \$ Y \$ \$ Υ Υ \$ \$ \$ \$ \$ Υ \$ Yes \$ -\$ s 251,764.99

cally available information meeting the requirements of this credit no letter needs to be submitted, but the project

• Amerimix

- Anderson Columbia
- Armstrong
- Barry Pattern
- Bell Concrete
- Cemex
- CertainTeed
- Cherokee
- ClarkDietrich
- Clear Image Signs
- Cubic Transportation
- DCP
- Dow Corning
- DuPont
- Elixson Wood Products
- Garden State Tile
- GCP
- Gulf Coast
- Handi-Hut
- HD Whitecap
- Holt Metals
- Home Depot
- Hunter Industries
- Huntsman Building Solutions
- Hutchinson Welding
- JM Eagle
- Kawneer

0.00%

- Keystone Ridge Designs
- Landscape Forms
- LG
- Limerock Industries
- Ludowici
- Master Builders Solutions
- Max-R
- NDS Inc.
- OEC
- Oldcastle Infrastructure
- O'Steen Bros
- Peak Racks
- Permaloc
- Perry Roofing
- Pine Hall Brick
- Rain Bird
- Rainbow
- Sanderson Pipe
- Sesco Lighting
- Sherwin-Williams
- Spec Mix
- Spring Precast
 - SRM Sternberg Lighting
- UF
- Watson Concstruction

CREDIT 5.10 SUPPORT SUSTAINABILITY IN PLANT PRODUCTION

Materials Worksheet

Goal: 1 points

SITES[®] v2 Materials Worksheet

C5.10: SUPPORT SUSTAINABILITY IN PLANT PRODUCTION

INSTRUCTIONS:

 Only plants, sod, and seed are included in this credit. If any materials supplier provides publically available information meetin "Supporting Documentation" and "Option 1 Letter Sent" Columns under this credit.

River Birch Cherry Lake Tree Farm Plant \$ 7 Crape Myrtle Cherry Lake Tree Farm Plant \$ 2,00 Chickasaw Plum Half Moon Growers Plant \$ 2,00 Chickasaw Plum Half Moon Growers Plant \$ 2,00 Chickasaw Plum Half Moon Growers Plant \$ 2,00 Oak Trees Cherry Lake Tree Farm Plant \$ 2,41 Podocarpus Cherry Lake Tree Farm Plant \$ 1,31 Azaleas Cherry Lake Tree Farm Plant \$ 1,33 Liriope Cherry Lake Tree Farm Plant \$ 2,33 Pinestraw University of Florida Mulch - other \$ 3,33 Pinestraw University of Florida Mulch - other \$ 1,51 Sabal Palm - 20 OA Height TNT Nursery Plant \$ 3,33 Sum Chestnut Oak Half Moon Growers Plant \$ 3,34 Dogwood 3" University of Florida	Description of Material	Manufacturer or Supplier Name	Material/Product Type		al Cost of Iaterial
Cape Mynie Cherry Lake Tree Fam Plent \$ 2.0 Chickasse Plum Haf Moon Groves Plent \$ 2.0 Chickasse Plum Haf Moon Groves Plent \$ 2.0 Chickasse Plum Cherry Lake Tree Fam Plent \$ 2.0 Maily Gass Cherry Lake Tree Fam Plant \$ 1.3 Line Cherry Lake Tree Fam Plant \$ 1.3 Line Cherry Lake Tree Fam Plant \$ 1.3 Line Cherry Lake Tree Fam Plant \$ 1.3 Station Howening of Finchio Modr. Natural Lumber \$ 1.4 Station University of Finchio Courrele \$ 1.4 Station University of Finchio Courrele \$ 1.9	Pivor Pirch			•	740.0
Longing Pinen Haff Moon Groves Pland \$ 2.0 Chart Snees Cherry Lake Tree Fam Plant \$ 2.4 Mahly Grass Cherry Lake Tree Fam Plant \$ 2.4 Mahly Grass Cherry Lake Tree Fam Plant \$ 1.5 Variales Cherry Lake Tree Fam Plant \$ 1.5 Variales Cherry Lake Tree Fam Plant \$ 5.7.3 Samp Chestruk Cherry Lake Tree Fam Plant \$ 5.7.3 Samp Chestruk Otak Haff Moon Groves Plant \$ 5.7.3 Samp Chestruk Otak Haff Moon Groves Plant \$ 5.7.3 Samp Chestruk Otak Haff Moon Groves Plant \$ 5.7.3 Social Ranss Booming House Nutery Plant \$ 7.9.4 7.9.4 Statistan Plant Concertes Social Administic Concerte \$ 7.9.4 Statistan Plant Concertes University of Flonda Luping Groups \$ 7.9.4 Statistan Adminitititi University of Flon					1,295.0
Dr.Alarsen Haff Moon Growers Plant \$ \$ 2 Marty Gass Cherry Lake Tree Fam Plant \$ 2 Marty Gass Cherry Lake Tree Fam Plant \$ 1.5 Audeas Cherry Lake Tree Fam Plant \$ 1.5 Jales Cherry Lake Tree Fam Plant \$ 1.5 Janged Cherry Lake Tree Fam Plant \$ 2.5 Jasmine Rode Goundcovers, Ire Plant \$ 2.5 Swamp Cherthul Cak Half Moon Growers Plant \$ 1.5 Swamp Cherthul Cak Half Moon Growers Plant \$ 3 3 Sockoka Rose Blooming House Narrey Plant \$ 1.6 3					2,035.0
Dat. Tess Cherry Luke Tree Fam Plant \$ 2. Marky Grass Cherry Luke Tree Fam Plant \$ 1. Polocarpua Cherry Luke Tree Fam Plant \$ 1.0. Linke Cherry Luke Tree Fam Plant \$ 1.0. Linke Cherry Luke Tree Fam Plant \$ 5. 1.0. Linke Cherry Luke Tree Fam Plant \$ 5. 1.0. Samp Cheratin Colk Hall Moon Concers Plant \$ 1.0. Sonckout Roses Blooming House Nursey Plant \$ 1.0. Sonckout Roses Blooming House Nursey Plant \$ 1.0. Dreveato Concret Bendes University of Florida Wood - NaturalLumbert \$ 1.0. Dreveato Concret Bendes University of Florida Couc or processed stom \$ 1.0. Dreveato Roses University of Florida Couc or processed stom \$ 1.0. Dreveato Roses University of Florida Couc or processed stom \$ <td></td> <td></td> <td></td> <td></td> <td>660.0</td>					660.0
Weby Ganss Cherry Lake Tree Fam Plint \$ \$ Ataleas Cherry Lake Tree Fam Plint \$ 1.5 Lilies Cherry Lake Tree Fam Plint \$ 1.5 Lilies Cherry Lake Tree Fam Plint \$ 2.5.7 Jasmine Rode Goundcovers, Inc Plint \$ 2.5.7 Swamp, Chesthul Cak. Half Moon Growers Plint \$ 1.5.1 Skale Plant, 200 A Height TNT Nursery Plint \$ 1.6 Skale Plant, 200 A Height TNT Nursery Plint \$ 1.6 Plant University of Florida Moon Haundaturedformpressed wood \$ 1.6 Deprodo 3' University of Florida Konen Maundaturedformpressed wood \$ 1.6 Plant Station University of Florida Concrute Maundaturedformpressed wood \$ 1.6 Lijds florid University of Florida Concrute Maundaturedformpressed stone \$ 1.0 Lijds florid University of Florida Concrute Maundaturedformole \$					2,405.0
Octoorpuin Cherry Lake Tree Farm Plant \$ 1.5 Jates Cherry Lake Tree Farm Plant \$ 1.5 Jates Cherry Lake Tree Farm Plant \$ 5 1.5 Jates Cherry Lake Tree Farm Plant \$ 5	Muhly Grass		Plant		4,140.0
Liles Cherry Lake Tree Fam Plunt \$ 1.0. Jasmine Rode Groundcovers, inc Plant \$ 2.3 Ansmiro Rode Groundcovers, inc Plant \$ 1.4 Smart Chernut Oak Hall Moon Crowers Plant \$ 1.4 Grockout Rokes Blooming House Nursery Plant \$ 1.4 Grockout Rokes Blooming House Nursery Plant \$ 1.4 Lijo of the Nile University of Florida Wood - Natural Lumbar \$ 1.4 Lijo of the Nile University of Florida Wood - Natural Lumbar \$ 1.4 Lijk of the Nile University of Florida Koot-Natural Lumbar \$ 1.4 Lijk of the Nile University of Florida Koot-Natural Lumbar \$ 1.0 Star Arma & Mechanical Elements University of Florida Cut or processed stone \$ 1.0 Staring Backorko Preventor - Oucbus Bel Concrete Products Bick or masony unit \$ 1.1 Staring Backorko Preventor - Oucbus Bel Concrete Products Bick or masony unit \$ 1.1 Staring Backorko Preventor - Oucbus Bel Concrete Products Bick or mas			Plant		1,590.0
Jines Cherry Lake Tree Fam Plant \$ 1.5 Jampie Cherry Lake Tree Fam Plant \$ 5.7 Jammie Rods Goundscers, Ire Plant \$ 2.3 Simatraw University of Fiorda Much - other \$ 1.4 Simatraw Bioming House Name Plant \$ 1.4 Cockoku Roses Bioming House Name Plant \$ 3.1 Jy of the Nile University of Florida Wood - Natural Lumber \$ 3.1 Zim Recording Station University of Florida Wood - Natural Lumber \$ 1.0 Stata Arma Monematic Of Florida Corduit, wirring, and electrical expirent \$ 1.0 Stata Arma Monematic Of Florida Corduit, wirring, and electrical expirent \$ 1.0 Stata Arma Monematic Of Florida Cur or processed stone \$ 1.0 Stata Arma Monematic Of Florida Cur or processed stone \$ 1.0 Stata Arma Monematic Of Florida Cur or processed stone <	Azaleas	Cherry Lake Tree Farm	Plant	\$	1,335.0
Isamine Rode Groundscovers, IN Plant \$ 2.3 Pinestraw University of Florida Mulch - other \$ 1.50 Samp Chestrut, Oak Biodring House Nursey Plant \$ 1.11 Scheckort Roses Biodring House Nursey Plant \$ 1.11 Sabal Path:-20 COA Height TINT Nursey Plant \$ 1.41 Juy of the Nile University of Florida Koork- Natural Lumber \$ 1.61 Opgonod 3' University of Florida Concrete \$ 1.64 Juy of the Nile University of Florida Concrete \$ 1.64 Staff Florida University of Florida Conduit, wiring, and electrical equipment \$ 1.2.64 Staff Florida University of Florida Cut or processed store \$ 1.60 Staff Florida Edentration University of Florida Cut or processed store \$ 2.2.6 Staff Florida Edentration University of Florida Concrete Norta \$ 1.60 0.60		Cherry Lake Tree Farm	Plant		1,020.0
Inserting University of Fonda Much - other \$ 1.5 Simup Chestruit Oak Haff Moon Grower Plant \$ 11 Schedult Roses Biooming House Numery Plant \$ 11 Sabal Plant20' OA Height TNT Nursery Plant \$ 14 Jup of the Nile University of Fonda Wood - Natural Lumber \$ 11 Terre Rosycling Station University of Fonda Concrete \$ 6.64 Jup Fibrures University of Fonda Concrete \$ 5 5.64 Jup Fibrures University of Fonda Concrete \$ 5 5.64 Jup Fibrures University of Fonda Concrete \$ 5 5.64 Jake Arma & Mechanical Elements University of Fonda Cut or processed store \$ 1.0 Stating Backflow Preventor - Double University of Fonda Cut or processed store \$ 1.0 Stating Backflow Preventor - Double University of Fonda Concrete \$ 2.3 MU Biock - Abar	_iriope	Cherry Lake Tree Farm	Plant	\$	5,728.0
Samp Detstud Qak Haf Moon Growers Plant \$ 1 Concluct Roses Bicoming House Nursery Plant \$ 1 Jug of the Nile University of Florida Plant \$ 1 Jug of the Nile University of Florida Wood - Natural Lumber \$ 1 Tim Rezycling Station University of Florida S 5,4 APS Signage University of Florida University of Florida Cut or processed stone \$ 1,2,6 Signela Repair Station University of Florida Cut or processed stone \$ 1,2,6 Signela Relax Preventor - Duble University of Florida Cut or processed stone \$ 1,2,6 Statif BackTow Preventor - Duble University of Florida Cut or processed stone \$ 1,2,6 Statifi BackTow Reventor - Duble University of Florida Concrete \$ 1,2,8 MuBiock - SaktAf Bell Concrete Products Bick or masony	Jasmine	Rode Groundcovers, Inc	Plant	\$	2,376.0
Guodaud Roses Biooming House Nursery Plant \$ 11 abala Paint-20 OA Height INT Nursery Plant \$ 1.4 yof the Nile University of Florida Wood - Natural Lumber \$ 1.9 Terr Resping Station University of Florida Wood - Natural Lumber \$ 5 6.4 Terr Resping Station University of Florida Concrete \$ 5 6.4 Light Florivers University of Florida Concrete \$ 5 5.4 Light Florivers University of Florida Concrete \$ 5 5.4 Light Florivers University of Florida Cut or processed store \$ 1.0 State Arms & Mechanical Elements University of Florida Cut or processed store \$ 1.0 State Arms & Mechanical Elements University of Florida Cut or processed store \$ 1.2 State Arms & Mechanical Elements University of Florida Cut or processed store \$ 1.2 State Arms & Mechanical Elements University of Florida	Pinestraw	University of Florida	Mulch - other	\$	1,500.0
Stade Pain-20 CA Height INT Nursery Plant \$ 1,4 Jly of the Nile University of Florida Wood - Marutaral Lumber \$ 3 Tiler Recycling Station University of Florida Wood - Marutaral Lumber \$ 6,1 Tiler Recycling Station University of Florida Wood - Marutaral Lumber \$ 6,1 Tiler Recycling Station University of Florida Concrete \$ 6,4 Light Florida University of Florida Concorte \$ 5,4 Carl State Arma & Machanical Elements University of Florida Conduit, wring, and electrical equipment \$ 12,5 State Arma & Machanical Elements University of Florida Conduit, wring, and electrical equipment \$ 12,6 State Stating BacKlow Preventor - Double University of Florida Cut or processed store \$ 2,2 Double Block- Backt University of Florida Cut or processed store \$ 1,9 Stating BacKlow Preventor - Double Bick or masonry unit \$ 1,1 DAU Bock - Backt Bell Concrete Products Bick or masonry unit \$ 1,1 MU Block - Backt Bell Concrete Products Bick or masonry unit \$ 1	Swamp Chestnut Oak	Half Moon Growers	Plant	\$	80.0
Jij of the Nie Uwersity of Forda Wood - Natural Lumber \$ 3 Dogwood 3" University of Forda Wood - Natural Lumber \$ 10 Ter Resycling Station University of Forda Wood - Natural Lumber \$ 6.1, Sight Fixtures University of Forda Concrete \$ 6.4, Jight Fixtures University of Forda Concrete \$ 5.4, TAPS Signage University of Forda Concrete \$ 1.0, State Arms & Mechanical Elements University of Forda Conduct, wiring, and electrical equipment \$ 12,5, State Arms & Mechanical Elements University of Forda Conduct, wiring, and electrical equipment \$ 12,6, State Arms & Mechanical Elements University of Forda Conduct, wiring, and electrical equipment \$ 12,6, State Arms & Mechanical Elements University of Forda Conduct, wiring, and electrical equipment \$ 12,0, State Arms & Mechanical Elements University of Forda Conduct, wiring, and electrical equipment \$ 12,0, State Resks University of Forda Concrete \$ 1,0, Datable Brocke Resks University of Forda Concrete \$ 1,0, University of Forda Concrete 0 \$ 1,0, University of Forda Concrete \$ 2,2,0, State State Resks University of Forda Concrete \$ 2,2,0, State State State Bell Concrete Products Brick or masony unit \$ 1; State, State State Bell Concrete Products Brick or masony unit \$ 1; State, State State Concrete Products Brick or masony unit \$ 1; State, State State Concrete Products Brick or masony unit \$ 1; State, State State Concrete Products Brick or masony unit \$ 1; State State State Concrete Products Brick or masony unit \$ 1; State State Plane REFI REFI REFI REFI REFI REFI REFI State Plane	Knockout Roses	Blooming House Nursery	Plant	\$	150.0
Degreeod 3' University of Fonda Wood - Manufactured/compressed wood \$ 0.11 2 Ther Recycling Station University of Fonda Wood - Manufactured/compressed wood \$ 0.11 Precasel Concrete Benches University of Fonda Loncrete \$ 6.4.1 Light Fixtures University of Fonda Lonversity of Fonda Lonversity of Fonda Lonversity of Fonda Concrete \$ 5.4.1 ATAPS Signage University of Fonda Cut or processed stone \$ 1.0.0 \$ 1.2.6 State Amas & Machanical Elements University of Fonda Cut or processed stone \$ 2.0.0 Stopic Repair Station University of Fonda Cut or processed stone \$ 1.0.0 Stopic Repair Station University of Fonda Cut or processed stone \$ 1.9.0 Multiok - Stakt 6 Bell Concrete Products Brick or masony unit \$ 6.4.1 Multiok - Stakt 6 Bell Concrete Products Brick or masony unit \$ 6.4.2 Multiok - Stakt 6 Bell Concrete Products Brick or masony unit \$ 6.4.2 Star - Staff 2: Xa 7 x 7.5.0° Chereke Brick or masony unit \$ 6.4.2 Multi - onter	Sabal Palm- 20' OA Height	TNT Nursery	Plant	\$	1,440.0
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Precest Concrete Benches University of Florida Concrete \$ 6.44 Light Flotures University of Florida Non-wood decking, railing, fencing, trellises, or \$ 5.4.4 AFPS Signage University of Florida Non-wood decking, railing, fencing, trellises, or \$ 5.4.4 AFPS Signage University of Florida Cut or processed stone \$ 1.0.9 Stack Tars & Machanical Elements University of Florida Cut or processed stone \$ 1.8.9 Stacking Backflow Preventor - Double University of Florida Cut or processed stone \$ 1.9.0 Dauble Bicycle Racks University of Florida Cut or processed stone \$ 1.9.0 Dauble Bicycle Racks University of Florida Concrete \$ 1.9.0 Dauble Bicycle Racks University of Florida Concrete \$ 1.9.0 Charcke Balt A concrete Balt A concrete \$ 4.2.0 Charcke Balt A concrete S 1.9.0 \$ 1.9.0 Charcke Balt A concrete S 4.2.0	Dogwood 3"	University of Florida	Wood - Natural Lumber	\$	100.0
jght Fordram University of Florida Upthing \$ 25,93 Sollards University of Florida Non-wood decking, rellinge, trellinge, tot is 5,44 APS Signage University of Florida Conduit, wing, and electrical equipment \$ 12,95 Signale Raws University of Florida Conduit, wing, and electrical equipment \$ 12,95 Signale Raws University of Florida Cut or processed stone \$ 2,00 Dauble Bicyle Raks University of Florida Cut or processed stone \$ 2,25 Cancrete Wood Benches University of Florida Concrete \$ 2,27 CAU Block - Sa%t16 Bell Concrete Products Brick or masory unit \$ 1; CAU Block - Sa%t16 Bell Concrete Products Brick or masory unit \$ 4; Soncrete - 3000 CMG Cell Fill CEMEX Concrete \$ 2,32 Carete - 3000 CMG Cell Fill CEMEX Concrete \$ 1,72 Cale A - 30 REFI #REFI #REFI #REFI #REFI #REFI 4,24 Sold Intherain Product Broidous and Intherain Product Broi	2 Tier Recycling Station	University of Florida	Wood - Manufactured/compressed wood	\$	9,105.0
Light Fordram University of Florida Lighting \$ 2.5.9 Sollards University of Florida Cut or processed store \$ 1.0.4 APS Signage University of Florida Conduit, wring, and electrical equipment \$ 1.2.6 Sidnofa University of Florida Conduit, wring, and electrical equipment \$ 1.2.6 Sidnofa University of Florida Cut or processed store \$ 1.2.6 Sidnofa Back Sins University of Florida Cut or processed store \$ 1.2.6 Sidnofa Back Sins University of Florida Concrete \$ 1.2.6 Sidnofa Bell Concrete Products Brick or masony unit \$ 1.2 Sidnofa Spec Mix Concrete \$ 2.2 Sidnofa Spec Mix Concrete \$ 2.3 Sidnofa Spec Mix Concrete \$ 2.4 Sidnofa Spec Mix Concrete \$ 2.3 Sidnofa Spec Mix Concrete \$		University of Florida	Concrete		6,400.0
Solards University of Florida Non-wood decking, railing, fencing, trellises, or \$ 5,44 FAPS Signage University of Florida Cut or processed stone \$ 1,0 Stack Arms & Mechanical Elements University of Florida Cut or processed stone \$ 2,0 Signage University of Florida Cut or processed stone \$ 2,0 Signage Repair Station University of Florida Cut or processed stone \$ 2,0 Souche Belgycle Racks University of Florida Cut or processed stone \$ 2,2 Souche Belgycle Racks University of Florida Cut or processed stone \$ 2,2 ZMU Block - 8x8x16 Bell Concrete Products Brick or masony unit \$ 1,1 ZMU Block - 8x8x16 Bell Concrete Products Brick or masony unit \$ 2,2 Since - 3x607 x 2/14* x7-58° Cherckee Brick or masony unit \$ 1,178,7 Since - 3x607 x 2/14* x7-58° Cherckee Sinck or masony unit \$ 1,178,7 Since - 3x607 x 2/14* x7-58° REFI REFI REFI REFI REFI Since - 3x607 x 2,147 \$ 1,178,7 Sind Hudch - wood					25,900.0
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Concrete/Wood Benches University of Florida Concrete \$ 1,7 XML Block - 8x8x16 Bell Concrete Products Brick or masonry unit \$ 1,9 XML Block - 8x8x16 Bell Concrete Products Brick or masonry unit \$ 6,4 XML Block - 8x8x16 Cherokee Brick or masonry unit \$ 6,4 Xortar Spee Mix Concrete \$ 2,3 Xortar Spee Mix Concrete \$ 4,2 XREFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #aterial Product Dropdown Image: Spee Mix Image: Spee Mix Youd value for applicable products and Image: Spee Mix Image: Spee Mix Yant Image: Spee Mix Image: Spee Mix Image: Spee Mix Seed Image: Spee Mix Image: Spee Mix Image: Spee Mix Yant Image: Spee Mix Image: Spee Mix Image: Spee Mix Yant Image: Spee Mix Image: Spee Mix Image: Spee Mix Yant Image: Spee Mix Image: Spee Mix Image: Spee Mix Yant Image: Spee Mix Image: Spee Mix Image: Spee Mix Yant Image: Spee Mix Image: Spee Mix Imag	Double Bicycle Racks				2,200.
2MU Block - 8x8x16 Bell Concrete Products Brick or masonry unit \$ 1,9 MU Block - 8x8x16 Bell Concrete Products Brick or masonry unit \$ 6,4 Afortar Spec Mix Concrete \$ 2,3 Concrete - 3000 CMG Cell Fill CEMEX Concrete \$ 4,2 REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #REFI #aterial Product Dropdown		-			1,700.
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sink - 3-5/8" x 2-1/4" x 7-5/8" Cherokee Brick or masonry unit \$ 6,4; Aortar Spec Mix Concrete \$ 2,3; Soncreto - 3000 CMG Cell Fill CEMEX Concrete \$ 4,2; IREFI #REFI #REFI #REFI #REFI IREFI #REFI #REFI #REFI #REFI IRErI #REFI #REFI #REFI #REFI IRefine Orduct Dropdown					127.
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Material Product Dropdown Plant Plan					178 701
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Soil Mulch - wood Autor - Autor					
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Sand (if used as a soil amendment)					
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Aggregate/gravel				 	
Sand (if used as a base course material)		<u> </u>	<u> </u>	┝───	
Dther materials or base course layers				 	
Vood - Manufactured/compressed wood				 	
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Pipe, hose, or irrigation equipment				 	
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iand (for purposes other than soil laint or coating diversity sealant, elastomer, water surfacing materials and option 1 compliance has been met for all eligible products Total eligible materials cost (Option 2 and Option 3 only)				 	
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Total eligible materials cost (Option 2 and Option 3 only)			L	L	_
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Ig the requirements of this credit no letter needs to be submitted, but the project should still choose "Y" in the

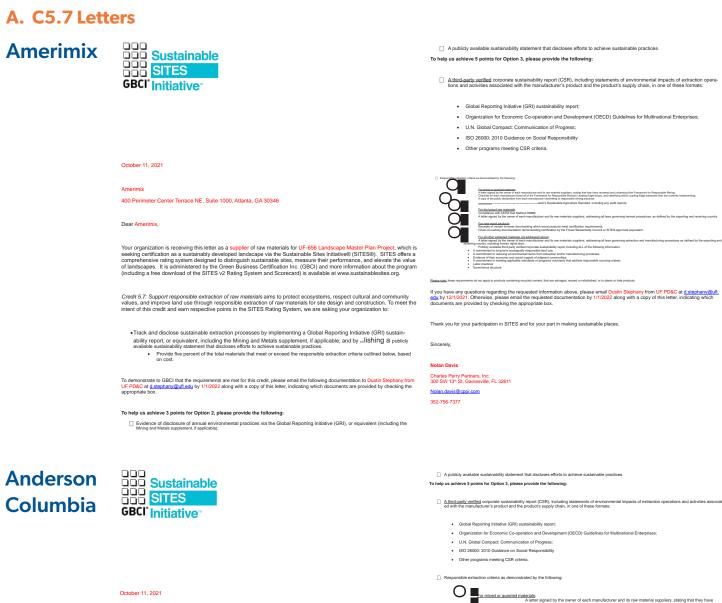
Product type is eligible for credit	Option	Supporting Documentation	Option 1 Letter Sent (Y or N)	Total Cost of Option 2 Materials	Total Cost of Option 3 Materials
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					0.00%

Advocacy Letters

See apendix C for copies of letters sent. Advocacy letters have been sent to the following list of suppliers/manufacturers:

- Blooming House Nursery
- Cherry Lake Tree Farm
- Elixson Wood Products
- Half Moon Growers
- Rode Groundcovers
- Tater Farms
- TNT Nursery
- UF
- Woerner Farms

SECTION 5 - APPENDIX



Anderson Columbia 871 NW Guerdon St, Lake City, FL 32055

Dear Anderson Columbia.

Your organization is receiving this letter as a provider of raw materials for UF-656 Landscape Master Plan Project, which is seeking certification as a sustainably developed landscape via the Sustainable Sites Initiative® (SITES®), SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (SICC) and more information about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesites. org.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecceystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by pub-lishing a publicy available sustainability statement that discloses efforts to achieve sustainable practices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany</u> myoufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Evidence of disclosure of annual enviro supplement, if applicable): ental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals

- or mined of quartied materials: and the signed by the owner of each manufacture and its new material suppliers, stating that they have weivered and understood the Framework for Responsible Mining: Checklist for each manufacture truties of a othe Framework for Responsible Mining's Leading Edge issues, and identifying which Leading Edge measures they are currently implementing: A copy of the public declaration time each manufacture committing to responsible mining practices. \bigcirc Eor bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable Agriculture including any audit reports; Ő Ο Receipts of vendor invoices documenting which wood products meet certification requirements; Chain-of-custody documentation demonstrating certification by the Forest Stewardship Council or SITES-ap d equivalent Al offer extracted materials not addressed above:
 Al other signed by the owner of each manufacturer products as a defined by the exporting and receiving country, including human rights law;
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 A commitment to long-term ecologically responsible and use;
 A commitment to reducing environment alterms of adjacent communities;
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irements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD8C at <u>d stephany@ull edu</u> by 12/1/2021. Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 352-756-7377



Armstrong

Barry

Pattern



October 11, 2021

Armstrong World Industries 2500 Columbia Ave Bldg 701, Lancaster, PA 17603

Dear Armstrong World Industries

Your organization is receiving this letter as a manufacturer of raw materials for UF-856 Landscape Master Ptan Project, which is seeking certification as a sustainably developed landscape via the Sustainable Sites Initiative® (SITESØ). SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the value of landscape. It is administered by the Green Business Certification Inc. (GBCI) and more information about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at tww.sustainablesites.org.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the STRES Rating System, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achive sustainability practices.
 Provide five parcent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PDRC at <u>d_stephany@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the anonnorise here.

To help us achieve 3 points for Option 2, please provide the following:

- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable);
- A publicly available sustainability statement that discloses efforts to achieve sustainable practices To help us achieve 5 points for Option 3, please provide the following:

Sustainable

GBCI Initiative

October 11, 2021

Barry Pattern & Foundry, Inc.

3333 35th Ave N, Birmingham, AL 35207

Dear Barry Pattern & Foundry, Inc,

- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

- Global Reporting Initiative (GRI) sustainability report;
- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following

Adder and a state and a state of a sch manufacture and its raw material suppliers, stating that they are reviewed and understated the Framework for Responsible Mining. Checklin for each manufacture listed all of the Framework for Responsible Mining Landing Edge sease, and identifying which Landing Edge manues the tware currently implementing. Accept of the public declaration from each manufacture committing to responsible mining practices. Accept of the public declaration from each manufacture is out standard between the statement of the statement of the public declaration from each manufacture. Eor bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable ture Standard, including any audit reports; O r.bic-based raw materials: Compleance with ASTM Test Method D6866; A letter signed by the owner of each manufacturer and its raw materials suppliers, addressing all laws governing harvest procedures, as defined by the exporting and receiving country. rnew wood products: Receipts of vendor invoices documenting which wood products meet certification requirements; Chain-d-custody documentation demonstrating certification by the Forest Stewardship Council or SITES-approved equivalent. SII Configurement extracted materials not addressed above: Aletter signed by the owner of each manufacturer and its raw materials suppliers, addressing all was governing extraction and manufacturing procedures as defined by the exporting and receiving country, including uman rights laws; Drakitv available third-party verified corporate sustainability report including ALL of the following

- - information:

 - nformation: A commitment to long-term ecologically responsible land use; A commitment to reducing environmental harms from extraction and/or manufacturing processes; Evidence of their economic and social support of adjacent communities; A commitment to meeting applicable standards or programs voluntarily that address responsible sourcing criteria; Labor practices
 Governance structure

Please note; these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distephany@ufledu</u> by 12/1/2021. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 lolan.davis@cppi.com

352-756-7377

Global Reporting Initiative (GRI) sustainability report:

- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress
- ISO 26000: 2010 Guidance on Social Responsibility
- Other programs meeting CSR criteria

Responsible extraction criteria as demonstrated by the following:

Thank you for your participation in SITES and for your part in making susta





se note; these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany third adv</u> by 121/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the STESR standing System, we are assisting your organization to :

Your organization is receiving this latter as a manufacturer of new materials for UP-655 Landscape Master Plan Project, which is seeking certification as a subanably developed indextope via the Satabable Sites Initiatived (SITES6). SITES divers a comprehensive rating system designed to disrupuish subanable sites, measure there performance, and evaluate the viaka or Indextoper. It is devined or by the Green Busines Certification Inc. (GEC) and more information about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at www. subtanablesiane.cg

 Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, Il applicable; and by publishing a publicly available sustainability statement that disclose efforts to achieve sustainable practices. · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d_stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable); A publicly available sustainability statement that discloses efforts to achieve sustainable practices.

To help us achieve 5 points for Option 3, please provide the following:

<u>Athird-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

Charles Perry Partners, Inc. 300 SW 13ⁿ St. Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Nolan Davis

185





October 11, 2021

Dell	Concrete	PTOC	ucis
2480) US-129	, Bell,	FL 32619

Dear Bell Concrete,

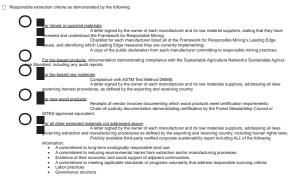
Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Ratin System, we are asking over organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metal's supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

- To help us achieve 3 points for Option 2, please provide the following:
- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, If applicable);
- A publicly available sustainability statement that discloses efforts to achieve sustainable practices
- To help us achieve 5 points for Option 3, please provide the following:
- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

- Global Reporting Initiative (GRI) sustainability report;
- Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide modules.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distributive</u> by 12/1/2022 Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377





October 11, 2021

305 SW Depot Ave, Gainesville, FL 32601

Dear Cemex

Your organization is receiving this letter as a provider of raw materials for UF-556 Landscape Master Plan Project, which is seeking certification as a sustain-ably developed landscape via the Sustainable Sites Initiative® (SITES) of Ins a competensive rating system designed to distinguist, sites, measure their performance, and elevate the value of landscape. It is administered by the Green Busines Certification (CBCI) and more informa-tion about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesites.org.

edit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through ponsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the STES Rating stem, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to active sustainable practices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable); A publicly available sustainability statement that discloses efforts to achieve sustainable nractices To help us achieve 5 points for Option 3, please provide the following:

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

- Global Reporting Initiative (GRI) sustainability report:
- Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress; ISO 26000: 2010 Guidance on Social Responsibility
- Other programs meeting CSR criteria

Responsible extraction criteria as demonstrated by the following:

or mined or uquinted materials: A letter signed by the owner of each manufacturer and its raw material suppliers, stating that they are treleved and understood the Paramevork for Responsible Mining. Decksist for each manufacture risked of the Paramevork for Responsible Mining's Leading Edge sues, and identifying which Leading Edge massure they are currently implementing. A copy of the public declaration three manufacturer risked and manufacture committing to responsible mining practices. Ο For bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable are Standard, including any audit reports; O of bic-based raw materials: Compliance with ASTM Test Method D6868; A letter signed by the owner of each manufacturer and its raw materials suppliers, addressing al laws governing harvest procedures, as defined by the exporting and receiving country. O

Receipts of vendor invoices documenting which wood products meet certification requirements; Chain-of-custody documentation demonstrating certification by the Forest Stewardship Council or STES-approved equivatent. A table is say materials suppliers, addressing all Alters signed by the owner of each manufacturer and its raw materials suppliers, addressing all Meters signed by the owner of each manufacturer and its raw materials suppliers, addressing all we governing extraction and manufacturing procedures as defined by the exporting and receiving country, including human gits law; Publicly available third-party verified corporate sustainability report including ALL of the following

- termation: A commitment to long-term ecologically responsible land use: A commitment to long-term ecologically responsible land use: Evidence of their economic and accel lands from cancel and acceleration and/or manufacturing processes; Evidence of their economic and accel support of adjacent communities: A commitment to meeting applicable standards or programs voluntarily that address responsible sourcing criteria; Labor practices Governance structure

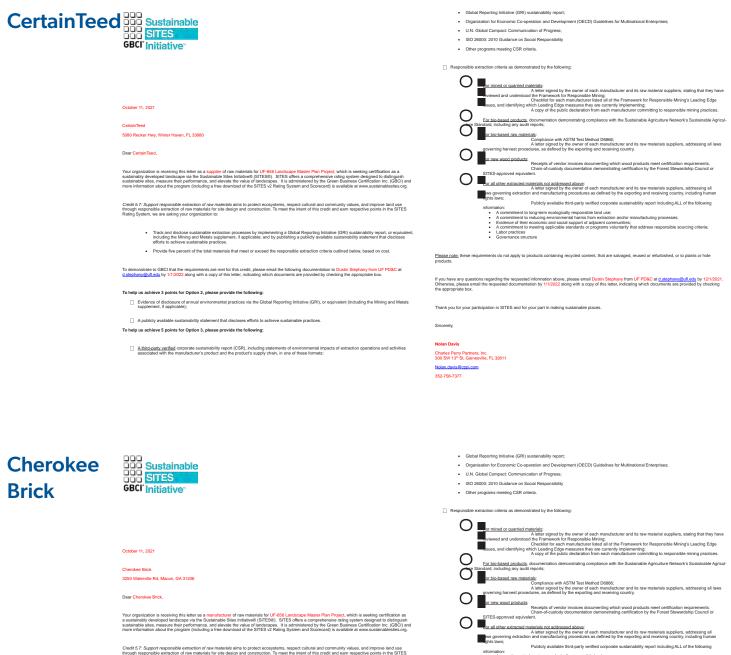
Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email **Dustin Stephany** from UF PD&C at <u>distributing the dusting</u> by 121/2022. Otherwise, please emails the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Nolan Davis



Your organization is notiving bis later as a manufacture of raw materials to UF-BGL tandscape Master Plan Project, which is earling of which as a standard dy dworded intracape via its a bismatable Siles (TBS) of TES defines a comprehense larging system designed to distinguist statisticated activity of the program (including a fee dworded of the STIS of Range) System and Societaria (a statistication testing system as a more information about the program (including a fee dworded of the STIS of Range) System and Societaria (a statistication testing system) as autiabilities and the program (including a fee dworded of the STIS of Range) System and Societaria (a statistication testing system) and the statistication activity of the STIS of Range) and the STIS of Range).

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To help us achieve 3 points for Option 2, please provide the following

Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement. if applicable): A publicly available sustainability statement that discloses efforts to achieve sustainable practices

To help us achieve 5 points for Option 3, please provide the following:

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Thank you for your participation in SITES and for your part in making sustainable places

Publicly available third-party verified corporate sustainasmy report moments -information: A commitment to long-term ecologically responsible land use; A commitment to incelute any innovational harms from eradiation and/or manufacturing processes; A commitment to meeting applicable standards or programs voluntarily that address responsible sourcing oriteria; Labor practications. Governance structure

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ull.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the accronizate box.

Clark Dietrich



October 11, 2021 ClarkDietrich

38020 Pulp Dr, Dade City, FL 33523

Dear ClarkDietrich,

r agenzianio is inciving his biter as a mandacture of raw materials for UF-661 androgen Matter PIN Project, which is setting estification as a trainably developed indicacy wite NF scientials State Initiation (SITESI). SITES for a comprehension rangi system designed to distinguis trainably developed indicacy wite NF science and eveloped the value of landscapes. It is administered by the Green Business conflicteness for the main about the program (including a feet developed de value of landscapes. It is administered by the Green Business conflicteness for the developed developed developed the SITES of a state SITE of the SITES of SITES of SITES of the SITES

Credit 5.7 Support responsible extraction of raw materialst aims to protect ecosystems, respect cultural and community values, and improve land use thirr responsible extraction of raw materials for tale design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to :

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses effort to achieve sustainable practices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

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- To help us achieve 3 points for Option 2, please provide the following:
- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable);
- A publicly available sustainability statement that discloses efforts to achieve sustainable practices To help us achieve 5 points for Option 3, please provide the following:
- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activ associated with the manufacturer's product and the product's supply chain, in one of these formats:



October	11,	2021	

Clear Image Signs 1901 NW 67th PL Unit A, Gainesville, FL 32653

Dear Clear Image Signs,

Your capacitation is resolving this latter as a manufacturar of two materials for UE-65E Landscape Matter Plan Project which is seeking certification as a sub-tantiably developed in technicary is the Statiantiable Silve Initiation (SITES9). SITES drives a comprehensive rating system developed to distinguish ustainable alse, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification inc. (GEC) and nore information about the program (including a the download of the SITES 24 stating System and Sociecard) is available to www.sustainablesite.org.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your agranization to:

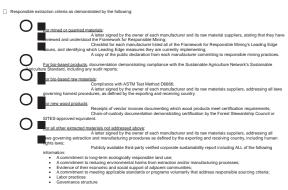
- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metala supplement, if applicable, and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany/doubledual</u> day by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement. if applicable): A publicly available sustainability statement that discloses efforts to achieve sustainable practices
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- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain. In one of these formats:

- Global Reporting Initiative (GRI) sustainability report;
 - Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises;
 U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Respon
- · Other programs meeting CSR criteria.



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ufl.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-758-7377

- Global Reporting Initiative (GRI) sustainab
- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following:

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 were dand understood for Remevols for Personalise Mining.
 Decksite for each manufacturer laded all of the Framework for Responsible Mining.
 Decksite for each manufacturer laded all of the Framework for Responsible Mining's Leading Edge
 success they are currently implementing.
 A copy of the public declaration from each manufacturer lader mining to responsible mining practices.
 A copy of the public declaration from each manufacturer lader mining to responsible mining practices. Ο For bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable ure Standard, including any audit reports; O or new wood products: or new wood products: Receipts of vendor invoices documenting which wood products meet certification requirements; Chain-of-custody documentation demonstrating certification by the Forest Stewardship Council of TES-approved equivalent.

- BITS-approvem beyownaw...
 BITS-approvem beyownaw...
 Alter signed by the owner of each manufacture and its raw materials suppliers, addressing all
 Alter signed by the owner of each manufacture processing and receiving country, including human
 we governing end/action and manufacturing processing and receiving country, including human
 where wallable third-party verified corporate sustainability report including ALL of the following Publicly available third-party vertiled corporate sustainaumy report incomenging information: A commitment to long-term ecologically responsible land uses, A commitment to inducing environmental harms from extraction and/or manufacturing processes; Ecological test economic and social support of adjacent communities, Ecological economic and social support of adjacent communities, Labor practices mining applicable standards or programs voluntarily that address responsible sourcing oriteria; Labor practices mining applicable standards or programs voluntarily that address responsible sourcing oriteria; Labor practices mining applicable standards or programs voluntarily that address responsible sourcing oriteria;

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@utl.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the accordinate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Nolan Davis

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Cubic Transportation



October 11, 2021

Cubic Transportation Systems, Inc 1308 South Washington St, Tullahoma, TN 37388

Dear Cubic Transportation Systems, Inc.

Your organization is receiving this letter as a manufacturer of raw materials for UF-656 Landscape Master Plan Project, which is seeking certifica as a sustainably developed landscape via the Sustainable Sites initiative(SITES9). SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure ther performance, and elevate the value of sindscapes. It is administered by the Green Businese Certific inc. (GBC) and more information about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at wastainablesites.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecceystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are aking your organization to:

Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metala supplement, il applicable; and by publishing a publicly available sustainability statement that disclose efforts to achieve sustainable practices. · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

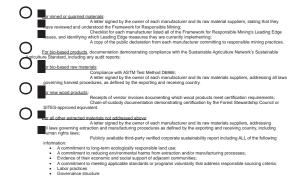
Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable);

A publicly available sustainability statement that discloses efforts to achieve sustainable practice of the statement of the To help us achieve 5 points for Option 3, please provide the following:

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

- Global Reporting Initiative (GRI) sustainability report;
- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress; ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide nonlucts

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PDSC at <u>distribuny/dull edu</u> by 121/0221. Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely

Nolan Davis

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 352,756,7377



- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises;
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Respo
- Other programs meeting CSR criteria

Responsible extraction criteria as demonstrated by the following

 Contribution or quarticed materials:
 A failer signed by the owner of each manufacturer and its raw material suppliers, stating that they have
 weived and understood for Framework for Responsible Mining:
 Crackist for each manufacturer listed all of the Framework for Responsible Mining's Leading Edge
 sectors they are correctly implementing:
 Sector and identifying which leading Edge masses they are correctly implementing:
 A copy of the public declaration from each manufacturer listed are committing to responsible mining paradise. Ο For bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable Agricul-tandard, including any audit reports; O Cr bio-based raw materials: Compliance with ASTM Test Method D6866; Aletter signed by the owner of each manufacturer and its raw materials suppliers, addressing al laws ooverning harvest procedures, as defined by the exporting and receiving country. Continuing user two examples and the second se STES-approver departement. and ubtraction and addressed above: Alleter signed by the owner of each manufacturer and its raw materials suppliers, addressing all taws Alleter signed by the owner of each manufacturer and its raw materials suppliers, addressing all taws publicly available third-party verified corporate usatianability report including ALL of the following

- domaison:
 A commitment to long-term ecologically responsible land use.
 A commitment to long-term ecologically response to long term ecologically response

ents do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide proc

If you have any questions regarding the requested information above, please email Dualin Stephany from UF PD&C at <u>discolary/pull dot</u> by 12/12021 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377





October 11, 2021

Don Construction Products 2826 Lineberger Industrial Dr, Lancaster, SC 29720

Dear Don Construction Products,

Your organization is nearing the latter as a suggine of two materials for U-F68L androgen Materie Plan Project, which is easing aertification as a sustain and provedpoil androgen via the Sustainable Salas Indiatived (SUESS). STES dires are comprehensive metry branch aregined to disruption sustainable sites, masure their performance, and elevate the value of landscapee. It is administered by the Green Business Certification inc. (GEC) and none inform to about the program (including a fee downiced of the STES 2). STES dires dires down and www.sustainablesite.org.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:

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To help us achieve 5 points for Option 3, please provide the following:

A publicly available sustainability statement that discloses efforts to achieve sustainable practices.

Dow Corning



October 11, 2021 Dow Coming 760 Hodgenville RD, Elizabethtown, KY 42701

Dear Dow Corning,

Your organization is reaching bis later as a manufacture of raw materials for UF-661 Landscape Matter Plan Project, which is eaching ordification as a substantially developed inducage value for a Substantiale Steep Stratification (SEE) of the a comprehensive rating system developed inducage value for Substantiale Steep Stratification (SEE) of an accomplexity of the Steep Stratification (SEE) and the standard steep strategies are standard and steep strategies and stra

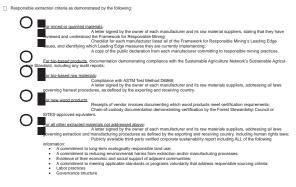
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- ISO 26000: 2010 Guidance on Social Responsibility
- Other programs meeting CSR criteria.



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Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



- 000 §	Sustainable
666	SITES
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October 11, 2021

DuPont 1467 Prosser Dr SE, Dalton, GA 30721

Dear DuPont,

Your organization is receiving this letter as a monufacture of raw materials for UF-656 Landscape Master Plan Project, which is seeking contraction as a sustainably diverged landscape via the Sustainable Steam Shati Shati

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:

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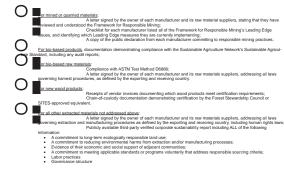
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Responsible extraction criteria as demonstrated by the following



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Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Elixson Wood **Products**



October 11, 2021 Elixson Wood Products

18976 NW 84th Ave, Starke, FL 32091

ear Elixson Wood Products

Your organization is receiving this letter as a provider of raw materials for UF-656 Landscape Master Plan Project, which is seeking certification as a sustain aby developed anticolape via the Sustainable Sites Initiative (ISTES9). ISTES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification inc. (SdE) and more informa-tion about the program (including a free download of the STES V Raiting System and Socience) is available at www.sustainables.org.

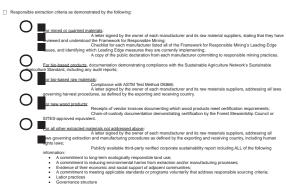
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- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.



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Thank you for your participation in SITES and for your part in making sustainable places

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377





October 11, 2021

2500 Abercorn St. Savannah, GA 31401

Dear Garden State Tile,

Garden State Tile

Your organization is notiving bis later as a manufacture of raw materials to UF-BGL tandscape Master Plan Project, which is earling of which as a standard dy dworded intracape via its a bismatable Siles (TBS) of TES defines a comprehense larging system designed to distinguist statisticated activity of the program (including a fee dworded of the STIS of Range) System and Societaria (a statistication testing system as a more information about the program (including a fee dworded of the STIS of Range) System and Societaria (a statistication testing system) as autiabilities and the program (including a fee dworded of the STIS of Range) System and Societaria (a statistication testing system) and the statistication activity of the STIS of Range) and the STIS of Range).

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- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following:



- Der Vorbehand new materials: Compliance with ASTM Test Method D6866; A letter signed by the owner of each manufacturer and its raw materials suppliers, addressing all laws
- Receipts of vendor invoices documenting which wood products meet certification requirements; Chain-of-custody documentation demonstrating certification by the Forest Stewardship Council or
 - ITES-approved equiva
- STES-approved equivalent. Co all other extracted materials not addressed aboxe: Alter signed by the owner of each manufacturer and its naw materials suppliers, addressing all we governing extraction and manufacturing procedures as defined by the exporting and receiving country, including human publicly available third-party verified corporate sustainability report including ALL of the following

 - tomator:
 A commitment to long-term ecologically responsible land use:
 A commitment to long-te

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

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Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely.

Nolan Davie Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



	Sustainable
	SITES
GBCI .	Initiative [™]

ctober 11, 2021

GCP Applied Technologies Inc 2325 Lakeview Pkwy Suite 450, Alpharetta, GA 30009

ear GCP Applied Technologies Inc.

Your organization is receiving his later as a manufacture of raw materials for UF-661 Landscope Master PAIn Project, which is seeking certification as a sustainably developed induscape via the a Sustainable Siles Instalvel (SITESI) SI. STES deris a comprehensive mang system disingued to distiguish sustainable sites, measure theriperformance, and elevate the value of landscapes. It is administered by the Creen Builders a Comprehension of the SITES of Range System and Science Sile is available at www.sustainablesite.com and a formation along the regords in (Culture) is the SITES of Range System and Science Sile is available at www.sustainablesite.com and a formation along the second of the SITES of Range System and Science Sile is available at www.sustainablesite.com and the sile second second

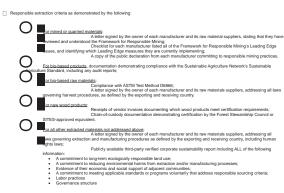
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Thank you for your participation in SITES and for your part in making sustainable pla

Global Reporting Initiative (GRI) sustainability report:

 U.N. Global Compact: Communication of Progress: ISO 26000: 2010 Guidance on Social Responsibility Other programs meeting CSR criteria Responsible extraction criteria as demonstrated by the following

Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises

Commended materials: Meters and the second second

Configure on the set of the

Contracting the most products or new wood products Receipts of wendor involces documenting which wood products meet certification requirements: Chain-d-custody documentation demonstrating certification by the Forest Stewardship Council or

BITS approve supervision of addressed above: A latter signed by the owned of each manufacturer and its raw materials suppliers, addressing all me governing extraction and manufacturing processes as defined by the exporting and receiving country, including human gets lever. Publicly available third-party verified corporate sustainability report including ALL of the following

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Publicly available time party remine down and the second s

For bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable re Standard, including any audit reports;

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377





October 11, 2021

Gulf Coast Supply & Manufacturing 14429 SW 2^{sd} PL G30, Newberry, FL 32665

Dear Gulf Coast Supply & Manufacturing,

Your organization in scensiving this latter as a manufacture of rar materials to UF-#661 Landscape Matter Plan Project, which is seeking cardination as a sustainably developed indicacyse via the Matalianda Stells Indicated (NTESS) of TRES Certices accompanying and application of the sustainable stee, measure their performance, and events the value of landscapes. It is administered by the Ceren Bureness Certification Inc. (GOC) and more information about the program (Including a fee devined of the STES 52 Railly System and Socreacity is available at www.sastainabletes.com

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Thank you for your participation in SITES and for your part in making sustainable places.

352-756-7377

Sincerely.

Handi-Hut



October 11, 2021 Handi-Hut Inc

3 Grunwald St, Clifton, NJ 07013

Dear Handi-Hut, Inc,

Your organization is receiving this letter as a supplier of raw materials for UF-565 Landscape Matter Plan Project, which is seeking cartification as a sustain-aby divertoped induced va this Subariable Siles hillatived (SITESB). SITES Soft as comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Cartification Inc. (GBC) and environment on about the program (Including a tree download of the SITES 2 Alting System and Socceand) is available at www.sustainabilisties.org.

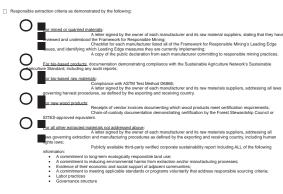
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QQQ Sustainable
SITES
GBCI [®] Initiative [®]

October 11, 2021

11416 NW Hwy 441, Gainesville, FL 32653

Dear HD Whitecap,

HD Whitecap

Your organization in excising the latter as suggline of new materials for U-F65L androgen Master Plan Project, which is easking artification as a sustain and preveloped increasive in the Sustainante Sates Instainted (SETES)). STEE of new comprehensive rending system designed for disright sustainates sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GEC) and new inform in about the program (including a fee downiced of the STES 2). STEE of new corecards) is available and www.sustainablesies.org.

Credit 5.7. Support responsible extraction of naw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of naw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your cignization.

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, I applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d_stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable); A publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- To help us achieve 5 points for Option 3, please provide the following:

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

Global Reporting Initiative (GRI) sustainability report;

- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following

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 Checklist for each manufacturer liabed at of the Framework for Responsible Mining's Leading Edge
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 Access of the public declaration from each manufacturer liabed mining to responsible mining practices.
 Access of the public declaration from each manufacturer liabed mining to responsible mining practices. A copy of the public decuration from each rink management of the state at bio-based raw materials: Compliance with ASTM Test Method D6868; A tetter signed by the owner of each manufacturer and its raw materials suppliers, addressing all laws governing harvest procedures, as defined by the exporting and receiving country.

Overning trainers: processions ---- Or new wood products:
 Receipts of vendor invoices documenting which wood products meet certification requirements:
 Receipts of vendor invoices documenting which wood products meet certification requirements:
 STES-approved equivalent.
 STES-approved equivalent.

- SITES-approved equivalent. Loc all other extraned materials not addressed aboxe: Aleter signed by the owner of each manufacturer and its raw materials suppliers, addressing all as governing extraction and manufacturing procedures as defined by the exporting and receiving country, including human gets laws; Publicly available Birid-party verified corporate sustainability report including ALL of the following

 - Publicly available third-party verified corporate sustainatures (report incompton) information: A commitment to inducing environmental harms from enactation and/or manufacturing processes; A commitment to meeting applicable standards or programs voluntarily that address responsible sourcing oriteria; Labor practications Governance structure

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ufl.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the accrocited by

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Holt Metals



ctober 11, 2021 Holt Metals & Fabrication 24593 NW 9" PL, Newberry, FL 32669

ear Holt Metals & Fabrication

in organization is incoving this test as a manufacture of raw materials for UF-561 and/cape Matter Plan Project, which is seeking confidation as a trainably developed mixtacey to the Sciatal BeS file Inflative (SITESI). SITES for a comprehension using system designed to distinguist trainably developed mixtacey to the Sciatal BeS file Inflative (SITESI). SITES for a comprehension using system designed to distinguist trainable developed mixtacey and the Sciatal Constrained Site Inflative Constrained Site Inflative Constrained mixed and the second site of SITE IN Rest Site Inflative Constrained Site Inflative Constrained and Science (Si Sciatal Constrained Site Inflative Constrained Site Inflative Constrained and Science (Si Sciatal Site Inflative Constrained Site Inflative Constrained Site Inflative Constrained and Science (Si Sciatal Site Inflative Constrained Site Inflative Constrained Site Inflative Constrained and Science (Si Sciatal Site Inflative Constrained Site Inflative Constrained and Science (Site Sciatal Site Inflative Constrained and Science (Site Sciatal Site Inflative Constrained and Science (Site Sciatal Site Inflative Site Inflative

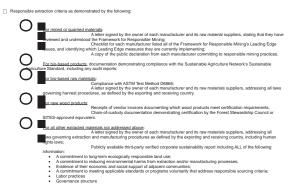
Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the STES Rating Sys-tem, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metais supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany</u>

- To help us achieve 3 points for Option 2, please provide the following:
- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable);
- A publicly available sustainability statement that discloses efforts to achieve sustainable practices
- To help us achieve 5 points for Option 3, please provide the following:
- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

- Global Reporting Initiative (GRI) sustai ability report;
- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide non-units

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PDBC at <u>d stephany@uff edu</u> by 12/1702 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

ank you for your participation in SITES and for your part in making sustainable places

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Thank you for your participation in SITES and for your part in making sustainable places

 U.N. Global Compact: Communication of Progress; ISO 26000: 2010 Guidance on Social Responsibility

· Other programs meeting CSR criteria. Responsible extraction criteria as demonstrated by the following

Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises

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 access they are currently implementing:
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 access and identifying which leading Edge
 access they are currently implementing:
 Access of the public declaration from each manufacturer later l

Eor bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable Iture Standard, including any audit reports;

or bio-based raw materials: Compliance with ASTM Test Method DB868; Aletter signed by the conter of each manufacturer and its raw materials suppliers, addressing all laws powerning harvest procedures, as defined by the exporting and receiving country.

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 Chain-d-catalody documentation demonstrating certification by the Forest Stewardship Council or
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Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Global Reporting Ini

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DDD Sustainable
SITES
GBCI Initiative

October 11, 2021

Home Depot 7107 NW 4th Blvd, Gainesville, FL 32607

Dear Home Depot,

Your organization is receiving this letter as a supplier of raw materials for UF-665 Landscape Matter Plan Project, which is seeking certification as a sustain-ady developed induces via the Sustainable Siles Initiative (SIISEB). SITES Certificates a comprehensive raiting system designed floatinguish sustainable sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GBC) and more informa tion about the program (including a net ee ownoaid of the SITES V SIRIES) of SUBE of Societary 18 and value at the sum of the ownoaid of the SITES V SIRIEs of Submit and Societary 18 and value at two sustainables and provide the submit set of the submit of the SITE of SITE SITES (SITES) SITES) SITES (SITES) SITES) SITES (SITES) SITES (SITES) SITES) SITES (SITES) SITES (SITES) SITES) SITES) SITES (SITES) SITES) SI

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating Sys-tem, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable, and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable protoces.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany/doubledual</u> day by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement. if applicable): A publicly available sustainability statement that discloses efforts to achieve sustainable practices
- To help us achieve 5 points for Option 3, please provide the following:

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Hunter Industries



October 11, 2021

Hunter Industries

Dear Hunter Industries,

4501 Hunter Rd #9204, San Marcos, TX 78666

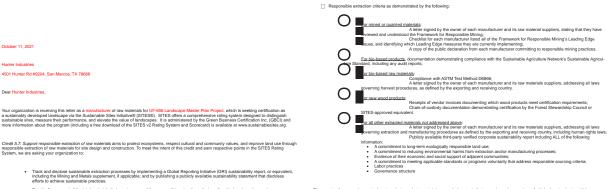
To help us achieve 3 points for Option 2, please provide the following:

To help us achieve 5 points for Option 3, please provide the following:

A publicly available sustainability statement that discloses efforts to achieve sustainable practices.

 Global Reporting Initiative (GRI) sustainability report; Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises

- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distributive</u> by 12/1/2022 Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



	Sustainable
	OTTO
666	SITES
	Initiative"
ODCI	initiative

ctober 11, 2021 untsman Building Solutions

10003 Woodloch Forest Dr, The Woodlands, TX 77380

Dear Huntsman Building Solutions,

Your caparization in sectivity this latter as a manufacture of rar materials for UF-BGL Landscope Master Play Project, which is seeking and fickation as a sustainably developed intracipacy with a Sustainable Siles Installenter (ISTES) of as a comprehensive intring system designed to distiguist, sustainable stee, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Centrification in to incer information and the program (including a fee devinated in the STES 42 Railly system and Sociecaria) is available at www.sustainablesis.com

· Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d stephany@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

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- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement. if applicable): A publicly available sustainability statement that discloses efforts to achieve sustainable practices

To help us achieve 5 points for Option 3, please provide the following:

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises; U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility

Global Reporting Initiative (GRI) sustainability report;

· Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following



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 A commitment to long-term ecologically responsible land use:
 A commitment to long-term ecologically responsible land use;
 A commitment to read-out environmental harms from estratistion and/or narufacturing processes;
 A commitment to meeting applicable standards or programs voluntarily that address responsible sourcing criteria;
 Labor practices
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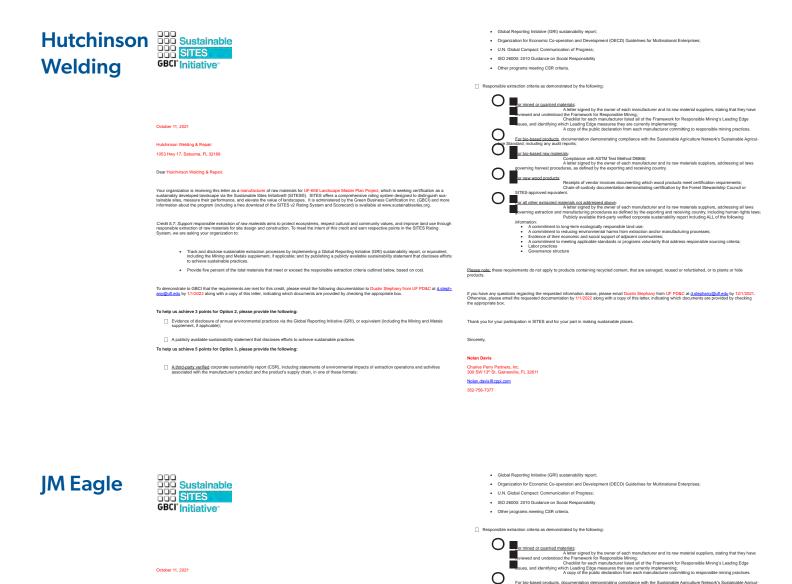
Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>datechany@utl.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely olan Davie

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



October 11, 2021
JM Eagle 2101 J-M Dr, Adel, GA 31620
Dear JM Eagle,
Your organization is receiving this letter as a manufacturer of raw materials for UF- sustainably developed landscape via the Sustainable Sites Initiative® (SITES®). S

Your organization is necking this letter as a mounteducer of new materials for UT-666 Landscape Matter PIan Project, which is seeking centralication as a sustainably developed indicacipae via the Sustainable Sites TESS of TES of tess comprehensive raining system easing the developed to additional that sustainable developed indicacipae via the Sustainable Sites TESS of TES of tess comprehensive raining system set Someters centralised in testing of the Sites of TESS of tess comprehensive raining system set Someters centralised set of testing and the sustainable developed the testing of the Sites of test system and Sociecutarily is available at www.sustainabledeveloped and testing set testing set testing set testing set testing set testing and testing set testing set

Credit 5.7: Support responsible extraction of new materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization.

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distortany/bull.edu</u> by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

 Evence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement; Applicable);
 Apublicly available sustainability statement that discloses efforts to achieve sustainable practices.

To help us achieve 5 points for Option 3, please provide the following:

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

A copy of the public dedunation from each manufacturer committing to responsible mining practices.
Entratectand contents on demonstrating compliance with the Sustainable Agriculture Network's Sustainable Agricu

Information: A commitment to long-term ecologically responsible land use; A commitment to rectoring environmental humans from extraction and/or nanifacturing processes; A commitment to metricing applicable standards or programs voluntarity that address responsible sourcing oriteria; Labor practices Covernance structure

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distorbany@ufl.edu</u> by 12/12021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely, Nolan Davis Charles Perry Partners, Inc. 300 SW 13° SI, Gainesville, FL 32611 Nolan.davis @copi.com

352-756-7377

Kawneer

Keystone

Ridge

Designs



October 11, 2021

4645 LB McLeod Rd, Orlando, EL 32811

Dear Kawneer,

Your organization is reaching bis later as a manufacture of raw materials for UF-661 Landscape Matter Plan Project, which is eaching ordification as a substantially developed inducage value for a Substantiale Steep Stratification (SEE) of the a comprehensive rating system developed inducage value for Substantiale Steep Stratification (SEE) of an accomplexity of the Steep Stratification (SEE) and the standard steep strategies are standard and steep strategies and stra

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Ratin System, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, If applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cos

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@uff.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

GBCI' Initiative"

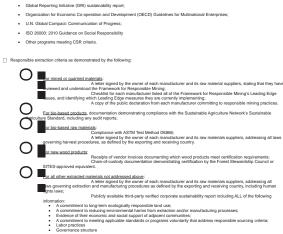
October 11, 2021

Keystone Ridge Designs, Inc

670 Mercer Rd, Butler, PA 16001

Dear Keystone Ridge Designs, Inc.

- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, If applicable);
- A publicly available sustainability statement that discloses efforts to achieve sustainable practices
- To help us achieve 5 points for Option 3, please provide the following:
- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>dstephany@ufl.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

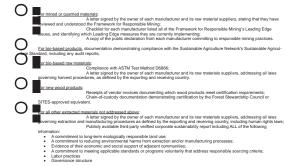
Sincerely.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises;
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following



If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>datechany@utl.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

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Thank you for your participation in SITES and for your part in making sustainable places.

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Your organization is neeving the letter as a supplier of raw materials for UP-665 androgoe Measure Plan Preset, which is setting coefficiation as a sustain-ably developed materials values bises initiatived (ISTESS). SITES of these a comprehensive railing system designed to distinguish sustainable alise, measure their performance, and elevate the value of landscapes. It is administered by the Green Burliness Certification Inc. (GBCI) and more informa to nabout the programmin (including a free downlad of the SITES V2 Railing System and Soccercial) as available at www.sustainableshes.org.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are adding your organization to:

To help us achieve 3 points for Option 2, please provide the following Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement. if applicable):

- A publicly available sustainability statement that discloses efforts to achieve sustainable practices
- To help us achieve 5 points for Option 3, please provide the following:
- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:
- olan Davie Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely

Landscape **Forms**



October 11, 2021 Landscape Forms

7800 E Michigan Ave, Kalamazoo, MI 49048

ear Landscape Forms,

Your organization is receiving this letter as a manufacturer of raw materials for UF-BSG Landscape Master Plan Project, which is seeking certification as a sub-tanably developed landscape via the Sustainable Sites Initial/Wei (STESS). ITES offers a comprehensive rafit gayalesinged to distinguish sustainable sites, measure het performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (BCD) and more information about the program (including a fee dowinds of the STES) 22 Rafing System and Scorearchi is available at www.sustainablesites.org.

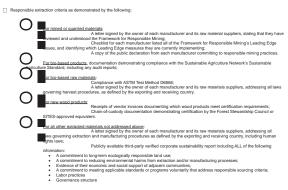
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- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

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- To help us achieve 3 points for Option 2, please provide the following:
- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable);
- A publicly available sustainability statement that discloses efforts to achieve sustainable practices
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- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide

Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises

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 Decksite for each manufacturer ladel all of the Framework for Presponsible Mining.
 Decksite for each manufacturer ladel all of the Framework for Presponsible Mining a Leading Edge
 success they are currently implementing.
 A copy of the public declaration from each manufacturer lader.

For bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable ture Standard, including any audit reports;

at bic-based raw materials Compliance with ASTM Trest Method DR860: A lateer signed by the owner of each manufacturer and its raw materials suppliers, addressing all laws governing haves produces, as defined by the sopriori and receiving country.

or new wood products: Receipts of vendor involces documenting which wood products meet certification requirements; Chain-of-custody documentation demonstrating certification by the Forest Stewardship Council or ITES-approved equivalent.

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@utl.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the accordinate box.

Publicly available third-party verified corporate sustainaumy report momenty -information: A commitment to long-term ecologically responsible land use; A commitment to includic environmental hums from ecatacion and/or manufacturing processes; Ecological term economic and accula support of adjacent communities. Ecological explicit and the economic and accula support of adjacent communities. Labor practices entiting applicable standards or programs voluntarily that address responsible sourcing oriteria; Labor practices structure

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PDAC at <u>distephany2built.edu</u> by 12/1/202 Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate both

Thank you for your participation in SITES and for your part in making sustainable places.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Molan.davis@cppi.com 352-756-7377

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Global Reporting Initiative (GRI) sustaina

 Other programs meeting CSR criteria. Responsible extraction criteria as demonstrated by the following:

Thank you for your participation in SITES and for your part in making sustainable places

 U.N. Global Compact: Communication of Progress; ISO 26000: 2010 Guidance on Social Responsibility



Sustainable GBCI Initiative

October 11, 2021

111 Sylvan Ave, Englewood Cliffs, NJ 07632

Dear LG Electronics,

LG Electronics

Your organization is receiving this letter as a menufacturer of raw materials for UF-656 Landscape Matter Plan Poject, which is seeking confliction as a sui-lanahay developed andscape via the Suitanabe Sites Initiative (STESS). STES Offers a comprehensive raiting system designed to distinguish sustainable sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GEO) and more information about the program (including a free downiced of the STESS). Statis System and Scorecardi (a svaluble at www.suitaabielise.org.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your aganization to ::

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metala supplement, if applicable, and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable bracices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany/doubledual</u> devices and the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement. if applicable): A publicly available sustainability statement that discloses efforts to achieve sustainable practices
- To help us achieve 5 points for Option 3, please provide the following:
- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain. In one of these formats:
- Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Limerock Industries

GBCI'Initiative

October 11, 2021

Limerock Industries 2500 NW 202nd St, Newberry, FL 32669

Dear Limerock Industries,

Your organization is receiving this letter as a provider of raw materials for UP-565 Landscape Master Plan Protect, which is seeking certification as a sustainaby developed inactionace via the Sustainable Siles hildslived (SITESB). SITES Soft as comprehensive rating system designed to distinguish sustainable sites, massure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GBC) and environment on about the program (Including a tree download of the SITESC) VERSE Software Socrecard) is available at www.sustainablesites.org.

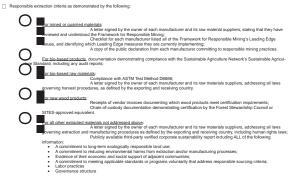
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- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises;
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- Other programs meeting CSR criteria.



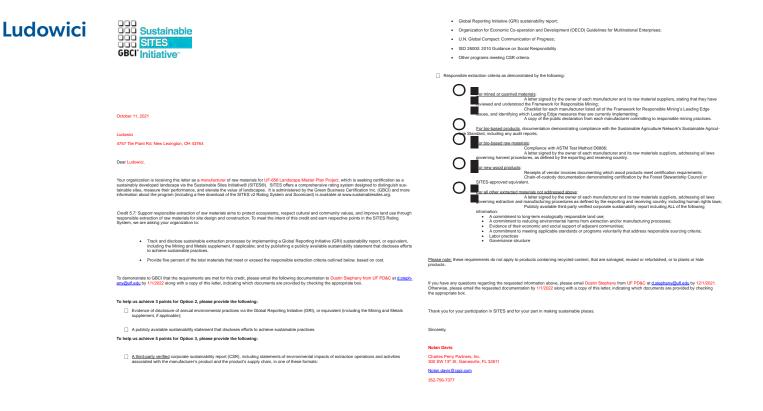
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Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Notan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Notan davis @cppi.com 352-756-7377



Master **Builders** Solutions



October 11, 2021 Master Builders Solutions

889 Valley Park Dr S, Shakopee, MN 55379

ear Master Builders Solutions,

ar organization is receiving this letter as a manufacture of new materials for UF-656 Landscape Master Plan Project, which is seeking conflication as a transably developed landscape vide the Sustainable Sites Institute® (SITESI). ITES offers a comprehensive rating system designed to distinguish as-table sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification is a reason above their performance, and elevate the value of landscapes. It is administered by the Green Business Certification (CBC) and more mation above their performance, and elevate the value of landscapes. System and Socreardy is available term wursustainablesites.org.

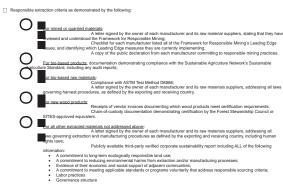
Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve lind use through responsible extraction of raw materials for ails design and construction. To meet the intern of this credit and earn respective points in the SITES Rating system: we are assistly our organizations.

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- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cos

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.steph-any@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

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- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.



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Thank you for your participation in SITES and for your part in making sustainable place

Global Reporting Initiative (GRI) sustainability report:

U.N. Global Compact: Communication of Progress;

 ISO 26000: 2010 Guidance on Social Responsibility Other programs meeting CSR criteria. Responsible extraction criteria as demonstrated by the following:

ITES-approved equiva

Thank you for your participation in SITES and for your part in making sustainable places.

Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises

Consider a quartiel matrix
 Constraint of the conner of each manufacture and its raw material suppliers, stating that they have
 viewed and understood the framework for Responsible Mining.
 Chackliss for each manufacture listed all of the Framework for Responsible mining pactices
 asses, and dentifying which calling Edge measure they are comparing implementing.
 Accept of the public deduction for manufacture committing to responsible mining pactices.

STES-approved equivalent. Coal other extracted materials not addressed above: Altere signed by the owner of each manufacturer and its raw materials suppliers, addressing all we governing extraction and manufacturing procedures as defined by the exporting and receiving country, including human Publicly available third-party verified corporate sustainability report including ALL of the following

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If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ufl.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

tomator:
 A commitment to long-term ecologically responsible land use:
 A commitment to long-te

For bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable re Standard, including any audit reports;

Receipts of vendor invoices documenting which wood products meet certification requirements; Chain-of-custody documentation demonstrating certification by the Forest Stewardship Council or

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377





October 11, 2021

Max-R W248 N5499 Executive Dr, Sussex, WI 53089

Your organization is neerining this latter as a manufacturer of new materials for UF-666 Landscape Master Plane Project, which is exeking orderidation as a substantially devoluted inducation with the Substantiata Seles Institution (STESS). STESS offers a comprehensive rating systems where the substantiation is the substantiation of the Substantiation Seless (Steamark Seless Institution). Steamark Seless (Steamark Seless Institution) (STESS) and Steamark Seless (Steamark Seless Institution) (STESS) and Steamark Seless (Steamark Seless Institution) is a substantiation (Steamark Seless Institution) (STESS) and Steamark Seless (STEAMARK Seless Institution) (STEAMARK Seless Institution) (STEAMARK Seless Institution) (STEAMARK Seless Institution) (STEAMARK Seless I

Credit 5.7: Support responsible extraction of new materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of new materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:

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- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on criteria outlined below.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distectionary any@util.edu</u> by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

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Nolan Davie Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com

352-756-7377

Sincerely.

NDS Inc.

Sustainable GBCI[®] Initiative

October 11, 2021

NDS Inc 21300 Victory Blvd #215, Woodland Hills, CA 91367

Dear NDS Inc,

Your organization is resolving this letter as a manufacture of new materials to UT-650 Landscape Master Plan Popert, which is seeking orderization as a subatinably developed Indicage via the Subannake Stess IndiverVe (SITES) or Stas a comprehensive raing system selenged to distinguish subatinable developed Indicage via the Subannake Stess IndiverVe (SITES) or Stas and Stess Indiverse and Stassa tanàbé test, measure their performance, and elevate the value of indicages. It is administered by the Creen Subaines Certification Intic. (SICE) and more information about the program (including as the download of the SITES V2 Raing System and Scorcead) is available at www.subanike/elevate.org.

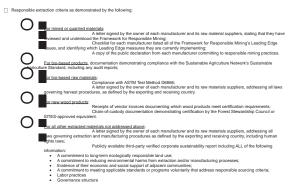
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Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PDAC at <u>distephany2built.edu</u> by 12/1/202 Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate both

Thank you for your participation in SITES and for your part in making sustainable places.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



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October 11, 2021

OEC Business Interiors 1925 SW 18th Ct Ste 105, Ocala, FL 34471

Dear OEC Business Interiors,

Your organization is neeving the letter as a supplier of raw materials for UF-65E androgoe Measure Plan Preset, which is setting conflictions as a sustain-ably developed materials values bisses initiatives (USTESS). STES closes a comprehensive railing system designed to distinguish sustainable alse, measure their performance, and elevate the value of landscapes. It is administered by the Green Burliness Certification Inc. (GBCI) and more informa to nabout the programmin (including a free downlad of the STESC) V2 Raiding system and Soccercial (is available at www.sustainableshes.org.

Credit 5.7: Support responsible extraction of new materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of new materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:

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To help us achieve 3 points for Option 2, please provide the following:

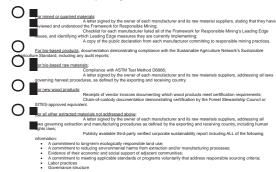
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- U.N. Global Compact: Communication of Progress
- ISO 26000: 2010 Guidance on Social Responsibility
- Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following:



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>dstephany@vfl.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely.

Nolan Davie Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sustainable Infrastructure GBCI Initiative October 11, 2021 Oldcastle Infrastructure Ő 12300 Presidents Ct, Jacksonville, FL 32220 Your organization is receiving the latter as a supplier of new materials for UR-656 Landscare Marter Flar Proget, which is eaking conflictions as a statistandary development and indexpare with the Statistandels Biter Intervel (STEES), STEE Soft as comprehense rating system designed to distinguish subatiliable stee, measure their performance, and elevate the value of landscares. It is administered by the Creen Statistande Distribution (STEES), STEE System and Scoreschi is available at www. Uniter Information and the program (Including a free download in the STEE 54 Rating System and Scoreschi is available at www.subatindelsches.com Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Ratin System, we are asking your organization to: Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainability estimation. · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost. To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@uff.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box. To help us achieve 3 points for Option 2, please provide the following: Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, If applicable); A publicly available sustainability statement that discloses efforts to achieve sustainable practices To help us achieve 5 points for Option 3, please provide the following: Nolan Davis <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats: Nolan.davis@copi.com

- Global Reporting Initiative (GRI) sustainability report;
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Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide

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Thank you for your participation in SITES and for your part in making sustainable places.

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 352-756-7377



Oldcastle

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ctober 11, 2021 O'Steen Bros. Inc

1006 SE 4th St, Gainesville, FL 32601

Dear O'Steen Bros, Inc,

Your organization in receiving the latter as a provider of two materials for UF-R05 Landscare Materies Train Project, which is earling certification as a scalarabity development and induces via the Southandels Cline Intelligible (SISTER). SISTER Software comprehenses training system emplete of definition sustainable stee, measure there performance, and elevate the value of landscares. It is administered by the Clives Davidscare to the site of the clives of the site of

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:

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- · Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following

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 commed on quarties and the reason and determine the reason and the rea A Copy of the poince exclamation insure each insure ea or bio-based raw materials: Compliance with ASTM Test Method D5686; Alters righed by the owner of each manufacturer and its raw materials suppliers, addressing all laws _____overning harvest procedures, as defined by the exporting and receiving country. overning narvest processors as a second products meet certification requirements:
 Receipts of vendor invoices documenting which wood products meet certification requirements:
 Receipts of vendor invoices documenting which wood products meet certification requirements:
 STES-approve equivalent:

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide modulet

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Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Peak Racks Sustainable Global Reporting Initiative (GRI) sustainability report; Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises; U.N. Global Compact: Communication of Progress; ISO 26000: 2010 Guidance on Social Responsibility · Other programs meeting CSR criteria. Responsible extraction criteria as demonstrated by the following commend or quarticled materials commend or quarticled materials commend or quarticled materials commend on quarticle gaterials commend on quarticle commend on quarticle commend on quarticl October 11, 2021 Peak Racks, Inc O 870 Capitolio Way #5, San Luis Obispo, CA 93401 Your organization is receiving this letter as a manufacture of new materials for UF-650 Landscape Matter Plan Project, which is seeking cellful actions as assituately development and actions are assituately development and actions are assituated by the cell software and the result of the software and the softwa Credit 5.7: Support responsible extraction of raw materials aims to protect ecceystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to: Mornation: A commitment to long-term ecologically reportable to an unan-deputed teaminationy report inducing fact, or infe Molwin A commitment to long-term ecologically reportable to and use and or manufacturing processes; Evidence of the economic and isolatio support of adjuance mornatelie; Labor practices Labor practices Governance structure Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices. · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide nonducts To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.steph-any@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box. If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>dstephany@uft.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate both To help us achieve 3 points for Option 2, please provide the following: Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable); Thank you for your participation in SITES and for your part in making sustainable places A publicly available sustainability statement that discloses efforts to achieve sustainable practices. To help us achieve 5 points for Option 3, please provide the following: Nolan Davis <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats: Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611



DDD Sustainable
SITES
GBCI [®] Initiative [®]

October 11, 2021	reviewed and une
Permaloc Corporation 13505 Bany St, Holland, MI 49424	E <u>or bio-based pri</u> Standard, including ar or bio-based rat
Dear Permaloc Corporation,	or new wood pr
Your organization is neckling this letter as a manufacture of two materials (or UE-650 Landrage Mataur Plan Project which is avelong certification as a sustainably developed landscape via the Southable Sites Initiative (ITSER). ITSE offers a comprehensive micing system developed to distinguish su- tainable test, measure their performance, and elevate the value of landscapes. It is administered by the Green Boundale at works ustainable development (FSE V) RETES V 2 REIS (System and Socreard) is evaluable at works ustainable development (FSE V) REIS (System) and socre and is evaluable at works ustainable development (FSE V) REIS (System) and Socreard) is evaluable at works ustainable development (FSE V) REIS (System) REIS	O SITES-approved
Credit 5.7. Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:	ws governing e wyshts laws; information: A commit E vidence:
 Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Minning and Metalis supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable procedue. 	A commit Labor pra Governan
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- A publicly available sustainability statement that discloses efforts to achieve sustainable practices. To help us achieve 5 points for Option 3, please provide the following:
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Nolan.davis@copi.com 352-756-7377

- Global Reporting Initiative (GRI) sustainability report;
- Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises;
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following



cducts: Receipts of vendor invoices documenting which wood products meet certification requirements: Chain-of-custody documentation demonstrating certification by the Forest Stewardship Council or equivalent.

acted materials not addressed above: A letter signed by the owner of each manufacturer and its raw materials suppliers, addressing all straction and manufacturing procedures as defined by the exporting and receiving country, including human

Publicly available third-party verified corporate sustainability report including ALL of the following ment to long-term ecologically responsible land use; ment to reducing environmental harms from extraction and provide the second on a close second of the economic and local auport of adjacent communities; of their economic and local auport of adjacent communities; strong and the second of the se

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ply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>dephany@utl.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely, Nolan Davis

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Perry Roofing



October 11, 2021 Perry Roofing

2505 NW 71" PL, Gainesville, FL 32653

Dear Perry Roofing,

Your organization is receiving this letter as augupter of raw materials for UF-65C <u>Landscope</u> Mester Plan Project, which is seeking certifications as sus-tianably developed matcscope via the Sustanable Sites Initiative (SiTESI). Sites Constructive rating system designed to distinguish able sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification line. (GEO) and more information about the program (including) are de download to SITES V Rating System and Sconcersity is available at www.sustanablesites.org.

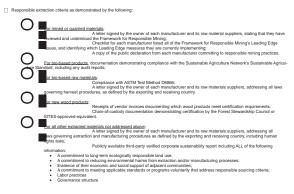
Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Ratin System, we are asking over organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivale including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@uff.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

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- Global Reporting Initiative (GRI) sustainability report;
- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distrohany@ufledu</u> by 121/2022 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable place

Global Reporting Initiative (GRI) sustainability report:

 U.N. Global Compact: Communication of Progress ISO 26000: 2010 Guidance on Social Responsibility Other programs meeting CSR criteria. Responsible extraction criteria as demonstrated by the following:

SITES-approved equiva

Thank you for your participation in SITES and for your part in making sustainable places.

Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises

Compared material
 A fails signed by the cares of each manufacturer and its raw material suppliers, stating that they have
 viewed and understood the Framework for Responsible Mining.
 Checklist for each manufacturer listed all of the Framework for Responsible Mining's Leading Edge
 sees, and identifying which Leading Edge
 Acopy of the public declaration with the Automatice Agriculture Retroict's Statistande Agric

Standard, including any second set.
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STES-approved equivare... STES-approved equivare... Local check outstands materials not addressed aboot: Local check outstands materials suppliers, addressing all Local check outstands and an analyzativing proceeding as a defined by the exporting and receiving country, including human local check outstands and analyzativing proceeding and an analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and analyzative processing and local check outstands and analyzative processing and analyzative processing and local check outstands and local check outstands and analyzative processing and local check outstands and local check outstands

tormation:
 A commitment to long-term ecologically responsible land use:
 A commitment to long-

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ements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide

For bio-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable Agr ndard, including any audit reports:

Receipts of vendor invoices documenting which wood products meet cartification requirements; Chain-of-custody documentation demonstrating certification by the Forest Stewardship Council or

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377





October 11, 2021

Pine Hall Brick 2701 Shorefair Dr NW, Winston-Salem, NC 27105

Dear Pine Hall Brick,

Your organization in scenking his latter as a manufacture of ram materials to UF-660 Landscape Matter Plan Poject, which is seeking outfoldation as a sustainably diverged intracipacy with a Sustainable Siles Insteaded (SITES) of SITE Sides a comprehensive raining yatter discipacity of adiagnation sustainable stee, measure therit performance, and elevate the value of landscapes. It is administered by the Ceree Bauerses Certification Inc. (GRC) and more information atom the program (noticing) a fee deviniced of the SITES of Raming System and Sociecture) is available at www.sustainableses.com

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equival including the Mining and Metals supplement. If applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at distephany@ufl.edu by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement. if applicable): A publicly available sustainability statement that discloses efforts to achieve sustainable practices
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<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

- Nolan Davie Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611
- Nolan.davis@cppi.com 352-756-7377

Sincerely.

Please note: these require



Rain Bird



October 11, 2021

Rain Bird Corporation 6991 E Southpoint Rd Bldg 2, Tucson, AZ 85756

Dear Rain Bird Corporation,

Your organization is receiving this latter as a manufacture of rare materials for UF-661 Landscope Matter Plan Project, which is seeking certification as a sustainably developed intracipacy in et in a Sustainable Siles Instalvelle (SITESI) or SILES offers a comprehensive many system darged to distinguish sustainable stee, measure theriperformance, and elevate the value of landscapes. It is administered by the Green Buaress Certification Inc. (GPC) an once information above the program (including a fee devined of the SITES 24 Railly System and Sociescing is available at www.sustainables.com, or a sustainable stee, measure therity and a sustainable stee in the SITES 24 Railly System and Sociescing is available at www.sustainables.com

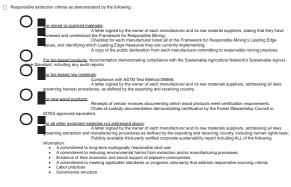
Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Ratin System, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to active sustainable practices.
- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

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- A publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- To help us achieve 5 points for Option 3, please provide the following:
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- Global Reporting Initiative (GRI) sustainability report;
- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises;
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.



Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at d stephany@utl.edu by 12/1/2021 Otherwise, please email the requested documentation by 11/1/2022 along with a copy of this tetter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Rainbow **Cabinets**

GBCI' Initiative"	Global Reporting Initiative (GRI) sustainability report; Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises; U.N. Global Compact: Communication of Progress; ISO 26000: 2010 Guidenice on Social Reportability Other programs meeting CSR ortheria.
	Responsible extraction criteria as demonstrated by the following:
October 11, 2021	Comminded or quantical A select signed by the senser of each manufacturer and its raw material suppliers, stating that they have weigned and understood the Framework for Responsible Mining . Checklist for each manufacturer listed all of the Framework for Responsible Mining the Leading Edge assues, and dentifying which Leading Edge measures they are currently impermenting. The second the mining factors Acopy of the public decisation from each manufacturer committing to responsible mining practice. <u>Ear bio-based products</u> documentation demonstrating complexes with the Statistanie hardproducts Statistanie hardproducts. Statistanie hardproducts Statistanie hardproducts are seen as the second statistical statistical statistical hardproducts. Statistanie hardproducts Statistanie hardproducts Statistanie hardproducts and the second statistical hardproducts. Statistanie hardproducts Statistanie hardpr
Rainbow Cabinets	e Standard, including any audit reports;
4690 NE 35 ^h St, Ocala, FL 34479	or bio-based raw materials:
Dear Rainbow Cabinets,	Compliance with ASTM Test Mehod DB86; Attest signed by the owner of each manufacture and its raw materials suppliers, addressing all laws overning harvest proceedures, as defined by the exporting and receiving country. an new wood products: Receipts of vendor involces documenting which wood products met cetification requirements;
Your organization is receiving this letter as a manufacturer of raw materials for UF-666 Landscope Meater Plan Project, which is seeking certification as a sustainably developed indiscape via the sustainable developed indiscape via the via the via developed indiscape via the via developed indiscape via the via developed indiscapes. It is administered by the Green Buaress Certification inc. (GRCI) and more information about the program (including a the download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesite.org.	Chain-d-causdoy documentation demonstrating certification by the Forest Stewardship Council or STES-approved equivalent.
Credit 57: Support regionable extraction of new materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of new materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:	Information: A commitment to long-term ecologically responsible land use; A commitment to long-term ecologically responsible land use; A commitment to long-term acould approx of land sharms from estatacion and/or manufacturing processes; Keldene et their economic and social support of ladge-not communities; A comparison and acould approx of ladge-not communities; A com
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Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.	Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.
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A publicly available sustainability statement that discloses efforts to achieve sustainable practices.	Sincerely,
To help us achieve 5 points for Option 3, please provide the following:	
	Nolan Davis
<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:	Charles Perry Partners, Inc. 300 SW 13 th St, Gainesville, FL 32611

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the oroduct's supply chain, in one of these formats:

Nolan.davis@cppi.com 352-756-7377

Sanderson Pipe



October 11, 2021 Sanderson Pipe Corporation 1 Enterprise Blvd, Sanderson, FL 32087

ear Sanderson Pipe Corpora

Your organization is receiving this letter as a manufacture of raw materials for UF-656 Landscape Master Plan Project, which is seeking certification as a substantiably developed landscape via the Substantiable Stein Insiliavite (SITES). SITES offers a comprehensive raining system designed to distinguish sus-tainable sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GEC) and more information about the program (including a fee devinated of the SITES offers accerard) is available at www.sustainablesies.org.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the STES Rating System, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metais supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cos

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.steph-any@ufl.edu by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

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 Other programs meeting CSR criteria. ble extraction criteria as demonstrated by the following Compared materials
 Compared material sed products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable Agricul-ding any audit reports; Oï or bic-based raw materials: Compliance with ASTM Test Method DR866: A letter signed by the conter of each manufacturer and its raw materials suppliers, addressing all laws governing harvest procedures, as defined by the exporting and receiving contry. Orders und stockets
 Recepts of vendor livoaces documenting which wood products meet certification requirements.
 STES-septowed equivalent. STES-approve equivariant. Loc all other extracted materials and addressed above: Alters signed by the owner of each manufacturer and its raw materials suppliers, addressing all we governing extraction and manufacturing procedures as defined by the exporting and receiving country, including human publicly available third-party verified corporate sustainability report including ALL of the following

Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises;

- Information: Publicity available thirts-party vertified corporate substantiality report including ALL of the following Information: A committenent to Insighter encologically responsible fund use; A committenent to reducting environmential harms from extraction and/or manufacturing processes; Evidence of the economic and social support of adjacent communities; Evidence of the economic and social support of adjacent communities; Evidence of the economic and social support of adjacent communities; Evidence of the economic and social support of adjacent communities; Evidence of the economic and social support of adjacent communities; Evidence of the economic and social support of adjacent communities; Evidence of the economic and social support of adjacent communities; Evidence of the economic and social support of adjacent communities; Evidence of structure in the evidence of th

Global Reporting Initiative (GRI) sustainability report:

U.N. Global Compact: Communication of Progress.

ISO 26000: 2010 Guidance on Social Responsibility

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Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely.

□ Respor

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-758-7377



Sustainable
SITES
Initiative"

October 11, 2021

Sesco Lighting 9250 Baymeadows Rd #350, Jacksonville, FL 32256

Dear Sesco Lighting,

Your organization is neeving the letter as a supplier of raw materials for UP-665 androgoe Measure Plan Preset, which is setting coefficiation as a sustain-ably developed materials values bises initiative (USTESS). STES closes a comprehensive railing system designed to distinguish sustainable alter, measure their performance, and elevate the value of landscapes. It is administered by the Green Burliness Certification Inc. (GBCI) and more informa to nabout the programmin (including a free downlad of the STESC) V2 Raiding system and Soccercial (is available at www.sustainableshes.org.

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Nolan Davis Nolan.davis@cppi.com

 U.N. Global Compact: Communication of Progress; ISO 26000: 2010 Guidance on Social Responsibility

Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises;

- Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following

Global Reporting Initiative (GRI) sustainability report;

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overning narvest processors
 or new wood products:
 Receipts of vendor invoices documenting which wood products meet certification requirements:
 Receipts of vendor invoices documenting which wood products meet certification requirements:
 STES-approve equivalent:
 vendor advised aboyg:

- STES-approve deparsem. Loc all other extracted materials not addressed above: Altere signed by the owner of each manufacturer and its raw materials suppliers, addressing all Materials and the sport of the exporting and receiving country, including human ways governing extraction and manufacturing procedures as defined by the exporting and receiving country, including human Publicly available third-party verified corporate sustainability report including ALL of the following Publicity available strins party resimus volument and an available land use; A commitment to long-term ecologically responsible land use; A commitment to tracking environmental harms from eractation and/or manufacturing processes; Evolutions of their economic and social support of adjacent communities; Labor practices eleting applicable standards or programs volumanly that address responsible sourcing offeria; Labor practices eleting applicable standards or programs volumanly that address responsible sourcing offeria; Covernance structure

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ull.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the accronizate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 352-756-7377

Sherwin-**Williams**



October 11, 2021 101 W Prospect Ave, Cleveland, OH 44115

Dear Sherwin-Williams,

Your organization is receiving the latter as a manufacture of raw materials for UF-661 Landscape Matter Plan Project, which is eaching ordification as a substantially developed inducage value for a Substantiale Steve Singhave (SITESS) or SITES Offer a comprehensive rating system developed to sitesgrave the substantial developed to the SITES of Res. Some Plant Plan

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the STES Rating System, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metais supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

- To help us achieve 3 points for Option 2, please provide the following:
- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, If applicable);
- A publicly available sustainability statement that discloses efforts to achieve sustainable practices
- To help us achieve 5 points for Option 3, please provide the following:
- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

 U.N. Global Compact: Communication of Progress;
 ISO 26000: 2010 Guidance on Social Responsibility Other programs meeting CSR criteria Resp le extraction criteria as demonstrated by the following or minod or quanted materials
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Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephary from UF PD&C at <u>distributive2016.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the accordiate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Global Reporting Initiative (GRI) sustainability report:

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com





October 11, 2021

Spec Mix 1230 Eagan Industrial Rd, Eagan, MN 55121

Dear Spec Mix,

Your organization is receiving the latter as suggline of new materials for U-F65L Landscape Master Plan Project, which is easking aediteduates as a sustain and preveloped incorpora via the Sustainante Sates Instainted (SETES)). STEE of new comprehensive rendrity system designed for disrighant sustainates sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GEC) and never inform at no about the program (including a fee downiced of the STES 2). STEE of new corecards) is available at www.sustainablesies.org.

Credit 5.7. Support responsible extraction of naw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of naw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your cignization.

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metala supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- · Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d steph-any@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable); A publicly available sustainability statement that discloses efforts to achieve sustainable practices.

To help us achieve 5 points for Option 3, please provide the following:

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

- Global Reporting Initiative (GRI) sustainability report;
- Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility
- · Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following

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- BITE-approved equivarean.
 BitTE-approved equivarean.
 Active as defined and addressed aboxe:
 Alder agged by the owner of each manufacture and the raw materials suppliers, addressing all
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 gets laws:
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- Publicly available third-garly verified corporate sustainations report increasing a second information: A commitment to including environmental human from enaction and/or manufacturing processes; A commitment to meeting applicable standards or programs voluntarily that address responsible sourcing oriteria; Labor practices: Covernance structure

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ull.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the accronizate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely, Nolan Davis

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@copi.com 352-756-7377

Spring Precast



October 11, 2021

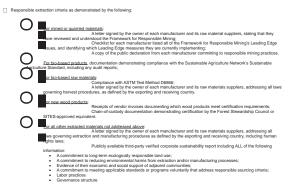
Spring Precast

Dear Spring Precast,

3782 US-280, Cobb, GA 31735

Global Reporting Initiative (GRI) sustainability report;
 Organisation for Economic Co-operation and Develop

- Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterp
 U.N. Global Compact: Communication of Progress;
 ISO 26000: 2010 Guidance on Social Responsibility
- ISO 20000: 2010 Guidance on Social Re
 Other programs meeting CSR criteria.
- Oulei programs meeting CSK cintena.



Please note; these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ufl.edu</u> by 12/12021. Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerel

Nolan Davis Charles Perry Partners, Inc. 300 SW 13° St, Gainesville, FL 32611 Nolan davis@copi.com 352-756-7377



	Sustainable
	SITES
GBCI	Initiative [®]

To help us achieve 3 points for Option 2, please provide the following:

To help us achieve 5 points for Option 3, please provide the following:

A publicly available sustainability statement that discloses efforts to achieve sustainable practices

October 11, 2021 Anderson Columbia

116 NE 33rd Ave, Gainesville, FL 32609

Dear SRM Concrete,

Your organization is netwing this letter as a provider of rare materials for UF-661 cardiscope Matter Piter Project, which is seaking artification as sustainaby developed materials particular base initiative (UTESR). ISTES developed as comprehensive rating system designed to classification sustainable alter, measure their performance, and elevate the value of landcages. It is administered by the Green Business Certification Inc. (GEC) and nore information about the program (including a tree devalued of the STES y State) System and Sociecture() is available to www.sustainableties.org.

Your organization is receiving this letter as a supplier of raw materials for UF-656 Landscape Master Plan Project, which is seeking certification as a sustain developed landscape via the Sustainable Sites Initiative(B) (SITES0), SITES offers a comprehensive raining system designed to distinguish sustainable sites measure their performance, and everate the value of landscape. It is administed by UF Gerem Busines-Carittation true (SIG) and more information about the program (including a free dowinciad of the SITES vi2 Rating System and Scorecard) is available at www.sustainablesites.org.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System we are asking your organization to:

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany</u>

Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable);

<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

 Track and disclose sustainable extraction processes by implementing a Clobal Reporting Initiative (CRI) sustainability mport, or equivalent, including the Mining and Meals assignment, if applicable, and by publishing a public vaniable sustainability statement that disclose efforts to achieve sustainable practices.
 Provide the pre-cent of the total materials that meet or exceed the responsible extraction oritetia outlined below, based on cost.

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your agranization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable rotations.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>disterbanged</u>, due by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

- Container of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, if applicable);
 A publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- To help us achieve 5 points for Option 3, please provide the following:

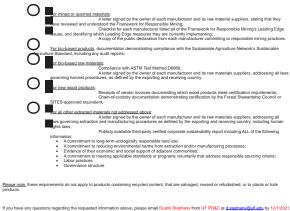
<u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

Notan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Notan.davis@copi.com 352-756-7377

Global Reporting Initiative (GRI) sustainability report;

- Organization for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Respon
- Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following



Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Sternberg Lighting



October 11, 2021 Sternberg Lighting

555 Lawrence Ave, Roselle, IL 60172

Dear Stemberg Lighting,

Credit 5.7: Support responsible extraction of new materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of naw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are assisting your opinazization.

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metals supplement, if applicable; and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

- To help us achieve 3 points for Option 2, please provide the following:
- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement, If applicable);
- A publicly available sustainability statement that discloses efforts to achieve sustainable practices
- To help us achieve 5 points for Option 3, please provide the following:
- <u>A third-party verified</u> corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

- Global Reporting Initiative (GRI) sustainability report;
- Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises
- U.N. Global Compact: Communication of Progress;
- ISO 26000: 2010 Guidance on Social Responsibility · Other programs meeting CSR criteria.

Responsible extraction criteria as demonstrated by the following Commend or quarticle material Analis signed by the owner of each manufacturer and its raw material suppliers, stating that they have weeved and understood the Framework for Responsible Mining. Checklast for ach manufacturer listed all of the Framework for Responsible Mining's Leading Edge aces, and identifying which Leading Edge masses they are comming to responsible mining practices. A copy of the public declaration from each manufacturer commiting to responsible mining practices. Eor bic-based products, documentation demonstrating compliance with the Sustainable Agriculture Network's Sustainable Agricul standard, including any audit reports; O or <u>bio-based raw materials</u>: Compliance with ASTM Test Method D6866; A letter signed by the owner of each manufacturer and its raw materials suppliers, addressing all laws ooverning harvest procedures, as defined by the exporting and receiving country. Ο or new used products: Receipts of vendor invoices documenting which wood products meet certification requirements. Chain-of-custody documentation demonstrating certification by the Forest Stewardship Council or constructions. Bit 15-dipprove uses another Bit 15-dipprove uses another in additional databased above: A letter signed by the owner of each manufacturer and its naw materials suppliers, addressing all Adder signed by the owner of each manufacturer procedures as defined by the exporting and receiving country, including human manufacturer procedures as defined by the exporting and receiving country, including human pro-M-ch winklable brick-party verified corporate sustainability report including ALL of the following Publicly available third-party writified corporate substantiability report including ALL of the following Information: A commitment to insplant encologically responsible indiru aux: A commitment to insplant encologically responsible indiru aux: A commitment to resturb compare and costal support of adjacent communities; A commitment to meeting applicable standards or programs voluntarily that address responsible sourcing officiency Governance structure

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide nonlicits.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>dephany@ufl.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable pla

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



October 11, 2021

Watson Construction

940 NW 247 Dr, Newberry, FL 32669 Dear Watson Construction,



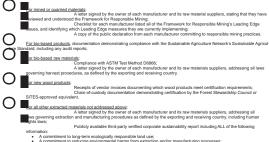
Thank you for your participation in SITES and for your part in making sustainable places

Organisation for Economic Co-operation and Development (OECD) Guidelines for Multinational Enterprises;

Global Reporting Initiative (GRI) sustainability report;

Responsible extraction criteria as demonstrated by the following

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termation: A commitment to tong-term ecologically responsible lund use. A commitment to tong-term ecologically responsible lund use. A commitment to reaction; any information lamms from estancian and/or manufacturing processes; Evidence of their economic and social support of adjacent communities; A commitment to meeting applicable standards or programs voluntarity that address responsible sourcing oriteria; Libble practices Covernance starburse

Please note: these requirements do not apply to products containing recycled content, that are salvaged, reused or refurbished, or to plants or hide products.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ull.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the sourceriste human step and the stephane step

Credit 5.7: Support responsible extraction of raw materials aims to protect ecosystems, respect cultural and community values, and improve land use through responsible extraction of raw materials for site design and construction. To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to:

- Track and disclose sustainable extraction processes by implementing a Global Reporting Initiative (GRI) sustainability report, or equivalent, including the Mining and Metala supplement, if applicable, and by publishing a publicly available sustainability statement that discloses efforts to achieve sustainable practices.
- Provide five percent of the total materials that meet or exceed the responsible extraction criteria outlined below, based on cost.

Your organization is receiving this latter as a provider of rare materials to 107-661 androgon Material Philip Philip conflictions as a sustain-ably developed metagers that the subantel Sale Intillative (ISTESI). STES developed metagers comprehenses until system designed to distinguish sustainable sitiles, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GBC) and come informa-tion about the program (Including a free download of the STESI V 2 Raing System and Soccercari) is available at www.sustainablesles.org.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d_stephany@uff.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

- Evidence of disclosure of annual environmental practices via the Global Reporting Initiative (GRI), or equivalent (including the Mining and Metals supplement. if applicable): A publicly available sustainability statement that discloses efforts to achieve sustainable practices
- To help us achieve 5 points for Option 3, please provide the following:

A third-party verified corporate sustainability report (CSR), including statements of environmental impacts of extraction operations and activities associated with the manufacturer's product and the product's supply chain, in one of these formats:

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan, davis @copi.com 352-756-7377

Sincerely,

B. C5.8 Letters

Armstrong



October 11, 2021

2500 Columbia Ave Bldg 701, Lancaster, PA 17603

Dear Armstrong World Industries,

nona World Industries

Your organization is receiving this letter as a manufacturer of materials for UF-658 Landscape Master Plan Project, which is seeking certification via the Sustainable Sites Initialrve® (ISTESØ). SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure the trepremence, and device the value of Indiscopes. It is administered by the offeres Business Certification Inc. (GRC) and more information about the program (Including a free downtoad of the SITES v2 Rating System and Scorecard) is available at www.sustainableates.org. SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose che inventories and / or conduct chemical hazard assessments, per the guidance below. for the following products:

· Pipes, hoses, and irrigation components

Chamical investories are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably allocationable, all chemicals interiorally added by the manufacturer, any intermediate chemicals that may be wholly or partially consumed durt the manufacturing process, and any process chemicals that may end up in manufacturing effluent to be therwise released.

Chanced language assessment of the process of benefitying product constituents, octioning, developing, and evaluating data on human hashes in and one-more and anguage that an consingencies impondence hashing and evaluation of the start of the start of the start constraints of comparisons of alternatives to determine relative "greemess" and safety. The process also identifies areas for imporvement. Chemical hazart assessments, location of histern fills of chemical, during tails and account spocuse canceriancia as an one indephand endinghy its assessment sources.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: Chemical inventor product ries covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.



October 11, 2021

heatric 5080 Rocker Hwy, Winter Haven, FL 33880

Dear CertainTeed,

Your organization is receiving this letter as a suggeter of materials for UE-F696 Landscope Matter PUIn Project, which is seeking certification via the Sustain-able Silas Initiatives (ISTESI). SITES offers a comprehensive rung system designed to distinguish astantiable siles, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification for. (ISCI) and more information about the program (including a free dominal of the SITE X Rating System and Scoperand is sumbled at www.sustainable.sites.org.) SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose ch inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical investories are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably ascentariable, all chemicals intentionally added by the manufacture, any intermediate chemicals that may be wholly or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effluence to be chewice released. Channel assessment development of the process of identifying product oxolitants; channel assessment advantage of the process of identifying products oxolitants; channel assessment advantage of the process and advantage of the process advantage of

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d_stephany@ufl.edu</u> by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

- Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: Chemical inventories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the product
 - In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intenti al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:

- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data sources

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards: Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSH4) Occupational Health Heard Communication Standard (29 CFR 1910); the U.S. Consumer Production Safety Ara and Federal Hazardos Substances Act. And the U.S. Federal Hade Commission laws and guidelines prohing desciptive actor practices, include complexity representations in advertising, labeling, product inserts, catalogs, and safes presentations (or local equivalent for projects outside of the United States).
- For products required by the U.S. OSHA to have a safety data sheet (SDS), make a comprehensive SDS, in addition to all product ingredient and warring labels as required by the Consume Product Safety Commission. SDSs should be provided for elemental components of formulated mixtures [starticular] multi-component product systems] but undergo chemical accession in shu. Also provide SDSs (in the product section) and approximation of the startic systems and the startic section accession in the startic provide SDSs (in the product section) and approximation of the startic section of mixtures (particularly multi-comp from such chemical reaction.
- For advances for which the manufacture or supplies has developed as SDS consistent with the United Nations (Biokay Hammotized System or Lossification and Leibing of Deminical (SDS), only CHS-compared SDSs will assistly the requirement, For Justances for which on CHS-compliand and SDS is available, a report prepared within the previous five years in accordance with the NSF/GCI/ANSI SSS Geneen Chemicals Products and Processes Information Standard shall be deemed to satisfy their anguirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>detechany@ull edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the arronnrale hor hor.

Thank you for your participation in SITES and for your part in making sustainable places.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 352-756-7377

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentic al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products usina:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DfE Alternatives Assessment Criteria for Hazard Evaluation

- Criteria should be consistent with lederal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational a Health Hazard Communication Standard 25 CPR 1910; the U.S. Consumer Production Safety Commission Consumer Product Safety Act and Pederal Hazardox Substances Act, and the U.S. Pederal Transch Commission laws and publicines prohibiting deceptive stor spratcises, including deceptive representations in advertising, labeling, product insertis, catalogs, and sales presentations (or local equivalent for projects outside of the United States).
- For substances for which the manufacturer or supplier has developed an SDS consistent with the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS), only GHS-compliant SDSs will satisfy this requirement. For substances for which no GHS-compli and SDS is substantial as regord pregared thin the previous flow grave in accordance with the NSF/GCIANSI 3SS Greener Chemicals Products and Processes Information Standard shall be deemed to satisfy this requirement.

Please note; these requirements do not apply to products or materials that are salvaged, reused or refurbished.

Thank you for your participation in SITES and for your part in making sustainable places

Nolan Davis

Documentation for Option 2, AND

- U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data source

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- For products required by the U.S. OSHA by have a stelly data sheet (SOS), make a comprehensive 350, is addition to all product ingestering and varing labels as majured by the Comment Product Stelly Commission. SOSA build be provided to chemical discoperation matures (particularly mail-component product systems) that undergo chemical reactions in allu. Also provide SDSs for final products resulting from such chemical reaction.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ufi edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the economistic and the econ

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 352-756-7377

Cubic Sustainable

October 11, 2021

Cubic Transportation Systems, Inc 1308 South Washington St, Tullahoma, TN 37388

Dear Cubic Transportation Systems, Inc,

Your organization is nearlying the latter are a manufacture of metatolish for UE-66L androugo bases Plan Project which is aveiling coefficiation on the statisticable tables interesting STETES (STE STE offers a comprehension rading splate indexplot to distinguish adminished in the statisticable the value of landscapes. It is administered by the Green Bauress Certification Inc. (SEG) and nove information about the program (including a free download of the STES v2 Rading System and Scoreared) is available at was assistantibelishies, or STES Certification and service and service.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemical inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

<u>Classical instructions</u> are defined as the listing of all homicular associated with the manufacturing of a material and should include, to the setter hom or instructuring structuring and enteriorized structure of the manufactures regiment. Start may be wholey or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effective of there is essential the manufacturing process, and any process chemicals that may end up in manufacturing effective of the distribution of the manufactures of the manufactures and the estimate of the distribution of the manufacture effective of the distribution of the manufacture effective of the distribution of the setter without the distribution of th

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at distephany@ufl.edu by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

Documentation demonstrating disclosure of material chemistry, including GHS-complene (https://www.odu.agov/stg/matcom/ghgu/decctD/gd), or otherwise complexed Stated Jabox. The includes:
 Otherwise complexed investories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the product investories covering all chemicals.

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentiti al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:

- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
 U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards: • Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification or known imputties and bypositods.
- Citeria should be constanted with federal regulations, including the U.S. December 2014 and Health Administration (DSNA) Occupational and Health Health Communication Stantard CS CTR 1910; Ibs U.S. Consumer Production Stately commission Communer Product Stately Act and Pedral Health Statel Communication Statement Act and the U.S. Federal Trade Commission laster and guideline proteined reduction and december and product statement Act and the U.S. Federal Trade Commission laster and guideline proteined reduction and december and guideline representations in advertising, labeling, product intents, catalogs, and sales presentations (or local equivalent for projects outside of the United States);
- For products required by the U.S. OSHA to have a safety data sheet (SDS), make a comprehensive SDS, in addition to all product ingredient
 and warning labels as required by the Consume Product Safety Commission, SDS should be provided for chemical components of
 motures (particularly multi-component product systems) that undergo chemical reactions in situ. Also provide SDSs for final product seating from
 such chemical reaction.
- For substances for which the manufacturer or supplier has developed an SDS consistent with the United Mations Globally Hammoized System of Casaditation and Labeling of Chematical (RHS), only (Sto-Somplant SDS availability his requirement. For substances the which no GRS-complant SDS is available, areport prepared within the previous file space in accordance with the NSF/GCU/NSI 3S5 Greener Chemicals Products and Processes (Information Standard and tab detemot 0 assist) the requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>disterbany@ufl.edu</u> by 12/12021. Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

Nolan.davis@cppi.com 352-756-7377





October 11, 2021

2826 Lineberger Industrial Dr, Lancaster, SC 29720

Dear Don Construction Products

Your organization is reaching this letter as supplier of materials for UF-665 Landscape Mater Plan Project which is weaking coefficient on the Substrated bis lists initiative (ITES9). ISTES offers as comprehensive ringin system designed to distinguish automation about the program (including a feed ownike) of the STES is Z railing system and Sociectual) is available at all waves substantiable tasks, measures their performance, and the downiked of the STES is Z railing system and Sociectual) is available at all waves substantiable tasks, measures STESE Coeff S.B. Support reinsparserup and safe chemistry amis to decrease harmful health and environmential impacts and encourage the use of safer alternatives by provide the standard substrational strating and the strational strategies and the strate of the strate strategies and the strategies and the strategies and the strategies with the strategies and the strategies

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemical inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

<u>Chemical instantials</u> are defined as the listing of all orhenicals associated with the manufacturing of a material and should include, to the extern thrown or reasociatily associationable, all chemicals instructionally added by the manufacturing of immendiate chemicals that may be wholey or partially consumed during the manufacturing process, and any process demicals that may end up in manufacturing efficient or be otherwise released. <u>Chemical hazard assessment</u> refers to the process of identifying product costituents; collecting, developing, and evaluating data on human health and environmental endpoints such as cancerpoint, reproductive toxion, manufolduring qualic toxion; and pensitience; and demilying potential hazards. This process allows for companion of attentivities to determine relative "geneness" and safey. The process also is for important as a new in-cheful hard endpoint assessment works.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.obta.gov/dsg/hazcom/ghsguidecd05.pdf), or
otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes:
Chemical inventories covering all chemicals, whether used intentionality or otherwise known to be present, in all life cycle stages of the
product

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species. A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intention al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards:
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification or known imputities and byproducts.
 Orders abwind the consistent with federal remulations: includent the LLS. Occurational States and Health Administration (ISHA) Decunational and
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational and Health Hazard Communication Standard (28 CFR 1910); the U.S. Occupational Safety Commission Consume Product Safety Act and Pederal Hazardos Subatance AC 4 and the U.S. Federal Trade Commission laws and guideline spothesis decision set of practices, including deceptor representations in adventism, ablefing, product insens, catalogs, and safes presentations (or local equivalent for projects outside of the United States).
- For products required by the U.S. OSHA to have a safety data sheet (SDS), make a comprehensive SDS, in addition to all product ingredient and warning labels as required by the Consumer Product Safety Commission, SDSs should be provided for chemical components of formulated matures (particularly multi-component product systems) that undergo chemical reactions in situ. Also provide SDSs for final products resulting for such chemical reaction.
- For substances for which the manufacturer or supplier has developed an SDS consistent with the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS), only GHS-compliant SDSs will safely this requirement. For substances for which no GHS-compliant SDS as wallable, report prepared within the previous live years in accordance with the NSF/GCIANSI 355 Greener Chemicals Products and Processes Information Standard shall be deemed to satisfy this requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>stephany@ull.edv</u> by 121/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@copi.com 352-756-7377

Dow Corning



October 11, 2021 Dow Coming

760 Hodgenville Rd, Elizabethtown, KY 42701

Dear Dow Corning,

Your organization is networking this letter as a numericulator of materials for UE-660 Landscape Matter Plan Project, which is adving coefficiation on the solutionable distribution of UETES of thes a comprehensive rading system designed to indigraph substantiable laters, and elverate the value of landscapes. It is administered by the Green Business Certification Inc. (GECI) and nore information about the program (including a free download of the UETES VZ Rading System and Soccession) is available at www.substantiablesles.com SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose ch inventories and / or conduct chemical hazard assessments, eer the guidance below. for the following products:

· Pipes, hoses, and irrigation components

Chemical investiging are defend as the lating of all chemicals associated with the manufacturing of a material and about include, to the extent known or reasonably ascentariable, all chemicals intentionally added by the manufacturer, any intermediate chemicals that may be wholly or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effluent or be offlewise released.

Termical hazard assessment refers to the process of identifying product constituents, collecting, developing, and evaluating data on human health and envi-ronmental endpoints such as carcinogenicity, reproductive biologin, neutrotoxicity, aquatic toxicity, and persistence; and identifying potential hazards. This pro-cess allows for comparisons of alternatives to determine relative "greenness" and safety. The process also identifyee potential hazard assessments, locused on inherent risks of chemicals, do not take into account exposure scenarios as a more in-depth and lengthy risk assessment would:

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at dstephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: Chemical inventories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intention al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:

- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- · U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available) An equivalent robust hazard assessment strategy using recognized and reliable data sources

Disclosure Documentation Guidance

- All disclo res must adhere to the following standards:
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational Health Hazard Communication Standard (28 CFR 1910); the U.S. Consumer Production Safety Commission Comsumer Product Safety Act an Federal Hazardox Substances Act, and the U.S. Redeal Track Commission laws and guidelines prohibing deceptive as to practices, inclu deceptive representations in advertising, abeling, product inserts, catalogs, and safes presentations (or local equivalent for projects outside of the Linkt Status;
- For products regarded by the U.S. (SSR A) have a safety data sheet (SRRS), mate a competitive SDC, in addition to all product regredent software states and matters garded any material reaction.
- For subtances for which the manufacture or supplier has developed as DSD consistent with the United Nations Globally Hammoted System Or cassification and Lealing of Chemical (CSD), why CHS-consider SSDs will assign the requirement. For unstances for which on CHS-compliant and SSDs is available, a report prepared within the previous five years in accordance with the NSF/GCI/ANSI 355 Greener Chemicals Products are Processes Information Standard shall be derend to satisfy the requirement. Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>detechany@ull edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the arronnrale hor hor.

Thank you for your participation in SITES and for your part in making sustainable places.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

352-756-7377



GBCI' Initiative"

October 11, 2021

1467 Prosser Dr SE, Dalton, GA 30721

Dear DuPont.

DuPont

Your organization is neeving this latter as a manufacturer of materials for UH-601 Landscape Matter Plan Project, which is adving outfittability of the Sustainable Gene Instance/GITESB / ISB offer a comprehensive raining system designed to distinguish sustainable latter on and elevate the value of landscapes. It is administered by the Green Busieness Certification Inc. (GBCI) and more information about the program (including a free download of the UTES V 2R and green and Society and a smallbeat at wave sustainable/elles core). SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chen inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical invectories are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably ascentariable, all chemicals intentionally added by the manufacture, any intermediate chemicals that may be wholly or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effluence to be chewice released. Cannot have a search of the second of the second of contributing product contributing dowlenging, and when the second of the sec

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d_stephany@ufl.edu by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: Chemical inventories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the product

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intention al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products usina:
- BizNGO's Chemical Alternatives Assessment Protocol
- U.S. EPA's DfE Alternatives Assessment Criteria for Hazard Evaluation

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@uff.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

- GreenScreen for Safer Chemicals
- · U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data sour

Disclosure Documentation Guidance All disclosures must adhere to the following standards

- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Cellula should be consistent with fielded regulations, including the U.S. Occupational Safety and Health Administration (DSHA). Discupational Health Histard Cellula Schellula (2014) (2 deceptive represent the United States).
- Per product required by the U.S. ODM to have a safety data sheet (SDS), make a competentive ODA, in addition to all product inpredent and usaring latella is negaring the Comman Product data (Commission, SDS), should be producted for chemical component of formulate makers (particularly mails-component product systems) that undergo chemical treactions in situ. Also provide SDSs for final products resulting from such chemical reaction.
- For substances for which the manufacturer or supplier has developed an SDS consistent with the United Nations Globally Harmonized System of Classification and Labeling of Cheminals (GRS), only GRS-compliant SDSs will satisfy this requirement. For substances for which no GRS-compliant SDS is smalled, a report prepared within the previous they ease in accordance with the NSF/GCI/ANSI 3SS Greener Chemicals Products and Processes Information Standard shall be deemed to satisfy this requirement.

Please note; these requirements do not apply to products or materials that are salvaged, reused or refurbisi

Thank you for your participation in SITES and for your part in making sustainable places

Nolan.davis@cppi. 352-756-7377



	Sustainable
666	SITES
	Initiative"

October 11, 2021

GCP Applied Technologies Inc 2325 Lakeview Pkwy Suite 450, Alpharetta, GA 30009

Dear GCP Applied Technologies Inc,

Your organization is nearlying the latter are a manufacture of metabolish of UE-SSE Landscape Material Pan Project which is weeking coefficiation on its the statisticable table unlearned STETESD / TSE dorts a comprehension rading splate metabolish a statisticable share, and elevate the value of landscapes. It is administered by the Green Bautesa Certification Inc. (SEO) and nove information about the program (including a free download of the UTES v2 Rading System and Scorearea) is available at www.saturababelsies.com [STES Certification Panel] and an elevation metabolish and the state of the state and the st

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemical inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

<u>Obstitution instatutions</u> are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the setteral horm or instancial instatutionals, all chemicals instantials with the manufacturing informediate chemicals that may be always or partially consumed during the manufacturing influence of the manufacturing influence of the manufacturing influence of the manufacturing and the manufacturing and the manufacturing influence of the manufacturing and the

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d_stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

 Documentation demonstrating disclosure of material chemistry, including GHS-complaint (https://www.orbi.agovidaphatecom/shpuideoctCB_dH), or otherwise complex Safety Data Sheep, and chemical askety profis of the percent or more of the products Safet advore. The includes: Demical investories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the product.

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species. A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentional. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
 U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards: • Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification or known imputties and bypositods.
- Citeria should be constanted with federal regulations, including the U.S. December 2014 and Health Administration (DSNA) Occupational and Health Health Communication Stantard CS CTR 1910; Ibs U.S. Consumer Production Stately commission Communer Product Stately Act and Pedral Health Statel Communication Statement Act and the U.S. Federal Trade Commission laster and guideline proteined reduction and december and product statement Act and the U.S. Federal Trade Commission laster and guideline proteined reduction and december and guideline representations in advertising, labeling, product intents, catalogs, and sales presentations (or local equivalent for projects outside of the United States);
- For products required by the U.S. QBM to have a address data sheet (QSD), mate as comprehensive SDS, in address the product system) and address of the state of t
- For substances for which the manufacturer or supplier has developed an SDS consistent with the United Mations Globally Hammoized System of Casaditation and Labeling of Chematical (RHS), only (Sto-Somplant SDS availability his requirement. For substances the which no GRS-complant SDS is available, areport prepared within the previous file space in accordance with the NSF/GCU/NSI 3S5 Greener Chemicals Products and Processes (Information Standard and tab detemot 0 assist) the requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany Bull edu</u> by 12/12021. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

Nolan.davis@cppi.com 352-756-7377



GBCI[®] Initiative[®]

October 11, 2021

7107 NW 4th Blvd, Gainesville, FL 32607

Dear Home Depot,

Home Depot

Your organization in reverving this team as a suggiare of materials for UF-566 Landscore Master Plan Project, which is seeking certification via the Sustainable Data Initiation (STES9). STES 566 res a comprehension raining system designed to distinguish sustainable eilum, measure their performance, and elevate the value of landscapes. It is administered by the Green Baureses Certification Inc. (SEO) and more information about the program (including a free download of the STES 24 Stating System and Socrearce) is available at www.sustainablesites.org. STESS Certifi SE Support transportery and safe chemistry aims to docrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventions. Elevice information, and hazed assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemi cal inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

<u>Chemical instructures</u> are defined as the listing of all chemicals sesociated with the manufacturing of a material and should include, to the extert in rescandary assestmentals, all chemicals instruminates in the manufacturing interesting and instrumes and emical set many behaviory or parality consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effected to be otherwise research chemical hazard assessments (in text the process chemicals that may end up in manufacturing effected to be otherwise research servicemental and patients and any process chemicals that may end up in manufacturing effected to be otherwise research servicemental and patients and service productive forcing product constitutions. Cleating, developing, and valuating patient hazard, this process allows on comparisons of allows the interview service market of an addy. The process allow for the services are for improvement. Chemical hazard assessments, locued on inherent risks of chemicals, do not take into account exposure scenarios as a more in-depth and lengthy risk assessment would.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material: chemicity, licklang GHS-compliant (https://www.oda.gov/styp.aucom/styp.auco

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species. A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intention al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products usina:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards:
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational and Health Hazard Communication Standard (28 CFR 1910); the U.S. Comsumer Production Safety Commission Consumer Product Safety Act and Pederal HazardSubstances AC+A and the U.S. Federal Intel Schemission in user of Judicity Englishing deceptive sets products, including deceptive representations in advertising, abeing, product inserts, catalogs, and safets presentations (or local equivalent for projects outside of the United States).
- For products required by Net U.S. OSHAIb have a safety data sheet (SSD), make a competencies SSD, in addition to all product inpredient and usaring labels as required by the Consinner Potentic adder Commission. SSD shauld be provide to chemical competends of Semilabil making (particularly multi-component product systems) that undergo chemical reactions in situ. Also provide SDSs for final products resulting for such chemical reaction.
- For substances for which the manufacturer or applier has developed an DSD consistent with the United Mations Globally Hammolocal Options of Classification and Ladeing of Chemical (CHS), any (OE) compared SDS as well addy the negaritement. For substances to which hen OSS-competant SDS is available, a report prepared within the previous the years in accordance with the NSF/GCIANSI 355 Greener Chemicals Products and Processes information Standard and the detement to assist the requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distributing likely</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis

Charles Perry Partners, Inc. 300 SW 13^e St, Gainesville, FL 32611 Nolan davis @cppi.com 352-758-7377

Hunter Industries



October 11, 2021

4501 Hunter Rd #9204, San Marcos, TX 78666

Dear Hunter Industries.

Your organization is neeving this latter as a manufacturer of materials for UE-66E Lendocope Matter Plan Project, which is seeking ord/fication via the solutionable Biotic Instance/BICTERSI, IEEE Softers a comprehensive raining system designed to disfungational baselinable allows measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GBCI) and more information about the program (including a free download of the UETSI v2 Raining System and Scorecard) as available at www.sustainable(ites core). SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose ch inventories and / or conduct chemical hazard assessments, eer the guidance below. for the following products:

· Pipes, hoses, and irrigation components

Chamical investories are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably allocationable, all chemicals interiorally added by the manufacturer, any intermediate chemicals that may be wholly or partially consumed durt the manufacturing process, and any process chemicals that may end up in manufacturing effluent to be therwise released.

Cameral instances and accurate the process of learning product constituents collecting, developing, and evaluation global on human hashin and any constrained instances that cancelogeneous expendicular to instances and the evaluation of the evalua

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: ries covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the Chemical inventor product

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentifial. This reporting includes the identification of any imputities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:

- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- · U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available) An equivalent robust hazard assessment strategy using recognized and reliable data sources

Disclosure Documentation Guidance

- All disclo res must adhere to the following standards:
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identificatio or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational Health Hazard Communication Standard (28 CFR 1910); the U.S. Consumer Production Safety Commission Comsumer Product Safety Act an Federal Hazardox Substances Act, and the U.S. Redeal Track Commission laws and guidelines prohibing deceptive as to practices, inclu deceptive representations in advertising, abeling, product inserts, catalogs, and safes presentations (or local equivalent for projects outside of the Linkt Status;
- For products regarded by the U.S. (SSR A) have a safety data sheet (SRRS), mate a competitive SDC, in addition to all product regredent software states and matters garded any material reaction.
- For substances for which the manufacture or supplies has developed as SDS consistent with the United Nations Globally (harmoniced System or cossistication and useling of Chemical (SOS), why CHS-comparing SDSs with assistivity the requirement, Pro-amical SDS is available, a report prepared within the previous five years in accordance with the NSF/GCI/ANSI 3SS Globally Produces and Processes Mormanics Distances and be deemed to satisfy the requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>detechany@ull edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the arronnrale hor hor.

Thank you for your participation in SITES and for your part in making sustainable places.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

352-756-7377

Huntsman **Building** Solutions



October 11, 2021

Huntsman Building Solutions

10003 Woodloch Forest Dr, The Woodlands, TX 77380

Dear Huntsman Building Solutions,

Your organization is neeving this latter as a manufacturer of materials for UH-601 Landscape Matter Plan Project, which is adving outfloader on its the Sustainable Gene transver (GITESB), IEIS of ens a comprehensive raining system designed to distinguish sustainable latter on and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GBCI) and more information about the program (including a free download of the UTES V2 Raining System and Scotecard) and available at wave sustainable(ites core). SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chen inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical invectories are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably ascentariable, all chemicals intentionally added by the manufacture, any intermediate chemicals that may be wholly or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effluence to be chewice released. Cannot have a search of the second of the second of contributing product contributing dowlenging, and where the second of the se

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d_stephany@ufl.edu by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

- Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: Chemical inventories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the product
 - In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentic al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- An equivalent robust hazard assessment strategy using recognized and reliable data sour

Disclosure Documentation Guidance

- For advances for which its enandmature or exploit has developed an 355 constant with the Under Nations Globally Hermotules System of Searchardson and Habing of Dihensite (16), which GKS constant State State State State State State And And State State State State State And And State Stat

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d_stephany20/if.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the accrorate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi. 352-756-7377

U.S. EPA's DfE Alternatives Assessment Criteria for Hazard Evaluation

· U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)

All disclosures must adhere to the following standards

- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational a Health Hazard Communication Standard (29 CFR 1910), the U.S. Consumer Production Safety Commission Consumer Product Safety Act and Pederal Nazardox Substance Act can all the U.S. Federal Track Commission Nase and packetings prohibit of geochyse acts or practices, includ decopite representations in advertising, labeling, product inserts, catalogs, and safes presentations (or local equivalent for projects outside of the United States).
- Per product required by the U.S. ODM to have a safety data sheet (SDS), make a competentive ODA, in addition to all product inpredent and usaring latella is negaring the Comman Product data (Commission, SDS), should be producted for chemical component of formulate makers (particularly mails-component product systems) that undergo chemical treactions in situ. Also provide SDSs for final products resulting from such chemical reaction.

Please note; these requirements do not apply to products or materials that are salvaged, reused or refurbisi

JM Eagle



October 11, 2021

2101 J-M Dr, Adel, GA 31620

Dear JM Eagle,

Not organization is received pill retem as a manufacture of nationals for UE 920 Landauge hauter Plan Proger, which is seeting don't leader to a the Solumidate Bank meets (BTES) and the solution of the solu

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemical inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical inventories are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonally ascertainable, all chemicals interitorially added by the manufacturer, any intermediate chemicals that may be wholly or partially consumed during the manufacturing process. Are inclused that may erid up in manufacturing effect on the chemice relation. Chemical hazard assessment refers to the process of clenicity product constituents; coldering, developing, and evaluating data on human health and environmental endored such as carbonicable: reproductive today, neurotoxicity, audit today. In advance to advance today and a such as the submical material material advance of the process of clenicity product constituents; collecting, developing, and evaluating data on human health and environmental endored such as carbonicable; reproductive today, neurotoxicity, audit councils today and evaluating data on human health and environmental endored such as carbonicable; reproductive productive conditionable; and evaluating data on human health and environmental endored such as carbonicable; reproductive productive conditionable; and evaluating data on human health and environmental endored such as carbonicable; reproductive productive conductive conditionable; and evaluating data on human health and environmental endored such as carbonicable; reproductive productive conductive conductive productive conductive conductive conductive environmental environmental endored and the environmental endored such as carbonic advice environmental environmental environmental environmental environmental

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at disterbany@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

 Documentation demonstrating disclosure of material chemistry, including GHS-complate (https://www.odu.agvideghatcom/shquidectdD_dH), or otherwise complex SMMp Ubla Sheep, and chemical safety profits for the present or more of the products listed above. This includes: Chemical investrations covering all chemicals, whether used intentionality or otherwise known to be present, in all fle cycle stages of the product.

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intenti al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:

- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
 U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- O.S. EPAS Sustainable rubules ioo suite to be used unity when measured data is not available
 An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

- Il disclosures must adhere to the following standards:
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational and Health Hazard Communication Standard (20 CFR 1910); Ihe U.S. Consumer Production Safety Commission Comumer Product Safety Act and Federal Hazard Communication Standards (20 CFR 1910); The U.S. Consumer Production Safety Commission Commer Product Safety Act and In the U.S. Safety and Safety and Safety and the U.S. Federal Trade Commission tax and guidelines prohibing deceptive each contaction, Including deceptive representations in advertising, labeling, product Inserts, catalogs, and safets presentations (or local equivalent for projects outside of the United States).
- For products required by the U.S. OSHA by two as addey data (SLOS), make a comprehensive SDS is a addition to all product operational and the state of the makers (particularly mak-component product systems) that undergo chemical reactions in situ. Also provide SDSs for final product resulting from such chemical reaction.
- For substances for which the manufacturer or supplier has developed an SISE consistent with the United Nations Globally Hammonized System of Classification and Labeling of Chemical (SIRS), only (OF comprised SISS with safety their requirements). The substances twithin he GRF-comprise and SISE is available, a report prepared within the previous file years in accordance with the NSF/GCIANSI 355 Greener Chemicals Products and Processes Horizonta Situational Situation and the deemed to safety the requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@olf.edu</u> by 12/12021. Otherwise, please email the requested documentation by 1/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

300 SW 13⁺ St, Gainesville, FL 3

352-756-7377



GBCI' Initiative"

October 11, 2021

LG Electronics 111 Sylvan Ave, Englewood Cliffs, NJ 07632

Dear LG Electronics,

Your organization is neeking this letter as a manufacturer of materials to UII-660 Landscape Matter Plan Poject, which is seeking outfitabular on the solutionable Sites. In this section of the Site Sites on comprehensive rating system designed to distinguish assanizable sites, measure heri performance, and elevate he value of landscapes. It is administered by the Green Business Certification Inc. (GBCI) and more information about the program (including a free download of the STE's V Rating System and Socreacies (is available at www.sustimablesis.co.g.). STEES Cordit Site Support transportery and site for heritary arises to decrease hermit health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, Hindreyce Information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemical inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Characterizationschulta are defined as the listing of all orbanicals associated with the manufacturing of a material and should include, to the extern thrown or reasociatily associationable, all chemicals interioritically added the manufacturing of immendiate chemicals that may be wholey or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing efficient or be otherwise released. Chemical hazard assessment (refers to the process of identifying product constituents; collecting, developing, and eveloping), and eveloping and end whole and the manufacturing efficient or be otherwise released. This process allows for comparison of attenuitive to determine reliable "greemess" and safety. The process also identifying potential hazards. This process allows for comparison of attenuitive to determine reliable "greemess" and safety. The process also identifying potential hazards concernition and and the concernition of the end to the concernition of the end to the concernition and material head to the end to the concernition and material head to the end to th

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.oaha.gov/dsghazcom/ghsguidecot05.pdf), or
otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes:
Chemical inventories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the
product

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species. A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intention al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
 An equivalent robust hazard assessment strategy using recognized and reliable data sources.
- An equivalent robust nazard assessment strategy using recognized and reliable data so

Disclosure Documentation Guidance All disclosures must adhere to the following standards

- Calculation may be not not not coming announce.
 Each subscription should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (05HA) Occupational and Health Hazard Communication Standard (26 CFR 1910); the U.S. Comsumer Production Safety Commission Consumer Product Safety At and Federal Hazardson Substances AC and the U.S. Federal TaseS commission have and guidelines profiling deceptive action deceptive representations in advertising, labeling, product inserts, catalogs, and safes presentations (or local equivalent for projects outside of the United States).
- Per product required by the U.S. ODM to have a safety data sheet (SDS), make a competentive ODA, in addition to all product inpredent and usaring latella is negaring the Comman Product data (Commission, SDS), should be producted for chemical component of formulate makers (particularly mails-component product systems) that undergo chemical treactions in situ. Also provide SDSs for final products resulting from such chemical reaction.
- For substances for which the manufacturer or supplier has developed an SDS consistent with the United Nations Globalty Harmonized System of Classification and Labeling of Chemicals (GHS), only GHS-compliant SDSs will satisfy this requirement. For substances for which no GHS-compliant SDS is analised, a report preparative within the provisor they eavies in accordance with the NSFIGCI/ANSI 355 Greener Chemicals Products and Processes Information Standard shall be deemed to satisfy this requirement.

Please note; these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephary from UF PD&C at <u>d stephary/Bull edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com

352-758-7377

Master Builders Soluctions



October 11, 2021

889 Valley Park Dr S, Shakopee, MN 55379

Dear Master Builders Solutions,

Your organization is networking this letter as a numericulation of materials for UE-660 Landscape Mater Plan Project, which is seeking confideation via the solutionable distinguishing GETESU / SETE Softers a comprehensive rafing system designed to sitilization businable lister. and elvente the value of landscapes. It is administered by the Green Business Certification Inc. (GBCI) and nore information about the program (including a free download of the UETS V2 Rafing System and Scorecard) is available at www.sustainablesties.cog. STEES Certification and an and an analysis of the second state state state state of the second state of the second state state state state of the second state st

To meet the Intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemical inventories and / or conduct chemical hazard assessments, per the ouldance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical investories are defined as the lating of all chemicals associated with the manufacturing of a material and should holide, to the extent known or reasonably ascentanian be, all chemicals interinorally added by the manufacturer, any intermediate chemicals that may be wholly or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effluent or behavior reasonable.

<u>Description lazzed assessment</u> of eleva to the process of identifying product constituents collecting, developing, and evaluating data on human health and environmented methods such as carringerickly reproductive toxicity, neutrotoxicity, aquaticitoxicity, and productive toxicity and productive toxicity and the process also identifies areas for improvement. The process also identifies areas for improvement, to the interview of the interview of the productive toxicity of the

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distephany@ull.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material elements, including GHS-compliant (https://www.orbia.gov/diss/hatcom/shiga/decod.pdf), or otherwise complete Safety Dias Sheets, and chemical adely reports for five percent or more of the products listed above. This includes:
 One-material investrations covering all chemicals, whether used interlinotably or otherwise is now no to be present, in all the cycle stage of the product.

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species. A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentional. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:

- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIF Alternatives Assessment Criteria for Hazard Evaluation
 U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards: • Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification or known imputies and byposited.
- Clinicia should be constanted with feeteral regulations, including the U.S. Doctstational Safety and Health Administration (DSNA) Comparisonal and Health Hatand Communication Statistic CS OFF 1810; the U.S. Consumer Productions Safety Commission Communication Statistics CA: A feeter Hatacommission Safety Campany CA and Prederin Hatacommission Safety Campany CA and Prederin Hatacommission Safety Campany CA and Health Campany Ca
- For products required by the U.S. OSHA b true is addey data and the USDS, make a comprehensive SDS is addition to all product operating and the USDS and the USD and the USD additional and the USDS and the USDS additional and the USDS and the USDS additional and product operating makers (particularly mak-component product systems) that undergo chemical reactions in sits. Also provide SDSs for final products resulting from such chemical reaction.
- For aukatasce for which the manufacturer or segment has developed an SBC consistent with the United Mationa Globally Hammotaced System of Classification and Labeling of Chematical (CMS), only of comparise SBCs with statisfy this requirement. For aukatances the which no GRS-compariant SBCs is available, a report prepared within the previous the years in accordance with the NSFGC(IANSI 335 Greener Chemicals Products and Processes Information Standard and the deemed to assist the requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PDAC at <u>datephany@olf.ed</u>, by 12/12021. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

Nolan.davis@cppi.com 352-756-7377



GBCI' Initiative"

October 11, 2021

W248 N5499 Executive Dr. Sussex, WI 53089

Dear Max-R,

Max-R

Your comprisation is netwining this latter as a manufacturur of materials for UE-661 Landnage Matter Plan Project, which is seeling confiduation via the Subanitability of the Statistical Statistica

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemical inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

<u>Characteristics</u> are defined as the taking of all hemicals associated with the manufacturing of a material and should include to the extert hornor or meanorably associationable, all chemicals interiorable manufacturicar with the manufacturicar process. And any process chemicals that may be valued or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturicar process. All developing, and evaluating data on human health and mentionmental developing such as comparison business. This process allows from the subsection of alternatives to determine taking "greeness" and safety. The process also benefities areas for improvement. Chemical haustand assessment process in allow of alternatives to determine taking "greeness" and safety. The process also benefities areas for improvement. Chemical haustand assessments process in all determines in the line in account express relations areas to improve ments. This process also benefities areas for improvements. The subsection of alternatives to determine taking the determines and safety. The process also benefities areas for improvements. The add assessments, included on inferent related dements, but take in the account express areas and and by the destinger of the account expression and adding of the access and adding the desting of the access areas for improvements. The add assessments includes on the sent related of the dements and the line function access accession as an one in-depting had depting in the assessement to adding the desting dements areas for improvements. The add assessments includes areas for improvements areas and adding the process activity areas areas for improvements and adding the desting dements areas for improvements areas and adding the desting dements areas for improvements areas and adding the desting dements areas for improvements areas and adding the dement addin

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at disten any@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including OHS complare (https://www.oha.gov/dap/haracom/phapul4eod05.pdf, or otherwise complete Safety Data Sheets, and chemical safety reports for the personit or more of the products listed above. This includes:
 Chemical inventories covering all chemicals, whether used intertionally or otherwise known to be present, in all list cycle stages of the product.

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentio al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data source

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards:
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational and Health Hazard Communication Standard (25 CFR 1910); the U.S. Occusamer Production Safety Commission Consumer Product Safety Act and Federal HazardSon Substances ACA and the U.S. Federal trade Commission laws and guidense profibing deceptive east deceptive representations in advertising, labeling, product inserts, catalogs, and safes presentations (or local equivalent for projects outside of the United Stans).
- Por products required by the U.S. ODM to have a safety data sheet (SDS), index a competensive SDA is addition to all product ingredent and sample labels as required by the Comman Product data (Commission, SDOS), should be producted for demonit admonstering of comparent of formulate matures (particularly mail: component product systems) that undergo chemical treadons in situ. Also provide SDSs for final products resulting from such chemical reaction.
- For advances for which the nanodature of seguine has developed an EDE consistent with the United National Socially Harmonized System of Cassification and Lealing of Orbenting (FIF), and (FIF)-consistent SIM with the National Socially Harmonized System of Social advances and the Social Advances and the Social Advances with the NSFIGCIANSI 355 Greener Chemicals Products and Processes informations Standard shall be derend to sality the requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephary from UF PD&C at <u>distertany@ufl.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

Nolan.davis@cppi.com 352-756-7377

NDS

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	Sustainable
	SITES
	Initiative"

October 11, 2021 NDS Inc

21300 Victory Blvd #215, Woodland Hills, CA 91367

Dear NDS Inc.

Your organization is resolving this latter as a manufacturur of materials for UE-661 Landcage Matter Plan Project, which is aceking confidation via the Substandals disar fundational GITESS (JES) (STES dress comprehensive rafing system designed for different buschandels elses, measure their performance, and elevate the value of landcages. It is administered by the Green Business Centification Inc. (GECI) and nore information about the program (including a free dominal of the UTES V2 Rafing System and Scorceard) is available at was usualizableables.com STES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemi cal inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical inventories are defined as the isting of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably ascertainable, all chemicals intentionably added by the manufacturer, any intermediate chemicals that may be wholy or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effluent or be chemical reased. Chemical hazard assessment refers to the process of identifying product constituents: in the process of identifying product constituents: the process allows for comparison of allows and the process of identifying product identifying product and the product allows and dentifying potential hazards. The process allows for comparison of allows analyses to dentify any advantage and identifying potential hazards. The process allows and benefits and the process allows and benefits are areas to implement and benefits areas and the product allows and benefits areas and and benefits areas areas and bente areas areas and benefits areas areas and benefits

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at distephany@ufl.edu by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: Chemical inventories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the product

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentio al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:

- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- · U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available) An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

- res must adhere to the following standards:
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational Health Hazard Communication Standard (28 CFR 1910); the U.S. Consumer Production Safety Commission Comsumer Product Safety Act an Federal Hazardox Substances Act, and the U.S. Redeal Track Commission laws and guidelines prohibing deceptive as to practices, inclu deceptive representations in advertising, abeling, product inserts, catalogs, and safes presentations (or local equivalent for projects outside of the Linkt Status;
- For products required by the U.S. QSM to have a addry data shee (SIS), must a comparison SZS, is addressed and a product logarithm of the state of the must state (particular) multi-compared product systems) that undergo chemical reactions in tits. Also provide SDSs for final products resulting from such chemical reaction.
- For sublators for which the manufacture or supplier has developed an BSG consistent with the United Mations Globally Harmonical System Classification and Labering of Demendia (GSS), only CHS-compliant ISBS will asteel With the Intel Matter Carbodines for With the OHS-cor-ant ISDS is available, a report prepared within the previous the years in accordance with the NSF/GCU/NSI 355 Greener Chemicals Products Processes Information Standard shall be detended to adally the requirement. Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distribury/built.edu</u> by 12/12022 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

352-756-7377



	Sustainable
	SITES
GBCI	Initiative [®]

October 11, 2021 OEC Business Interiors

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1925 SW 18th Ct Ste 105, Ocala, FL 34471

Dear OEC Business Interiors,

Your organization is receiving this letter as a suggister of materials for UE-F66 Landscope Master Plan Project, which is exel/ing certification via the Sustaina-able State Initiative (SIETER). SIEE Soft ends a comprehensive raining system designed to distriguint sustainable eiles, measure their performance, and elevate the value of indicaceps. It is administered by the Green Business Certification Inc. (SGC) and more information about the program (including a free dominal of the SIEE XP Atailing System and Scorecard) is suitable at view sustainablesters.org. SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemical inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Characteristics are defined as the Isling of all chemicals associated with the manufacturing of a material and should holdule, to the extent known or reasonably associativable, all chemicals intensionally added by the manufacturer, any intermediate chemicals that may be wholy or patially consumed during the manufacturing process, and any process chemicals that may one dup in manufacturer, any otherwise related. Classical house assumed assumed and the to the process of classifying product constructive, collecting, developing, and explaining data to human headh and environmental endershall such as carcinoping, reproductive housing, neutrotoxing, and qualitative card endershall proteinal hazards are the process allows for comparison of alternatives to determine relative greeness² and safety. The process also (endines are not endiness) and endiness, and not been in a constructive control and and endiness.

To demonstrate to GBC1 that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephany@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.adw.gov/dsg/hazcom/ghsguidecot05.pdf), or
otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed adver. This includes:
 Chemical inventories covering all chemicals, whether used intentionality or otherwise known to be present, in all life cycle stages of the
 product.

In cases where the compliation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intention al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DfE Alternatives Assessment Criteria for Hazard Evaluation · U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- · An equivalent robust hazard assessment strategy using recognized and reliable data sources

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Cellula should be consistent with fielded regulations, including inte U.S. Occupational States and Health Administration (DSHA). Discupational Health Histard Cellula Schlammerschlam States and Cellular 20 Comment Protocolis Salety Cernman (DSHA). Discupational Federal Histardous Substatunes Act, and He U.S. Federal Trads Commission Iwas and guidatines prohibiting deceptive acts or practices, include Cellular Schlammerschlam States and the U.S. Federal Trads Commission Iwas and guidatines prohibiting deceptive acts or practices, include Cellular Schlammerschlam Schlammersch deceptive represent the United States).
- Per product required by the U.S. ODM to have a safety data sheet (SDS), make a competentive ODA, in addition to all product inpredent and usaring latella is negaring the Comman Product data (Commission, SDS), should be producted for chemical component of formulate makers (particularly mails-component product systems) that undergo chemical treactions in situ. Also provide SDSs for final products resulting from such chemical reaction.
- For substances for which the manufacturer or supplier has developed an SDS consistent with the United Nations Globally Harmonized System of Classification and Labeling of Cheminals (GRS), only GRS-compliant SDSs will satisfy this requirement. For substances for which no GRS-compliant SDS is smallable, an eport prepared within the previous they ease in accordance with the NSF/GCI/ANSI 3SS Greener Chemicals Products and Processes Information Standard shall be deemed to satisfy this requirement.

Please note; these requirements do not apply to products or materials that are salvaged, reused or refurbisi

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@uff.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Nolan Davis

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cooi 352-756-7377

Rain Bird



October 11, 2021 Rain Bird Compration

6991 E Southpoint Rd Bldg 2, Tucson, AZ 85756

Dear Rain Bird Corporation.

Your organization is nearing the leafer as manufactures of materials for UF-656 Landrage Mater Plan Project, which is exercise conflictation with Subaraback Sites Instruments OFISTES). ITS SITE Sides a comprehensive rating system designed to distinguish admatelase later, exercise their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (SEO) and more information about the program (including a free download of the TES v Rains) System and Socrearch ID sandback at www.saturbachestes.org STES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose che inventories and / or conduct chemical hazard assessments, per the guidance below. for the following products:

· Pipes, hoses, and irrigation components

Chemical inventories are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably ascertainable, all chemicals intentionably added by the manufacturer, any intermediate chemicals that may be wholy or partially consumed dur the manufacturing process, and any process chemicals that may end up in manufacturing effluent for to otherwise released.

Cancer in a summary service of the s

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.s ny@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: as covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the product Chemical in

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentior al. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:

- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DfE Alternatives Assessment Criteria for Hazard Evaluation U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards: Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Citize's shock for constant with the train applations, including the U.S. Occupational Safety and Health Administration (SBH4) Occupational Health Island Communication Standard (20 CFI 1310), that U.S. Consumer Production Safety and Product Safety Art and Product Safety Art and Product Safety Art and Communication Communication Communication Communications and Commission Island Safety Art and the U.S. Federal Hand Communications and Comdense Training descriptive actor products, recommendations representations in advertising, labeling, product inserts, catalogs, and safes presentations (or local equivalent for projects outside of the Linke Safety Art and Communications a
- For products regulated by the U.S. (SSR A) to have a safety data sheet (SDS), mate a competensive SDE, in addroit on all product regredent software in the state of the state matures (particular) mail: component product systems) that undergo chemical reactions in alls. Also provide SDSs for final products reading from such chemical reaction.
- For substances for which the manufacture or supplies has developed as SDS consistent with the United Nations Globally (Hamorited System of Cassification and Labeling of Chronical (SOS), why CHS-consultant SDSs will satisfy the requirement, For Substances for which on GHS-compliant and SDS is available, a report prepared within the previous file years in accordance with the NSF/GCUANSI 355 Greener Chemicals Products and Processes information Standard shale became to satisfy the requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distributive</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the anomorphism because the anomalous of the anomalous because the anomalous of the anomalous because th

Thank you for your participation in SITES and for your part in making sustainable places.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@co

352-756-7377



October 11, 2021

Sanderson Pine Corporation 1 Enterprise Blvd, Sanderson, FL 32087

Dear Sanderson Pipe Corporation,

Your organization is receiving this letter as a manufacturer of materials for UE-551 Landscape Mater Tian Project, which is seeking certification via the Sustainable Sites indicated/SITESB / SITES offers a comprehensive railing system designed to sitissing that subanable sites incomes the performance, and elevele the value of landscapes. It is administered by the Green Business Certification Inc. (SICC) and more information about the program (including a free download of the SITEs V Zeffatting System and Soccercal) is available at www.sustainablestiete.com SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose che inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical investories are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably ascentariable, all chemicals intentionally added by the manufacture, any intermediate chemicals that may be wholly or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effluence to be chewice released. Chemical hazard assessment refers to the process of identifying product constituents; collecting, developing, and evaluating data on human health and environmental endpoints such as carcinogenicity, reproductive toxicity, neurotoxicity, aguate toxicity, and persistence; and identifying potential hazards. Th process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons of alternative to determine reflexely "generous" and asket. The process allows for comparisons of alternatives to determine reflexely "generous" and asket. The process allows for comparisons at a more in-depth and lengthy tak assessment we assessments. The process and the process and the process asket and the process and the

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distanty@utf.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: Chemical inventories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the product

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentitial. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DfE Alternatives Assessment Criteria for Hazard Evaluation
- · U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available) ssment strategy using recognized and reliable data sour · An equivalent robust hazard asse

Disclosure Documentation Guidance All disclosures must adhere to the following standards:

- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification
 or known impurities and byproducts.
- Criteria should be considerit with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational and Health Hazard Communication Standard (25 CFR 1910); the U.S. Consumer Production Safety Commission Consumer Product Safety Act and Pedreal Hazard Substances Act, and the U.S. Federal Trade Commission laward on guidelines prohibiting decetives acts or practices, includi decetive representations in advertising, labeling, product inserts, catalogs, and safes presentations (or local equivalent for projects outside of the United States).
- Por products required by the U.S. ODM to have a safety data sheet (SDS), index a competensive SDA is addition to all product ingrelent and sample labels as required by the Comman Product data (Committation CoSts should be producted for demonit and competent of comutate makings (particularly multi-competent product systems) that undergo chemical treadons in situ. Also provide SDSs for final products resulting from such chemical reaction.
- For additionation of which the manufacture or supplier has developed as 355 constant with the Linder Matoria Global y Harmondes Sparser of SateMatorian and Mathing of Chencing (S), which GSC emplicits CSSs will addit the requirement. For additional shared with the OFE-compli-ant SDS is available, a report prepared within the protocols the years in accordance with the NSF/GCUANSI 355 Greener Chemicals Products and Processes information Standard add the detered to satisfy the requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbis

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>dstephany@ufl.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the accronate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

Sesco Lighting



October 11, 2021 Sesco Lighting

9250 Baymeadows Rd #350, Jacksonville, FL

Dear Sesco Lighting,

Your organization is receiving this latter as a suggister of materials for UF-666 Landscape. Master Plan Project, which is seeking entification or tab Southain-able Stass Installation (SISTERS). SITES of these a comprehension rading system designed to deflogiant havatinuble alse, measures their performance, and elevate the value of landscapes. It is administered by the Creen Business Certification Inc. (SICC) and more information about the program (including a free download of the SITES / SITES 2015). SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose che inventories and / or conduct chemical hazard assessments, oer the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical investories are defined as the Ising of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably associativable, all chemicals interinorally added by the manufacturer, any intermediate chemicals that may be wholly or partially consumed durt the manufacturing process, and any process hermicals that may ord up in manufacturing effluent to be derivere released.

<u>Demical hazard assessment</u> refers to the process of identifying product constituents, calceding, developing, and evaluating data on humm health and environmental and points and a cascingendum, importance to accide the monotocity, and produces and developing product to accide the monotocity and produces and developing produces to accidence and the monotocity and produces and adveloping produces and adveloping produces to accidence and the monotocity and produces and adveloping produces and the monotocity and produces and adveloping produces and advelop

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>disteph-any@ull.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: Chemical inventories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentional. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing networks.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:
- BizNGO's Chemical Alternatives Assessment Pr
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

- All disclosures must adhere to the following standards
- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the ide or known impurities and byproducts.
- Criteria should be consistent with federal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational and Health Hiszard Communication Standard (29 CFR 1910); the U.S. Consumer Production Safety Commission Comsumer Product Safety Ad-dr Federal Hazardos Substance Ad-At and the U.S. Federal trade Commission and auditive prohibing deceptive actor practices, including deceptive representations in advertising, labeling, product inserts, catalogs, and safes presentations (or local equivalent for projects oxiside of the United States).
- For product required by the U.S. OSHA to have a safety data share (CBD), make a comprehensive SDS, in addition to all product ingestivent and varining labels are increased by the comparement Product States (Commission, SDS and Variada) be provided for chemical components of commutate matures (particularly multi-component product systems) that undergo chemical reactions in situ. Also provide SDSs for final products resulting from such dhemical reaction.
- For addatases for which the mandataser or supplier has developed an DEC consistent with the Usater Nations Globally Hemorized System Cassification and Labeling of Chemicals (6/6), only GHS-constrained SDS will available the NSF/GCI/ANSI 355 Greener Chemicals Products plant 355 is available, a regort prepared within the previous five years in accordance with the NSF/GCI/ANSI 355 Greener Chemicals Products and Processes Horized SDS and and the deemed to assift by in equivament.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refu

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d.stephany@uli edu</u> by 12/12021. Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the according to box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-758-7377



222	Sustainable
	SITES
	Initiative

October 11, 2021 Stemberg Lighting

000

555 Lawrence Ave, Roselle, IL 60172

Dear Sternberg Lighting,

Your organization is receiving this letter as a manufacturer of materials for UF-561 Landscape Mater Tean Pagest, which is seeking cellification is the Substantable Sites Indexine (SITESI) SITES offers a comprehensive rafting system designed to sitistrying the substantable Sites compared and the system of Landscape Material Site Sites (SITES) of Sites of Sites and Sites Sites (SITES) Sites (SITES) Sites and Sites and Sites Sites (SITES) Sites (SITES) Sites and Sites Sites Sites (SITES) Sites (SITES) Sites and Sites and Sites Sites (SITES) Sites (SITES) Sites (SITES) Sites Sites Sites and Sites Sites (SITES) Sites (SITES) Sites (SITES) Sites Sites Sites and Sites Sites (SITES) Sit SITES Credit 5.8: Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of materials with available chemical inventories, lifecycle information, and hazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemica inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical inventories are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably ascertainable, all chemicals intentionally added by the manufacturer, any intermediate chemicals that may be wholly or partially consumed during the manufacturing process, and any process chemicals that may end up in manufacturing effectiven of the other elevased. Causical based assessment offers to the process of identifying prodict constituents, callerising, developing, and evaluating data on human brahls are envolvemental advances such as carroweaks; enjoratorium toxichy, envolvatorium, spaceta toxichy, and evaluation; advances and process allows for comparisons of alternatives to determine relative "greeness" and safety. The process also dentifies areas for improvement, and assessments, Cousced on inherent risks of chemicals, do not take to have a process also dentifies areas for improvement.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephary from UF PD&C at <u>d.steph-</u> any@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material chemistry, including GHS-compliant (https://www.osha.gov/dsg/hazcom/ghsguideoct05.pdf), or otherwise complete Safety Data Sheets, and chemical safety reports for five percent or more of the products listed above. This includes: Chemical inventories covering all chemicals, whether used intentionally or otherwise known to be present, in all life cycle stages of the product

In cases where the compilation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentional. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product

To help us achieve 5 points for Option 3, please provide the following:

- Documentation for Option 2, AND
- Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:
- BizNGO's Chemical Alternatives Assessment Protocol
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available)
- · An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Do mentation Guidance

- All disclosures must adhere to the following standards: Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the ide
 or known impurities and byproducts.
 - Clientia should be consistent with leferal regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational and Health Hazard Communication Standard (28 CFR 1910); the U.S. Consumer Production Safety Commission Consumer Product Safety Act and Federal Hazard Substances AC, and the U.S. Federal Trade Commission laws and guidelines prohibing deceptive sets or practices, including deceptive representations in advertising, labeling, product inserts, catalogs, and safes presentations (or local equivalent for projects oxiside of the United States).
- For products required by the U.S. OSHA to have a safety data sheet (SDS), make a comprehensive SDS, in addition to all product ingredient and warming latels as required by the Comune Tencist Safety Commission. SDSs about be provided for dremmal components of formalised from such dremmal reaction.
- For substances for which the manufacturer or suppler has developed an SDS consistent with the United National Globally Hamnocated Splare Classification and Labeling of Chemical (SHS), only (SHS-Complete SDSs will satisfy this requirement. For substances of which no GHS-plant SDS is available, a report prepared within the previous five years in accordance with the NSF/GCIANSI 355 Greener Chemicals Products and Processes the Intransico Standard stall be deterned to startly this requirement.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>detectmany@ull.edu</u> by 12/1/2021. Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

UF



October 11, 2021

University of Florida Gainesville, FL 32608

Dear University of Florida,

Your organization is receiving this tatue as a suggest of natarials for UF-65G Lunckages Mattin Time Project which is earbing conficiality and the Sublinkelbase Instantived (STES). STES dires a comprehensive mainty signation designed in distinguish usualitative site, measure there reformance, and device the value of landscages. It is administered by the Green Business Certification in its (GBC) and more information about the program (including a fee download of the STES v2.Reg System and Socreacing is available at www.sustainablesistes.org. STES Coeff S.R. Support transparency and safer chemistry aims to decrease harmful health and environmental impacts and encourage the use of safer alternatives by promoting the use of matterials with available chemistry aims to decrease harmful health and alteraid assessments.

itematives by promoting the use of materials with available chemical inventories, incrycle information, and nazard assessments.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to develop and disclose chemical inventories and / or conduct chemical hazard assessments, per the guidance below, for the following products:

· Pipes, hoses, and irrigation components

Chemical investodes are defined as the listing of all chemicals associated with the manufacturing of a material and should include, to the extent known or reasonably associativable, all chemicals intentionally added by the manufacturer, any intermediate chemicals that may be wholly or partially consumed during the manufacturing process, and any process chemicals that may one dup in manufacturing efflicant to be obtenive reasonable.

Cancel interact assessment when is the provem of developing product outsuburge, collecting developing, and exclusing data on human hardwork and exclusions a

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d stephan</u> <u>my@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

To help us achieve 3 points for Option 2, please provide the following:

Documentation demonstrating disclosure of material demarks; including CHS-compliant (https://www.odta.gov/dds/patacom/ploguidecod5.pd), or otherwise complete Safety Data Sheets, and chemical askey pronts for the protector or more of the products listed above. This includes:
 Commical investories covering all chemicals, whether used interlicitually or otherwise known to be present, in all list cycle stages of the product

In cases where the compliation of a complete chemical inventory is not feasible, the inventory requirements should cover chemicals and their life cycle stages thought to present the greatest hazards to workers, consumers, the general population, and environmental species.

A report of all known hazards and their concentrations regardless of whether the chemical's presence in the product or process is intentional. This reporting includes the identification of any impurities, byproducts, and emissions from finished products or product curing steps.

To help us achieve 5 points for Option 3, please provide the following:

Documentation for Option 2, AND

Completed chemical hazard assessments from one of the following screening-level hazard assessment tools for five percent or more of the products using:

- BizNGO's Chemical Alternatives Assessment Protoco
- GreenScreen for Safer Chemicals
- U.S. EPA's DIE Alternatives Assessment Criteria for Hazard Evaluation
- U.S. EPA's Sustainable Futures tool suite (to be used only when measured data is not available
 An equivalent robust hazard assessment strategy using recognized and reliable data sources.

Disclosure Documentation Guidance

All disclosures must adhere to the following standards

- Each substance should be identified by the Chemical Abstract Service (CAS) name, number, and weight percentage, and include the identification or known impurities and byproducts.
- text to known inspanses are upprotected.
 Centers should be consistent with indexed regulations, including the U.S. Occupational Safety and Health Administration (OSHA) Occupational and Health Histard Communication Standard (28 CFR 1910); the U.S. Consumer Production Safety Commission Comsumer Product Safety Act and Federal Hastardo Substances Act and the U.S. Federal Trade Commission taws and guidelines prohibing deceptive acts including deceptive representations in advertising, labeling, product Inserts, catalogs, and safes presentations (or local equivalent for projects outside of the Ume States).
- For products required by the U.S. OGH4 to take a safety data sheet (SDS), made a comprehensive SDS, in addision to all product lappadent and warring labels an equired by the Commune Product. Barby Commission: SDS is should be provided for retemant components of formuland mixtures (particularly multi-component product systems) that undergo chemical reactions in allu. Also provide SDSs for final products resulting from such chemical reaction.
- For substances for which the manufacturer or supplier has developed an 3DS consistent with the United Mations Globally Hermonical System of Classification and Labeleg of Chemical (GRS), only Globacopined RDSs with addity his requirement. For substances the which no GRSorganized States and Chemical Constant (States) and States and States and States and States and Processes and Processes and Bable development and bable development.

Please note: these requirements do not apply to products or materials that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distephany@uff.edu</u> by 12/10201. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



C. C5.9 Letters

Amerimix	Sustainable	To here a chieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A per-reviewed full life-cycle assessment (ICA) or an environmental product declaration (EPD) for the product; OR Cycles of public announcement regarding (or website link to) future environmental impact goals to reduce by at least twenty-five (db) percent (per uni product or equivalent) and two(5), year period, the company's performance metrics in the following categories: Use of energy, water, and toxics, B. Released Kerp pollutants to air and water, B. Disposed in Anazolous and non-in-catacidoan waters. To here unerviewed 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emissions: Reports demonstrating reductions of at least tifly (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below.
	<form><form><section-header><form><text><text><text><text><list-item></list-item></text></text></text></text></form></section-header></form></form>	<text></text>
Anderson Columbia		Meretrained a large spectra for Option 2, please provide one of the following:

SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and discl sustainable practices for all new products used for this project, in at least one of the following ways, by:

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
- Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's
 performance metrics in the following categories:

 - O
 Use of energy, water, and toxics,

 O
 Releases of key pollutants to air and water,

 O
 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distephany@ufl.edu</u> by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Nolan Davis

equres for the facility at which the product is more: Reduction in potable server uses: Res than tempty the (25) product the instance constrained in the server of the solar server (25) product the server of the solar server of the solar server (25) product the server of the solar server (25) product the server of the solar server of the solar server (25) product the server

If you have any questions regarding the requested information above, please email Dustin Skephany from UF PDBC at <u>discolum/Rul du</u> by 121/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.

Armstrong	Sustainable	To hele us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full like-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copes of public announcement angearding (or wealties into b) thure environmental impact goals creduce by at least twenty-five (ps) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:
	<form><form><form><form><text><text><text><text></text></text></text></text></form></form></form></form>	<list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><text></text></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item>
Barry Pattern	Sustainable Sustainable SITES GBCL	To prior a chieve 3 points for Option 2, please provide one of the following: To prior a chieve 3 points for Option 2, please provide one of the following: Ministry 1000 (Ministry 10000 (Ministry 1000 (Ministry 1000 (Ministry 1000 (Minis

Barry Pattern & Foundry, Inc
3333 35th Ave N, Birmingham, AL 35207

October 11, 2021

Dear Barry Pattern & Foundry, Inc,

Your opportation is neeving this latter as a namefulcation of new products for UF-650 Landscope Master Plan Project, which is easking ord/science in the seaking ord/science in the diseased of tables). Test S defers a comprehensive raining system designed to addingath substantiable latter, and elevate the value of landscopes. It is administered by the Creen Business Certification into. (CBCI) and more information about the program (including a free download of the UFISE V2 Raing Spectrum and Societary and advected to a smalled at wave substantiabilisties, or the comprehension of the DFISE V2 Raing Spectrum and Societary and a smalled at a wave substantiabilisties.

SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent. OR
 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
 Publicly announcing goals to reduce, by at least twenty-live (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:

 - O
 Use of energy, water, and toxics,

 O
 Releases of key pollutants to air and water,

 O
 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d steph-any/2uit edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

[

Sincerely,

Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three To rif the 3) categories below:

Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous wastle (per U.S. Resource Conservation and Recovery Act or local equival lent for projects outside of the U.S.)

Netlack anony consumption. Documentation demonstrating consumption per unit of product of twenty-fine (26) percent less using weaking in the manufacturing process (consult the National Institute of Standards and Technology Building for Environ of Standards Mathematic Regulation Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildin on Survey for Industry-specific data);

Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (per unit of product) OR receipts de carbon diffest times in a leagity honding trading system that provides independent third-part verification to twenty-five (25) percent.

Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent acturing electricity demands OR at least a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable unces for the facility at which the product is made;

Reduction in potable water use: Calculations showing potable or other natural surface or subsurface water resources comprise resis than twenty-five (25) percent and non-potable sources comprise at least seventy-five (75) percent of the total water volume consumed in manufacturing the specified product line (the calculations should include a their description of the non-potable water sources).

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>disphany@uff.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the anomorphic her by

Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.

Bell Concrete	Sustainable	To hypere achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full INE-cycle assessment (LCA) or an environmental inpact declaration (EPD) for the product; OR Copies of public announcement regarding (or webliet link b) future environmental impact goals to reduce by at least categories: • Use of energy, water, and toxics.
		 Releases of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes.
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
		Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the mee (2 of the 3) categories below:
	October 11, 2021	
	Bell Concrete Products	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.)
	2480 US-129, Bell, FL 32619	Generation of hazardous and non-hazardous waste (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.)
	Dear Bell Concrete,	Control of Control and Cont
	You organization is reaching this letter as a suggifuer of new products for UF-BGS Landscape Markater Plan Project, which is seeking cardification as the Qua- tamable Science Mathematics (STLSS). TESS of thes a comprehensive rading system decisprot for distinguish realised landscience, and elevate the value of landscapes. It is administered by the Green Business Cardification Inc. (GBC) and more information about the program (including a free download of the STLS V2 Radii gospheran and Scoreand) is available at wavasaitamilitatekets.co.g	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twerty-free (22) percent the energy than the industry weregin in the maintainum process (consumit the National Intervent and Excitational Sciences and Sciences a
	SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials	Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent of manufacturing electricity demands OR at least a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable energy sources for the facility at which the product is made;
	from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Reduction in potable water use: Calculations showing potable or other natural surface or subsurface water resources comprise resonance of the subsurface of the subsurface of the subsurface of the total water volume computing manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources).
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Please note; these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurblshed.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>detectory@ull.edu</u> by 12/17/221. Otherwise, please email the requested documentation by 11/12/22 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the compa- 	
	ny's performance metrics in the following categories:	Thank you for your participation in SITES and for your part in making sustainable places.
	O Use of energy, water, and toxics,	Sincerely,
	O Releases of key pollutants to air and water,	
	O Disposal of hazardous and non-hazardous wastes.	
		Nolan Davis Charles Perry Partners, Inc.
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d.stephan</u> ny@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	300 SW 13 ^h St, Gainesville, FL 32611
		Nolan.davis Bicppi.com 352-756-7377
Cemex	Sustainable 000	To h ply us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
CEIIIEA		A report or annual environmental periormance via the Global reporting initiative (Ski) of equivalent, Ski A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
	SITES BOD Initiative" GBCI	Copies of public announcement regarding (or website link to) luture environmental impact goals to reduce by at least categories:
		Use of energy, water, and toxics, Releases of key politizatists to air and water, Denoel of horardness and non-horardness wateree

Initiative	" UBCI	menty-inve (25) percent (per unit product or equivalent basis) over a live (5) year period, the company's performance metrics in the following categories:
		Use of energy, water, and toxics, Release of key polutants to air and water, Disposit of hazardoou and non-hazardoou wastes.
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
		Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the arree (2 of the 3) categories below:
October 11, 2021		
Cernex 305 SW Depot Ave, (Californille FI 32601	Emission of hazardous air politates (por U.S. Chan AF Act or local equivalent for projects outlied of the U.S.) Emission of local variable politations (per U.S. Chan AF Act or local equivalent for projects outlied of the U.S.) Generation of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outlied or the U.S.)
Dear Cemex,		Provide the set of the
able Sites Initiative® the value of landscap	receiving this letter as a provider of new products for UF-656 Landscape Master Plan Project, which is seeking conflication via the Sustain- (STEES) STEES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate of system and Socrace(s) is available at www.sustainablesites, org. In once information about the program (including a fee download off system and Socrace(s) is available at www.sustainablesites.	Reduced energy consumption: Documentation demonstrating consumption per unit of producti of twenty-free (22) percent essenergity than the industry warep in the mandpacturing process (consult he National Reiner de Standards and Technology Building for Environmental and Economic Statianability, the National Reinerwale Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Fuldings: Tentgy Consumption Disrvity for Industry-perceif. data).
	uppor austainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health 	Use of meneable energy sources. Letter from the plant provider describing remeable energy sources to meet ten (1) parcent of manufacturing electricity demarks 0R et letted at 100 (4) year contract for the purchase of twenty (2) parcent detectricity from nerveable energy sources for the tability at which the product is made: Reduction that product weight energy accurate a source accurate source and the purchase of twenty (2) parcent detectricity from nerveable energy across the tability at which the product is made: Reduction that product the reduction of accurate sources comprise at least sevenity-file (75) percent of the tability are volume comprise at least sevenity-file (75) percent and non-patable serveres).
	this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose s for all new products used for this project, in at least one of the following ways, by:	Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	nnual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR a peer-reviewed ful life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR	If you have any question agoing the requested information above, please small Dustris Stephary from UF PDAC of <u>distributing disk</u> by 12/17/2021. Obviously, please small the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
 Publicly ann performance 	ouncing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's metrics in the following categories:	Thank you for your participation in SITES and for your part in making sustainable places.
0	Use of energy, water, and toxics,	Sincerely,
0	Releases of key pollutants to air and water,	
0	Disposal of hazardous and non-hazardous wastes.	Nolan Davis
	BCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distephan</u> 022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Charles Perry Partners, Inc. 300 SW 13 th SI, Gainesville, FL 32611
		Nolan.davis @cppi.com
		352-756-7377

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Certainteed	Sustainable SITES Initiative GBCI	To help-up achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Gikelan Reporting Instative (GRI) or equivalent; OR A peer treviewed ful life-cycle assessment (LCA) or an environmental product declanation (EPD) for the product; OR Copies of public announcement regarding (or weakline link to) future environmental impact goals to reduce by at least twerty-five (b) percent (pee univer public) executive at twerty-five and the set of t
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emissions: Reports demonstrating reductions of at least (thy (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:
	CertainTeed 5080 Recker Hwy, Winter Haven, FL 33880	Emission of hazardous air poliutantis (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water poliutantis (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) for the second second feed for developed backford of the U.S. and second seco
	Dear Certain Teed,	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for cathon emissions in the Behouse ion (10) years are at least twenty her (25) percent better than the corresponding ten (10) year evenese (per unit of product OF receipts and cathon emissions.
	Your organization is receiving this letter as a supplier of new products for UP-656 Landscape Master Plan Project, which is seeking certification via the Sustainable State Instanction (STESS). STESS views comparements many system designed to destinguish sustainable liste, measure there performance, and source and the STESS views comparements or many system designed to destinguish assumption to the program (including a feed download of the STES views (STES) views and Socreard) is analised as wavesationablevietes co.	Reduced resistances. Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent less many than the industry average in the manufacturing process (consult the Mational Institute of Standards and Technology Building for the Commental Buildings Exercised Consumption Survey (or industry-specific califormic standards). In the Commental Buildings of the Commental Buildings Exercised Consumption Survey (or industry-specific califormic standards).
	STES Credit 5: Support sustainability in materials manufacturing aims to support sustainability in materials manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Live of interventible anergy accuracy: Letter from the plant provider describing intervalse energy accuracy to meet ten (1) parcent monutaneous descriptive descriptive description (2) parcent (2) p
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in all least one of the following ways, by:	Hells than twenty-five (25) perceint and non-potable sources comprise al least seventy-five (75) percent of the total water volume comsumed in manufacturing the specified potabula (in the disabilities should include all disabilities (75) percent of the total water volume comsumed in <u>Please note</u> these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PDAC at <u>classhary@wf.edu</u> by 12/10221. Othermine, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate barries.
	 Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	Thank you for your participation in SITES and for your part in making sustainable places.
	O Use of energy, water, and toxics,	Sincerely,
	Releases of key poliutants to air and water, Disposal of hazardous and non-hazardous wastes.	
	To demonstrate to GBCI that the requirements are med for this credit please email the following documentation to Dustin Stephany from UF PD&C at <u>d stephany</u> any dirat early by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Notan Davis Chales Perry Pathers, Inc. 300 SW 137 SG, Gamerolle, FL 32611
		Nolan davis Boppi com 362-766-7377
Cherokee	Sustainable SITES Initiative GBCI	To help-up achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR A peer reviewed full Ite-opcie assessment (CLA) or an environmental product declaration (EPD) for the product, OR Copies or opciation consumment requiring (or woblice this of Juliane environmental impact paits to reduce by at least basely often (b) percent (per unit product or equivalent basis) over a the (5) year period, the company's performance metrics in the following categories: Use of energy, were, and toolcs, Research of period period in and water, Disposal of hazardous and non-hazardous wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
		Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:
	October 11, 2021 Cherokee Brick 3250 Waterville Rd, Macon, GA 31206	Emission of hazardous air politikints (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of tools water politikants (per U.S. Clean Yellan Air Act or local equivalent for projects outside of the U.S.) ter for projects outside of the U.S.) Inter for projects outside of the U.S. Ordershape gas emissions: Emissions reports demonstrating that the three (3) Invest years for cabox emissions in the ordershape gas emissions: Emissions reports demonstrating that the three (3) Invest years for cabox emissions in the ordershape gas emissions: Emissions reports demonstrating that the three (3) Invest years for cabox emissions in the ordershape gas emissions: Emissions reports demonstrating that the three (3) Invest years for cabox emissions in the investiget the (10) wears are less three three (3) Emissions: Emiss
	Dear Cherokee Brick,	for purchased carbon offsets from a legally binding trading system that provides independent third-party verification for twenty-five (25) percent carbon emissions;
	Your organization is including this letter as a manufacturer of new products for UF-456 Landscape Master Plan Project, which is seeking conflication via the Sustainable Sites Instatuted (STESSI), STES of the a comprehensive cating system elergine to datinguals sublemable sites, measure their performance, and elevate the value of nunctacques. It is administed by the Gene Bauries Catification inc. (GRC) and more information about the program (including a free download of the SITES V2 Rating System and Scorecard) is available at www.sustainablesite.org	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-fwe (25) pecent inse- metry than the industy werearch industry and the i
	ST/ES Credit 5.2: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	energy sources for the facility at which the product is made; Reduction in possible water use: Calculations showing possible or other natural surface or subsurface water resources comprise these than thereinfyline (2) prevent of the total water resources comprise at least seven/plue (7) prevent of the total water resources comprise manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources).
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in all least one of the following ways, by:	Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR	If you have any questions reparking the requested information above, please email Dualm Stephany from UF PDAC at <u>databanyBull bol</u> u by 12/12021. Otherwise, please emails the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	 Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	Thank you for your participation in SITES and for your part in making sustainable places.
	O Use of energy, water, and toxics,	Sincerely,
	O Releases of key pollutants to air and water,	
	Disposal of hazardous and non-hazardous wastes. To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distoche</u> and <u>bul ded</u> by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Nolan Davis Chales Pery Partners, Inc. 300 SW 13° SG, Gamewille, FL 32611 Nolan davis Bogoi com
		352-756-7377

ClarkDietrich	Sustainable	To hype us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of public announcement regarding (or vestellar lists of harder environmental impact goals to reduce by at least methy-live (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: • Use of energy, water, and toxics,
		Release of Rey pollutants to air and water, Disposition of hazardous and non-hazardous waters.
	October 11, 2021	the (2 of the 3) categories below:
	ClarkDerrich 36020 Pulp Dr, Dade Chy, FL 33523	Emission of hazardous air politatins (per U.S. Clean Ar Act or local equivalent for projects outside of the U.S.) Emission of hazardous air on hazardous aird on on azardous wate (per U.S. Resource Conservation and Recovery Act or toxilise of the U.S.) Emission of hazardous aird on on azardous wate (per U.S. Resource Conservation and Recovery Act or toxilise of the U.S.) Emission of hazardous aird on on azardous wate (per U.S. Resource Conservation and Recovery Act or toxilise of the U.S.) Emission of hazardous aird on on azardous wate (per U.S. Resource Conservation and Recovery Act or toxilise of the U.S.) Conservation of the standardous and the toxic standardous and toxic standardous and the toxic standardous and toxic standardous an
	Deer ClashDetrich. You organization is indexiding this later is a manufacture of new products for UF-666 Landscope Master Pieur Project, shich is seeking cellification via the buildnamba States Indexided SITESBI). SITES offers a comprehensive raining system designed to distinguish sustainable ables, measure their performance, and deviate the value of landscapes. It is administered by the Green Builness Certification Inc. (GRC) and more information about the program (including a free download of the STES v2 Ruing System ad Scorecard) is anable at www.sustainablesles.co.	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent Res energy than the industry average in the manufacturing process (consult the National Institute of Standards and Technology Building for Environmental and Economic Statianability, the National Renemable Energy Laboratory U.S. Lite-Cycle Inventory Database, or the Commercial Publicing Energy Consumption Survey for Industry sectific data).
	STES Credit S- Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	How of menuality executes. Letter from the plant provider describing retenueble energy sources to meet ten (10) percent describing retenueble energy sources to meet ten (10) percent describing retenueble energy sources to meet ten (10) percent describing retenueble energy sources to meet ten (10) percent describing retenueble energy sources to meet tenueble energy sources to meet tenue be probable energy to an exercise of the facility at which the probable energy sources to meet tenue be probable energy sources tenueble energy to an exercise of the facility at which the probable energy sources to meet tenue be probable energy to an exercise of tenueble energy tenueble ener
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose austainable practices for all new products used for this project, in at least one of the following ways, by:	Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Initiative (GR) or equivalent; OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least them;/-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:	If you have any question regarding the requested information above, please email Dustin Stephany from UF PDAC at <u>distribution(20, distribution(20, distrbation(20, distribution(20, distribution(20, distribution</u>
	O Use of energy, water, and toxics,	Sincerely,
	O Releases of key pollutants to air and water,	
	Disposal of hazardous and non-hazardous wastes. To demonstrate to GRCI that the requirements are net for this credit, please email the following documentation to Dustin Skephany from UF PD&C at <u>dateshar</u> trydiul edu by U1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Notan Davis Charles Peny Partners, Inc. 300 SV 13 ¹⁰ St, Ganesellik, FL 32011 Notan davis Groco com
Clear Image Signs	Sustainable SITES Initiative [®] GBCI [®]	To high-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent. OR A report of builde-cycle assessment (LCA) or an environmental product declaration (EPD) for the product. OR Copies of public announcement registing of website link to) future environmental impact goals to reduce by at least retriegome.
		Use of energy water, and toxics, Relaxes of Key pollutions to an and water, Relaxes of Key pollutions to an and water, Disposal of hazardous and non-hazardous wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the thee (2 of the 3) categories below:
	Clear Image Signs 1901 NW 67 ^a PL Unit A, Gainesville, FL 32653	Emission of hazardous air polutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water polutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.)
	Dear Clear Image Signs,	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the previous ten (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (or unit of product) OR receipts for purchased carbon offsets from eligally binding starting system that provides independent hird-party verification for themy-five (25)
	Your organization is receiving this letter as a manufacturer of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the Sustainable States Initialized (ISTESS). SITES offers as comprehensive raining system designed to distinguish sustainable sites, measure ther performance, and elevate the value durachapes. It is atomicisted by the Growt Balavers Certification for, (GSC) and more information about the program (including a free download of the SITES V2 Rating System and Scorecard) is evaluable at www.sustainablesite.org.	Percent of Carbon emissions; Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-thre (25) percent this energy than the inducting werage in the manufacturing process (consult the National Institute of Standards and Technology Building for Environmental and Economic Statianability, the National Renerable Energy Laboratory U.S. Lile-Cycle Inventory Database, or the Commercial Buildings Tenry Consumption Survey for Industry specific data).
	SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	manufacturing description products (and the product sector) in the plant provided description preventible energy sources to meet ten (1) product the purchase of hearthy (20) percent of electricity from renewable energy sources for the facility at which the product is made: Reduction in possible were use: Calculations showing possible or other natural surface or subsurface water resources comprise at least seventy/hive (2) percent of the balant water resources comprise at least seventy/hive (2) percent of the balant water resources comprise at least seventy/hive (2) percent of the balant water volume consumed in the plant product seventy/hive (2) percent of the balant water volume consumed in the plant product seventy/hive (2) percent of the balant water volume consumed in the plant product seventy/hive (2) percent of the balant water volume consumed in the plant product seventy/hive (2) percent of the balant plant product seventy/hive (2) percent of the balant plant
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	ress utili versi yer (zd) zertoch ad u knyckate disalation should interim the service interimine (vd) product of the base water sources) in manufacturing the specified product line (the calculations should interim a brief description of the non-potiate water sources). <u>Please note:</u> these requirements do not apply to rocks, plants, solis, or products that are salvaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR Conducting a peer-reviewed full Ille-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Dialida environmental parts for environmental for CB assessment (LCA) or an environmental product declaration (EPD) for the product; OR	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distortany@ull.edu</u> by 12/1/02/1. Otherwise, please email the requested documentation by 11/12/02/2 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

- Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmential product declaration (EPD) for the product; OR
 Publicly amouncing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's
 performance metrics in the following categories:

 - Use of energy, water, and toxics,

 Releases of key pollutants to air and water,

 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>datephany@util.edu</u> by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Cubic		To h elp us achieve 3 points for Option 2, please provide one of the following:
Cubic		A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
Transportation	SITES	A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of public announcement regarding (or website link to) future environmental impact goals to reduce by at least twenty-five
mansportation	Initiative" GBCI*	(25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:
		Use of energy, water, and toxics, Releases of key pollutants to air and water,
		 Disposal of hazardous and non-hazardous wastes.
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
		Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three 12 of the 3) categories below:
	October 11, 2021	
	October 11, 2021	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local antivatent for projects outside of the U.S.)
	Cubic Transportation Systems, Inc	Emissions of toxic water pollutanic (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous water (per U.S. Resource Conservation and Recovery Act or local equiva- lent for projects outside of the U.S.)
	1308 South Washington St, Tullahoma, TN 37388	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the previous ten (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (per unit of product) OR receipts
	Dear Cubic Transportation Systems, Inc,	for purchased carbon offsets from a legally binding trading system that provides independent third-party verification for twenty-five (25) percent carbon emissions;
		Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent less energy than the industry average in the manufacturing process (consult the National Institute of Standards and Technology Building for Environ-
	Your organization is receiving this letter as a manufacturer of new products for UF-856 Landscape Master Plan Project, which is seeking certification via the Sustainable Sites Initiative® (SITES®). SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance.	—energy than the industry average in the manufacturing process (consult the National institute of standards and technology building for Environ- mental and Economic Sustainability, the National Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildings —eergy Consumption Survey for industry-specific data);
	Sustainable Sites Initiative® (SITES®), SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GBCI) and more information about the program (including a free download to HSITES V7 rating System and Socreard) is available at www.sustainabilestex.org.	Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent or manufacturing electricity demands OR at least a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable
		of manufacturing electricity demands OR at least a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable apergy sources for the facility at which the product is made;
	SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health	Reduction in potable water use: Calculations showing potable or other natural surface or subsurface water resources comprise test than twenty-five (25) percent and non-potable sources comprise at least seventy-five (75) percent of the total water volume consumed in
	and the environment.	manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources).
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	sustainable practices for all new products used for this project, in at least one of the following ways, by:	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at d_stephany@uff_edu by 12/1/2021. Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking
	 Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR 	Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR	
	 Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	Thank you for your participation in SITES and for your part in making sustainable places.
		Sincerely,
	Use of energy, water, and toxics, Releases of key pollutants to air and water,	
	O Disposal of hazardous and non-hazardous wastes.	Nolan Davis
		Charles Perry Partners, Inc.
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.steph- any@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	300 SW 13° St, Gainesville, FL 32611 Nolan.davis@copi.com
		352-756-7377
DCD		
DCP		To help us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
	SITES	A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
	Initiative" GBCI*	Copies of public announcement regarding (or website link to) future environmental impact goals to reduce by at least twenty-five (5) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:
		Use of energy, water, and toxics, Releases of Key pollutants to air and water, Disposal of hazardous and non-hazardous wastes.
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:
		•
	Don Construction Products	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and no-bazerdous water for eur U.S. Reserve Conservation and Resorvery Act or local enviva-
	2826 Lineberger Industrial Dr. Lancaster, SC 29720	Generation of hazardous and non-hazardous waste (per U.S. Resource Conservation and Recovery Act or local equiva- lent for projects outside of the U.S.)
	Dear Don Construction Products,	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the previous ten (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (per unit of product) OR receipts
		for purchased carbon offsets from a legally binding trading system that provides independent third-party verification for twenty-five (25) percent
	Your organization is receiving this letter as a supplier of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the Sus- tainable Sites Intilative® (SITES8). SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the value of andscapes. It is administered by the Green Business Certification (LGCC) and more information about the program (including a free	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent less energy than the industry average in the manufacturing process (consult the National Institute of Standards and Technology Building for Environ- mental and Economic Statisnability, the Mational Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Building for
	elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GBCI) and more information about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesites.org.	mental and Economic Sustainability, the National Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildings Energy Consumption Survey for industry-specific data);
	SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials	Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent of manufacturing electricity demands OR at least a low (4) year contract for the purchase of twenty (20) percent of electricity from renewable percept sources for the facility at which the product is made:
	SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	epergy sources for the facility at which the product is made; Reduction in potable water use: Calculations showing potable or other natural surface or subsurface water resources comprise
		reduction in potable water use: calculations showing potable or other natural surface or subsurface water resources comprise ress than twenty-five (25) percent and non-potable sources comprise at least seventy-five (75) percent of the total water volume consumed in manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources).
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a page minimum full file crick processore (LCA) or an equivalent and the description (EDR) for the product OR	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distephany@uff.edu</u> by 12/1/2021. Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the approximate box.

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent, OR
 Conducting a peer-reviewed full lite-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
 Publicly announcing goals to reduce, by at least twerly-five (25) percent (per unit product or equivalent basis) over a five (5) year period. the company's performance methics in the following categories:

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- Use of energy, water, and toxics,

 Releases of key pollutants to air and water,

 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d steph-any@ull.edu</u> by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Dow Corning	Sustainable	To help-up achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR A peer-reviewed full lite-cycle assessment (L-XA) or an environmental product declaration (EPD) for the product. OR Cocples of padic announcement regarding (or weblies link ko) future environmental impact gash to endoce by at least wenty-five (25) percent (per unit product or equivalent basis) over a live (5) year period, the company's performance metrics in the following categories:
		 Disposal of hazardous and non-hazardous wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:
	Dow Conning 760 Hodgenville Rd, Elizabethiown, KY 42701	Emission of hazardous air pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation in transitosia indicational water (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.)
	Dear Dow Corning,	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the previous ten (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (or unit of product) or receipts for purchased carbon diffest from a leagly shinding trading system that provides independent third-party verification for twenty-five (25)
	Your organization is receiving this letter as a manufacturer of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the Sustainable Siles Initiative(S) (STESSIE), STES Grifes a comprehensive ranking system designed to distinguish sustainable sites, measure their performance, and elevate the revisit of andracapex. It is administered by the Griene Bainess Certification Inc. (GSCI) and more information about the program (including a file download of the STES v2 Realing System and Scorecard) is available at www.sustainablesites.org.	percent of carbon emissions: Reduced energy consumption: Documentation demonstrating consumption per unit of product of liverty-live (25) percent rete sensity than the industry average in the manufacturing process (consult the National Institute of Standards and Technology Building for Environmentation of Concome Statutionality, the National Remeable Energy Laboratory U.S. Lite-Cycle Inventory Database, or the Commercial Multiding Sensy Consumption Starvey for Industry specific data).
	STES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Use of renewable energy sources. Letter from the plant provider describing renewable energy sources to meet ten (10) percent of manufacturing electricity demands RA et al. (abs 1 abs 1 abs 1) are contract for the purchase of twenty (20) percent of electricity from renewable seergy sources for the facility at which the product is made;
	To meet the intent of this orest and earn respective ponts in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for the project, in all text one of the following ways, 5y:	Reduction in postable water rune: Calculations showing postable or other natural surface or subsurface water resources comprise and the subsurface or subsurface water resources on manufacturing the specified postad fine (the calculations showing bottle) as brief description of the non-balance water resources in manufacturing the specified postad fine (the calculations should holds as brief description of the non-balance water resources). Detace nonite new requirements do not apply to rock, plants, call, or product that are subsydged, revead or effultished.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed Util III-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>diskolvary@ufl.edu</u> by 12/1/2021. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	performance metrics in the following categories:	Thank you for your participation in SITES and for your part in making sustainable places.
	Use of energy, water, and toxics, Releases of key pollutants to air and water, Disposal of hazardous and non-Nazardous wastes.	Sincerely,
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dualin Stephany from UF PD&C at <u>dataphany</u> regulated by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Notan Davis Charles Penry Partners, Inc. 300 SV 10" S, Ganeroville, FL 32511 Notan davis & copi com 352-756-7377
DuPont	Sustainable SITES Initiative" GBCI'	To hele-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer viewed MII Ite-optice assessment (LCA) or an environmental product declaration (EPD) for the product; OR Cogies of public announcement regarding for webbile birk (b) ture environmental impact goals to reduce by at beat memory-five (25) percent (per unit product or equivalent basis) over a five (5) year period; the company's performance metrics in the following categories:
		Les of energy, water, and toxics, Relasses of key pollutaria to ai and water, Relasses of key pollutaria to ai and water, Disposal of hazardous and non-hazardous wastes. To help us achieve 5 points of Orgonics A please provide the documentation to demonstrate three or more of the following are conducted:
		Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the the 2 of the 3) categories below:
	October 11, 2021 DuPort	Emission of hazardous air polutants (per U.S. Clean Nare Ar Art foot local equivalent for projects outside of the U.S.) Emissions of train-water polutants (per U.S. Clean Nare Art or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous watel (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.)

1467 Prosser Dr SE, Dalton, GA 30721

Dear DuPont,

Your organization is nearlying the latest as a manufacture of new products for UF-656 Landscape Master Play Trugbed, which is seaking entitidation in a Be Sublandate Site Intervention (STESS 50). STES offers a compressioner and ing system exisple to Schraghub, substantiable sitest assume their performance, and elevate the value of transcapes. It is administered by the Geen Business Certification file. (SEC) and more information about the program (including a fee dominal of the STESS 20 Admin System and Societarity is available at www.substantiabiles.com, or substantiabile sitest assume the program (including a fee dominal of the STESS 20 Admin System and Societarity is available at www.substantiabiles.com, or substantiabile sitest assume the program (including a fee

SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
- Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's
 performance metrics in the following categories:

 - O
 Use of energy, water, and toxics,

 O
 Releases of key pollutants to air and water,

 O
 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d stephany@ult.edu</u> by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

uildings Energy

Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the ten (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (per unit of product) or purchased carbon offbets from a leagily brinding trading system that provides independent third-part verification for twenty-five (25)

to minutance and a second seco

Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent of manufacturing electricity demands OR at least at lour (4) year contract for the purchase of twenty (20) percent of electricity from renewable egergy sources to the facility at which the product is made;

Hereing sources for the isation' at wract me process a name, Reduction in postable water use: Calculations showing potable or other natural surface or subsurface water resources comprise at than thenythey (KC) percent and non-polable sources comprise at least sevenity-five (KC) percent of the total water volume consumed in manufacturing the specified product line (the calculations should include a brief description of the non-polable water sources).

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distrohenv@uff.edu</u> by 12/12/21. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.

Elixson Wood Products	Sustainable	To help as achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EFD) for the product; OR Opties of paped and annual environmental product declaration (EFD) for the product; OR (D) perform (peer unit product or equivalent tails) of the verbale ink (b) full environmental product declaration (EFD) for the product; OR (D) perform (peer unit product or equivalent tails) of the verbale ink (b) full environmental product declaration (EFD) for the product; OR (D) perform (peer unit product or equivalent tails) of the verbale ink (b) full environmental product declaration (EFD) for the product; OR (D) perform (peer unit product declarations and non-hazardous waters. To help us achieves 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted: Cmissions: Reports demonstrating reductions of at least fly (50) percent overail or per unit of product in at least two of the three Cmissions: Reports demonstrating reductions of at least fly (50) percent overail or per unit of product in at least two of the three
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Garden State Tile	Sustainable SITES Initiative GBC1	To hele us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer reviewed full life-cycle assessment (LOA) or an environmental product doctaristics (FPD) for the product; OR Copies of potion announcement registry (or weakline this of future environmental impact goals to encode by at least here they be a set of the potion of the product of equivalent; CR (D) percent (per unit product or equivalent tasis) over a five (5) year period, the company's performance metrics in the following categories: Use of energy wates; and focids, Redesses of two pollutaries to air and water. Deposed of hardwoods and non-harabidous wates. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted: Control of the documentation reductions of at least fithy (50) percent overail or per unit of product in at least two of the three
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- O Use or energy, water, and toxics,
 O Releases of key pollutants to air and water,
 O Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d steph-any@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Nolan Davis

GCP	Sustainable	To help us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of paper interviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of paper life announcement regarding (or weblic the to hourse environmental impact pask to include by at least tetropy, water, and toxics, Rebeases of tery polutants to air and water, Beases of tery polutants to air and water, Display of haratioaa and non-haratidotus wates. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:		
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the the 3) categories below:		
	GCP Applied Technologies Inc 2325 Lakeview Pkwy Suite 450, Alpharetta, GA 30009	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.)		
	Dear GCP Applied Technologies Inc.	previous ten (10) years are as least twelvy-five (25) percent before the tensor strating that the three (3) lowest years for carbon emissions in the revelop the revelopment of the tensor of tenso		
	Your organization is nearlying this latter as a manufacturer of new products for UF-565 Landscope Master PNIP Trigget, which is seeking certification via the Sustainable Bitter Site Site Site Site Site Site Site Site	Reduced energy consumption: Documentation demonstrating consumption per unit of product of herehy-five (25) percent energy than the industry average in the manufacturing process (consult the Mational Institute of Standards and Technology Building for Environmental and Economic Statistandbillty, the Mational Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildings Energy Consumption Survey for Industry-specific data);		
	STES Credit 5.9. Support sustainability in materialis manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	In the or innerwable energy sources. Letter from the plant provider describing renewable energy sources to meet ten (10) percent or manufacturing electricity demands OR at least a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable energy sources for the facility at which the product is made;		
	To meet the intern of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Reduction in potable water use: Calculations showing potable or other natural surface or substruttice water resources comprise and sea sevenifylive (75) period if the substruttice water resources comprise and sevenifylive (75) period if the tail and work volume consumed in manufacturing the specified product line (the calculations should include a bird description of the non-potable water sources). Present one: the enclamented to all one bird hords, calculations should include a bird description of the non-potable water sources). Present one: the enclamented to all one bird hords, calculations should include a bird description of the non-potable water sources).		
	Reporting annual environmential performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmential product declaration (EPD) for the product; OR Publicly announcing pasis to reduce, by at least twerty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's	If you have any questions regarding the neglected information above, please small Dustin Stephany from UF PDAC at <u>distributing all adu</u> by 121/2021: Otherwise, please small the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.		
	performance metrics in the following categories:	Thank you for your participation in SITES and for your part in making sustainable places.		
	Use of energy, water, and toxics, Releases of key pollutaris to air and water, Disposal of hazardous and non-hazardous wastes.	Sincerely,		
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distributions</u>	Noten Davis Chales Peny Patrives, Inc. 300 SW 137 (Scenevalle, F. 33611 Mellen davis Brogs con 352-756-7377		
Gulf Coast	Sustainable 000 SITES Initiative" GBCI'	To help we achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Dogles of public annuoncement regarding (or website life to j) future environmental impact goals to reduce by at least attemptive: Temptive: Use of energy, water, and tacks, Releases of key poblaunts to air and water, B releases of key poblaunts to air and water, B Deposite of mazerdows and non-hazardoou waters.		
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:		
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the Thee (2 of the 3) categories below:		
	Gulf Coast Supply & Manufacturing 14429 SW 2 ⁺⁺ PL G30, Newberry, FL 32669	Emission of hazardous air pollutants (per U.S. Clean Ar Act or local equivalent for projects outside of the U.S.) Emissions of locar unater pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) equivalent for projects outside of the U.S.)		
	Dear Gulf Coast Supply & Manufacturing.	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the previous ten (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (per unit d product) OR receipts for purchased carbon offests from a leadily binding trading system that provides independent thirt-party verification for twenty-five (25)		
	Your organization is resolved pills later as a manufacturar of new products for UF-565 Landargae Mature Pills Preprint, which is seeking entertainty via the seeking entertainty and the seeking entertainty and the seeking entertainty and the seeking entertainty and seaking the set of the seeking entertainty and seaking the set of	entent of carbon emissions; Reduced areagy consumption: Documentation demonstrating consumption per unit of product of wenty-thinks (25) percent this energy than the industry wange in the manufacturing process (consult the National Instatute of Standards and Technology Building for Environmental and Economic Sustainability, the National Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Building on Surver for Industry-exectlic data's		

SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent, OR
 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
 Publicly announcing goals to reduce, by at least therefly-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:

 - O
 Use of energy, water, and toxics,

 O
 Releases of key pollutants to air and water,

 O
 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d stephany regult edu</u> by <u>11/12022</u> along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@ 352-756-7377

Sincerely,

Building Energy Consumption Survey for industry-specific data;
 We do intervaled energy sources to meet ten (10) percent
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If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>disteriors/20/fedu</u> by 12/1/2021. Otherwise, please emails the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the spectrate box.

Please note; these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.

Handi-Hut	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Iotiliative (GRI) or equivalent; OR A peer-reviewed full file-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of public announcement argunding (or wealling into by lutter environmental impact global to receive by at least twenty-five (FS) percere (per unit product or equivalent basis) over a the (5) year period, the company's performance metrics in the following categories: . Use of energy, water, and noice; . Deposed in their and and and water. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
	October 11. 2021 Hand-Hal Inc 3 Grunwald St, Cilton, NJ 07013 Dear Handi-Hul, Inc.	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three of categories below:
	Your organization is receiving this letter as a supplier of new products for UF-605 Landscope Mester Plan Project, which is seeking confiltations with the Sustainable Sites Inside Site Site Site Software comprehensive strainty system designed to distinguish sustainable sites. In Statement Plan Project, which is seeking confiltations, and elevate be value of landscopes. It is administered by the Green Business Certification Inc. (BCD) and more information about the program (including a fee download or the Site Site Variations) planes and Societardia is available at environment. STES Certif 5.9 Support sustainable Site in watersals the intervals manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment. To meet the interval of his credit and earn respective ponts in the STES Rating System, we are saking for your organization to perform, track and disclose sustainable tractices for all new products used for this project, in at least ore of the following ways, by:	Reduced energy concurrention: Documentation demonstrating communiton per unit of product of twenty-live (25) percent less renergy than the industry average in the manufacturing process (concurrential the National Institute National Institute Commercial Buildings Demonstrational Buildings Demonstrational Commercial Buildings Demonstrational Co
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed ful file-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-files (25) percent (per unit product or equivalent basis) over a files (5) year period, the company's performance métrics in the following categories: Use of energy, water, and toxics,	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PDBC at <u>d stephany from the PDBC at d stephany from the PDBC at</u>
	Releases of key pollutants to air and wate; Deposal of hazardous and non-hazardous wastes. To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PO&C at <u>d stephany</u> remarked edg by 11/10022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Noten Davis Chales Peny Pariners, Inc. 300 SW 1379, Caneswille, FL 32611 Neten davis Brogi con 352-756-7377
HD Whitecap	Sustainable SITES Initiative GBCI	To help a achieve 3 points for Option 2, please provide one of the following: A report of variaul environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer reviewed III III scycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Option of padde amousement regarding (or veloate bits to) Mara environmental Instact goals to reduce by at least therefy-fine (b) percent (per unit product or equivalent basis) over a five (S) year period, the company's performance metrics in the following categories: Biol of energy, water, and notics, Biol of hardrow and not not-harazidoos watere. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted: Emissions: Reports demonstrating reductions of al least fithy (SD) percent overall or per unit of product in at least three of the tree
	Cocker 11, 2021 PD Whence 115 EW Hay 411, Galesville, FL 2063 To Worksone To Wo	e of the 3) categories below.

SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency; reduce resource consumption and waste, and minimize negative effects on human health and the environment.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
- Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:

 - O
 Use of energy, water, and toxics,

 O
 Releases of key pollutants to air and water,

 O
 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>disteph-any@utl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Nolan Davis

energy sources for the facility at which the product is more: Reduction in produble warr use: Calculations showing potable or other natural surface or subsurface water resources comprise this its man then they (25) percent and non-potable sources comprise at least seventy-five (73) percent of the total water volume consumed in manufacturing the specified product line (the calculations should resource) and the non-potable water sources).

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distributiveRuit.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Please note; these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.



Holt Metals	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR A peer-reviewed full life-cycle assessment (LOA) or an environmental product declaration (EPD) for the product; CR Copies of optical environmental performance with the U loader environmental inpact pash to endec by a faat memby-live (ZS) perform (per unit product or equivalent basis) over a five (S) year period; the company's performance metrics in the following categories: • Use of energy, water, and toxics,		
	October 11, 2021	Releases of Key politaints to all and water, Disposal of hazardous and non-hazardous wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted: Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the mere (2 or the 3) categories below:		
	Holl Metals & Fabrication	•		
	24593 NW 9° PL, Newbery, FL 32669	Emission of hazardous air polutants (per U.S. Clean AFA for local equivalent for projects outside of the U.S.) Emission of toxic water polutants (per U.S. Clean Water Act or orace aquivatent for projects outside of the U.S.) Generation of hazardous and non-hazardous watet (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.)		
	Dear Holt Metals & Fabrication,	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the previous ten (10) years are at least weenty-five (25) percent better than the corresponding ten (10) year average (per unit of product) OR receipts for purchased carbon offests from a leaghly brinding taxing system that provides independent third-party verification of twenty-five (25)		
	Your organization is reaching this letter as a manufacturer of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the Sustainable States initiative/6 (STIES98). STIES offers as comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the viala or undiraccapes. It is administered by the Green Busivers Certification inc. (GBCI) and more information about the program (including a free download of the STIES v2 Rating System and Scorecard) is available at www.sustainablesites.org.	protect of carbon emissions; received and a second a secon		
	STES Credit 5.9. Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Use of rementable energy sources to their from the plant provider describing renewable energy sources to meet ten (10) percent or manufacturing electricity demands RR at least a tour (4) year contract for the purchase of twenty (20) percent of electricity from renewable energy sources for the facility at which the product is made: Reduction in possible water use: Calculations showing potable or other natural surface or subsurface water resources comprise		
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Bis that twenty-five (25) percent and non-potable sources comprise at least seventy-five (75) percent of the total water volume consumed in manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources). Please note: these requirements do not apply to rocks, plants, soils, or products that are salwaged, reused or refurbished.		
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR Conducting a peer-terviewed ful life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly amouncing gasts to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distentany@ult.edu</u> by 12/1/0221. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.		
	ny s periorinanze menos in me rowowing categories.	Thank you for your participation in SITES and for your part in making sustainable places.		
	Coe of energy, water, and succe, Releases of key pollutaris to air and water, Dispose of hearafous and non-trazardous wastes.	Sincerely,		
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distribu- toribuil.cou</u> by 177.0222 along with a copy of this letter, indicating which documents are provided by theolong the appropriate box.	Notan Davis Charles Perry Partners, Inc. 300 SVI 13 ¹⁰ St. Gamestille, FL 32011 Notan davis Gactor		
Home Depot	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent, OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product, OR Opties of public announcement regarding (or website life k) by future environmental impact goals to reduce by at least thenty-five (ZS) percent (per unit polocid or equivalent basis) were a five (5) year period, the company's performance metrics in the following categories: Use of energy, valar, and taxics, Previses of key politamis to air and water, Disposed of their actions and on-hazardoou waters.		
		 Disposal of hazardous and non-hazardous wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted: 		
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the where (2 of the 3) categories below:		
	Home Depot 7107 NW 4* Bird, Gainesville, FL 32807	Emission of hazardous air pollutarits (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutarits (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous of non-hazardous waite (per U.S. Resource Conservation and Rescever) Act or local		
	Dear Home Depot,	equivalent for projects outside of the U.S.) Conventionage annihistories. Environmentating that the fitnee (3) lowest years for carbon emissions in the Periodus ten (10) years are at least teersh-pher (25) periodin before than the corresponding time (10) years arenege (per unit of protocut) receipts for purchased carbon offsets from a leight informing trading system that provides independent third party environment. The (25) periodin before (25) periodin before (25) perioding the (25) periodin before (25)		
	Your organization is receiving this letter as a supplier of new products for UF-556 Landscape Master Plan Project, which is seeking certification via the Sus- tanable Sites Initiative6 (SITES9). SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the value of andscapes. It is administered by the Create Busieness Certification Inc. (GBC) and more information about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesite.org.	errort of carbon emissions; Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-live (25) percent ress energy than the inclusing werage in the manufacturing process (consult the National Institute of Standards and Technology Building for Environmental and Economic Statianability, the National Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Rightings: Terrory Consumption: Survey for industry-percentic data):		
	STES Credit 5.9. Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturem whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	More of menadele energy sources Later from the plant provider describing renewable energy sources to meet ten (10) percent manufacturing bencht of Rat lesas a tour (4) year contract for the puttates of twenty (20) percent of the distribution merery sources for the distribution and which the product is made: Reduction in possible were use: Calculations showing potable or other natural surface or subsurface water resources comprise were hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress hyfer, (25) percent of the table were values comprise at less stress		
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in all least one of the following ways, by:	manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources). <u>Please note</u> , these requirements do not apply to rocks, plants, soits, or products that are salvaged, reused or refurbathed.		
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed ful life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR	If you have any questions regarding the requested information above, please email Dustin Stephamy from UF PDAC at <u>classhary/buil duy</u> by 12/10221. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.		
	 Publicly gradits to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 			
	O Use of energy, water, and toxics,	Thank you for your participation in SITES and for your part in making sustainable places.		
	Releases of key pollutarits to air and water, Disposal of hazardous and non-hazardous wastes.	Sincerely,		
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>distribu- registing by 1/1/X022</u> along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Notan Davis Chafes Perry Partners, Inc.		

Nolan Davis Charles Perry Partners, Inc. 300 SW 13° St, Gainesville, FL 32611 Nolan.davis & cppi.com 352-756-7377

Hunter Industries	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LOA) or an environmental product declaration (FPD) for the product; OR Optios of public announcement engranding for website lite to follow environmental impact goals benches by at Mast Annual (Step) performance wire used to the option of the following categories: Used energy, water, and tocks, Release of key politations of and matter, Disposal of hazardoon and non-hazardoon waters. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:		
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:		
	Hunter Industries 4501 Hunter Rd I#3204, San Marcos, TX 78666	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous waste (per U.S. Resource Conservation and Recovery Act or local equiva- lent for projects outside of the U.S.)		
	Dear Hunter Industries,	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the mericus ten (10) years are it least tenery/her (25) percent better than the corresponding ten (10) years average (per unit of product) OR receipts for purchased carbon offsets from a legally binding trading system that provides independent third-party verification for twenty-five (25) percent of extrem emissions:		
	Your organization is reaching this letter as a manufacturer of new products for UIF-656 Landscape Master Plan Project, which is seeking conflication via the Sustainable Sites Initiative (SITES98), SITES of dees a comprehensive ruling system designed to distinguish astainable sites, measure their performance, and elevate the value of landscapes. It is administed by the Gene Business Certification inc. (GIC3) and more information about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesites.org.	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent less mergy than the industry average in the manufacturing process (consult the National Institute of Standards and Technology Building for Environ- mental and Economic Stationality, the National Revealable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildings Energy Consumption Survey for Industry-specific data);		
	SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Use of renewable energy sources: Later from the plant provider describing renewable energy sources to met in (0) percent of manufacturing electricity demands OR at least a four (4) year contract for the purchase of twenty (20) percent of electricity from enewable mergy sources to the family at which the product is made; Production of pother water user. Colculations through public or other maturities or subunities water resources complete this than twenty-five (22) percent and non-potable sources complete a least severity-five (75) percent of the total water volume of non- manufacturing the specified collisions should include a bird description of the hon-potable water sources).		
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources). <u>Please note</u> : these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.		
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product dediaration (EPD) for the product; OR	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PDAC at <u>distributive</u> by 12/1/2021. Otherwise, please email the requested documentation by 11/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.		
	 Publicly announcing goals to reduce, by all least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	Thank you for your participation in SITES and for your part in making sustainable places.		
	Use of energy, water, and toxics, Releases of key podularits to air and water, Deposit of macridus air non-integrations waters.	Sincerely,		
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PDAC at distect- any dust edu by 1/17222 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Nolan Davis Charles Perry Pattners, Inc. 3005 SVI 975, Ganeeville, FL 26511 Nolan david Bropi com 352-756-7377		
Huntsman		To help-up achieve 3 points for Option 2, please provide one of the following: A record of annual environmental performance via the Global Recording Initiative (GRI) or equivalent. OR		
	Sustainable 000	A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR		
Building	Initiative" GBCI'	Copies of public announcement regarding (or website link to) thure environmental impact goals to reduce by at least twenty-the (c) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: Use of energy, testes and toxics, Reasess of two youldands to air and water, Disposed of hazardoos and non-hazardoos wastes.		
Solutions		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:		
		Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:		
	October 11, 2021	Emission of hazardous air poliutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxice water poliutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous wates (per U.S. Recover Conservation and Recovery Act or local equival-		
	nummen owang sources 10003 Woodoch Forest Dr, The Woodlands, TX 77380	tent for projects outside of the U.S.) Generativas gas entisticators trained intermentating that the three (3) lowest years for carbon entissions in the projects ten (10) years are at least herein-three (2) percent before than the corresponding ten (10) year waverage (per usid of product) OF receipts for purchased carbon offeets from a least yit home grading years multi provides independent with third-party vertification for them; how (2) percent		
	Dear Huntsman Building Solutions,	af carbon emissions;		
	Your organization is receiving this letter as a manufacturer of new products for UF-856 Landscape Master Plan Project, which is seeking certification via the Sustainable Sites initiative (SITES9). SITES diffes a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and deviae the viaue of landscapes. It is administed by the Gene Bauses Sectification in: (GSC) and more information about the program (including a tree download of the SITES v2 Rating System and Scorecard) is available at www.sustainablestes.org.	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-live (2) percent less mergy than the inductary average in the mundatary average in the National Installation of Standards and Technology Building for Environmentating constants (const the National Installation). Every Consumption: Survey for Instally specific data; Every Constally for Instally specific data; Every Constally specific data; Every Consurvey for Instally specific data; Every Constally specific d		
	SITES Credit 5.9. Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Regretory sources for the facility at which the product is made; Reduction is problem water user. Calculations showing potable or other natural surface or subsurface water resources comprise test than twenty-the (22) percent and non-potable sources comprise at least severity-five (73) percent of the total water voltance and manufacturing the specified product line (the calculations showing and a bird description of the non-potable vater sources).		

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:

Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
 Publicly announcing goals to reduce, by at least twenty-five (Z5) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance merics in the following categories:

 Use of energy, water, and toxics,

 Releases of key pollutants to air and water,

 Disposal of hazardous and non-hazardous wastes.

Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d.stephany20ufl.edu</u> by 12/1/2021. Otherwise, please email the requested documentation by 11/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611

Hutchinson Welding	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full lite-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of or folke anoncomment aperating for whellewise two 1) uture environmental impact goals to reduce by a blast termity-five (ZB) product or equivalent basis) over a five (S) year period, the company's performance metrics in the following categories:		
		Use of energy, water, and toxics, Release of key pollutants to air and water, Depollutants of air and/out and incon-hutandous waters. Dopole of neurardous and non-hutandous. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:		
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:		
	Hutchinson Welding & Ropair 1053 Hwy 17, Satsuma, FL 32189	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Vater Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.)		
	Dear Hutchinson Welding & Repair,	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the phylous ten (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (per unit of product) QT receipts for purchased carbon offests from a telegily livingit strateging system that provides independent third-garty emilication for twenty-five (25)		
	Your organization is receiving this letter as a manufacturer of new products for UF-856 Landscape Master Plan Project, which is seeking certification via the Sustainable Sites Intitative® (SITES) SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the value of landscapes. It is administeded by the Teen Busines Certification Inc. (GBC) and nore information about the program (including a free download of the SITES viz Rating System and Scorecard) is available at www.sustainablesites.org.	ercent of carbon emissions; Reduced areasy consumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent esc energy than the industry average in the manufacturing process (consult the National Institute of Standards and Technology Bulding for Environmental and Economic Sustainability, the National Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Building Tenergy Consumption Survey for Industry people database.		
	STES Oredf 5.9. Support sustainability in materials manufacturing ams to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	I use of newakile mergy accurace. Later from the start provider describing menable mergy accurace to me test the or manufacturing description promotion GP at leasts to ref () year contract for the purchase of twenty (20) percent of electricity from menewakile energy sources for the facility at which the product is made: Reduction in potable were use: Calculations showing potable or other natural surface or subsurface water resources comprise events than therein-fyne (25) percent and non-potable sources comprise at least seventy-five (75) percent of the total water volume consumed in the natural sources of the facility at which the product is made: Reduction in potable were use: Calculations the sources comprise at least seventy-five (75) percent of the total were volume consumed in the nature of the source of the sources comprise at least seventy-five (75) percent of the total were volume consumed in the source of the source of the sources comprise at least seventy-five (75) percent of the total were volume consumed in the source of the source of the sources comprise at least seventy-five (75) percent of the total were volume consumed in the source of the total were volume consumed in the source of the s		
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	In the hear hear (25) percent and non-potable sources comprise at least seven/hear (25) percent of the total water volume consumed in manufacturing the specified product line (the calculations should include a leader service) and the non-potable water sources). <u>Please note:</u> these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.		
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed ful life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance mericis in the following categorias:	If you have any questions reparting the requested information above, please email Duatin Stephany from UF POEC at distantant gluta add by 12/1/2021, Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.		
	0	Thank you for your participation in SITES and for your part in making sustainable places.		
	Use of energy, water, and toxics, Releases of key pollutants to air and water, Diaposal frauzatious and non-hazardous wastes.	Sincerely,		
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>database</u> <u>rayBull.edu</u> by 11/2022 along with a copy of this letter, indicating which documents are provided by theoling the appropriate box.	Notan Davis Charles Perry Partners, Inc. 300 SW 193, Gaaireaville, FL 32611		
		Nolan davis Biccai com 352-756-7377		
JM Eagle	Sustainable SITES Initiative GBCI	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR A peer-reviewed full file-cycle assessment (LCA) or an environmental product, declaration (EPD) for the product; CR Copies of optic anononcoment rules registration (CA) with the N lutter environmental impact goals to reduce by a fleast terminy-two (Z5) percent (per unit product or equivalent basis) over a five (5) year period; the company's performance metrics in the following categories:		
		Use of energy, water, and toxics, Release of key pollutants to air and water, Release of key pollutants to air and water, Deposit of hazardose and non-hazardose wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:		
	October 11, 2021	Emission: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the where (2 of the 3) categories before:		
	JM Eagle 2101 J-M Dr. Adel, GA 31620	Emission of hazardrous air polititants (per U.S. Clean Var Ar or local equivalent for projects outside of the U.S.) Emissions of locic water poliutants (per U.S. Clean Vater Ar or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous water (per U.S. Resource Conservation and Recovery Arc or local		
	Dear JM Eagle,	equivalent for projects outside of the U.S.) Generalization age an entiastoc: Enclassions reports demonstrating that the three (3) lowest years for cation emissions in the Phriotos fler (10) years are at least teerly-live (25) percent batter than the corresponding ten (10) year average (per unit of product) projectings of cations of these from a leagit living barding stations gravity multiplication for teerly-live (25)		
	Your apparization is reaching this teter as manufacturer of new products for UF-656 Landscape Matter Plan Ringel, which is seeking and tacknow hat he Subatanable Steam (SITES) STES offers a comprehensive rading system designed to difficult subatanable testics of designed to difficult and the state of	Reduced decay consumption. Documentation demonstrating consumption per unit of product of werey-five (25) percent meta every than the industry average is the manufacturing process (consult the National Institute of Standards and Technology Buildanne (cold Buildings Energy Onsumption). Developmentation of the Commentation of		
	SITES Credit 5: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	If use of nerveable energy sources: Letter from the plant provider describing enervable energy sources to meet ten (10) percent of manufacturing electricity demands: OK at least a low (4) year contract for the purchase of twenty (20) percent of electricity from nerveable geergy sources for the tabling at which the product is made.		
	To ment the intent of this credit and earn respective points in the SITES Rating System, we are asking to your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Reduction in potable review use: Calculations showing potable or other natural surface or subsurface water resources comprise a subsurface mark-type (25) percent and non-potable sources comprise at less servery/her (25) percent of the total water volume consumed in manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources). <u>Please note:</u> these requirements do not apply to trocks, plants, soils, or products that are salvaged, reused or refurbished.		
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed ful life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance merics in the following categories:	If you have any questions reparting the requested information above, please email Dualin Stephany from UF POEC at <u>distantany divided</u> by 12/1/2021. Otherwise, please email the requested documentation by 11/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.		

Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Notan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Notan davis @cppi.com 352-756-7377

 O
 Use of energy, water, and toxics,

 O
 Releases of key pollutants to air and water,

 O
 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d stephany</u> <u>my@ull.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Kawneer	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full B-cycle assessment (LOA) or an environmental product declaration (FPD) for the product; OR Copies of points announcement regarding for weakelite the Johane environmental impact goals benchus by at least hearthy five (5) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:
		Use of energy, water, and toxics, Reises of May obligations and water, Reises of May obligations to and water, Disposal of hazardosa and non-hazardosa wates. To help us achieve 5 points for options, a Jaeses provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below.
	Kawneer 4645 L B McLeod Rd, Orlando, FL 32811	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emission of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous waste (per U.S. Resource Conservation and Recovery Act or local equiva- lent for projects outside of the U.S.)
	Dear Kawner,	Control to the second secon
	Your organization is nearing this letter as a menufacture of new products for <u>UF-856 Landscape Nater Pain Project</u> , which is seeking cartification via the Sustainable She Initiative (SITES) SITE 30 effer a comprehensive rating system designed to distription autainable also means their performance, and elevale the value of landscapes, it is administened by the Cieren Baunesa Certification in the information about the program (including a fee downide of the SITE SC Petral System and Sciencemid) is vanibide at www.sustainablesisce.com	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twerty-fwe (25) personnel less energy and he industry events on the manufactuating process (crossel the Nitrodal Institute of Standards and Reformation) Building for Environ- mental and Economic Statistication Revealed Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildings Energy Comunifying Starty for Industry-specific diab);
	STES Credit 5.9 Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	the of remeable energy sources: Latter from the plant provider describing remeable energy sources to meet ten (D) percent menufacturing electricity demarks OR at latest all out (I) year contrast for the purchase of twenty (20) percent of electricity at which the product is made; regrey sources for the facility at which the product is made; reduction and the rest and the product is made; reduction and the rest and the product is made; reduction and the rest and the product is made; reduction and the rest and the product is made; reduction and the rest and the r
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	management of the network of produce me (the calculations and/or and/or and/or a strate coupper or the network and/or a
	Reporting annual environmental performance via the Global Reporting Institutive (GRI) or equivalent; OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR	If you have any questions regarding the requested information above, please email Dualin Stephany from UP PDAC at <u>also have div</u> deb by 12/12021. Obtained on the second diversity of the second diversity of the lefter, indicating which documents are provided by checking the appropriate box.
	 Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	Thank you for your participation in SITES and for your part in making sustainable places.
	Utso of energy, water, and toxics, Releases of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes.	Sincerely.
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PO&C at <u>distant</u> any GML data by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Nolan Davis Chates Peny Patrices, Inc. 300 SW 379, St. Gameville, FL 32611 Nolan davist Repair.com
		352,758,7377

Keystone Ridge	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Gobal Reporting Instative (GRI) or equivalent; OR A peer-reviewed full tile-cycle assessment (LOA) or an environmental impact declaration (EPD) for the product; OR (C) percent (per unit product equivalent table) and the (S) per product more maintenance matching the Bohaveg adaptotes.
Designs		Los of energy, policiales and solosi. energy, policiales to all entry water. encloses of hazardous and non-hazardous westes. Disposal of hazardous and non-hazardous
	October 11, 2021	To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
	Keystone Ridge Designs, Inc 670 Mercer Rd, Butler, PA 16001	Emission of hazardous sir pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous on ton-hazardous wastle (per U.S. Resource Conservation and Recovery Act or local equiva- lent for projects outside of the U.S.)
	Dear Krystone Ridge Design, Inc.	Generhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the Protous (10) years are gas least twenty-five (2) pricent better than the corresponding ten (10) years are gas (em und for product) OR receipts for purchased carbon offsets from a legally binding trading system that provides independent third-party verification for twenty-five (25) percent d carbon emissions:
	Your organization is receiving this letter as a suggier of new products for UF-661 Landscope Matter Palle Project, which is exeking confidance in a here Sus- tamable Site Instantive (SITESS). Fits define a comprehenvier rating system designed to distinguist sustande letter. In administered by the Green Business Certification (nc. (BBC)) and more information about the program (including a free download of the UTES or Rating System and Scoreard) is available at www.standiaelaste.com	Reduced energy cossumption: Documentation demonstrating consumption per unit of protect of twenty-leve (25) personal less mergy tan be industry energies in the mandatauting process growall the National Instaket of Standard and Technology Building for Environmental and Economic Stanianability, the National Research Erergy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildings Flargy Consumption Survey for Industry-specific 46ab);
	STES Credit 5.P. Support sustainability in materials manufacturing sims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	the of remeable energy sources: Letter from the plant provider describing remeable energy sources to meet ten (10) percent manufacturing electricity demarks OR at last at low (14) years contract for the purchase of twenty (20) percent of electricity from reinwalke mergy sources to the facility at which the product is made; mergy sources to the facility at which the product is made; mergy sources to the facility at which the product is made; mergy sources to the facility at which the product is made; mediate the facility at which the product is made; mediate the facility at which the product is made; mediate the facility at which the product is made; mediate the facility at which the product is made; mediate the facility at which the product is made; mediate the facility at which the product is made; mediate the facility at which the product is made; mediate the facility at which the product is made; mediate the facility at the facility at the facility of the faci
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR	If you have any question regarding the requested information above, please small Duals Stephany from UF PDAC at <u>Interhangundud.cd</u> by 121/2021. Otherwise, glasses small the requested documentation by 1/1/2022 along with a copy of this lefter, indicating which documents are provided by checking the appropriate box.
	 Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	Thank you for your participation in SITES and for your part in making sustainable places.
	Use of energy, water, and toxics, Releases of key polutants to air and water, Disposal of hazardous and nor-hazardous wastes.	Sincerely,
	To demonstrate to GBCI that the requirements are met for this oredit, please email the following documentation to Dustin Stephany from UF PD&C at <u>diatech-anyBull.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Nolan Davis Charles Perry Patriens, Inc. 300 SW 13 ^{re} St, Ganeaville, FL 32511 Nolan davis Ricco com
		352-756-7377

Landscape	SuctainableBDD	To help-up achieve 3 points for Option 2, please provide one of the following:		
Lanuscape		A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR		
Forms	Initiative" GBCI	A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR		
Forms	indative obti	Copies of public announcement regarding (or website link to) (uture environmental impact goals to reduce by at least thenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:		
		Use of energy, water, and toxics, Releases (of key pollutants to air and water, Disposal of harardous and non-hazardous wastes.		
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:		
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the mode (2 of the 3) categories below:		
	Landscape Forms 7800 E Michigan Ave. Kalamazoo. MI 49048	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-taxatook watel (per U.S. Resource Connerstation and Recovery Act or local		
	7000 E Michigan Ave, Kalamazoo, Mi 49046	 Generation of inazardous and non-nazardous waste (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.) 		
	Dear Landscape Forms, Your organization is receiving this letter as a manufacturer of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for cathon emissions in the provious ten (10) years are it last twenty-hit (25) present better than the corresponding ten (10) year average (per unit of product) OR receipts for purchased cathon diffest from a legally binding trading system that provides independent third-party verification for twenty-five (25) pagerout of cathon emissions;		
	Suitabula Site Instative (IGITSR), STES offen a comprehensive neiging system designed to distinguish sustainable alter, measure their performance, an elevate the value of indicacese. It is administered by the Care Busivers Certification (c. (GBC)) and more information about the program (including a free download of the STES v2 Rating System and Scorecard) is available at www.sustainablesite.org.	I Reduced energy consumption: Documentation demonstrating consumption per unit of product of hereity-here in annalecturing process (const the National Institute of Standards and Technology Building for Environmental and Ecconomic Sustainability, the National Renewable Energy Laboratory U.S. Life-Cycle Invertory Database, or the Commercial Building for Standard Standards (Construction) and Standards (Construction) an		
	STES Credit 5.9 Support sustainability in materials manufacturing ams to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Like of resemble energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent of manufacturing electricity demands: OF all leads a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable paging sources for the texture is made.		
	To meet the intent of this credit and earn respective points in the STEES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Reduction in potable water use: Calculations showing potable or other natural suttance water sources comprise This than hereity-five (25) porent and non-potable sources comprise This than hereity-five (25) porent and then opticable sources comprise a least every-five (75) percent at of non-potable sources comprise a least every-five (75) percent at of non-potable average and a source of the sou		
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR			
	 regioning annue reinordimenta periormanes va tre ucioas regioning instaure equivaent. Un Conduction garosteriente del Hescycla assestemit (LOA) or an environmentaria) or equivaent. Un Pablicky announcing opala to reduce, by al least trenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company performance mentics in the following categories: 	If you have any questions regarding the requested information above, please email Dasin Stephany from UF PDBC at <u>disterancy@util.edu</u> by 12/2020. Otherwise, plasse armal the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.		
		Thank you for your participation in SITES and for your part in making sustainable places.		
	O Use of energy, water, and toxics, O Releases of key pollutants to air and water,	Sincerely,		
	O Disposal of hazardous and non-hazardous wastes.			
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>disterbany</u> m/@ull.edu.by 1/1/2022 along with a cooy of this letter, indicating which documents are provided by checking the appropriate box.			
	Incomesa by inizoccating with a copy of this letter, increating which occurrents are provided by checking the appropriate box.	Charles Perry Partners, Inc. 300 SW 13 th St, Gainesville, FL 32611		
		Nolan, davis @ copi.com 352-756-7377		
IG		To help-up achieve 3 points for Option 2, please provide one of the following:		
LO		A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR		
	Initiative" GBCI	Copies of public announcement regarding (or website link to) future environmental impact goals to reduce by at least whenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:		
		Ilea of anamy water and twice		
		Release of key pollutaria to air and water, Disposal of hazardous and non-hazardous wastes.		
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:		
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the the (2 of the 3) categories below:		
	LG Electronics	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-tracationa water (per U.S. Resource Connerstation and Recovery Act or local		
	111 Sylvan Ave, Englewood Cliffs, NJ 07632	equivalent for projects outside of the U.S.) Greenhouse gas emissions: Emissions reports demonstraing that the three (3) lowest years for carbon emissions in the providues ten (10) year average (per unit of product) OR		
	Dear LG Electronics,	receipts for purchased carbon offsets from a legally binding trading system that provides independent third-party verification for twenty-five (25) percent of carbon emissions;		
	Your organization is netwing this letter as a manufacturer of new products for UE-BSC Landscape Matter Faar Project, which is seeking certification via the substrainable Sites. ISI SIS differs a comprehensive railing system designed to distinguish substainable sites, masure their performance, and evalue the value of landscapes. It is administered by the Green Business Certification fice, (BSC) and more information about the program (including a free download of the STES of Zeard Systems and Socreted) is available at www.satishablesters.org.	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twerty-why cited ease energy than the industry sverage in the mandacturing process (consult the National Institut of Standards and Technology Building for Environmental and Economic Sustainability, the National Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildings Energy Consumption Survey for industry-specific data); Use of newable energy sources to there the provider describing renewable energy sources to meet ten (10) percent.		
	STES Credit 5- Support sustainability in materials manufacturing sims to support sustainability in materials manufacturing by specifying and using materials from manufacturines whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	menufacturing electricity demands OR at least a bour (4) yeak contract for the purchase of hereiny (20) energy of electricity demands of the tasks at bour (4) yeak contract for the purchase of hereiny (20) energy of electricity form menualities menufacturing electricity demands water use Calculations should public or other naturing subtracts or subsurface water exact sources comprise must be tan hereiny-field (20) percent and non-possible aclease comprise at least severity-field water volume consumed in		
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	manufacturing the specified product line (the catoutations should include a brief description of the non-potable water sources). <u>Elease note</u> : these requirements do not apply to nocks, plants, soils, or products that are salvaged, reused or refurbished.		
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR	If you have any questions regarding the requested information above, please email Duatin Stephany from UF PD&C at <u>d-stephany/Bull adu</u> by 12/1/2021. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided		
	Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR	by checking the appropriate box.		
	 Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	Thank you for your participation in STTES and for your part in making sustainable places.		
	O Use of energy, water, and toxics, O Releases of key pollutants to air and water,	Sincerely,		
	O Disposal of hazardous and non-hazardous wastes.			
	To demonstrate to GRCI that the requirements are met for this credit plasse avail the following documentation to Dustin Standary from TE DDPC of distance	Notan Davis Charles Perry Partners, Inc.		
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d stephany</u> my@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	300 SW 13 ⁿ St, Gainesville, FL 32611 Noten davis @copi.com		
		352,756,777		

Limerock Industries	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copes of public announcement regarding (or website link to) future environmental impact goals to reduce by at least twenty-five (CF) performance metrics in the following categories: • Use of energy, water, and toxics,		
		Releases of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:		
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifly (50) percent overall or per unit of product in at least two of the three 1/2 of the 3) categories below:		
	Limerock Industries 2500 NW 202 ⁻⁴ St, Newberry, FL 32669	Emission of hazardous air poliutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water poliutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous wastle (per U.S. Resource Conservation and Recovery Act or local equiva- lent for projects outside of the U.S.)		
	Dear Limerock Industries,	Privices ten (10) years are as that thereit/we (2) prices demonstrating that the three (3) torest years for random emissions in the privices ten (10) years are as that thereit/we (2) prices that the thirt has composingly in (10) years are and year of the composition of the (10) years are and years of the composition of the composition of the composition of the tent of product) Off receipts for purchased action offletes from a legally binding trading system that provides independent third-party verification for twenty-five (25) percent d) cation emissions:		
	Your organization is receiving this letter as a provider of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the Sus- tainable State initiative(ii) (GITES91). SITES offers a comprehensive rating system designed to distinguish sustainable site, measure their performance, and elevate the via of adrackapes. It is administered by the offers Blaires Cardination Inic. (GRC) and more information about the program (including a fine download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesites.org.	Regy than the location one go consumption: Documentation demonstrating communities per unit of orocate of therein-five (spectra test) regy than the location ones, the there makes improved inclusions the feational test and consumers and therein the location test and the second test and te		
	STTES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	De of reseable analysis particus: Latter from the plane provider describing reveable energy sources to meet ten (10) parcent analysis ources to meet ten (10) parcent analysis ources to the facility at which the product is make; provider to the facility at which the product is make; Revealedon's probable water use; Calculations should include a bit description of the total water volume comprise the than twenty-her (25) parcent and non-potable sources comprise at least servicy-fiver, (75) parcent of the total water volume on in- menufacturing the specified product in make;		
	To meet the intent of this credit and earm respective points in the STEES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.		
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product dediaration (EPD) for the product; OR Publicity annunning oxate to reduce by at least twenty-five (25) exercise for end to reducive the assist over a five (5) vear period; the compa-	If you have any questions regarding the requested information above, please email Dustin Shephany from UF PD&C at <u>d stechany@ull.edu</u> by 12/1/2021. Otherwise, please email the requested documentation by <u>U1/2022</u> along with a copy of this letter, indicating which documents are provided by checking the appropriate box.		
	 Publicly announcing goals to reduce by all least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	Thank you for your participation in SITES and for your part in making sustainable places.		
	Use of energy, water, and toxics, Releases of key pollutants to air and water, Disposition of non-hazardocus waters.	Sinceey,		
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dutin Stephany from UF PD&C at <u>distoch- any@ull.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Notan Davis Charles Perry Parmers, Inc. 300 SW 13* St, Gamesville, FL 32611 Neter davis dicept com 352-756-7377		
Ludowici	Sustainable	To high as achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental prodotad declaration (EPD) for the product. OR Cogiese of paide announcement program [so to balance bits (b) data environmental impact optics to product or equivalent basis) over a fee (5) year period, the company's performance metrics in the following categories: • Use of energy, water, and toxics. • Balance de products to an annuales. • Disposid of hazardous and non-hazardous wates. • Disposid of hazardous and non-hazardous wates.		
		to help us active to points for Option 3, please provise the documentation to demonstrate three of more of the towned and conducted.		
	October 11, 2021 Ludowici 4737 Tile Plant Rd, New Lexington, Chł 43764	Emission of hazardous air polutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of noc water polutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Interformation and Executive Act or local equivalent for the Act or local equivalent for projects outside of the U.S.) For projects outside of the U.S. (Interface and the Act or local equivalent for projects outside of the U.S.) Catalogue as a anticidence Execution at each or action of the Act or local equivalent for the Act or local equivalent		
	- Dear Ludowici,	previous ten (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (per unit of product) OR receipts for purchased carbon offsets from a legally binding trading system that provides independent third-party verification for twenty-five (25) percent of carbon emissions;		
	Your organization is receiving this letter as a manufacturer of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the Sustainable State Initiative® (SITES8). SITES offers a comprehensive rating system designed to datinguish austainable sites, measure their performance, and elevate the viace of fundscapes. If it administered by the Green Bauress Certification inc. (GBC) and nore information about the program (including a free download the SITES 2 rating System and Scoreavily is enabled at www.sustainablesite.com	Mediced design consumption: Documentations demonstrating consumption per util of product of hereit-yine (22) percent less mergy than the industry average in the medicating process (consum hereit and Economic Statistication of the National Patients in the National Patients of Statistics and Technology Babitry for Invison- mental and Economic Statistication of the National Patients and Economic Statistics and the Commercial Buildings Energy Cosmutplin Survey for industry-specific dash; Energy Cosmutplin Survey demonst C at all less to (0) dyna contracts to the purchase of the entry laboratory to the relative provided describing rereveable energy sources to meet in (10) percent or nanuflacturing description denotes to (0) dyna contracts of the purchase of the technology flags thereing less to (10) percent to the purchase of the technology of electricity from relevable		
	SITES Grefit 5.9 Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	every sources for the facility at which the product is make: The source of the facility at which the product is make: The source of the source of		
	To meet the intent of this oredit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in all least one of the following ways, by:	Please rode; these requirements do not apply to rocka, plants, soils, or products that are salvaged, reused or refurbabled.		

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product, OR
 Publicly announcing goals to reduce, by at least themp-the (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance mentics in the following categories:

 - O
 Use of energy, water, and toxics,

 O
 Releases of key pollutants to air and water,

 O
 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d steph-any@ull.edu</u> by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Thank you for your participation in SITES and for your part in making sustainable places.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>datechany@uff.edu</u> by 12/12021 Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Master Builders Solutions	Sustainable	To help we achieve 3 points for Option 2, please provide one of the following: A secrotrow with the Global Reporting Initiative (GRI) or equivalent; OR A secrotrow target of the second		
	889 Valley Park Dr S, Shakopee, MN 55379	Emission of hazardous air pollutants (per U.S., Clean AFA dor local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or oral equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous water (per U.S. Resource Conservation and Recovery Act or local equivalent for protect outside of the U.S.)		
	Dear Master Builders Solutions,	Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the phrvious for (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (per und it opricult) (OR receiptor purchased carbon offests from a legally hinding trading years that provide independent third-party verification for twenty-five (25)		
	Your organization is receiving this letter as a manufacturer of new products for UF-656 Landscape Matter Plan Proget, which is seeking editional with a sustainable Biot Instanter® (BTESB). STES defins a comprehensive antig systematic medicaged to distinguish sustainable lastic measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GBCI) and more information about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesites.org.	percent of carbon emissions; Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-live (25) percent this energy than the industry average in the manufacturing process (consult the National Institute of Standards and Technology Building for Environmental and Economic Sustainability, the National Renewable Energy Laboratory U.S. Lite-Cycle Inventory Database, or the Commercial Building to Energy Consumption Survey for Industry percentic data).		
	STES Credit 5.0 Support traustanticability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whole practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	It is a of meanable energy sources Letter from the plant provide describing menuable energy sources to meet ten (10 parcent manufacturing electricity plants) of all tensa is our (4) years contract for the purchase of twenty (20) percent of electricity from menuable energy sources for the facility at which the product is made;		
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Reduction in potable water use: Calculations showing potable or other natural surface or subsurface water resources comprise at least seventy-five (25) percent of the total water volume consumed in manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources). Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.		
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR			
	 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly amounting agaits to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	If you have any questions regarding the requested information above, please email Dustin Stephany from UF FDAC at <u>steepany@bitedu</u> by 12/10/201. Obviewice, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.		
	O Use of enerory, water, and toxics.	Thank you for your participation in SITES and for your part in making sustainable places.		
	Use of emergy, water, and toxics, Releases of key politatist to a and water, Diposal of hexatorious and non-hazardous waters.	Sincerely,		
	 Disposal di nazarudus and normazarudus wastes. 			
	To demonstrate to GBC/ that the requirements are net for this credit please email the following documentation to Duritin Sephany from UP PD&C at <u>distance</u> mgbull edu by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Nolan Davis Chales Perry Partners, Inc. 300 SW 139 Cameville, FL 32011 Nolan davis IR copi Joan 352-756-7377		
Max-R	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following:		
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the thee (2 of the 3) categories below:		
	Max-R			
	W248 N5499 Executive Dr, Sussex, WI 53089	Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of huzardous din on-Avarations waite (per U.S. Resource Contenvision and Resource) Act or local		
	W248 N5499 Executive Dr, Sutsex, WI 63089 Dear Max-R,	Generation of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.) Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the previous ten (10) years are at least twenty-five (25) percent before than the corresponding ten (10) years areage (per uni of product), binding trading system that provides independent thirty-dary enfectation for twenty-five (25)		
		Generation of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local equivalent for projectio source) of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for projection source of the U.S. Resource Conservation and Recovery Act or local equivalent for the U.S. Resource Description the Recovery Act or local equivalent for the U.S. Recovery Act or label to the U.S. Re		
	Dear Max-R, Your organization is receiving this later as a manufacturer of new products for <u>UF-865 Landscope Master</u> Pair Project, which is seeking confidention via the Subtanable Site Indiatived (SITESR). SITES direct a comprehensive and paystem deligned to didinguish sustainable alter, neasure the project elevate the value of indiaceses. It is an indianeter of the come Masters accellation (nc. (GRCI and near of indianeter) the common (including a near elevate the value of indiaceses. Its an indianeter of the come Masters accellation (nc. (GRCI and near of indianeter) the common (including a near the organization (indianeter) the the common (including a near of indianeter).	Generation of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outline of the U.S. Resource Conservation and Recovery Act or local extended in the projects outline of the U.S. Resource Conservation and Recovery Act or local extended in the projects outline of the Recovery Act or local extended in the project outline of the Recovery Act or local extended in the project outline of the Recovery Act or local extended in the project outline of the Recovery Act or local extended in the Project outline of the Recovery Act or local extended in the Project outline of the Recovery Act or local extended in the Project outline of the Recovery Act or local extended in the Project outline of the Recovery Act or local extended in the Project outline of the Recovery Act or local extended in the Project outline of the Recovery Act or local extended in the Project outline of the Recovery Act or local extended in the Recovery Act or Recovery Act		
	Dear Mar-R, Your opprivation is receiving this letter as a manufacturer of new products for UF-661 Landscape Master Play Project, which is seeking confiduation via the Sustainable Base Initiative® (SITESB). SITES offens a comprehensive rafing system designed to distrigute sustainable sites, resource their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GSC) and more information about the program (including a free downade of the TISS or Painting System and Scoreced) is available at www.saturable.letters.com SITES Credit 5.9: Support sustainability in materials manufacturing sims to support sustainability in materials manufacturing by specifying and using materials	Generation of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local equivalent for projectio oxide of the U.S.) Generatouse gas ensistence Tensistone reports demonstrating that the three (5) lowest years for cation emissions in the merceipts for junct based ensistence. Tensistone reports demonstrating that the three (5) lowest years for cation emissions in the merceipts for junct based ensistence. The provide strateging of the three (5) lowest years for cation emissions in the merceipts for junct based ensistence of the provide strateging of the three (5) lowest years (or thereing the three) merceipts for junct based ensistence of the provide strateging of the three (5) lowest years (or thereing the three) merceipts for junct based ensistence of the provide strateging of the tension of tension		
	Dear Mar-R, Your opprivation in servicing this letter as a manufacturer of new products for UF-661 Landscape Master Plan Project, which is seeking confiduation via the Sustainable Bale Initiative® (SITESB). SITES offers a comprehensive rafing system designed to distrigute usualizable sites, resource their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GSC) and more information about the program (including a free download of the TISS V Paking System and Scoreced) is available at www.satematikelistics.com SITES Credit 5:S. Spaport sustainability in materials manufacturing sims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Penetration of hazardous and non-hazardous wate (per U.S., Resource Conservation and Recovery Act or local Conservation of the standardous of the U.S., Resource Conservation and Recovery Act or local Conservation of the standardous and non-hazardous wate (per U.S., Resource Conservation) and Recovery Act or local Conservation of the standardous of the standardous of the standardous water (per U.S., Resource Conservation) and Recovery Act or local Conservation of the standardous of		
	Dear Mark. Your organization is receiving this letter as a manufacturer of new products for UF-655 Landscape Matter Piun Project, which is seeking certification via the Sastanable Sites Instant-ed (SITES) SITES offers a comprehensive mining system designed to distinguish sustainable sites, measure the program (including a fee download of the SITES v2 Rating System and Scorecard) is available at www.sustainability in materials manufacturing on the source of the	Penetration of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local Penetration of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local Penetrose gas emissions: Emissions reports demonstrating that the three (1) lowest aware (per unit of product) (for resource the formation of the last herethyle (c) penetrose that the hard (c) penetrose and the heret (c) lowest aware for cathoo missions in the resource the formation of the last herethyle (c) penetrose that the hard (c) penetrose that the here (c) (by ear waneg (per unit of product) (for resource the formation of the last herethyle (c) penetrose that the hard (c) penetrose that the here (c) (by ear waneg (per unit of product) of the left). Reduced many plants that hard (c) penetrose that the hard (c) penetrose that the here (c) (by ear waneg (per unit of product) of the left). Reduced many plants that hard (c) penetrose that the hard (c) penetrose that the hard (c) penetrose that the here (c) penetrose the here (c) penetrose that the here (c) penetr		
	Der Mark R. Dur organization is incoving this letter as a manufacture of new products for UF-696 Landscape Matter Plan Project, which is seeking oertification via the database Seek inflaatieet (SIPESP). SIPES dates as comprehensive ending system designed to dating under use obmarked about the program (calcularge as the overlaaties 2000 Comprehensive ending system designed to dating under use obmarked about the program (calcularge as the overlaaties 2000 Comprehensive ending system designed to dating under use obmarked about the program (calcularge as the overlaaties 2000 Comprehensive ending system designed to dating under use obmarked about the program (calcularge as the overlaaties 2000 Comprehensive ending system designed to dating under use obmarked about the program (calcularge as the overlaaties 2000 Comprehensive ending system) was associated about the program (calcularge as the overlaaties 2000 Comprehensive ending system) was associated about the program (calcularge as the overlaaties and used as the overlaaties as the overlaaties and used as and used as and used as and used as the overlaaties and used as the overlaaties and used as the overlaaties and used as and used as the overlaaties as the overlaaties and used as an expective points in the SITES Rating System, was as asking for your organization to perform, track and disclose sustainability and and used as and use	Generation of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local more increasing as ensistences: Einsteiner regords demonstrating that the three (3) lowest years for cathon emissions in the more increasing as ensistences: Einsteiner regords demonstrating that the three (3) lowest years for cathon emissions in the more increasing as ensistences are ensistences and the three (3) lowest years for cathon emissions in the more increasing as ensistences are ensistences and the three (3) lowest years for cathon emissions in the more increasing as ensistences are ensistences and the ensistences and the part well-adapt verification for theorets, they more than the industry weeks in the manufacturing posses (consult the National Intelling and the Commercial more than the industry weeks in the manufacturing posses (consult the National Intelling and the Commercial more than the industry weeks in the manufacturing posses (consult the National Intelling and the Commercial more than the industry sequences (Later from the glant provide dearbing renewable energy sources to meet ten (10) percent meant density the industry sequences. Later from the glant provide dearbing renewable energy sources to meet ten (10) percent meant density the industry sequences. Later from the glant provide dearbing renewable energy sources to meet ten (10) percent meant density the industry sequences (Later from the glant provide dearbing renewable energy sources to meet ten (10) percent manufacturing the specified product in the data calculations should include a bird fees/plicin of the non-patcible water sources, manufacturing the specified product in the data calculations should include a bird fees/plicin of the non-patcible water sources. Real ends, these requirements do not apply to nocks, plants, solid, or products that are alwaged, neured or relational data by 1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/		
	Der Mar.R. Sustainable Diese infasturetig füh jetet es ein menderstern of new products for UF-561 Landscape Master Phin Project, which is exekting certification via Besturated Beste Infasturetig (SITESB). SITES offens a comprehensive rafing system designed to distrigute usualizable attes, neasure their performance, and elevate the viable of Infasturetig (SITESB). SITES offens a comprehensive and system designed to distrigute usualizable attes, neasure their performance, and elevate the viable of Infasturetig (SITESB). SITES offens a comprehensive and system designed to distrigute usualizable attes, neasure their performance, and elevate the viable of Infasturetig SITES of Attes (Sites Site). SITES offens a comprehensive and certification inc. (GEC) and more information about the program (including a free downnaud of the INTES V Attas) System and Sociecture II an available attras usualizable levit. Society of SI: Sites offens and society attrastication inc. (GEC) and more information about the program (including a free downnaud of the INTES V Attas) System and Sociecture II an available attrast usualizable levit. Society of SI: Sites of the Interview II and the Interview III and IIII and IIIII and IIII and IIIII and IIII and IIIIII and IIIII and IIIIIIIIII	Penetration of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local Penetration of hazardous and non-hazardous wate (per U.S. Resource Conservation and Recovery Act or local Penetrose gas emissions: Emissions reports demonstrating that the three (1) lowest aware (per unit of product) (for resource the formation of the last herethyle (c) penetrose that the hard (c) penetrose and the heret (c) lowest aware for cathoo missions in the resource the formation of the last herethyle (c) penetrose that the hard (c) penetrose that the here (c) (by ear waneg (per unit of product) (for resource the formation of the last herethyle (c) penetrose that the hard (c) penetrose that the here (c) (by ear waneg (per unit of product) of the left). Reduced many plants that hard (c) penetrose that the hard (c) penetrose that the here (c) (by ear waneg (per unit of product) of the left). Reduced many plants that hard (c) penetrose that the hard (c) penetrose that the hard (c) penetrose that the here (c) penetrose the here (c) penetrose that the here (c) penetr		
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NDS Inc.



October 11, 2021

NDS Inc.

21300 Victory Blvd #215, Woodland Hills, CA 91367

Dear NDS Inc.

Your organization is nearling the lates as neurolators of new products for UH-665 Landscape Master Plan Pagest which is evelop, setting and factors via the Subanable Sites Instantiate (SITES). Site 25 composition rating system designed to distinguish estimative lists, nearling setting data and elevate the value of function.games. It is administened by the Green Business Certification Inc. (EGC) and more information about the program (including a free download of the TISC V Rating System and Socience) is a smalled as environmentalitelises.com

SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using mater from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disc sustainable practices for all new products used for this project, in at least one of the following ways, by:

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
- Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the compa ny's performance metrics in the following categories:

~					
0	Lise of	enermy	water	and	tovice

- Releases of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes 0
- ŏ

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>datech</u> any@ufl.edu by 1/17022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

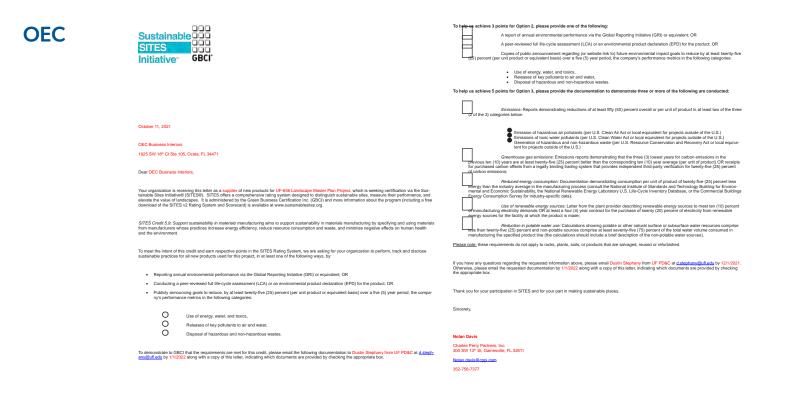
achieve 3 points for Option 2, please provide one of the following: To h A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of public announcement regarding (or website link to) future environmental impact goals to reduce by at least twenty-five r unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: Use of energy, water, and toxics,
 Releases of key pollutants to air and water,
 Disposal of hazardous and non-hazardous wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted: Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below: Permission of hazardous air politisatis (per U.S. Ciene hir Art of to mod equivalent for projects outside of the U.S.) Emissions of two water politamic (per U.S. Caene Water Art or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous waste (per U.S. Resource Conservation and Recovery Act or local equiva-lent for projects outside of the U.S.) Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the n (10) years are at least twenty-five (25) percent better than the corresponding ten (10) year average (per unit of product) OR receipts ed carbon diffest from a leagity binding trading system that provides independent third-party verification for twenty-five (25) percent onsumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent less the manufacturing process (consult the National Institute of Standards and Technology Building for Environ the National Renewable Energy Laboratory U.S. Lite-Cycle Inventory Database, or the Commercial Building Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent electricity demands OR at least a tour (4) year contract for the purchase of twenty (20) percent of electricity from renewable or the facility at which the product is made; Reduction in potable water use: Calculations showing potable or other natural surface or subsurface water resources comprise enty-five (25) percent and non-potable sources comprise at least seventy-five (75) percent of the total water volume consumed in gn the specified product line (the calculations should include a brief description of the non-potable water sources).

Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distephany@ull edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the annovariate have

Thank you for your participation in SITES and for your part in making sustainable places.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



Oldcastle Infrastructure	Sustainable SITES Initiative [®] GBCI [®]	To help-en achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Gobal Reporting Initiative (GRI) or equivalent; OR A peer reviewed ful III-cycle assessment (LCA) on environmental product declaration (EPD) for the product; OR Copies of public announcement regarding (or website link to) future environmental impact gobal to reduce by al lasat entropy of the equivalent status) over a thre (5) year period; the company's performance medica in the following categories:
		Use of energy, water, and toxics, Relassed keys pollutant to all and water, Relassed keys pollutant to all and non-hazardous watetes. To help us achieve 5 points of Orgonics A glessa provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emission: Reports demonstrating reductions of at least thy (50) percent overall or per unit of product in at least two of the <u>Emission: Reports demonstrating reductions of at least thy (50) percent overall or per unit of product in at least two of the</u>
	Oldcastle Infrastructure	Emission of hazardous air collutants (cer U.S. Clean Air Act or local equivalent for projects outside of the U.S.)
	12300 Presidens Ct, Jacksonville, FL 32220 Dear Oktoasife Infrastructure.	equivalent for projects outside of the U.S.)
	Your organization is received this letter as a sumplier of new products for UE-RS6 Landscape Master Plan Project, which is seeking pertification via the Sustain-	Creations gas emissions: Emissions reports demonstrating that the three (3) lowest years for canton emissions in the precisions that the three (3) powers the canton emissions in the receipts for purchased canton diffest that therefore, (5) powers the three that be composing the prior (10) years are get (will be prior) and (20) powers the three that the composing the prior) will be canton emissions for the canton emission in the receipts for purchased canton diffest that therefore, (25) powers the three that the prior) will be prior to the three three that the prior of the prior the three three the prior the three
	able Siles Initiative® (ETES9), SITES offee a comprehensive rading system designed to disriputation buschnickle eites, measure their performance, and elevate the value of indicates. It is administered by the Oreen Busches Certification in: (BOC) and more information about the program (including a free download of the SITES v2 Rading System and Scorecard) is available at www.sastainableates.org.	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-leve (25) percent tests energy than the industry wereging in the manufacture generates consumption per unit of product and the storage labeling for a storage of the storage of the manufacture generates consumption per unit of product and the storage labeling of the storage of the commercial Buildings Energy Consumption Survey for industry-specific data).
	STREC Proved F.S. Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures wrose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Use of renewable energy sources t tests from the plant provider describing energy about to the order and the provider describing electricity demands OF at leasts also (d) years contract for the purchase of them?) (20) percent of electricity from renewable energy sources to the facility at which the product is made; percent sources to the facility at which the product is made; Reduction to noblem water use; Cachadianos at howing obtailed or other natural sufface or suburdice water resources concrete
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sus- tainable practices for all new products used for this project, in at least one of the following ways, by:	Reduction in potable water use: Calculations showing potable or other natural surface or subaurface water resources comprises when them type: (25) percent and monopotable sources comprises are saveres/here (25) percent of the todu kater volume consumed in manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources). Plasse note: these requirements do not apply to rocks, plants, soils, or products that are savaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distephany@ufl.edu</u> by 12/1/2021. Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided
	Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product QR Publicly amouncing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:	by checking the appropriate box.
	O Use of energy, water, and toxics,	Thank you for your participation in SITES and for your part in making sustainable places.
	Release of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes.	Sinceraly,
	To demonstrate to GBCI that the requirements are ned for this credit, please small the following documentation to Dualin Stephany from UF PDAC at <u>distribu- regiment add</u> by U1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Notan Davis Citades Peny Partners, Inc. 300 SV 117 St. Ganeweller, FL 32511 Notan dawie group com 352-758-7377
O'Steen Brothers	Sustainable SITES Initiative GBCI	To help-up achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A per-trevered full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of public announcement reparading or veabules into ly luture environmental impact goals to receive by at test metryh-five (35) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categorise: Use of energy, water, and toxics. Use of energy, water, and toxics. Use of energy, water, and toxics. Deposal or flocarations are water. Deposal or flocarations are water. Deposal or flocarations are water. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate thee or more of the following are conducted:
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:
	O'Steen Bros, Inc 1006 SE 4* St, Ganesville, FL 32601	Emission of basedoes all polluterate (prv U.S. Clean Ai Ar of a focal sequence for protected custals of the U.S.) Emissions of taxic weeks (Clean Market (prv U.S. Clean Ai Ar of a focal sequence for protected custals of the U.S.) Generation of basedoes and non-basedoes waste (per U.S. Resource Conservation and Recovery Act or local equivalent for projects custals of the U.S.)
	Dear O'Steen Box,	Screenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the previous ten (10) years are at least twenty-live (25) percent before than the corresponding ten (10) year average (per unit of product). The (25) percent devices that the second seco
	Your organization is receiving this letter as a provider of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the Sustain- able Sible Initiative (CITES9). SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate he value of landscape. It is administened by the Certer Busiese Certification in (GEC) and more information about the program (including a free download of the SITES V2 Rating System and Scorecard) is available at www.austainablesites.org.	Percent of caralon emissions: Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-the (25) percent resistance of the energy than the industry everage in the manufacturing process (consult the National Institute of Standards and Technology Building for Environmental and Economic Sustainability, the National Renerable Energy Laboratory U.S. Lile-Cycle Inventory Database, or the Commercial Buildings Energy Consumption Survey for industry specific data).
	SITES Ordif 5.9 Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Use of researable energy sources: Later from the plant provided describing rereveable energy sources to meet the (10) protect of manufacturing electricity demands for all tests as four (4) sources to orthard for the purchase of twenty (20) percent of electricity from zereveable energy sources for the facility at which the product is made; Reduction in possible water use: Calculations showing potable or other natural surface or subsurface water resources compties less than therefty-five (25) percent and non-potable sources compties at less servery.five (75) percent of the total water volume
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sus- tainable practices for all new products used for this project, in at least one of the following ways, by:	consumed in manufacturine (LZ) period product the (the calculations should include a brief description of the non-radiate water sources). <u>Please note:</u> these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing ogals to reduce, by at least twerty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following calegories:	If you have any questions regarding the requested information above, please ernal Duatin Stephany from UF PDBC at <u>d stephanytical edu</u> by 12/1/2021. Otherwise, please ernal the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	O Use of energy, water, and toxics.	Thank you for your participation in SITES and for your part in making sustainable places.
	Cost of mining water, and a dutation. Releases of the youthants to all and water, Disposal of hazardous and non-hazardous wastes.	Sincerely,
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>database</u> registrates by 1172022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Nolan Davis Charles Perry Partners, Inc. 300 SW 137 SL Ganesville, FL 32611 Nolan divis fitogol com 355:756-7377

Peak Racks	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR A peer-reviewed Nil III-cycle assessment (CLA) or an environmental product declaration (EPD) for the product, OR Copies of points connocement regrating (or weblie live ho) thare environmental impact paits to product or point site with the set of the point of t
	October 11, 2021	Emission: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (if of the 3) categories below:
	<text><text><text><text><text><text><list-item><list-item><list-item></list-item></list-item></list-item></text></text></text></text></text></text>	<form><form><form><form><form><form><form></form></form></form></form></form></form></form>
Permaloc	<image/> <form></form>	To help we achieve 3 points for Option 2, please provide one of the following:

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
- Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:

 - O
 Use of energy, water, and toxics,

 O
 Releases of key pollutants to air and water,

 O
 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>disteph-any@utl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

Please note; these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.

Thank you for your participation in SITES and for your part in making sustainable places.

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>datephany@uff.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.



Perry Roofing	Sustainable	To hele us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent, OR A peer-reviewed ful life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product. OR Copies of public ennouncement regarding (or website link to) hume environmental inpact goals to reduce by at least categories:
		Use of energy, water, and toxics, Relaces of key pollutaria to air and water, Relaces of key pollutaria to air and water, Daposal of hazardova and non-hazardova wates. To help us achieve 5 points or Orgino 3, plesse provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the mme (2 of the 3) categories: below:
	Peny Roofing 2505 NW 71° PL, Gainesville, FL 32653	Emission of haravefour all politikants (por U.S. Chern Mir AH or foot) explanation for projects studied of the U.S.) Emissions of thick-states politikants (por U.S. Chern Weiter Af or food) explanation for project studied of the U.S. Generation of hazardous and non-hazardous waiter (por U.S. Resource Conservation and Recovery Af or direct
	Dear Perry Rooling,	equivalent for projects outside of the U.S.). — equivalent for projects outside of the U.S.) — expenditure germaintices: Environmentating that the three (3) bysed years for carbon reinsidice in the providua ten (10) years are at least tenry for (25) percent better than the corresponding ten (10) year arearge (per unit of product) receptor for purchased carbon offset from a legitly binding trading system. That provides inserted in this provide system of the U.S.)
	Your organization is reactivity that are as suggeter of new products for UF-661 Landscope Matter Plan Project, which is seeking certification in the Sustain- able Siles Initiates (SITESI). SITES Gene a comprehensive rating system designed to distinguist sustainable less, measure their performance, and deviate the value of landscopes. It is administered by the Gener Business Certification Inc. (ISEC) and more information about the program (including a tree download of the SITESC V ending System and Concentration Single V end wave substatiablestics regulated by the program (including a tree download of the SITESC V ending System and Concentration Single V end wave substatiablestics regulated by the single Site Site SITESC V ending a tree download of	Parcent of cashon emissions; Reduced energy consumption: Documentation demonstrating consumption per unit of product of herehy-five (25) percent this energy han the industry average in the manufacturing process (consult the National Institute of Standards and Technology Building for Environmental and Economic Sustainability. In National Revealed the Envirol Judiced for U.S. Life-Orch Immerivo Database, or the Commercial
	SITES Credit 5.9. Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from minufactures whose practices increase energy efficiency, reduce resource consumption and wasts, and minimize negative effects on human health and the environment.	Buildings Energy Consumption Survey for industry-specific data); Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) Percent of narmafacturing electricity demands CR at least a four (4) ware contract for the purchase of twenty (20) percent of electricity from angewable energy sources for the facility at which the product is made;
	To meet the intent of this oredit and earn respective points in the STESR atting System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Reduction in potable water use: Calculations showing potable or other natural sufface or subsurface water resources comprise less than twenty-rhough (CS) percent and non-potable sources comprise al less avenue). How (CS) percent of non-potable sources comprise al less avenue). How (CS) percent of non-potable sources comprise al less avenue). How (CS) percent of non-potable sources) are specified (or potable comprise) and the superial less avenue). Example comprise requirements do not apply to rock, prints, soliv, or products that are subsurface or refurbative.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR	
	 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; CR Publicly amounting goals to reduce, by all teast twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance methols in the following categories: 	If you have any questions regarding the requested information above, please email Duatin Stephany from UF PDRC at a <u>stephany 30.4 edu</u> by 12/12/021, Diversite, please email the requested documentation by 11/12/022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	O Use of energy, water, and toxics,	Thank you for your participation in SITES and for your part in making sustainable places.
	Releases of key pollutants to air and water, Deposal of hazardous and nor-hazardous westes.	Sincerely,
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>dataphany</u> w@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Notan Davis Charles Peny Partners, Inc. 300 SW 13 ³³ St. Ganeswide, Fl. 32611 Notan dawig davis con
		362-756-7377
	222	
Pine Hall	Sustainable 000	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
Dutate	SITES	A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
Brick	Initiative" GBCI	Copies of public amouncement regarding (or website link to) hume environmental impact goals to reduce by all least membry-the (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:
		Lise of energy, water, and toxics, Release of key pollutaria to an and water, Deposit of hazardous and non-hazardous wastes. To help us achieve 5 points of or Quino 3, please provide the documentation to demonstrate three or more of the following are conducted:
	Ocober 11, 2021	Emissions: Reports demonstrating reductions of at least tifly (50) percent overall or per unit of product in at least two of the trace (2 of the 3) categories below:
	Pine Hall Brok 2701 Shorefair Dr WV, Winston-Salem, NC 27105	Entraction of hazardous air politikatis (prv U.B. Clean AF And to local equivalent for projects coulded of the U.S.) Entractions of back-attery projects and provide the second provide provident for projects coulded of the U.S.) Generation of hazardous and non-hazardous avails (per U.S. Resource Conservation and Recovery Act or local equivalent for projects coulde of the U.S.)
	Dear Pine Hall Brick,	Privices then (10) years are all least teels/view (25) percent before them to corresponding ten (10) years are entitle or the corresponding ten (10) years are entitle or the corresponding ten (10) years are entitle ten and tender) brieflicht tenden tenden tender tenden tenden tender tende
	You organization is nearing this latter as a namehatane of new products for UF-0561 Landscape Master Piers Preject, which is easing methation via the businande8 Bise Institutevia (DTERS). SITES offers a comprehensive rating system designed to distinguis statistantial biter measure their performance, and elevate the value of entities via administered by the Green Business Certification Inc. (BGD) and more information about the program (including a free download of the STE's V2 Rating System and Scoreading I) available at www.satantabeates.com	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent that energy than the industry average in the manufacturing process (consult the Nikorau Institute of Standards and Technology Buldamic of an Buldions Energy Computing Standards (Standards Standards St

SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR
- Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:

 - O
 Use of energy, water, and toxics,

 O
 Releases of key pollutants to air and water,

 O
 Disposal of hazardous and non-hazardous wastes.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d stephany</u> goal edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Sincerely,

respectively sources for the tacity at write-use p-woments of the tacity at write-use p-woments of the tacity at write-use p-woments and the tacity at write-use tacity at the tacity at tacity at the tacity at the tacity at tacity at the tacity at tacity at tacity at the tacity at tac tac t

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PDBC at <u>disterbany(bull edu</u> by 121/2022). Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the spectralized above.

Please note; these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.

Sustainable **Rain Bird** Noints for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR GBCI. Initiative" Copies of public announcement regarding (or website link to) future environmental impact goals to reduce by at least twenty-five nt (per unit product or equivalent basis) over a five (5) year period. The company's performance metrics in the following categories: Use of energy, water, and toxics, Releases of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted: Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three 1/2 of the 3) categories below. October 11, 2021 Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of huzardous and not-huzardous wastle (per U.S. Resource Conservation and Recovery Act or local equiva lent for projects outside of the U.S.) Rain Bird Corporation 6991 E Southpoint Rd Bldg 2, Tucson, AZ 85756 Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the years are at least twenty-/her (25) percent better than the corresponding ten (10) year average (per unit of product) OR receipts thon offlests from a legally binding trading system that provides independent third-party writification of twenty-five (25) percent Dear Rain Bird Corporation. Your organization in receiving this letter as a manufacture of new products for UF-650 Landscapes Master Plan Project, which is seeking and the control of the Salandaka Bobs Master (STES) Salandaka Bobs Master (STES) Salandaka Bobs Master (STES) Salandaka Salandaka Master (STES) Sal ced energy consumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent less ry average in the manufacturing process (consult the National Institute of Standards and Technology Building for Environ-Sustainability, the National Renewable Energy Laboratory U.S. Life-Optie Inventory Database, or the Commercial Building Reduc Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) perc electricity demands OR at least a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable for the facility at which the product is made; SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the previous section of the section o Reduction in potable water use: Calculations showing potable or other natural surface or subsurface water resources comprise enly-live (25) percent and non-potable sources comprise at least sevenly-live (75) percent of the total water volume consumed in ng the specified product line (the calculations showing include a brief description of the non-potable water sources). To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by: Please note; these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished. If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distephany@uff.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the anomorphis have a second and a second a second and a second a seco Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: Thank you for your participation in SITES and for your part in making sustainable places. 0 Use of energy, water, and toxics, 0 0 Releases of key pollutants to air and water Nolan Davis

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>datech-</u> any@ufl.edu by 1/17022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Sustainable SITES Initiative GBCI	To help-up achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent, GR A peer reviewed that life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; GR Copies of public announcement regarding (or website link to) future environmental impact goals to reduce by at least twenty-five (Cb) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:
	Use of energy, water, and toxics, Research divergo fluctions to and matter, Disposed of hazardous and non-hazardous wates. To help us achieve 5 points for Options. J classes provide the documentation to demonstrate three or more of the following are conducted:
October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:
Rainbow Cabinets 4690 NE 35° SI, Ocala, FL 34479	Emission of hazardous air pollutaris (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) Emissions of toxic water pollutaris (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous wastle (per U.S. Resource Conservation and Recovery Act or local equiva- tient for projects outside of the U.S.)
Dear Paritow Cabinets, Your organization in nonking this later as a manufacture of new products by UP-692 Laterbacks Matter Plan Project which is seeing ordification via the Saturable. State initiative TSTESSI, STES offers a completeness range gettern degrees to address the laterback matter that product accurate and events the visit of inductors, it is an environment of new products by UP-692 Laterbacks Matter Plan Product which is evening ordification via the saturable. The product of the product inductors and the product inductors and the product inductors and and events the visit of inductors, it is an environment of new products by UP-692 Laterbacks Matter Plan Product which is evening ordification via the saturable of the product inductors and the product inductors and the product inductors and the product inductors and the product inductors and and events the visit and inductors. It is an environment of the visit of the product inductors are an environment of the product inductors and the productor inductors are an environment of the productor inductors are are an environment of the productor inductors are an environment of the productor inductors are an environment of the productor inductors are are an environment of the productors are are are an environment of the productors are are are an environment of the productors are	Generhouse gas emissions: Emissions reports demonstrating that the three (1) over years for cathon emissions in the proclosus for (1) years are all the threshydw (2) gonoral befort that the componding (in (1)) year areage (or unit of ordex1) OR recepts the strategies of the strat
free download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesite.org. SITES Oxelf 5.9 Support austainability in materials manufacturing aims to support austainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Evergy Consumption Survey for industry-specific data): Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent of manufacturing electricity demands OR at least a low (4) year contract for the purchase of twenty (20) percent of electricity demands parenty sources for the facility at which the product is made; Reduction in public weak weak clucifications showing potable or other natural surface or subsurface water resources comprise this than twenty-time (20) percent and non-potable water weak clucitories at least seventy-file (75) percent of the taki water volume consumed in manufacturing the specified product in (the clucitations showing include as the description of the monophable water use).
To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	realization of the second
 Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR Conducting a peer-reviewed full life-cycle assessment (ILCA) or an environmental product declaration (EPD) for the product; OR Publicity announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>distribuny@uf.edu</u> by 12/1/2021. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box. Thank you for your participation in SITES and for your part in making sustainable places.
Use of energy, water, and toxics, Releases of key pollutants to air and water, D Disposal of hazardous and non-hazardous wastes.	Sincerely,
To demonstrate to GBC! that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PO&C at <u>dustoch- anyribul edu</u> by 1172022 along with a copy of this letter, indicating which documents are provider by checking the appropriate box.	Notan Davis Charles Pery Pattors, Inc. 300 SW 13% SQ. Gainevelle, FL 32511 Notan direki Bogoi com 352-756-7377

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377



Rainbow

Cabinets

Sanderson Pipe	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed MIII IIIe-sycie assessment (LCA) or an environmental product detaination (EPD) for the product; OR Copier of public announcement regreding (or weaking the total bare and the company's performance metrics in the following extends-the (55) percent (per unit product or equivalent base) over a five (5) year period, the company's performance metrics in the following categories: • Use of energy, water, and toxics,
		Releases of key pollutants to air and water, Disposal of harazonas and non-harazonus wastes. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three (2 of the 3) categories below:
	Sanderson Pipe Corporation 1 Enterprise Bird, Sanderson, FL 32087	Emission of hazardous dir pollutaria (per U.S. Clean Air Act or local equivateri for projects outside of the U.S.) Emission of toxic: water pollutarias (per U.S. Clean Water Act or local equivaters for projects outside of the U.S.) Generation of hazardous and non-hazardous water (per U.S. Resource Conservation and Recovery Act or local
	Dear Sanderson Pipe Corporation,	equivalent for projects datased of the U.S.). Providua en (10) years are at least twenty-five (25) protein before than the organization (and the harms (2)) prover years for cathon emission in the providua en (10) years are at least twenty-five (25) protein before than the corresponding ten (10) years average (per suit of product) OR receipts for purchased action offers from a leagely indiring tangle system. This provides in dispendent third provides (per suit of product) OR receipts for purchased action offers from a leagely indiring tangle system. This provides indirectly verification for twenty-five (25)
	Your organization is receiving this later as a manufacturer of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the Sustainable Sites Initialityell (SITES9). SITES offers a comprehensive rating system designed to distinguish sustainable alter, measure their performance, and elevate the value of landscapes. It is administented by the Green Business Certification Inc. (GEO) and more information about the program (including a free download of the SiTES V Rating System and Socrect oi) is usable at www.sustainable.elex.cs	percent of carbon emissions;
	SITES Credit 5.9 Support sustainability in materials manufacturing arms to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) placent of manufacturing electricity demands OR at least a four (4) year contract for the purchase of twenty (20) percent of electricity from any enable energy sources for the facility at which the product are made.
	To meet the intent of this credit and earn respective points in the STES Rating System, we are saking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in all least one of the following ways, by:	Reduction in possible water uso: Calculations showing possible or other natural substrates water resources comprise tests than interventive (22) porcent of a non-possible sources comprise at least setting the specified product the type and the calculations at least sources (100 million). Possible comprises the same source intervention of a possible source (100 million). Possible comprises the same source (100 million) and (100 million) as and (100 million). Possible comprises the same sources (100 million) and (100 million) and (100 million) and (100 million). Possible comprises that are same sources (100 million) and (100 million) and (100 million) and (100 million). Possible comprises that are same sources (100 million) and (100 million) and (100 million).
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR Conducting a peer-reviewed fuil life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product declaration (EPD) for the product; OR	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@uff edu</u> by 12/1/2021. Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	performance metrics in the following categories:	Thank you for your participation in SITES and for your part in making sustainable places.
	Uleo of energy, water, and toxics, Releases of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes.	Sincerely,
	To demonstrate to GBCI that the requirements are not for this credit, please email the following documentation to Duate Stephany from UF PD&C at <u>datacher</u> <u>auguit edu</u> by 17/2002 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Nolan Davis Onarles Perry Partners, Inc. 300 SW 119 ⁵ St. Gameswide, FL 32611
		Notan davis (B. cpc). com 352-756-7377
Sesco Lighting	Sustainable	To help-up achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent. GR A peer-reviewed kull the-cycle assessment (LCA) or an environmental product declaration (EPD) for the product. OR Copies of public announcement regarding (or websile link to future environmental product declaration (EPD) for the product. OR Copies of public announcement regarding (or websile link to future environmental impact goals to reduce by at least categories: . Use of energy, water, and toxics, . Reseases of the goldmatts to air and water. . Disposal of huzardous and non-huzardous wastes. To help us achieve 5 points for Option 4. These services the following are conducted:
		Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the time (2 of the 3) categories below:
	October 11, 2021 Secio Lighting 9250 Raymeadows Rd #350, Jacksonville, FL 32256 Dear Sesso Lighting,	Emission of hazardous all poliusarie (per U.S. Clean Alr Act or local equivalent for projects outside of the U.S.) Emission of four: water poliutents (per U.S. Clean Alr Act or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous water (per U.S. Resource Conservation and Recovery A cor local equivalent for projects outside of the U.S.) Generation and analyze the transmission of the the transmission of the three (J) lower average (per unit of policit) (Per provicus lent (ID) years are at least twenty-five (25) percent before than the corresponding ten (10) years average (per unit of policit) (Per receipts for purchased and non-hazardous system has provide independent third-policy werefraction for twenty-twe (25)
	Your organization is nearing this letter as a supplier of new products for <u>UF-656 Landscape Master Plan Project</u> , which is seeking certification via the Sustain- bies Siles Initiative® (SITSS9), SITES offers a comprehensive rating system designed to distinguish sustainable ales, measure their performance, and elevan the value of landscapes. It is administered by the Green Business Certification Inc. (GBC) and more information about the program (including a free download the SITES VE Attracy System and Socreard) is available at www.sustainablester.org.	prevent of caston emissions; prevent of caston emissions; rest of caston emissions;
	STES Ordef 5.9 Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Use of relevable energy sources: tester from the plant provider describing relevable energy sources to meet ten (10) protect of manufacturing electricity demands RA least at low (19) year contract for the purchase of twenty (20) percent of electricity from anewable energy sources for the facility at which the product is made: Reduction in potable weter use-Calculations showing potable or other natural surface or subsurface water resources comprise less than twenty-five (25) percent and non-potable sources comprise at least sevently-five (75) percent of the total value volume
	To meet the intent of this credit and earn respective points in the STES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	consumed in manufacturing the specified product line (the calculations should include a trief description of the non-potable water sources). <u>Please note</u> : these requirements do not apply to nocks, plants, soils, or products that are salvaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR Conducting a peer-reviewed fuil life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company	If you have any existions regarding the requested information down, please email Dualts Stephany from UF PDLC at <u>distortance@ull.or.</u> 12/2/2021 Otherwise, please area the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	performance metrica in the following categories:	Thank you for your participation in SITES and for your part in making sustainable places.
	Geo et energy, water, and toxos, Reteases of key polutaritis to air and water, Disposal of hazardous and non-hazardous wates.	
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>dataphane</u> International by 1/1/2022 along with a copy of this letter, indicating which documents are provided by theology the appropriate box.	Notan Davis Chandes Prop Posterse, Inc. 300 SW 15° St, Gamesville, FL 32611 Notan david Bopsi com 325:75° 7377

243

Sherwin- Williams	Sustainable	To help we achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LOA) or an environmental product declaration (FDP) for the product; OR Copies of public announcement engrating (or steahibit line of hadre environmental inpad goals to reduce by at least them-th-free (G) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: Use of energy water, and toncia, B ensess of two pollutaries of an and water. D topies of applications and non-hazardous water. To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted: Control of the 3) categories demonstrating reductions of at least fity (50) percent overall or per unit of product in at least two of the three
	October 11, 2021	Enviroison of hazandous air poliutante (per U.S. Clean Air Ad or local squivalent for projects outside of the U.S.) Enviroison of toxics evalue poliutante (per U.S. Clean Naire Ad or local equivalent for projects outside of the U.S.) Generation of hazandous din on-hazandous averation (per U.S. Response) Conservation and Resouvery Ad or local equiva-
	Sherwin-Williams 101 W Prospect Ave, Cleveland, OH 44115	lent for projects outside of the U.S.) Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the
	Dear Sherwin-Williams,	privious ten (10) years are at least twenty-live (25) percent better than the corresponding ten (10) year average (per unit of product) OR receipts for purchased carbon offests from a legally binding trading system that provides independent third-party verification for twenty-live (25) percent of carbon emissions;
	Your organization is receiving this letter as a manufacturer of new products for UF-650 Landscape Master Plan Project, which is seeking certification via the Statianable Sites Initiatived (SITESB), SITES offers a comprehensive rating system designed to distinguish satisfiandle sites, measure they reformance, the download of the SITES 37 Ratio System and Socregarile as eatibility and wavaitamathetistics, and once information about the program (recluding a free download of the SITES 37 Ratio System and Socregarile) as eatibility at wavaitamathetistics, or source and the SITES 37 Ratio System and Socregarile as eatibility at wavaitamathetistics, or source and the SITES 37 Ratio System and Socregarile as eatibility at wavaitamathetistics, or source and the SITES 37 Ratio System and Socregarile as eatibility at wavaitamathetistics, or source and the SITES 37 Ratio System and Socregarile as eatibility at wavaitamathetistics, or source and the SITES 37 Ratio System and Socregarile as eatibility at wavaitamathetistics, or source as a source as a source of the SITES 37 Ratio System and Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio System and Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile as a source of the SITES 37 Ratio Socregarile	Reduced energy consumption: Documentation demonstrating consumption per unit of product of twenty-fwe (25) percent less every the industry averagine in the manufacturing process (consult the National Institute of Standards and Technolog Building for Environ- mental and Economic Sustainability. Ihe National Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildings Energy Consumption Survey for Industry-apecilic data); Use of remeable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent
	ST/ES Credit 5.9. Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials in the conductor of the subscription of the subscription of the subscription and water, and minimize negative effects on human health and the environment,	Introductivity electricity demands RR at least a tour (4) year contract for the purchase of twenty (20) percent of electricity from renewable energy sources for the facility at which the product is made; Reduction in potable water use: Calculations showing potable or other natural surface or subsurface water resources comprise eless than twenty-five (25) percent and non-potable sources comprise at least seventy-five (75) percent direction at the output of the total water volume consumed in manufacturing elevations showing notable on the direction of the total water volume consumed in manufacturing the second percent and non-potable sources.
		Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	
	Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephanyBuff.edu</u> by 12/1/2021. Otherwise, please email the requested documentation by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	 Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR 	
	 Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories: 	Thank you for your participation in SITES and for your part in making sustainable places.
	O Use of energy, water, and toxics,	Sincerely,
	O Releases of key pollutants to air and water,	
	O Disposal of hazardous and non-hazardous wastes.	Nolan Davis
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at datech-	Charles Perry Partners, Inc. 300 SW 13 th St, Gainesville, FL 32611
	anv@ufl.edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Nolan.davis@cppi.com
		352-756-7377

Spec Mix	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LOA) or an environmental product declaration (EPD) for the product; OR Copies of phile announcement largeting for versibilit but to fulture environmental impact goals to enduce by at least twenty-file (c) percent (per unit product or equivalent basis) over a five (5) year period; the company's performance metrics in the following categories:
		Use of energy, water, and toxics, Reteases of key politaties to all and water, Disposit of maximum and environ/maximum wastes.
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:
	October 11, 2021	Emission: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three to of the 3) categories below.
	Spec Mx 1230 Eagun Industrial Rd, Eagun, MN 55121	Increases of characterized and polational generation of the second and an of host explanation for polarised and the U.S. () Emeration of hazardous and non-hazardous wastle (per U.S. Resource Conservation and Recovery Act or local equiva- lent for projects outlide of the U.S.)
	Dear Spec Mx.	Interview of the state of th
	Your organization is neeking this tetre as a supplier of new products for UF-656 Landscase Master Plan Project, which is seeking certification via the Su- tamaba Siles that shall shall be sufficient of the state of the second shall be sh	Reduced areagy consumption. Documentation demonstrating communition per unit of protuct of twenty-the (25) personnel tass mergy that he industry werge in the manufacturing process (consult the Naticaal Instates of Standards and Technolog Building for Environ- mental and Economic Statianability. The Matorial Revealed Entry Laboratory U.S. Like-Cycle Inventory Database, or the Commercial Buildings George Oroumption Survey of Instates specific data):
	STES Credi 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.	Use of renewable energy sources: Letter from the plant provider describing nerwable energy sources to meet the (1) por cent of manufacturing descript dynamics (R at least at least (1) por cent of the facility at which the product is made: anergy sources for the facility at which the product is made: Production in producting energy counces, the facility of the product is made: The facility in producting energy counces and the product is made: The facility of the facility at which the product is made: The facility of producting energy counces and the product is made to the production of the facility at which the product is made. The facility of producting energy counces and the production of the production of the production source is council to the facility of the facility of the productions should include a discluding should be producting the specified product is the facility of the facility of the productions should include a discluding should be producting the specified productions should include a discluding should be producting the specified product is the facility of the productions should include a discluding should be producting the specified product is the facility of the producting the specified product the the facility of the product should be producted and the product should be producted and the product should be producted and the product should be producted pr
	To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disclose sustainable practices for all new products used for this project, in at least one of the following ways, by:	Please note: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished.
	Reporting annual environmental performance via the Global Reporting Instative (GRI) or equivalent, OR Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's performance merics in the following categories:	If you have any questions regarding the nequested information above, please email Dusin Stephany from UF PDAC at <u>distectory/bulked</u> ob 1/21/2021. Otherwise, please email the requested documentation by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.
	Use of energy, water, and toxics, Releases of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes.	Sincerely,
		Nolan Davis
	To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>datest</u> : any@uti.edu by 11/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Charles Perry Partners, Inc. 300 SW 13 ^e St, Gainesville, FL 32611
		Nolen davis Ropci.com 352-756-7377



Spring
Precast



Sustaina SITES Initiative		To hele-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent, OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of public announcement regarding (or website link to) future environmental impact goals to reduce by at least categories:	
		Use of energy, water, and toxics, Releases of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes.	
		To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:	
October 11, 2021		Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the meter (2 of the 3) categories below:	
Spring Precast		Emission of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.)	
3782 US-280, Cobb,	GA 31735	Emissions of toxic water pollutants (per U.S. Clean Water Ad or local equivalent for projects outside of the U.S.) Generation of hazardous and non-hazardous wastle (per U.S. Resource Conservation and Recovery Act or local equivalent for projects outside of the U.S.)	
Dear Spring Precast,		Provide the set of	
Your organization is receiving this letter as a supplier of new products for UF-656 Landscape Master Plan Project, which is seeking certification via the Sustain- able Sites Initiative® (SITES6) SITES offers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and exeate the value of Indicases. It is administered by the Geree Business Certification in: (CeCI) and more information about the program (including a free download of the SITES v2 Rating System and Scorecard) is available at www.sustainablesites.org.		Reduced energy consumption: Documentation demonstrating consumption per unit of product of hearthy-five (25) percent ess energy than the industry average in the menufacturing process (consult the Mational Institute of Standards and Technology Building for Environmental and Economic Statistanbility, the balanced Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildings Energy Consumption Survey for industry-specific data);	
SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufactures whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment.		Use of renewable energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) Protect of manufacturing describing demands for all tests at our (1) year contract for the purchase of twenty (20) percent of electricity from approaches and the product is made;	
	this credit and earn respective points in the STES Rating System, we are asking for your organization to perform, track and disclose for all new products used for this project, in at least one of the following ways, by:	Reduction in ponable water use: Calculations showing potable or other natural surface or subsurface water resources comprise is man twenty-were (26) percent and non-potable sources comprise at least serverity were (75) percent of non-potable sources comprise at least serverity were (75) percent of non-potable sources comprise at least serverity were (75) percent of non-potable sources comprise at least serverity were (75) percent of non-potable sources comprise at least serverity were (75) percent of non-potable sources compared in manufacturing the specified product line (the calculations should include a brief description of the non-potable water sources). <u>Please note:</u> these requirements do not apply to tocks, plants, soils, or products that are salvaged, reused or refurbished.	
 Reporting an 	nual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR	If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at distertionary@ufliedu by	
Conducting a	peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR	12/1/2021. Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	
 Publicly anno performance 	suncing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the company's metrics in the following categories:		
		Thank you for your participation in SITES and for your part in making sustainable places.	
0	Use of energy, water, and toxics,		
0	Releases of key pollutants to air and water,	Sincerely,	
0	Disposal of hazardous and non-hazardous wastes.		
To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at disterba-		Nolan Davis	
ngentiation of open internet in the copy of this letter, indicating which documents are provided by checking the appropriate box.		Charles Perry Partners, Inc. 300 SW 13 ^e St, Gainesville, FL 32611	
		Nolan.davis @ cppi.com	
		352-756-7377	

SRM Concrete	Sustainable	To help-us achieve 3 points for Option 2, please provide one of the following: A report of annual environmental performance via the Global Reporting Initiative (GRI) or equivalent: OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product: OR Copies of public announcement agending for weblice link (k) fullure environmental inpact goals to enduce by at least methy-five (S) percent (per unit product or equivalent basis) over a tive (S) year period, the company's performance metrics in the following
		Use of energy, water, and toxics, Released key pollutants to air and water, Opportunits to air and water, Opportunits to air and water, To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted: Emissions: Records demonstration reductions of al least tithy (50) encord or per unit of product in at least two of the
	October 11, 2021	the (2 of the 3) categories below:
	SRU Concrete In 1983 SP Ace, Caneerview, FL 32009 Cere SPMC Concrete, SPMC Concrete, SPMC SPMC SPMC SPMC SPMC SPMC SPMC SPMC	Bindence is produced to produce (pro U.S. Clean Ar Ar to tool equivalence to projection curved on the 0.S. Section 2. Section 2
	Use of energy, water, and toxics, Releases of key pollutants to air and water, Disposal of hazardous and non-hazardous wastes. To demonstrate to GBCI that the requirements are met for this creat, please email the following documentation to Dustin Stephany from UF PD&C at <u>dateobar</u> registed edu by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.	Sincerely, Notan Davis Charles Perry Pathens, Inc. 300 SV1 13° SI, Gaineaville, FL 32611 Notan Andre Stope com 362-796-7377

Sustainable Sternberg Lighting GBCI **Initiative**[®] October 11, 2021 mberg Lighting 555 Lawrence Ave, Roselle, IL 60172 Dear Stemberg Lighting. Your organization is receiving this latter as a manufacturer of new products for UE-656 Landscape Matter Plan Project, which is seeking and/factors via the Sublamable Silber Indersoft SISTESD, SITES offers a comprehensive raiding system designed to distinguish austainable latter, and and elevate the value of functionages. It is administered by the Green Bautersa Certification in: (GBC) and more information about the program (including a fire download of the CITES v2 Raining System and Societaria) to available at wave sublamble tables, and elevate the top and the program (including a fire download of the CITES v2 Raining System and Societaria) to available at wave sublistantibeties.

SITES Credit 5.9: Support sustainability in materials manufacturing aims to support sustainability in materials manufacturing by specifying and using materials from manufacturers whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the surfacement hose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the surfacement hose practices increase energy efficiency.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking for your organization to perform, track and disc sustainable practices for all new products used for this project, in at least one of the following ways, by:

- Reporting annual environmental performance via the Global Reporting Initiative (GRI) or equivalent; OR
- Conducting a peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Publicly announcing goals to reduce, by at least twenty-five (25) percent (per unit product or equivalent basis) over a five (5) year period, the compa ny's performance metrics in the following categories:

~				
0	Use of ene	ergy, water,	and	toxics

- 0 Releases of key pollutants to air and water
- õ Disposal of hazardous and non-hazardous waster

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>disteph-any@ufl.edu</u> by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

Reduction in potable water use: Calculations showing potable or other natural surface or subsurface water resources compris enty-five (25) percent and non-potable sources comprise at least seventy-five (75) percent of the total water volume consumed in gn be specified product line (the calculations should include a brief description of the non-potable water sources). enote: these requirements do not apply to rocks, plants, soils, or products that are salvaged, reused or refurbished. If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>disterylary@ut.edu</u> by 12/1/2021 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the anomorphic her by Thank you for your participation in SITES and for your part in making sustainable places. Sincerely.

nts for Option 2, please provide one of the following:

Use of energy, water, and toxics,
 Releases of key pollutants to air and water,
 Disposal of hazardous and non-hazardous wastes

To help us achieve 5 points for Option 3, please provide the documentation to demonstrate three or more of the following are conducted:

mental performance via the Global Reporting Initiative (GRI) or equivalent; OR A peer-reviewed full life-cycle assessment (LCA) or an environmental product declaration (EPD) for the product; OR Copies of public announcement regarding (or website link to) future environmental impact goals to reduce by at least twenty-five runit product or equivalent basis) over a five (5) year period, the company's performance metrics in the following categories:

Emissions: Reports demonstrating reductions of at least fifty (50) percent overall or per unit of product in at least two of the three

Greenhouse gas emissions: Emissions reports demonstrating that the three (3) lowest years for carbon emissions in the quera set as theast twenty-five (25) protent better than the corresponding ten (10) year average (per unit of product) OR receipts ed carbon offsets from a legally binding trading system that provides independent third-party verification for twenty-five (25) percent.

ssion of hazardous air pollutants (per U.S. Clean Air Act or local equivalent for projects outside of the U.S.) ssions of toxic water pollutants (per U.S. Clean Water Act or local equivalent for projects outside of the U.S.) tertation of hazardous and non-hazardous waste (per U.S. Resource Conservation and Recovery Act or local equi for projects outside of the U.S.)

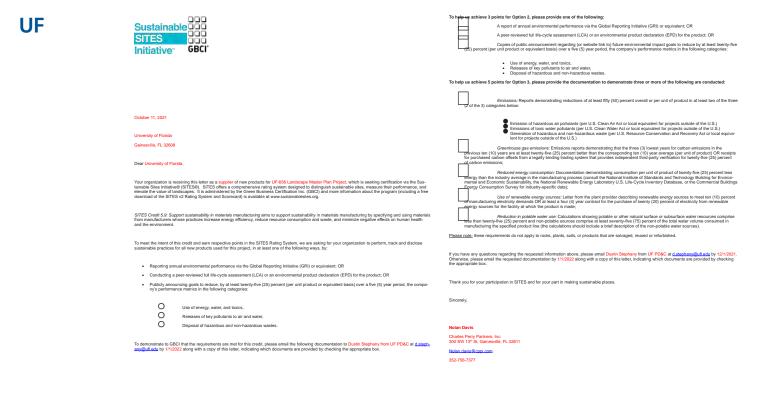
ed energy consumption: Documentation demonstrating consumption per unit of product of twenty-five (25) percent less average in the manufacturing process (consult the National Institute of Standards and Technology Building for Environ-statianability, the National Renewable Energy Laboratory U.S. Life-Cycle Inventory Database, or the Commercial Buildin very for industry-specific data);

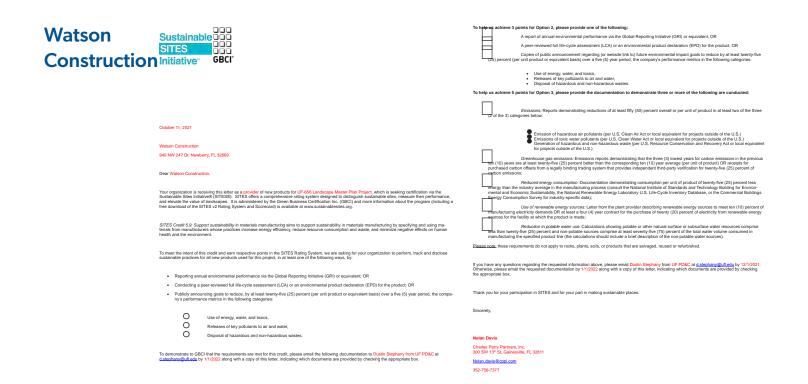
weakle energy sources: Letter from the plant provider describing renewable energy sources to meet ten (10) percent demands OR at least a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable y at which the product is made;

A report of annual envi

Generation lent for pro

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377





D. C5.10 Letters

Blooming House **Nursery**



October 11, 2021

Blooming House Nursery 11802 NW 39th Ave, Gainesville, FL 32606

Dear Blooming House Nursery.

tour organization is needing that letter as a provide providing plants for UE-SSE Landscape based many Tan Provide values is exeting conflictations and the base based based based to the section of the

SITES Credit 5.10: Support sustainability in plant production aims to support sustainable practices in plant production by purchasing plants, sod, and seet from organizations whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health soft the antimoment

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to perform, track, and disclose sustainable practices in plant production. These efforts may include:

- Reduction of potable water use: Use non-potable water (e.g., captured nainwater, recycled graywater, reclaimed/treated wastewater, water treated and conveyed by a public agency specifically for non-potable uses) for fifty (50) percent of the total annual irrigation volume OR reduce total irrigation volume by fifty (50) percent;
- 2. Reduction of runoff from irrigation: Capture and recycle all irrigation runoff water on site (i.e., no dry-weather discharges);
- Sustainable soil amendments / growing media: Use peat-free growing media or other sustainable sources AND use cover crops and amend soils with compost, manure, or other sustainable sources;

Organic matter recycling: Compost or recycle one hundred (100) percent of vegetation trimmings on site for use in nursery operations or for sale to the public;

- Waste reduction: Conduct a waste audit to identify the weight or volume of ongoing consumables, and reuse, recycle, or compost fifty (50) percent of the on-poing consumables waste stream:
- 6. Use of integrated pest management: Employ a certified Integrated Pest Management (IPM) practitioner OR use an IPM-certified nu
- 7. Prevention of invasive species: Demonstrate that invasive species are managed and are not distributed
- Reduced energy consumption: Demonstrate that energy use during the three (3) most recent years is at least twenty-five (25) percent less than the average energy use over the previous ten (10) years;



October 11, 2021

Cherry Lake Tree Farm 7836 Cherry Lake Rd, Groveland, FL 34736

Dear Cherry Lake Tree Farm.

Your organization is receiving the letter as a supplex providing plants for ULF-661 Landscape Masker Plan Project which is welding cellification in the Sub-tianable Site initiative (SITERS). SITE Site and comprehensive ranking system disarged to distinguish usualitable sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification inc. (RCD) and more information about the program (including a free download of the SITES V Rating System and Socrearce) is available at <u>www.submittahelites.cn</u>;

SITES Credit 5.10: Support sustainability in plant production aims to support sustainable practices in plant production by purchasing plants, sod, and seed from organizations whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the antimoment.

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to perform, track, and disclose sustainable practices in plant production. These efforts may include:

- Reduction of potable water use: Use non-potable water (e.g., captured rainwater, recycled graywater, reclaimed/treated wastewater, water treated and conveyed by a public agency specifically for non-potable uses) for fifty (50) percent of the total annual irrigation volume OR reduce total irrigation volume by fifty (50) percent;
- 2. Reduction of runoff from irrigation: Capture and recycle all irrigation runoff water on site (i.e., no dry-weather discharges)
- Sustainable soil amendments / growing media: Use peat-free growing media or other sustain compost, manure, or other sustainable sources; ces AND use cover crops and amend soils with
- Organic matter recycling: Compost or recycle one hundred (100) percent of vegetation trimmings on site for use in nursery operations or for sale to the public;
- Waste reduction: Conduct a waste audit to identify the weight or volume of ongoing consumables, and reuse, recycle, or compost fifty (50) percent of the on-going consumables waste stream:
- 6. Use of integrated pest management: Employ a certified Integrated Pest Management (IPM) practitioner OR use an IPM-certified nursery.
- vention of invasive species: Demonstrate that invasive species are managed and are not distributed
- Reduced energy consumption: Demonstrate that energy use during the three (3) most recent years is at least twenty-five (25) percent less than the average energy use over the previous ten (10) years;

Use of renewable energy sources: Use on-site renewable energy sources to meet ten (10) percent of electricity demands OR engage in at least four (4) year contract for the purchase of twenty (20) percent of electricity from renewable energy sources;

Safe and fair working conditions: Develop nursery employment policies that establish open communication with employees about issues such as workplace safety and job satisfaction.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at d.stephany@uft.edu by 1/f1/2022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

achieve 3 points for Option 2, please provide the following:

A publicly available sustainability statement disclosing efforts to achieve at least six of ten (6 of 10) sustainable practices in plant ction, listed above. To help us achieve 5 points for Option 3, please provide the following documentation to demonstrate that at least six sign in sustainable practices have been achieved:

	table water use: Calculations showing the use of non-potable water for fifty (50) percent of the total annual irrigation volume n total irrigation volume of at least fifty (50) percent, AND a brief description of the availability and sources of non-potable water n;
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Issues such as v	Safe and fair working conditions: Copy of the employment policy that establishes open communication with employees about vorkplace safety and job satisfaction.

Please note: If multiple businesses are involved in plant production, this request applies to the business that grows the plant material until it's ready for sale (finishes the plant material).

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Thank you for your participation in SITES and for your part in making sustainable places

Sincerely

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

352-756-7377

Nolan, davis @ copi.com

Use of renewable energy sources: Use on-site renewable energy sources to meet ten (10) percent of electricity demands OR engage in at least a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable energy sources;

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electricity from re	newable energy sources;

L	sues such a	Safe and is workplace	f fair working c safety and job	onditions: Copy of satisfaction.	the employm	ent policy	/ that estab	lishes open	commun	ication v	with emplo	oyees abo	ut
Please no	te: If multip	e businesses	s are involved i	in plant production,	this request	applies to	o the busine	ess that gro	ws the pla	int mate	erial until it	t's ready	for

<u>Please note:</u> If multiple business sale (finishes the plant material).

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ufl edu</u> by 12/12021 Otherwise, please email the requested documentation by <u>1/12022</u> along with a copy of this letter, indicating which documents are provided by checking the accordinate by

Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

Elixson Wood **Products**



October 11, 2021

Elixson Wood Products 18976 NW 84^e Ave, Starke, FL 32091

Dear Elixson Wood Products

Your organization is neckring the later as provider providing socialment for UE-661 Landscage Master Plan Project, which is service prediction via the Subanabase Biss Instantiated SITESID SI 10:55 dans a comprehensive ration gystem designed to distriguish astantiated later, manual tech preformance and elevate the value of landscages. It is administered by the Green Business Certification Inc. (BCD) and more information about the program (including the download of the TISS V Rating System and Sociectarii) is available at your subantifications.

SITES Credit 5.10: Support sustainability in plant production aims to support sustainable practices in plant production by purchasing plants, sod, and seed from organizations whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the amintometry of the second se

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- 2. Reduction of runoff from irrigation: Capture and recycle all irrigation runoff water on site (i.e., no dry-weather discharges);
- Sustainable soil amendments / growing media: Use peat-free growing media or other sustainable sources AND use cover crops and amend soils with compost, manure, or other sustainable sources;

Organic matter recycling: Compost or recycle one hundred (100) percent of vegetation trimmings on site for use in nursery operations or for sale to the public:

- Waste reduction: Conduct a waste audit to identify the weight or volume of ongoing consumables, and reuse, recycle, or compost fifty (50) percent of the on-going consumables waste stream;
- 6. Use of integrated pest management: Employ a certified Integrated Pest Management (IPM) practitioner OR use an IPM-certified ni
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- Reduced energy consumption: Demonstrate that energy use during the three (3) most recent years is at least twenty-five (25) percent less than the average energy use over the previous ten (10) years;

Half Moon Growers



October 11, 2021

Your organization is receiving hile letter as a provider providing plants for UF-661 Endetcape Matter Plan Project, which is seeking certification at the Sus-tanable Sites initiative (STESB). STES offers a comprehensive rating system designed to distinguish establishels estimates their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GRC) and more information about the program (including a free downad of the STES V Rating System and Socreard) is subtailed a traver subtainableities con-

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To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d_stephany@uft_edu</u> by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

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Please note: If multiple businesses are involved in plant production, this request applies to the business that grows the plant material until it's ready for sale (finishes the plant material).

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Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

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Sincerely,

Nolan Davis

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611 Nolan.davis@cppi.com 352-756-7377

249

To help us achieve 5 points for Option 3, pleas in sustainable practices have been achieved:

21704 SW 30th Ave, Newberry, FL 32669

Dear Half Moon Growers



October 11, 2021

Rode Groundcovers, Inc 13050 W Hwy 318, Williston, FL 3269

Dear Rode Groundcovers. Inc.

Your organization is reserving the latter as a provider providing plants for UL-665L andreage Master Plan Project, which is setting coefficiation in the Dis-trainable Sites Initiative Sites Initiative Sites and organizative rating system designed to distiguidate usualmake Initiative Initiative Sites Initiative

SITES Credit 5.10: Support sustainability in plant production aims to support sustainable practices in plant production by purchasing plants, sod, and seed from organizations whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the approximate

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October 11, 2021

Tater Farms 9350 Hastings Blvd, Hastings, FL 32145

Dear Tater Farms

Your organization is receiving this letter as a supplier providing and for UF-656 Landscape Master Plan Project, which is seeking cartification via the Sus-tianable Sites influences in the Susplice Site Sites and Sites and Sites and Sites Sites Sites Sites and Sites Si

SITES Credit 5.10: Support sustainability in plant production aims to support sustainable practices in plant production by purchasing plants, sod, and seed from organizations whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the automment

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Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611

352-756-7377

Molan,davis@cppi.com

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Thank you for your participation in SITES and for your part in making sustainable places.

Nolan Davis

Nolan.davis@cppi.com 352-756-7377

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Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

Charles Perry Partners, Inc. 300 SW 13th St, Gainesville, FL 32611

TNT **Nursery**



October 11, 2021

TNT Nursery 11802 NW 39th Ave, Gainesville, FL 3260

Dear TNT Nursery.

Your organization is reserving the latter as a provider providing plants for ULF-661 andreage Master Plan Project, which is setting coefficiation in the Dus-tionable Sites Initiative Sites Initiative Sites and organizative rating system designed to distinguish automative listes, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (EGD) and more information about the program (including a free download of the STES 22 Rating System and Socrearce) is available at grave usativativelises, and

SITES Credit 5.10: Support sustainability in plant production aims to support sustainable practices in plant production by purchasing plants, sod, and seed from organizations whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the approximate the approx

To meet the intent of this credit and earn respective points in the SITES Rating System, we are asking your organization to perform, track, and disclose sustainable practices in plant production. These efforts may include:

- Reduction of potable water use: Use non-potable water (e.g., captured rainwater, recycled graywater, reclaimed/treated wastewater, water treated and conveyed by a public agency specifically for non-potable uses) for ffty (50) percent of the total annual irrigation volume OR reduce total irrigation volume by ffty (50) percent;
- 2. Reduction of runoff from irrigation: Capture and recycle all irrigation runoff water on site (i.e., no dry-weather discharges);
- Sustainable soil amendments / growing media: Use peat-free growing media or other sustainable sources AND use cover crops and amend soils with compost, manure, or other sustainable sources;
- Organic matter recycling: Compost or recycle one hundred (100) percent of vegetation trimmings on site for use in nursery operations or for sale to the public:
- Waste reduction: Conduct a waste audit to identify the weight or volume of ongoing consumables, and reuse, recycle, or compost fifty (50) percent of the on-going consumables waste stream;
- 6. Use of integrated pest management: Employ a certified Integrated Pest Management (IPM) practitioner OR use an IPM-certified nu
- 7. Prevention of invasive species: Demonstrate that invasive species are managed and are not distributed
- Reduced energy consumption: Demonstrate that energy use during the three (3) most recent years is at least twenty-five (25) percent less than the average energy use over the previous ten (10) years;





iversity of Florida Gainesville, FL 32608

Dear University of Florida.

Your organization is receiving this letter as a supplier providing planets for UF-565 Landscage Master Plane Project, which is seeking a certification via the Sus-tianable State Initiative (SITESB). ISIES difers a comprehensive rating system designed to distinguish sustainable sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GBC) and more information about the program (including a free download of the SITES V Rating Swittem and Scorecard) is available at a www.sustainable/sites.com.

SITES Credit 5.10: Support sustainability in plant production aims to support sustainable practices in plant production by purchasing plants, sod, and seed from organizations whose practices increase energy efficiency, reduce resource consumption and waste, and minimize negative effects on human health and the environment

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- Reduced energy consumption: Demonstrate that energy use during the three (3) most recent years is at least twenty-five (25) percent less than the average energy use over the previous ten (10) years;

- Use of renewable energy sources: Use on-site renewable energy sources to meet ten (10) percent of electricity demands OR engage in at least a four (4) year contract for the purchase of twenty (20) percent of electricity from renewable energy sources;
- Safe and fair working conditions: Develop nursery employment policies that establish open communication with employees about issues such as workplace safety and job satisfaction.

To demonstrate to GBCI that the requirements are met for this credit, please email the following documentation to Dustin Stephany from UF PD&C at <u>d_stephany@uft_edu</u> by 11/12022 along with a copy of this letter, indicating which documents are provided by checking the appropriate box.

s achieve 3 points for Option 2, please provide the following: To h

Apublicly available sustainability statement disclosing efforts to achieve at least six of ten (6 of 10) sustainable practices in Plant production, listed above.

To help us achieve 5 points for Option 3, please provide the following documentation to demons in sustainable practices have been achieved:

	Reduction of potable water use: Calculations showing the use of non-potable water for fifty (50) percent of the total annual irrigation volume OR a reduction in total irrigation volume of at least fifty (50) percent, AND a brief description of the availability and sources of non-potable water used for irringation:
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	Reduction of runoff from irrigation: Letter describing the methods by which all irrigation runoff water used in plant production
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- I	
_ I.	Use of sustainable soil amendments / growing media: Letter describing growing media used in plant production and verifying
	These media are peat-free and, where applicable, that cover crops have been used and soils amended with compost, manure, or other sus-
	tainable sources;

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- Safe and fair working conditions: Copy of the employment policy that establishes open communication with em les such as workolace safety and job satisfaction.

Please note: If multiple businesses are involved in plant production, this request applies to the business that grows the plant material until it's ready for sale (finishes the plant material).

If you have any questions regarding the requested information above, please email Dustin Stephany from UF PD&C at <u>d stephany@ull.edu</u> by 12/1/2022 Otherwise, please email the requested documentation by 1/1/2022 along with a copy of this letter, indicating which documents are provided by checking the anomorphism horizontal stephanet and the stephanet a

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Thank you for your participation in SITES and for your part in making sustainable places.

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Thank you for your participation in SITES and for your part in making sustainable places

Sincerely,

352-756-7377

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com

arles Perry Partners, Inc. 3 SW 13 ⁿ St, Gainesville, FL 32611	
lan.davis@cppi.com	
2-756-7377	

Nolan Davi

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Woerner **Farms**



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Thank you for your participation in SITES and for your part in making sustainable places.

Sincerely,

Nolan Davis Charles Perry Partners, Inc. 300 SW 13ⁿ St, Gainesville, FL 32611 Nolan.davis@cppi.com

352-756-7377

October 11, 2021

Woerner Farms 13011 NE 80th Ave, Bronson, FL 32621

Dear Woerner Farms.

Your organization is neevining this latter as a providing considing and for UF-650 Landbace Manare Than Project, which is seeking contribution the Duu-bandhac Sites Initiative (STEES). STEES Softers a comprehensive rating system devigend to distinguish taskinalek sites, measure their performance, and elevate the value of landscapes. It is administered by the Green Business Certification Inc. (GEC) and more information about the program (including a free download of the STES 27 ktalling System and Scorecaral) is available at <u>www.ustanikatelises.com</u>

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SECTION 6: SITE DESIGN | HUMAN HEALTH + WELL BEING

Credit	TITLE	Points
HHWB 6.1	Protect and maintain cultural and historic places	3 points
HHWB 6.2	Provide optimum site accessibility, safety, and wayfinding	2 points
HHWB 6.3	Promote equitable site use	2 points
HHWB 6.4	Support mental restoration	2 points
HHWB 6.5	Support physical activity	2 points
HHWB 6.6	Support social connection	2 points
HHWB 6.8	Reduce light pollution	4 points
HHWB 6.9	Encourage fuel efficient and multi-modal transportation	4 points
HHWB 6.10	Minimize exposure to environmental tobacco smoke	2 points
HHWB 6.11	Support local economy	3 points

CREDIT 6.1 PROTECT AND MAINTAIN CULTURAL AND HISTORIC PLACES

Narrative

Goal: 3 points

The UF campus is remarkable among large public institutions in the United States for its ongoing expression of social and architectural change within a context of architectural compatibility. This cohesive character is the beneficiary of 3 historic eras: implementation of the original campus plan from 1905-1925, coalescence and enhancement from 1925-1944, and compatible transition to modern ideals from 1944-1956.

The University of Florida has preserved a noteworthy archive of campus plan updates since 1905, original architectural drawings and specifications, and archival photographs. At the forefront in preservation education, UF has an established program in Historic Preservation dating from the late 1960s.

Source: https://historic.facilities.ufl.edu/

Site Photographs and Maps





Thomas Hall Buckman Hall Sledd Hall Fletcher Hall Murphree Hall Women's Gym/Ustler Hall Florida Pool Florida Field Florida Gym 10 Newell Hall Griffin-Floyd Hall 12 Rolfs Hall 13 Keene-Flint Hall 14 Anderson Hall 15 Bryan Hall 16 Peabody Hall Smathers Library East 18 University Auditorium 19 Plaza of the Americas 20 Leigh Hall Walker Hall 21 22 University Police Dept The Infirmary 23 24 Norman Hall 25 Dauer Hall 26 Dairy Science Bldg 27 Weil Hall 28 29 Tigert Hall Mallory/Yulec/Reid 30 Tolbert 31 Broward Broward Hall McCarty Hall 32 33 The Hub 34 Century Tower 35 Matherly Hall 36 Carlton Auditorium 37 Flavet Field 38 President's Hom



UF FLORI

Documentation

NPS Form 10-900 (Rev. 6-86)

United States Department of the Interior National Park Service

National Register of Historic Places Registration Form

MAR 2 4 1989

22.2

OMB No. 1024-0018

NATIONAL REGISTER

This form is for use in nominating or requesting determinations of eligibility for individual properties or districts. See instructions in *Guidelines* for Completing National Register Forms (National Register Bulletin 16). Complete each item by marking "x" in the appropriate box or by entering the requested information. If an item does not apply to the property being documented, enter "NA" for "not applicable." For functions, styles, materials, and areas of significance, enter only the categories and subcategories listed in the instructions. For additional space use continuation sheets (Form 10-900a). Type all entries.

I. Name of Property historic name University of	Florida Campus Historic I	District	
ther names/site number N/A	8AL 2552		
. Location			
treet & number See Continuat:	ion Sneet	N/A N/A	not for publication
ity, town Gainesville	FL county Alachua	N/A code 001	
tate Florida code	FL county Alachua	code 001	zip code 32611
. Classification			
wnership of Property	Category of Property	Number of Reso	urces within Property
private	🛄 building(s)	Contributing	Noncontributing
public-local	X district	8	$_11$ buildings
X public-State	🔲 site		sites
public-Federal	structure		1 structures
	object		objects
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ame of related multiple property list	tipa:	Number of contr	ibuting resources previously
N/A	ung.		onal Register 11
State/Federal Agency Certific	cation		
National Register of Historic Place In my opinion the property I me Signature of certifying official	ermination of eligibility meets the doc es and meets the procedural and pro ets does not meet the National F	essional requirements s	et forth in 36 CFR Part 60.
In my opinion the property me	ermination of eligibility meets the doc as and meets the procedural and pro sets does not meet the National F Control Deficer	essional requirements s legister criteria. See	eel forth in 36 CFR Part 60. continuation sheet. 3/13/89 Date
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Source: https://npgallery.nps.gov/NRHP/AssetDetail?assetID=25bf96c5-3404-48ca-8d85-5ae8fa4055fc



Business Affairs Planning, Design & Construction 232 Stadium PO Box 115050 Gainesville, FL 32611-5050 352-273-4000 352-273-4034 Fax

July 13, 2021

Subject: UF-656/Northeast Gateway SITES, Equitable Site Use

To Whom It May Concern:

The Planning, Design and Construction Division of the University of Florida is responsible for campus planning including preservation of the university's historic and cultural assets. As Director of Planning, my role includes project review and coordination with the Florida Division of Historical Resources (FDHR).

The Northeast Gateway project is located within the University of Florida Campus Historic District as listed in the National Register of Historic Places on April 20, 1989 and referenced in the Florida Master Site File as 8AL-2552. The project is immediately adjacent to Tigert Hall (1951) that was added as a contributing resource to the District in 2008.

The University of Florida works to preserve these historic and cultural assets through its internal processes and Programmatic Memorandum of Agreement with the FDHR. The Newell Gateway project was designed to be compatible with its historic context.

Sincerely,

Linda B. Dixon, AICP Director of Planning

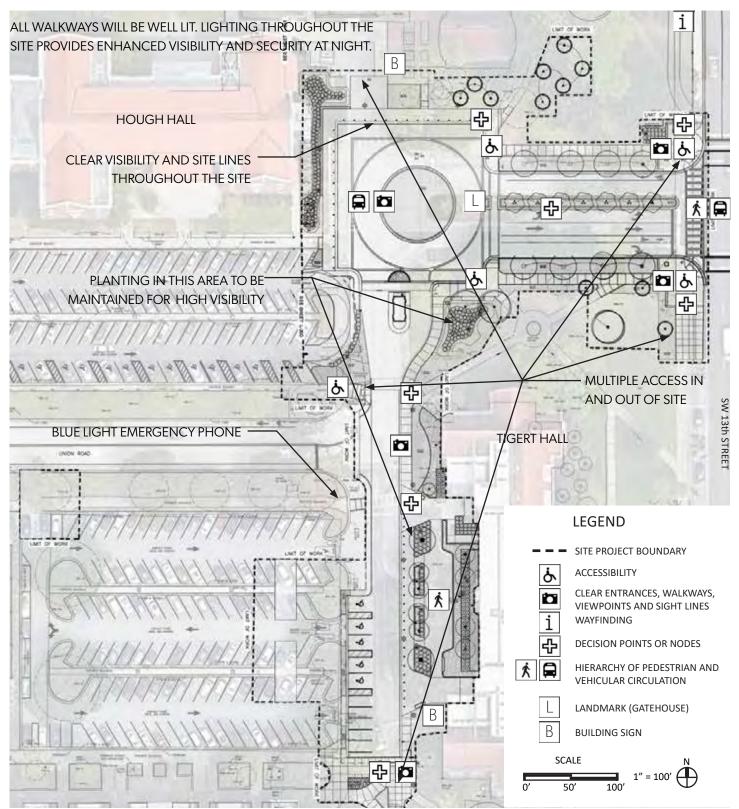
The Foundation for The Gator Nation An Equal Opportunity Institution

Page 1 of 1

CREDIT 6.2 PROVIDE OPTIMUM SITE ACCESSIBILITY, SAFETY, AND WAYFINDING

Site plan

Goal: 2 points



Photos













CREDIT 6.3 | PROMOTE EQUITABLE SITE USE

Narrative

Goal: 2 points

The Northeast Gateway serves as an entry point into the University of Florida's campus. Due to its central location in the larger community, the University of Florida main campus is also an integral part of the City of Gainesville and Alachua County. As such, the community gateways, campus entry features, perimeter appearance and overall urban form of the campus is of vital community importance. The gateways are conceived as entry features that provide access, orientation and amenities through design features such as signage and intersection treatments. Major gateways shall be designed to enhance access for motor vehicles, pedestrians and bicyclists and include significant entry features and signage. The University shall work with the City of Gainesville, Alachua County and the Florida Department of Transportation to improve access and aesthetics on Gateway Roads through university participation on the Metropolitan Transportation Planning Organization and its committees, and any special interest groups or local government committees as may be created to address such issues. The University shall finalize and implement the Wayfinding Plan for main campus and its environs in coordination with the City of Gainesville and Florida Department of Transportation. The Northeast Gateway site is open for free public access and provides amenities for a variety of activities including seating, shade, walkways/bicycle paths, bicycle parking, and open lawn spaces. There will also be free, accessible WiFi through the campus programs. The free WiFi will allow users to access the internet on site through their devices.

Majority of the site users will visit the site during daylight hours. The site has multiple trees that will stay during construction, allowing for the natural canopy to remain intact. This allows for a more optimal visit by the site users as it addresses the microclimate. Site users will have multiple options to lounge in the shade as there will be picnic tables, benches and seats under the trees. If visitors would like to be active, there are open lawns and pathways for physical activity. Open space connections shall be maintained and enhanced to provide bicycle and pedestrian access. The Northeast Gateway project will provide pedestrian and bicycle facilities that safely and efficiently accommodate walking and bicycling in a comfortable and aesthetically pleasing environment. The site design will reduce the dependence on single-occupant vehicles as a primary mode of travel to campus and to encourage transportation modal choice. The University will work in accordance with RTS to encourage use of bus stops within 0.25-mile walking distance from the site entrance.

Feedback and needs of the local community were taken into account while designing the Northeast Gateway. Suggestions were taken from the Landscape Master Plan meetings, see Appendices (C2.4 Appendix A). Such feedback that was incorporated into the design were improved stormwater management strategies, enhanced campus connections, elements that create unique photo opportunities, and a "VIP entrance" with a bus stop and a drop-off loop. These suggestions included: seating, shade walkways/ bicycle parking and more open lawn spaces.

The Northeast Gateway is easily accessible and accommodates for all types of members of the community. The University will ensure equal access to university facilities, services and resources for individuals regardless of physical ability through application of universal design concepts. This allows for the site to be used beyond the primary user groups. The Northeast Gateways serves as an inviting entrance into UF's historic district; announcing the campus, welcoming the casual visitor, and orienting guests to the parking facilities beyond.

Letter



Business Affairs Planning, Design & Construction 232 Stadium PO Box 115050 Gainesville, FL 32611-5050 352-273-4000 352-273-4034 Fax

July 13, 2021

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Sincerely,

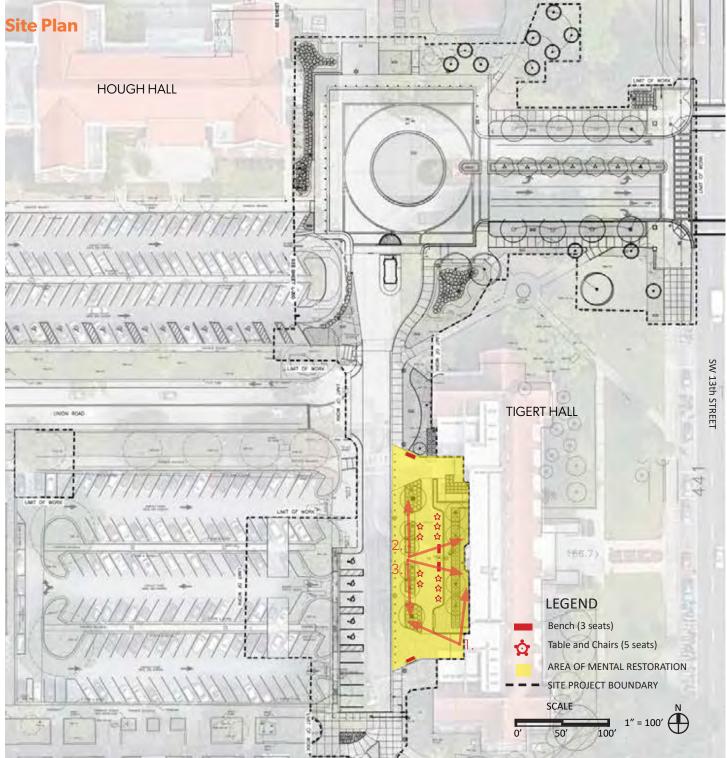
Linda B. Dixon, AICP Director of Planning

CREDIT 6.4 | SUPPORT MENTAL RESTORATION

Narrative

Goal: 2 points

The site provides a visual and physical access to vegetation along the pathways throughout the site. Overhead canopy trees provide shade along pedestrian pathways where users will feel entirely enclosed within vegetation. A Vehicular Gateway that runs parallel with the SW 13th St., on the eastern edge of the site, offers a visual and noise buffer from the busy road. Total Number of Site Users: 120



SECTION 6: SITE DESIGN - HUMAN HEALTH + WELL BEING

Photos







CREDIT 6.5 | SUPPORT PHYSICAL ACTIVITY

Site Plan

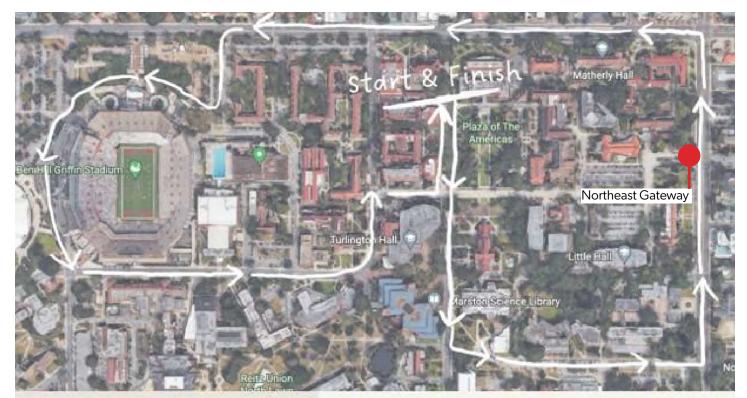
Goal: 2 points

There are many activities in which site users occupy this gateway project. The two most distinct community-wide scheduled events include the Johnny Townsend Gator Gallop Fundraising Event and the homecoming parade. Both of these events are not coordinated through the University of Florida and are not considered campus events. These events occur once a year.

The four largest district user groups are as follows: (1) The general student body, (2) the general public, (3) University of Florida staff, (4) University of Florida Faculty. Each of these user groups are significantly benefit from the features of these specialty events and bicycle network. As mention, the parade is organized by the citizens, for citizens and also the University of Florida as these events occur during Homecoming Week. Both the parade and fund raising events will include a large group of site users for a few hours during the day. As site users frequent the gateway, they will observe and experience the University's development of a more pedestrian friendly environment.

Total Number of Site Users: 120

Gator Gallop Route





The Gator Gallop is an exciting fun run where students and the Gainesville community race through campus, on average sees around 400-500 attendees.



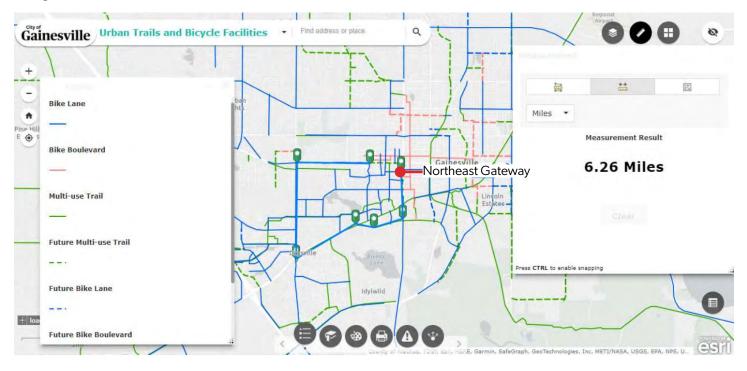
Homcoming and Gator Growl Route





The Gator Growl is a student-run pep rally at the University of Florida that was founded in 1924. It marks the culmination of Homecoming Week at the university.

Bicycle Routes



This gateway directly connects with the University of Florida and City of Gainesville bicycle network. Below shows the Gateway location and measures more than 6 miles of bicycle network both on and off campus. The key indicates various types of bicycle lanes within the network. Both the University and City are working together to improve current League of American Bikers silver level ranking.



CREDIT 6.6 | SUPPORT SOCIAL CONNECTION

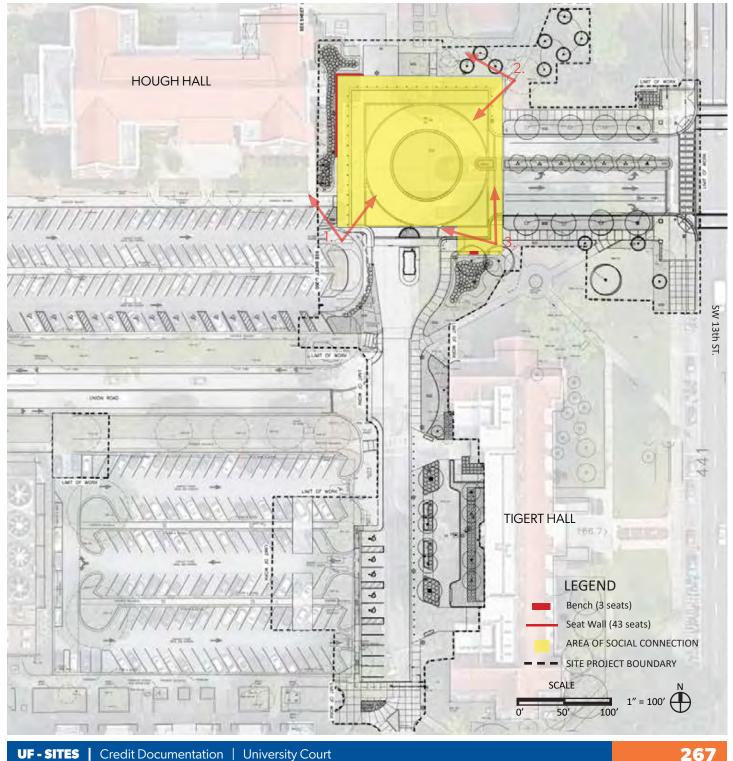
Site plan

Goal: 2 points

The site encourages social connections through shared pathways and open amenities that allow users to interact and engage within the space. The long seat wall along the walkway will accommodate a large amount of users who can comfortably socialize while in-between classes or serving as a meet up point.

Total Number of Site Users: 120

Total Seating provided = 46 seats



SECTION 6: SITE DESIGN - HUMAN HEALTH + WELL BEING

Photos



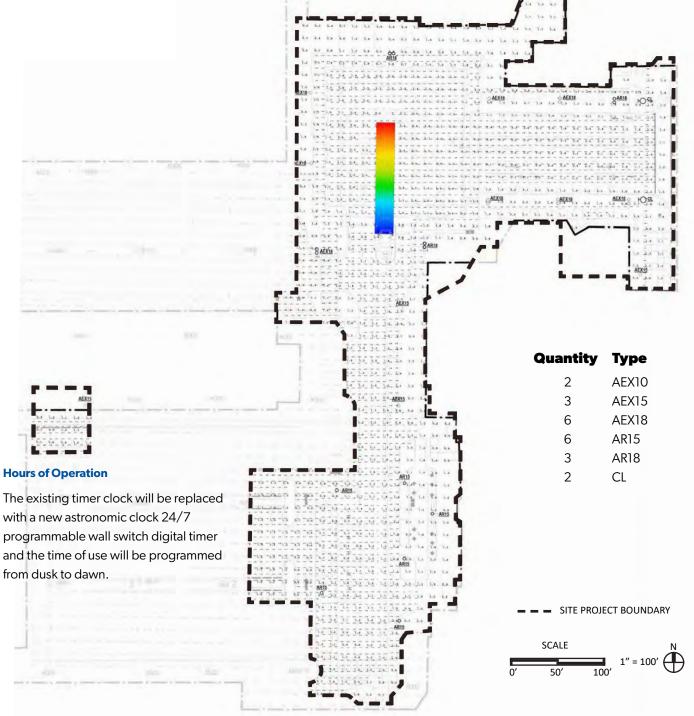


CREDIT 6.8 | REDUCE LIGHT POLLUTION

METHOD 2: CALCULATION METHOD

Narrative

The gateway's location falls on the outside of campus main campus boundary. The campus is surrounded by the City of Gainesville. This area classifies a MLO lighting zone 3 - Moderately High Ambient Light. Therefore the max BUG rating will be 5-3-3, with the highest pole height being 18'. The majority of the SITES project boundary surrounds main campus (with the same MLO zone) and is therefore exempt from light tresspassing. The other portion abuts a public roadway, where the centerline is 37', including the sidewalk area, meeting the light tresspassing distance allowance.



SECTION 6: SITE DESIGN - HUMAN HEALTH + WELL BEING

Luminaire Name	Backlight Rating	Uplight Rating	Glare Rating
RL54-AEX10 Wide	3	3	3
RL54-AEX15 Wide	3	3	3
RL54-AEX18 Wide	3	3	3
RL54-ARX15 Wide	3	3	3
RL54-ARX18 Wide	3	3	3
Evergreen Lighting COZ2220LS	1	0	1

				VTUDE											
			LIGHT FI	XIURE	SCHEI	DULE									
TYPE	DESCRIPTION		BASIS OF DESIGN	LIGHT SOURCE	INITIAL LUMEN	NS COLOR TE	MPERATURE	WATTAGE	VOLTAGE		MOUNTIN	NG	NOTES		
4D	4" LED RECESSED DOWNLIGHT WITH IC HOUSING	LIGHTOLIER LY	YTECASTER L4R A E 1 VA L4R 06 80 40 VA L4R D D	LED	650 lm	40	000 K	7 VA	120 V	NEW CONSTR	RUCTION, IC, PL	ASTER CEILING			
6D	6" LED RECESSED DOWNLIGHT	LIGHTOLIER E/	ASYLITE 6 R N Z6RDL 15 W O CD WLV U	LED	1500 lm	40	000 K	15 VA	120 V	RECESSED AG	CCOUSTIC TILE				
6DE	6" LED RECESSED DOWNLIGHT WITH EMERGENCY	LIGHTOLIER E/	ASYLITE 6 R N EM Z6RDL 15 W O CD WLV U	LED	1500 lm	40	000 K	15 VA	120 V	RECESSED AG	CCOUSTIC TILE		INTEGRAL EMERGENCY PA		
CL		EVERGREEN L	LIGHTING FLORENCE ARM MOUNT FL02109LS	LED	900 lm	40	000 K	9 VA	277		EE ARCH ELEVA				
WP	LED PEDESTRIAN WALL LIGHT	ARCHITECTUR	RAL AREA LTG CYPHER CY2-25-4K8-1-UNV-DBS-F-FPP	LED				25 VA	120	WALL MOUNT	REPLACE EXIS	STING.	FIELD VERIFY EX VOLTAGE		
WS2	LED WALL SCONCE - LANTERN TYPE	EVERGREEN L	LIGHTING FLORENCE ARM MOUNT FLO2109LS	LED	900 lm	40	000 K	9 VA	120	WALL BOX, 80	" AFG TO BOTT	OM			
		IIGH	TING POLES AND FIXT	LIGHTING POLES AND FIXTURES - NORTHEAST GATEWAY											
20.005															
	DECODUPTION (
TYPE	DESCRIPTION		BASIS OF DESIGN		U	IGHT SOURCE	INITIAL LUMEN	IS COLOR TE	MPERATURE	WATTAGE	VOLTAGE		JNTING		
	DESCRIPTION EXISTING 10' LIGHTING POLE, PROVIDE NEW HADCO TALL METAL TOP	P EXI			U			IS COLOR TE		69 VA	277	MOI EXISTING 10' POLE AN			
AEX10			BASIS OF DESIGN	-A-3-N-N-N AND PC	DLE	IGHT SOURCE LED LED	INITIAL LUMEN 5762 Im 5762 Im	IS COLOR TEI 40 40	MPERATURE D0 K D0 K		277 120		ID BASE		
AEX10 AEX15	EXISTING 10' LIGHTING POLE, PROVIDE NEW HADCO TALL METAL TOP	P EX F	BASIS OF DESIGN HADCO ACORN RL54-A-C-N-A-FASTENER-BLACK-W-N-N-N	-A-3-N-N-N AND PC -A-3-N-N-N AND PC		IGHT SOURCE LED	INITIAL LUMEN 5762 lm 5762 lm 17282 lm	IS COLOR TEI 40 40	MPERATURE 00 K	69 VA	277 120 480 V	EXISTING 10' POLE AN EXISTING 15' POLE AN EXISTING 15' POLE W	ID BASE ID BASE ITH CROWN ACCESSORY		
AEX10 AEX15 AEX18 AR10	EXISTING 10' LIGHTING POLE, PROVIDE NEW HADCO TALL METAL TOF EXISTING 15' LIGHTING POLE, PROVIDE NEW HADCO TALL METAL TOF EXISTING 15' LIGHT POLE WITH DOUBLE ARM LED ACORN RELOCATE 10' LIGHTING POLE AND PROVIDE NEW HADCO TALL META	P EX F	BASIS OF DESIGN HADCO ACORN RL54-A-C-N-A-FASTENER-BLACK-W-N-N-N HADCO ACORN RL54-A-C-N-A-FASTENER-BLACK-W-N-N-N HADCO ACORN RL54-A-C-N-A-FASTENER-BLACK-W-N-N-N HADCO ACORN RL54-A-C-N-A-FASTENER-BLACK-W-N-N-N	-A-3-N-N-N-N AND PC -A-3-N-N-N AND PC -A-3-N-N-N AND PC -A-3-N-N-N-N AND PC		IGHT SOURCE LED LED LED LED	INITIAL LUMEN 5762 Im 5762 Im 17282 Im 5762 Im	IS COLOR TE 40 40 40 40 40	MPERATURE 00 K 00 K 00 K 00 K	69 VA 69 VA 138 VA 69 VA	277 120 480 V 277	EXISTING 10' POLE AN EXISTING 15' POLE AN EXISTING 15' POLE W RELOCATE 10' POLE A	ID BASE ID BASE ITH CROWN ACCESSORY IND BASE		
AEX10 AEX15 AEX18 AR10	EXISTING 10' LIGHTING POLE, PROVIDE NEW HADCO TALL METAL TOF EXISTING 15' LIGHTING POLE, PROVIDE NEW HADCO TALL METAL TOF EXISTING 15' LIGHT POLE WITH DOUBLE ARM LED ACORN	P EX F	BASIS OF DESIGN HADCO ACORN RL54-A-C-N-A-FASTENER-BLACK-W-N-N-N HADCO ACORN RL54-A-C-N-A-FASTENER-BLACK-W-N-N-N HADCO ACORN RL54-A-C-N-A-FASTENER-BLACK-W-N-N-N	-A-3-N-N-N-N AND PC -A-3-N-N-N AND PC -A-3-N-N-N AND PC -A-3-N-N-N-N AND PC		IGHT SOURCE LED LED LED	INITIAL LUMEN 5762 lm 5762 lm 17282 lm	IS COLOR TE 40 40 40 40 40	MPERATURE 00 K 00 K 00 K	69 VA 69 VA 138 VA	277 120 480 V	EXISTING 10' POLE AN EXISTING 15' POLE AN EXISTING 15' POLE W	ID BASE ID BASE ITH CROWN ACCESSORY IND BASE		

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
NORTHEAST GATEWAY	Illuminance	Fc	1.34	4.2	0.2	6.70	21.00

LEED COMPLIANCE, RATING SYSTEM V4, SS8 LIGHT POLLUTION REDUCTION:

UPLIGHT, OPTION 1: BUG RATING METHOD: ALL SITE LIGHTING FIXTURES HAVE B-U-G RATING OF B3-U4-G3 FOR ZONE LZ3 (SECURITY LIGHTING) AND MORE THAN 1 FIXTURE HEIGHTS DISTANCE FROM LIGHTING BOUNDARY.

SUBMITTED FOR COMPLIANCE WITH USGBC SITES V2 RATING SYSTEM, SECTION 6.8, BUG RATING:

RL34/RL54 Refractive Globe with Lumilock LED engine GX4

LED Post Top Luminaire

Wide Body Type	Wide Body Type 5 - Metal Roof								
Catalog Logic	LED QTY	System Current (mA)	Color Temperature	Avg System Wattage ¹ (W)	Lumen Output	Efficacy (Lm/W)	BUG rating		
RL54-D-x-W-2	64	200	3000	39	3871	99	B3-U3-G2		
RL54-D-x-W-3	64	350	3000	69	6534	95	B3-U3-G3		



IES ROAD REPORT PHOTOMETRIC FILENAME : COZ2220LS-TBK-A-41K.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002 IESNA:LM-63-2002 [TESTLAB] LIGHT SCIENCES, INC. [ISSUEDATE] [71/4/2013 IMANUFAC] EVERGREEN LIGHTING [LUMCAT] CO222201.S-TBK-A-41K [LUMINARE] CO2UMEL LED DARKSKY ARM MOUNT [MORE] LED WITH OPTICS-DARK SKY [BALLASTCAT] HATCH LC22-0700N-UNV-D [BALLAST[INDUT. 120/2777VAC, 50/60Hz. OUTPUT: 700MA/27V [LAMPCAT 1400K LAMPCATI 4100K [LAMI-CAT] 4100K [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS. [LINPUT] 120VAC, 20W [LTEST FROCEDURE] IESNA:LM-79-08

IES Classification Longitudinal Classification Lumens Per Lamp Total Lamp Lumens Luminaire Lumens Downward Total Efficiency

CHARACTERISTICS

Total Luminaire Efficiency Luminaire Efficacy Rating (LER) Total Luminaire Watts Total Luminaire Watts Ballast Factor Upward Waste Light Ratio Maximum Candela Maximum Candela Angle Maximum Candela Angle (-90 Degrees Vertical) Maximum Candela Angle (-90 Degrees Vertical) Maximum Candela A190 Degrees Vertical Maximum Candela A190 Degrees Vertical Cruhtf Classification (deprecated) Cutoff Classification (deprecated)

Type III Medium 1736 (1 lamp) 1736 89 % 89 % 77 20 1 00

IES ROAD REPORT PHOTOMETRIC FILENAME : COZ2220LS-TBK-A-41K.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

1736 (1 lamp)				
1736		Lumens	% Lamp	% Luminaire
1539	FL - Front-Low (0-30)	115.0	6.6	7.5
89 %	FM - Front-Medium (30-60)	552.9	31.8	35.9
89 %	FH - Front-High (60-80)	344.9	19.9	22.4
77	FVH - Front-Very High (80-90)	24.7	1.4	1.6
20	BL - Back-Low (0-30)	83.4	4.8	5.4
1.00	BM - Back-Medium (30-60)	263.3	15.2	17.1
0.00	BH - Back-High (60-80)	138.0	8.0	9.0
843.14	BVH - Back-Very High (80-90)	17.1	1.0	1.1
75H 67.5V	UL - Uplight-Low (90-100)	0.0	0.0	0.0
843.14	UH - Uplight-High (100-180)	0.0	0.0	0.0
75H 67.5V				
0 (0.0% Lamp Lumens)	Total	1539.3	88.7	100.0
115.601 (6.7% Lamp Lumens) Full Cutoff				
Fuil Guton	BUG Rating	B1-U0-G1		
	Doortaing	00.01		



CREDIT 6.9 ENCOURAGE FUEL EFFICIENT AND MULTI-MODAL TRANSPORTATION

Goal: 4 points

Narrative

The Transportation and Parking Strategic Plan (TPSP) provides context and direction for the development of the University of Florida's transportation network and supporting infrastructure over the next 10 years and beyond. The TPSP is strongly informed by previous and on-going plans, including the Strategic Development Plan (SDP), Campus Master Plan (CMP) and Landscape Master Plan (LMP), to provide an integrated future campus vision. The intent of the Transportation and Parking Strategic Plan (TPSP) is to identify strategies that support UF's growth towards pre-eminence, foster collaboration, and identify innovative solutions to the transportation and arrival challenges faced by students, staff, faculty, and visitors. The TPSP will promote mobility, by enabling safe and convenient access to and from campus and provide access within the campus area to all modes of travel. The TPSP will promote strategies to reduce the number of single-occupant drivers to and from campus as a means of achieving a more efficient and affordable transportation system. The TPSP will identify strategies to enhance the visitor, employee, and student experience for approaches to campus and on-campus. The TPSP will promote the use of technology and creativity:

- To aid in reducing peak hour traffic to and from campus;
- To efficiently manage parking demand on campus;
- To help in reaching the University's carbon neutrality target; and
- To enhance safety at major intersections around campus for all modes.

The University currently offers a wide range of travel support programs including the Carpool drop-off program, ride matching, emergency ride home, and occasional parking privileges for program participants. All of these programs promote travel choice and allow flexibility for commuters to select the commute mode that best serves their needs. Students, faculty and staff can receive a Carpool parking decal by filling out the application.

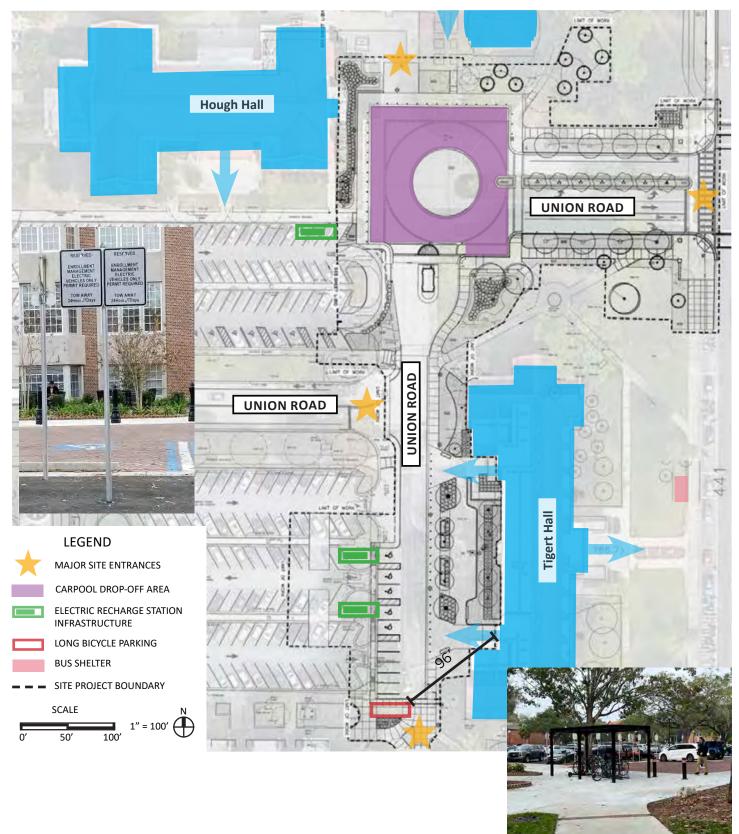
Additional information for infrastructure, facilities, or incentives include the University of Florida Gator Gears and Department Bicycle Share programs. Additional information on the various shuttles programs can be found at (UF Micromobility Pilot, Campus Connector (carpooling), UF Carpool Program, Ridemigos, and SNAP (carpooling), RTS bus transportation, UF Safe Rides by Lyft, and Zipcar Sharing program.

Total Number of Site Users: 120 Total Number of Parking Spaces: 14, 4 of which are EV Total Number of Bike Parking: 14

SECTION 6: SITE DESIGN - HUMAN HEALTH + WELL BEING

Site Plan

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CREDIT 6.10 MINIMIZE EXPOSURE TO ENVIRONMENTAL TOBACCO SMOKE

OPTION 1: DESIGNATE LIMITED SMOKING ZONES

Goal: 2 points

The smoke-free policy and implementation plan

Policy Statement

Smoking and tobacco use are prohibited in all facilities and areas of the University of Florida campus with no exception. This includes, but is not limited to, all indoor and outdoor areas and properties. Indoor areas and properties include, but are not limited to, all common work areas, elevators, hallways, university-owned or -leased vehicles, garages, restrooms, cafeterias or dining areas, employee lounges, conference and meeting rooms, and all other enclosed areas in the workplace. Outdoor areas include, but are not limited to, parking lots, grounds, rooftops, plazas, courtyards, entrance and exit ways, and any other areas of the university campus. This policy applies to all faculty, staff, consultants, contractors, and visitors.

For purposes of this policy, 'university campus" or "campus" includes those lands located in Alachua County, Florida, occupied or controlled by the University of Florida; those lands located in the city of Jacksonville, Florida occupied or controlled by the University of Florida; any other lands in the state of Florida on which a health care facility occupied or controlled by the University of Florida is located; and lands occupied by any fraternity or sorority officially recognized by the University of Florida. The fifty feet (50') areas surrounding such facilities are also designated as no smoking areas. The President or designee may allow smoking in specific designated areas of campus for clinical treatment purposes, including smoking cessation programs or research-related purposes.

Any facilities occupied or controlled by the University of Florida that are not on the university campus as defined above continue to be designated no smoking facilities. For purposes of this policy, "smoking" means inhaling, exhaling, burning carrying or possessing any lighted tobacco product, including cigarettes, cigars, pipe tobacco, and any other lit tobacco products.

For purposes of this policy, "tobacco use" means the personal use of any tobacco product, whether intended to be lit or not, which shall include smoking, as defined above, as well as the use of an electronic cigarette or any other device intended to simulate smoking and the use of smokeless tobacco, including snuff; chewing tobacco; smokeless pouches; any other form of loose-leaf, smokeless tobacco; and the use of unlit cigarettes, cigars, and pipe tobacco.

Communication

Persons will be informed of this policy through:

- Signs posted in appropriate areas throughout the university
- Human Resource Services web site and InfoGator newsletter
- E-mail communication to all employees and students
- Employee and student handbooks

Enforcement

The responsibility for the enforcement and communication of this policy rests with all members of the university community.

REGULATIONS OF THE

UNIVERSITY OF FLORIDA

UF- 2.022 No Smoking and Tobacco Use.

(1) For the purpose of this regulation, the following definitions shall apply:

(a) "University campus" or "campus" shall include those lands located in Alachua County, Florida, occupied or controlled by the University of Florida; those lands located in the City of Jacksonville, Florida, occupied or controlled by the University of Florida; and any other lands in the State of Florida on which a health care facility occupied or controlled by the University of Florida is located.

(b) "Smoking" means inhaling, exhaling, burning, carrying or possessing any lighted tobacco product, including cigarettes, cigars, pipe tobacco, and any other lighted tobacco products.

(c) "Tobacco use" means the personal use of any tobacco product, whether intended to be lighted or not, which shall include smoking, as defined in paragraph (b) above; the use of an electronic cigarette or any other device intended to simulate smoking; and the use of smokeless tobacco, including snuff, chewing tobacco, smokeless pouches, any other form of loose-leaf, smokeless tobacco and the use of unlit cigarettes, cigars, and pipe tobacco.

(2) Tobacco use is prohibited in all areas of the University campus.

(3) All facilities occupied or controlled by the University that are not on the University campus continue to be designated no smoking facilities. The fifty feet (50') areas surrounding such facilities are also designated as no smoking areas. The President or designee may allow smoking in specific designated areas of campus for clinical treatment purposes, including smoking cessation programs or research-related purposes.

1

No Smoking Sign



CREDIT 6.11 | SUPPORT LOCAL ECONOMY

Calculations

Goal: 3 points

Total number of construction workers = 83 Percentage of construction workers receiving a living wage = 92.8% Overall construction budget = \$2,562,428.57

SITES[®] v2 Construction Hiring Worksheet

C6.11: SUPPORT LOCAL ECONOMY

PROJECT NAME	PROJECT ID#
UF-656 Landscape Master Plan - Northeast	13740

INSTRUCTIONS:

1. Complete the following form for Contractor and all Subcontractors that will be performing work on the project.

2. If the municipality where the project is located has a first source policy, the forms and associated documents showing approval by the municipality may be submitted in lieu of the SITES documentation. Please include copy of first source addendum that was included in contracts with contractors and subcontractors.

NAME of CONTRACTOR or SUBCONTRACTOR	CONTRACTOR or AUTHORIZED REPRESENTATIVE	VALUE of CONTRACT	TOTAL HOURS OF CONTRACT	TOTAL HOURS BY LOCAL INDIVIDUALS	TOTAL HOURS BY LOW-INCOME	PERCENTAGE of LOCAL HOURS	PERCENTAGE of LOW- INCOME HOURS	LOCAL APPRENTICE or ENTRY LEVEL HOURS
Bryce A. Burger Landscaping	Bryce Burger	\$98,198.88	585	585	0	100.00%	0.00%	0
Hicks Asphalt Paving & Concrete	Tammi Hicks	\$1,111,021.43	2392	2392	0	100.00%	0.00%	0
Van Goettling Masonry	Daran Bedenbaugh	\$205,816.00	1620	1620	0	100.00%	0.00%	0
Utility Service of Gainesville, Inc.	Justis Ebling	\$680,961.30	2565	2565	0	100.00%	0.00%	0
Lawn Enforcement Agency	Mike Troiano	\$405,783.96	288	288	0	100.00%	0.00%	0
Perry Roofing	Danielle Friend	\$35,000.00	260	260	0	100.00%	0.00%	0
Robinson Glazing	Shawna Cornett	\$25,647.00	39	39	0	100.00%	0.00%	0
Workflow (Lawn Enforcement)	Wirely Olivera		960	960	0	100.00%	0.00%	0
	TOTAL:	\$ 2,562,428.57	8709.00	8709.00	0.00	100.00%	0.00%	0

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1/5/2023

C6.11: SUPPORT LOCAL ECONOMY

PROJECT NAME UF-656 Landscape Master Plan - Northeast PROJECT ID# 13740

INSTRUCTIONS:

1. Please complete the following form for your company's work on the project. The form should be completed by an authorized representative of the contractor or subcontractor.

CONTRACTOR			TOTAL HOURS OF CONTRACT:					
Bryce A. Burger Lands	scape		585					
AUTHORIZED REPRI	ESENTATIVE	1	<u></u>			1		
Bryce Burger								
NUMBER OF LOCAL WORKERS	TOTAL HOURS	TOTAL LOCAL HOURS	LOCAL APPRENTICE or ENTRY LEVEL HOURS	DID WORKERS RECEIVE JOB TRAINING? (Y/N)	TYPE of TRAINING	WERE WORKERS PART of YOUTH DEVELOPMENT PROGRAMS?	AREA'S LIVING WAGE FOR ONE ADULT	NUMBER OF LOCAL WORKERS RECEIVING LIVING WAGE
5	585	585	0	Y	Safety	N	\$13.64	5
SIGNATURE OF AUT	HORIZED REPRESENTAT							
Bryce A. Burger								

SITES® v2 Construction Hiring Worksheet

C6.11: SUPPORT LOCAL ECONOMY

PROJECT NAME

UF-656 Landscape Master Plan - Northeast

PROJECT ID# 13740

INSTRUCTIONS:

1. Please complete the following form for your company's work on the project. The form should be completed by an authorized representative of the contractor or subcontractor.

CONTRACTOR			TOTAL HOURS OF	CONTRACT:		_		
Hicks Asphalt Paving	& Concrete		2392					
AUTHORIZED REPR	ESENTATIVE		-			-		
Tammi Hicks								
NUMBER OF LOCAL WORKERS	TOTAL HOURS	TOTAL LOCAL HOURS	LOCAL APPRENTICE or ENTRY LEVEL HOURS	DID WORKERS RECEIVE JOB TRAINING? (Y/N)	TYPE of TRAINING	WERE WORKERS PART of YOUTH DEVELOPMENT PROGRAMS?	AREA'S LIVING WAGE FOR ONE ADULT	NUMBER OF LOCAL WORKERS RECEIVING LIVING WAGE
27	2392	2392	0	Y	Safety	Ν	\$13.64	27

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

Tammi Hicks

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C6.11: SUPPORT LOCAL ECONOMY

PROJECT NAME

UF-656 Landscape Master Plan - Northeast

PROJECT ID# 13740

PROJECT ID#

13740

INSTRUCTIONS:

1. Please complete the following form for your company's work on the project. The form should be completed by an authorized representative of the contractor or subcontractor.

CONTRACTOR			TOTAL HOURS OF CONTRACT:					
Van Goettling Masonr	y		1620					
AUTHORIZED REPRI	ESENTATIVE							
Daran Bedenbaugh								
NUMBER OF LOCAL WORKERS	TOTAL HOURS	TOTAL LOCAL HOURS	LOCAL APPRENTICE or ENTRY LEVEL HOURS	DID WORKERS RECEIVE JOB TRAINING? (Y/N)	TYPE of TRAINING	WERE WORKERS PART of YOUTH DEVELOPMENT PROGRAMS?	AREA'S LIVING WAGE FOR ONE ADULT	NUMBER OF LOCAL WORKERS RECEIVING LIVING WAGE
15	1620	1620	0	Y	Safety	N	\$13.64	15
SIGNATURE OF AUT	HORIZED REPRESENTAT	IVE:						

Daran Bedenbaugh

SITES[®] v2 Construction Hiring Worksheet

C6.11: SUPPORT LOCAL ECONOMY

PROJECT NAME

UF-656 Landscape Master Plan - Northeast

INSTRUCTIONS:

1. Please complete the following form for your company's work on the project. The form should be completed by an authorized representative of the contractor or subcontractor.

CONTRACTOR			TOTAL HOURS OF CONTRACT:					
Utility Service of Gaine	esville, Inc		2565					
AUTHORIZED REPR	ESENTATIVE					•		
Justis Ebling								
NUMBER OF LOCAL WORKERS	TOTAL HOURS	TOTAL LOCAL HOURS	LOCAL APPRENTICE or ENTRY LEVEL HOURS	DID WORKERS RECEIVE JOB TRAINING? (Y/N)	TYPE of TRAINING	WERE WORKERS PART of YOUTH DEVELOPMENT PROGRAMS?	AREA'S LIVING WAGE FOR ONE ADULT	NUMBER OF LOCAL WORKERS RECEIVING LIVING WAGE
18	2565	2565	0	Y	Safety	Ν	\$13.64	18

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

Justis Ebling

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C6.11: SUPPORT LOCAL ECONOMY

PROJECT NAME UF-656 Landscape Master Plan - Northeast PROJECT ID# 13740

PROJECT ID#

13740

INSTRUCTIONS:

1. Please complete the following form for your company's work on the project. The form should be completed by an authorized representative of the contractor or subcontractor.

CONTRACTOR	ONTRACTOR TOTAL HOURS OF CONTRACT:							
Lawn Enforcement Ag	ency		288					
AUTHORIZED REPRI	ESENTATIVE	1						
Mike Troiano								
NUMBER OF LOCAL WORKERS	TOTAL HOURS	TOTAL LOCAL HOURS	LOCAL APPRENTICE or ENTRY LEVEL HOURS	DID WORKERS RECEIVE JOB TRAINING? (Y/N)	TYPE of TRAINING	WERE WORKERS PART of YOUTH DEVELOPMENT PROGRAMS?	AREA'S LIVING WAGE FOR ONE ADULT	NUMBER OF LOCAL WORKERS RECEIVING LIVING WAGE
2	288	288	0	Y	Safety	Ν	\$13.64	2
SIGNATURE OF AUTHORIZED REPRESENTATIVE:								
Mike Troiano								

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SITES[®] v2 Construction Hiring Worksheet

C6.11: SUPPORT LOCAL ECONOMY

UF-656 Landscape Master Plan - Northeast

INSTRUCTIONS:

1. Please complete the following form for your company's work on the project. The form should be completed by an authorized representative of the contractor or subcontractor.

CONTRACTOR			TOTAL HOURS OF CONTRACT:			_		
Perry Roofing Contrac	tors		260					
AUTHORIZED REPR	ESENTATIVE		-			-		
Danielle Friend								
NUMBER OF LOCAL WORKERS	TOTAL HOURS	TOTAL LOCAL HOURS	LOCAL APPRENTICE or ENTRY LEVEL HOURS	DID WORKERS RECEIVE JOB TRAINING? (Y/N)	TYPE of TRAINING	WERE WORKERS PART of YOUTH DEVELOPMENT PROGRAMS?	AREA'S LIVING WAGE FOR ONE ADULT	NUMBER OF LOCAL WORKERS RECEIVING LIVING WAGE
4	260	260	0	Y	Roofing/Safety	Ν	\$14.10	0

SIGNATURE OF AUTHORIZED REPRESENTATIVE:

Danielle Friend

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C6.11: SUPPORT LOCAL ECONOMY

PROJECT NAME UF-656 Landscape Master Plan - Northeast PROJECT ID# 13740

PROJECT ID# 13740

INSTRUCTIONS:

1. Please complete the following form for your company's work on the project. The form should be completed by an authorized representative of the contractor or subcontractor.

CONTRACTOR			TOTAL HOURS OF CONTRACT:					
Robinson Glazing Solu	utions, LLC		39					
AUTHORIZED REPRI	ESENTATIVE					1		
Shawna Cornett								
NUMBER OF LOCAL WORKERS	TOTAL HOURS	TOTAL LOCAL HOURS	LOCAL APPRENTICE or ENTRY LEVEL HOURS	DID WORKERS RECEIVE JOB TRAINING? (Y/N)	TYPE of TRAINING	WERE WORKERS PART of YOUTH DEVELOPMENT PROGRAMS?	AREA'S LIVING WAGE FOR ONE ADULT	NUMBER OF LOCAL WORKERS RECEIVING LIVING WAGE
2	39	39	0	Y	Glazing	N	\$13.04	0
SIGNATURE OF AUT	HORIZED REPRESENTAT	IVE:						
Shawna Cornett								

SITES[®] v2 Construction Hiring Worksheet

C6.11: SUPPORT LOCAL ECONOMY

PROJECT NAME

UF-656 Landscape Master Plan - Northeast

INSTRUCTIONS:

1. Please complete the following form for your company's work on the project. The form should be completed by an authorized representative of the contractor or subcontractor.

CONTRACTOR			TOTAL HOURS OF CONTRACT:					
Workflow			960					
AUTHORIZED REPR	ESENTATIVE							
Wirely Olivera								
NUMBER OF LOCAL WORKERS	TOTAL HOURS	TOTAL LOCAL HOURS	LOCAL APPRENTICE or ENTRY LEVEL HOURS	DID WORKERS RECEIVE JOB TRAINING? (Y/N)	TYPE of TRAINING	WERE WORKERS PART of YOUTH DEVELOPMENT PROGRAMS?	AREA'S LIVING WAGE FOR ONE ADULT	NUMBER OF LOCAL WORKERS RECEIVING LIVING WAGE
10	960	960	0	Y	Safety	Ν	\$13.64	10

Wirely Olivera

Prerequisite	TITLE	Ροιντς
Construction P7.1	Communicate and verify sustainable construction practices	Required
Construction P7.2	Control and retain construction pollutants	Required
Construction P7.3	Restore soils disturbed during construction	Required
Credit	TITLE	Points
Construction C7.4	Restore soils disturbed by previous development	4 points
Construction C7.5	Divert construction and demolition materials from disposal	4 points
Construction C7.6	Divert reusable vegetation, rocks, and soil from disposal	4 points
Construction C7.7	Protect air quality during construction	4 points

PREREQUISITE 7.1 | COMMUNICATE AND VERIFY SUSTAINABLE **CONSTRUCTION PRACTICES**

SITES® v2 Punchlist

P7.1: COMMUNICATE AND VERIFY SUSTAINABLE CONSTRUCTION PRACTICES

PROJECT NAME Northeast Gateway

PROJECT ID# 13742

INSTRUCTIONS:

Complete the following form for each prerequisite and desired credit.

2. Assign responsibility for each to a member of the integrated design team. That person will sign off on each assigned item as it is implemented.

ACTION ITEM	SITES PREREQUISITES	TEAM MEMBER ASSIGNED	DATE COMPLETED	SIGNATURE
SITE ASSESSMENT - Communicate the site assessment to all construction personnel-For Section 2.2.4.C Materials, Plants, Soils and Labor Procurement Narrative: Dustin/CPPI provide information	P2.2: Conduct a pre-design site assessment	Charles Garrett	10/26/2022 4:2	olpm edt#
PRE-CONSTRUCTION MEETING - Communicate all sustainability principles and performance goals - Collect pre-construction meeting minutes and signatures-For Section P7.1 CPPI to	P2.1: Use an integrative design process	Frank Belllomo	10/24/2022 2:	Frank Bellomo
provide meeting minutes and signatures for OAC Kick-off meeting and	P7.1: Communicate and verify sustainable construction practices	Charles Garrett	10/26/2022 4:	Charles Gamett
	P1.1: Limit development on farmland	Frank Bellomo	10/24/2022 2:	Frank Bellomo
VEGETATION AND SOIL PROTECTION ZONES - Communicate locations and protective measures to all construction personnel	P1.2: Protect floodplain functions	Jaime Igua	10/27/2022 1	Jaine Igua EDT
 Install protective measures (e.g., fence or physical barrier) Install protection signage 	P1.3: Conserve aquatic ecosystems	Frank Bellomo	10/24/2022 2:	31 PM PDT Frank Billono
	P1.4: Conserve habitats for threatened and endangered species	D.J. Silverberg		
	P2.3: Designate and communicate VSPZs	lan Molgaard	10/21/2022 6:	Tax Malgared
	P4.1: Create and communicate a soil management plan	Frank Bellomo	10/24/2022 2:	Frank Bellons
	P3.2: Reduce water use for landscape irrigation	Rob Hoogevenn	10/21/2022 3:	27 AM EDT Kole Romenuum
	P4.1: Create and communicate a soil management plan	Frank Bellomo	10/24/2022 2:3	
	P4.2: Control and manage invasive plants	Elisabeth Manley	10/21/2022 6:	1 He Manley
	P4.3: Use appropriate plants	Frank Bellomo	10/24/2022 2:3	
 Verify that any threatened tree species used has sustainable forestry management 	P5.1: Eliminate the use of wood from threatened tree species	Frank Bellomo 10/24/2 Jason O'Brian	022 203249/202	2 3:28 PM EDT 6
	P7.2: Control and retain construction pollutants	Charles Garrett	10/26/2022 + A.	
			10/26/2022 4:	Charles Gamett

 I ake videos and/or photos of sedimentation control measures Collect receipts for soil, compost, and amendments suppliers-For Section P4.1-CPPI to provide signatures verifying that the Soil Management Plan has been communicated to construction contractors via site drawings and written specifications-For Section P5.1 CPPI to provide completed Materials Worksheet; For Section P7.3-CPPI/Manley to provide photos of silt fencing and inlet protection-For Section P7.3-Final Soil Test to be ordered by UF/Dustin/Malanie and coordinated by CPPI/Manley at or prior to Substantial Completion-Sequence to be determined by CAC team. CPPI to provide receipts. 	P7.3: Restore soils disturbed during	Charles Garret Bryce Burger	Bryte Burger 2487357AB62E4A5	Hies Garret (Subjects During Barret) Content (Subjects During) Content Provide Subjects During Content Provide Subjects During
ACTION ITEM	SITES CREDITS	TEAM MEMBER ASSIGNED	DATE COMPLETED	SIGNATURE
 Ensure the section of the site assessment is complete and documents- the percent of total site area this is previously developed-100% of site is previously developed; Site plan, aerial photographs, areas of soil remediation, calculations, historical photos; REMAINING ITEM FROM M. HEFLIN-REGULATORY PERMIT NARRATIVE 	C1.5 Redevelop degraded sites	lan Molgaard	10/21/2022 6:16 A	M PDT Melyand
Vicinity map, site plan with walking routes and basic services and table of walking distances	C1.6 Locate projects within existing developed areas	lan Molgaard	10/21/2022 6:16 A	M.PDT.
REMAINING ITEM SITE USER CALCULATIONS	C1.7 Connect to multi-modal transit networks	Ian Molgaard	10/21/2022 6:16 A	M PDT
-Site Assessment process and program plan - Schematic Design Review - Design development presentation and review	C2.4 Engage users and stakeholders	Frank Bellomo	10/24/2022 2:	ik Bellons
- Ensure that habitat for mosquitos will not be created - Ensure plan for decommissioning temporary irrigation is communicated - Ensure the section of the site maintenance plan is complete	C3.4 Reduce Outdoor water use	lan Molgaard	10/21/2022 6:16 4	MPDI
- Calculations	C4.8 Optimize Biomass	Ian Molgaard	10/21/2022 6:	Malanad
 List of selected materials that demonstrate the required SR or SRI values 	C4.9 Reduce urban heat island effects	Ian Molgaard	10/21/2022 6:1	- ingeneration
 Materials Worksheet with descriptions of each salvaged material 	C5.4 Reuse salvaged materials and plants	Charles Garrett	10/26/2022 4:	Court
 Materials worksheet and desciption of each recycled material 	C5.5 Use recycled content materials	Charles Garrett	10/21/2022 6:: 10/21/2022 6:1 10/26/2022 4: 10/26/2022 4: 10/26/2022 4: 10/26/2022 4: 10/26/2022 4: 10/26/2022 4: 10/26/2022 4: 10/21/2022 4: 10/26/2022 4: 10/2	C
- Materials Worksheeet	C5.6 Use regional materials	Charles Garrett	10/26/2022 4	is correct
- Materials Worksheet - Documentation from manufacturers or suppliers demonstrating disclosure of environmental practices. - Documentation showing that manufacturers have a publicly available sustainability statement.	C5.7 Support responsible extraction of raw materials	Dustin Stephany	10/20/2022 9:35 F Dutin	
 Materials Worksheet Documentation from materials manufacturers demonstrating disclosure of material chemistry. 	C5.8 Support transparency and safer chemistry	Dustin Stephany	10/20/2022 9: Duction	. Stephany
 Materials Worksheet Documentation from manufacturers or suppliers demonstrating disclosure of environmental practices. Copies of public announcemnet regarding future environmental impact reduction goals 	C5.9 Support sustainability in materials manufacturing	Dustin Stephany	10/20/2022 9: Dut	in Stephany
Materials Worksheet Documentation from plant providers demonstrating disclosure of 6 of the 10 sustainable production practices	C5.10 Support sustainability in plant production	Dustin Stephany	10/20/2022 9.25 Dati	a Stediana
Option-2-Current site photos, historic features documents, narrative, letter from National Register of Historic Places	C6.1 Protect and maintain cultural and historic places	Dustin Stephany	10/20/2022 9:35 H	Stephenicy
- Photographs post construction	C6.2 Provide optimum site accessibility, safety, and wayfinding	Frank Bellomo	10/24/2022 2 10/20/2022 0	tellono
-Letter confirming the intent to provide free public access to elements, signed by owner, with		Dustin Stephany	10/20/2022 9.05	THE CLASS
Photographs pact construction	C6.4 Support montal ractoration	Frank Bollomo	40/04/0000 10 04 04	even sterend

10/20/2022 | 9.31 PM PDT Dustin Stephany C6.4 Support mental restoration Frank Bellomo

Frank Bellomo

- Photographs post construction

ACTION ITEM	SITES CREDITS	TEAM MEMBER ASSIGNED	DATE SIGNATURE
 Photos post construction Narrative describing services provided and two methods for how program will be announced. List of four largest and distinct user groups 	C6.5 Support physical activity	Dustin Stephany	10/20/2022 9:3 Duthin Stephaney
 Photographs post construction Narrative of how services, microclimate conditions, and social connection 	C6.6 Support social restoration	Dustin Stephany	10/20/2022 9:37, PM, EDT,
- Photometric data and calculations	C6.8 Reduce Light Pollution	Craig Culledge	
 Site plans of locations for preffered parking, bus shelters, bike parking Narrative describing infrastructure and support programs to promote shared vehicle usageFollow-up on site plan to verify that 3 criteria are met. 	C6.9 Encourage fuel efficient and multi- modal transportation	Frank Bellomo, Dustin Stephany	10/24/2022 2:31 PM PDT 10/20/2022 9 Dutin Styling
- Develop smoke free policy, install permenant signage, ensure Site Maintenance Plan sheet is completed.B7	C6.10 Minimize exposure to environmental tobacco smoke	Dustin Stephany	10/20/2022 9:37 PM EDT Dustin Stephany
 Construction hiring Worksheet, calculations, list of individuals from programs that support on-the-job training, signed by appropriate contract holders. Overall construction budget and a list of locally owned and operated businessess. 	C6.11 Support local economy-MAYBE	Charles Garrett	Charles Garrett Dit Colling Charles Garrett Charles Garrett Charles Garrett Charles Colling Control of 1228-39-0500
- Strategy for restoring soil conditions - Receipts from soil, compost, and amendment suppliers	C7.4 Restore soils disturbed by previous development	Bryce Burger Frank Bellomo	1 Bryce Burger Ilono
- List of all construction demo materials generated on site, calculations - Narrative of implementation of management plan	C7.5 Divert construction and demolition materials from disposal	Charles Garrett	2487357A862E4A6
Estimated amount of material waste Location of reveiving agents Documentation (photos and receipts) verifying materials diverted Signature of owner that no land-clearing materials were disposed of in landfill	C7.6 Divert reusable vegetation, rocks, and soil from disposal-MAYBE	Tom Schlick	10/21/2022 { "Thinks Soldisk T
 List of all equipment, run-time calculations, fuel purchase records Idle-reduction policy, narrative Equipment maintenance plan 	C7.7 Protect air quality during construction-MAYBE	Tom Schlick	10/21/2022 8.01 AM EDT Themas Solitish
- Waste Stream Study, narrative, site plan locations	C8.3 Recycle organic matter	Dustin Stephany	10/20/2022 9:37 PM EDT Dustin Styliany
- Site maintenance plan - Plant Healthcare Plan and best management practives	C8.4 Minimize pesticide and fertilizer use	Tom Schlick	10/21/2022 8.04 AM EDT Thomas Soldish
- Product cut sheets - Calculations and completed worksheets	C8.5 Reduce outdoor energy consumption	Dustin Stephany	10/20/2022 9 37 Dutin Stephany
- List of all powered maintenance equipment - Emissions reduction worksheet	C8.7 Protect air quality during landscape maintenance	Tom Schlick	10/21/2022 8:04 AM EDT Thomas Schlieb
- Communication of case study	C9.2 Develop and communicate a case study	Dustin Stephany	10/20/2022 9: Dustin Stephany

Preconstruction Meeting Minutes

Minutes Pre-Construction Meeting

UF Project No. UF-656 **Owner:** University of Florida **Project Name:** UF – 656 Landscape Master Plan Implementation Newell Gateway and Northeast Gateway **Date**: August 31, 2021 **Location**: CPPI Corporate Office **Time**: 9:00AM – 11:30AM

□ Attendees:

- Hicks Concrete, Asphalt, and Paving Ronnie Hicks
- USI Hal Ebling, Justice Ebling
- $\circ \quad \mbox{Van Goettling Masonry} \mbox{Daran Bedenbaugh}$
- GAI Sheeba West
- UF Melanie Heflin, Dustin Stephany
- CPPI Charles Garrett, Jennifer Lyons
- **9:00 9:15**
 - □ Introductions:
 - □ Melanie Heflin UF PD&C Project Manager
 - Jennifer Lyons CPPI Project Manager
 - □ Charles Garrett CPPI Superintendent
 - Jobsite Conduct
 - □ The jobsites are located in highly visible and trafficked areas of the University of Florida Campus.
 - □ Zero tolerance regarding harassment of any kind.
 - □ Zero tolerance regarding alcohol and tobacco.
 - □ Jobsite cleanliness is a priority. This is everyone's responsibility to make sure the site is clean and orderly each day.
 - □ University of Florida COVID -19 protocols must be adhered to at all times.
 - □ PPE Workers must wear the required PPE at all times while on the construction site.
 - □ UF requires badge to be worn by contractors. Background check completion must be noted on UF sharepoint for all contractors' employees on site.

Review contract documents - Principles and performance goals are the guiding overarching concepts & the observable & measurable end results of having 1 or more objective completed within a fixed time frame; conveyed in the specifications & drawings

- 1. Plans
 - a. Newell Gateway
 - b. Northeast Gateway
- 2. Specifications
- 3. Addendums: #1 #5, Change Directive #1
- 4. Site Logistics Plans
 - a. Newell Gateway
 - b. Northeast Gateway

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5. Schedule – Newell by end of 2021 and NE by end of March 2022

□ 9:20 – 10:00 am

□ SITES Certification Requirements – Dustin Stephany presentation

- 1. UF's sustainability track record
- 2. Guiding and project specific principles: prerequisites/credits, reuse/salvaged materials, soil management plan, advocacy letters, and punchlist
- 3. Sites requirements need to translate to construction documents for field implementation

Document review

- 1. Punchlist Worksheet SITES Punchlist is a set of line items to be carried out by the contractor in order to achieve SITES prerequisites and credits
- 2. Materials Worksheet
- 3. Construction Hiring Worksheet
- 4. Field Operations
- 5. Letters to suppliers
- □ 10:00 am 11:00 am
 - Working Hours

□ Monday-Friday 7:00 am – 3:30 pm

□ Rain Days/Rain Out

□ Jobsite deliveries are to be scheduled 7 days in advance with CPPI superintendent and every effort to deliver to the site at non-peak (student/faculty) occupancy hours.

- 1. Early morning deliveries for larger items that may require a semi- truck / low boy hauler etc....
- 2. You must have someone from your company present and fully capable of unloading your material when it arrives. Deliveries will be sent away if you fail to schedule or you are not onsite to unload it.
- Utility Outages
 - Utility outage requests are to be sent to CPPI Superintendent 2 weeks in advance of the desired date of the request.
 - Dig Permits utility locates are to be called in by the subcontractor, coordinated with CPPI superintendent.

General Requirements

- Project Signage
 - □ CPPI to install signage around the construction fencing as required by the University of Florida.
- □ Hot work procedures
 - □ Hot work permits to be applied for by the subcontractor.
- Parking
 - Parking for each jobsite is indicated within the construction fencing areas on the logistics plans. Workers should carpool in company vehicles if available as parking space is at a premium.
 - □ Workers must have a TAPS parking tag to hang on their mirror while parked inside the construction fenced area. Get from CPPI Superintendent.

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- Dumpster Location
 - □ A dumpster will be located within each construction fenced area.
- Barrier Location
 - See site logistics plan and construction documents for indication of barriers.
- Toilet Facilities
 - Temporary toilet facilities will be provided at each jobsite (Newell and Northeast)
- Jobsite Security and Locks
 - Jobsite will be locked at the end of each workday for both locations by a combination cable lock. The code for the locks will be provided by CPPI Superintendent Charles Garrett.
- □ Storage Facilities/Areas
 - □ The jobsite areas are limited on space, however some area will be available for materials. This must be coordinated with CPPI Superintendent Charles Garrett as to the location, amount, and duration the materials will be there.

Architect/Owner/Contractor Communications

- An integrated design team includes the owner, client, & professionals knowledgeable in design, construction, & maintenance to meet the unique constraints & opportunities of the site.
- Channels and procedures for communication Autodesk Build
- Processing of submittals and shop drawings, RFIs
 - □ Submittals and shop drawings are to be sent to <u>Charles.Garrett@cppi.com</u>, <u>Nolan.Davis@cppi.com</u> or uploaded in Build
 - □ RFI's are to be sent to <u>Jennifer.lyons@cppi.com</u> <u>Charles.Garrett@cppi.com</u>, <u>Nolan.Davis@cppi.com</u> or uploaded in Build
- □ Processing field change/orders
 - □ Change orders are to be sent to <u>Jennifer.lyons@cppi.com</u>
- Inspection Procedures
 - Notify CPPI Superintendent of any inspections that are scheduled for your work at least (5) Days in advance.
 - □ Inspections are to be identified and listed on the pull planning board in the jobsite trailer in order for CPPI to notify UF prior to work being covered up after inspection.
- Close-out Documents
 - □ Closeout documents are to be submitted to <u>Jennifer.lyons@cppi.com</u>, <u>Nolan.Davis@cppi.com</u>

Project Specific

- Lead Times
- Long lead items need to be discussed with CPPI Superintendent and Project Manager.
 Schedule/Coordination
 - □ Weekly Coordination with CPPI Superintendent Charles Garrett.
 - □ Pull Planning required for 6-week look ahead.

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□ Review the construction schedules

- 1. Newell Gateway
- 2. Northeast Gateway
- □ Weekly Subcontractor Meeting
 - 1. Tuesdays at 10:00 am at the jobsite trailer.
- □ Safety Meetings:
 - 1. Tuesday at 7:00 am onsite (Northeast Gateway)

□ 11:00 am – 11:30 am

□ Lunch / project planning discussions

Preconstruction Meeting Signatures

Signer Events	Signature	Timestamp
Charles Garrett	.	Sent: 1/24/2022 2:09:06 PM
Charles.Garrett@CPPI.com	Charles Garrett	Viewed: 1/26/2022 10:21:16 AM
Security Level: Email, Account Authentication		Signed: 1/26/2022 10:21:42 AM
(None)	Signature Adoption: Pre-selected Style	
	Using IP Address: 98.180.246.115	
	Using in Address. 30.100.240.110	
Electronic Record and Signature Disclosure: Accepted: 1/26/2022 10:21:16 AM ID: 43c2940c-a966-448d-82ad-f1923f925056		
Daran Bedenbaugh		Sent: 1/24/2022 2:09:07 PM
daran.bedenbaugh@vangoettlingmasonry.com	Daran Bedenbaugh	Viewed: 2/11/2022 2:01:51 PM
Security Level: Email, Account Authentication	U U	Signed: 2/11/2022 2:02:29 PM
(None)	Cignoture Adaption: Dre colorted Style	
	Signature Adoption: Pre-selected Style Using IP Address: 174.64.77.190	
	Using IF Address. 174.04.77.190	
Electronic Record and Signature Disclosure: Accepted: 2/11/2022 2:01:51 PM ID: e958e12e-6c35-4551-b582-8bf9d82accd7		
Donnie Hicks		Sent: 1/24/2022 2:09:06 PM
donniehicksapc@gmail.com	Dani IJ	Viewed: 1/29/2022 11:57:58 AM
Security Level: Email, Account Authentication	0.00	Signed: 1/31/2022 6:53:35 AM
(None)		-
	Signature Adoption: Drawn on Device	
	Using IP Address: 174.211.193.76 Signed using mobile	
Electronic Record and Signature Disclosure:	Signed using mobile	
Accepted: 1/29/2022 11:57:58 AM ID: 362fc9f3-2a24-46fa-8a6f-6c79d3377021		
Dustin Stephany		Sent: 1/24/2022 2:09:09 PM
d.stephany@ufl.edu	Dustin Stephany	Viewed: 1/24/2022 2:10:36 PM
University of Florida	22 2007. I	Signed: 1/24/2022 2:10:48 PM
Security Level: Email, Account Authentication	Construct Adaption: Droto-to-d Ot de	
(None)	Signature Adoption: Pre-selected Style	

Using IP Address: 128.227.115.220

Signer Events	Signature	Timestamp
Hal Ebling halebling@gmail.com Security Level: Email, Account Authentication (None)	<i>Tful Elling</i> Signature Adoption: Pre-selected Style Using IP Address: 98.180.247.40	Sent: 1/24/2022 2:09:07 PM Viewed: 1/25/2022 7:51:24 AM Signed: 1/25/2022 7:53:46 AM
Electronic Record and Signature Disclosure: Accepted: 1/25/2022 7:51:24 AM ID: 5d5c97b2-8257-4403-a58e-d5431bf53cfb		
lan Molgaard		Sent: 1/24/2022 2:09:07 PM
I.Molgaard@gaiconsultants.com	lan Molgaard	Viewed: 1/24/2022 2:36:27 PM
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style Using IP Address: 4.53.44.34	Signed: 1/24/2022 2:36:52 PM
Electronic Record and Signature Disclosure: Accepted: 1/24/2022 2:36:27 PM ID: a63b0bee-b1b1-478a-bb03-c33ed2ef89b8		
Jennifer Lyons		Sent: 1/24/2022 2:09:09 PM
Jennifer.Lyons@CPPI.com	Jennifer Lyons	Viewed: 1/24/2022 2:21:21 PM
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style Using IP Address: 209.251.130.130	Signed: 1/24/2022 2:21:43 PM
Electronic Record and Signature Disclosure: Accepted: 1/24/2022 2:21:21 PM ID: f27e5466-4bc6-4dc0-9fa7-b5e4ba23f257		
Justis Ebling		Sent: 1/24/2022 2:09:08 PM
usi.justis@gmail.com	Justis Ebling	Viewed: 1/24/2022 2:37:17 PM
Security Level: Email, Account Authentication (None)		Signed: 2/9/2022 4:05:22 PM
	Signature Adoption: Pre-selected Style Using IP Address: 98.180.247.40	
Electronic Record and Signature Disclosure: Accepted: 1/24/2022 2:37:17 PM ID: 163bf050-025c-4a2a-b432-a2c9b67fbcd6		
Melanie Heflin		Sent: 1/24/2022 2:09:08 PM
mheflin@ufl.edu	Melanic Heflin	Viewed: 1/24/2022 2:09:27 PM
Project Manager		Signed: 1/24/2022 2:09:39 PM
University of Florida -Planning, Design & Construction Division	Signature Adoption: Pre-selected Style	
Security Level: Email, Account Authentication (None)	Using IP Address: 67.34.199.241	
Electronic Record and Signature Disclosure: Not Offered via DocuSign		
Sheeba West		Sent: 1/24/2022 2:09:09 PM
S.West@gaiconsultants.com	Sheeba West	Viewed: 1/26/2022 3:15:24 PM
Security Level: Email, Account Authentication (None)	Signature Adoption: Pre-selected Style	Signed: 1/26/2022 3:15:42 PM
	Using IP Address: 4.53.44.34	

Electronic Record and Signature Disclosure:

Preconstruction Meeting Presentation





SITES Preconstruction Meeting

3-31-21

Overview

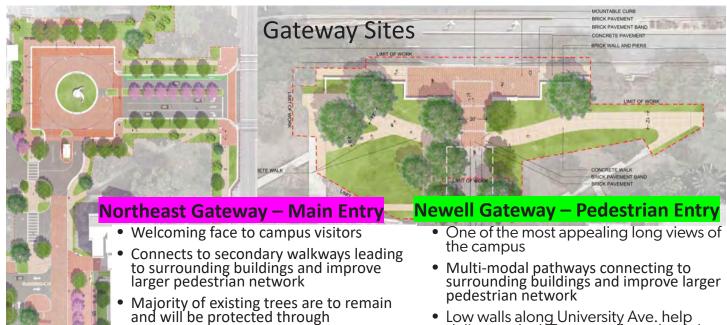
- Introduction
- What is SITES?
- What is the Plan?
- How do we get there?
- Our Part



construction

Additional trees are placed in adequate planting space which provide shade for

the comfort of pedestrians and bicyclists



- Low walls along University Ave. help delineate the UF campus from the right-of-way and guide pedestrian safety
- Low-maintenance shrub and groundcover planting areas contribute to collection of stormwater and infiltration







- Global certification program
- Performance based criteria
- Tools that protect and enhance the human experience
- Designed for the future of green building industry
- Benchmarking
- Foster regenerative, resilient and efficient design
- Traditional land development underestimate or ignore healthy ecosystems

Guiding Principles

Point Based System

70+ points - CERTIFIED 85+ points - SILVER 100+ points - GOLD (TEAM GOAL) 135+ points - PLATINUM **Do no harm.** Make no changes to the site that will degrade the surrounding environment. Promote sustainable design projects on sites where previous disturbance or development presents an opportunity to regenerate ecosystem services through sustainable design.

Apply the precautionary principle. Be cautious in making decisions that could threaten human and environmental health. Some actions can cause irreversible damage. Examine a full range of alternatives (including no action), and be open to contributions from all potentially affected parties.

Design with nature and culture. Create and implement designs that are responsive to economic, environmental, and cultural conditions and to the local, regional, and global context.

Use a decision-making hierarchy of preservation, conservation, and regeneration. Maximize the benefit of ecosystem services by preserving existing environmental features, conserving resources in a sustainable manner, and regenerating lost or damaged ecosystem services

Provide regenerative systems as intergenerational equity. Provide future generations with a sustainable environment supported by regenerative systems and endowed with regenerative resources.

Support a living process. Continuously re-evaluate assumptions and values, and adapt to demographic and environmental change.

Use a systems thinking approach. Understand and value the relationships in an ecosystem. Use an approach that reflects and sustains ecosystem services and re-establishes the integral and essential relationship between natural processes and human activity.

Use a collaborative and ethical approach. Encourage direct and open communication among colleagues, clients, manufacturers, and users to link long-term sustainability with ethical responsibility.

Maintain integrity in leadership and research. Implement transparent and participatory leadership; develop research with technical rigor; and communicate new findings in a clear, consistent, and timely manner.

Foster environmental stewardship. In all aspects of land development and management, foster an ethic of environmental stewardship—an understanding that responsible management of healthy ecosystems improves the quality of life for present and future generations.



Project Specific Principles and Performance Goals

Redesign Campus Roadways to Support and Encourage All Modes of Travel

- Accommodate safe multi-modes of transportation/shared paths: e-scooters, bicycles, pedestrian, skateboards, Segway and bus
- Incorporate rows of trees with setbacks @ walkways to incorporate more shade and plant growth

Integrate New Campus Projects Into the Campus Fabric, Advancing Pedestrian and Bike Connections and Campus Space

Improve accessibility simplify gateway and walkway connections while enriching the views

Reflect UF's Ecological Setting in its Plant Materials, Promoting Simplicity and Maintainability in Planting Design

- Promote and restore native landscaping for North Central Florida
- Protect existing trees with tree barricades, rerouting utilities and paving and soil remediation
 - Incorporate simplified grouped landscaping and promote ease of maintenance (pruning vs thinning vs seasonal replacement)

Embracing Sustainable Goals and LID Practices (Newell Gateway Only)

- Reduced hardscapes and increase planting areas to demonstrate best stormwater management practices, improve water quality and serve as
- educational feature
- Reuse materials where possible

What is the Plan?

- Focus on <u>Prerequisites</u>, then <u>Credits</u>
- Reuse Salvaged Materials
- Soil Management Plan
- Advocacy Letters
- Punchlist



	Project:	Newell Gateway MA	JOR DEADLINE:	26-Mai					LAST UPDATED: 7/1/2021
	Project #:	13740 (DD's 100%)	Construction):	(3-26 /)	5-1)				
Yes ? No N/A				Yes	? No	N/A			
STATUS 10 0 3	SITE CON	ITEXT Possible 13 points	STATUS	20	2 8				GN (HUMAN HEALTH + WELL-BEING) Possible 30 po
Complete REQUIRED	P 1.1	Limit development on farmland	Progress	3	0 0	0	С	6.1	Protect and maintain cultural and historic places
Complete REQUIRED	P 1.2	Protect floodplain functions	Progress	2	0 0		с	6.2	Provide optimum site accessibility, safety, and wayfinding
Complete REQUIRED	P 1.3	Conserve aquatic ecosystems	Progress	2	0 0		с	6.3	Promote equitable site use
Complete REQUIRED	P 1.4	Conserve habitats for threatened and endangered species	Progress	2	0 0	-	с	6.4	Support mental restoration
Progress 3 0 3	C 1.5	Redevelop degraded sites	Progress	0	2 0	-	с	6.5	Support physical activity
Progress 4 0 0 -		Locate projects within existing developed areas	Progress	2	0 0				Support social connection
Progress 3 0 0 -		Connect to multi-modal transit networks	No Start	0	0 4			6.7	Provide on-site food production
ingicas s o o			Progress	4	0 0			6.8	Reduce light pollution
STATUS 3 0 0		IGN ASSESSMENT + PLANNING Possible 3 points	No Start	0	0 4	-	-		Encourage fuel efficient and multi-modal transportation
Progress REQUIRED		Use an integrative design process	Progress	2	0 0	-		6.10	Minimize exposure to environmental tobacco smoke
Progress REQUIRED		Conduct a pre-design site assessment	No Start	3	0 0	-			Support local economy
			No Start	5	0 0	1.1		6.11	support local economy
		Designate and communicate VSPZs		-		1			
No Start 3 0 0 -	C 2.4	Engage users and stakeholders	STATUS	7	5 5				ICTION Possible 17 po
	_		Progress		EQUIRED				Communicate and verify sustainable construction practices
STATUS 15 1 1		IGN (WATER) Possible 23 points	Progress		EQUIRED		Ρ		Control and retain construction pollutants
Complete REQUIRED		Manage precipitation on site	Progress		EQUIRED		Ρ		Restore soils disturbed during construction
Progress REQUIRED		Reduce water use for landscape irrigation	No Start	3	0 2	1.1	С		Restore soils disturbed by previous development
Progress 6 0 0 -		Manage precipitation beyond baseline	No Start	4	0 0		С	7.5	Divert construction and demolition materials from disposal
Progress 5 1 0 -	C 3.4	Reduce outdoor water use	No Start	0	3 1		С	7.6	Divert reusable vegetation, rocks, and soil from disposal
Progress 4 0 1 -	C 3.5	Design functional stormwater features as amenities	No Start	0	2 2		С	7.7	Protect air quality during construction
Complete 0 0 0 N/A	C 3.6	Restore aquatic ecosystem							
			STATUS	12	5 5	1	OPE	RATIO	DNS + MAINTENANCE Possible 22 po
STATUS 4 3 26	SITE DES	IGN (SOIL + VEGETATION) Possible 40 points	Progress	R	EQUIRED		Р	8.1	Plan for sustainable site maintenance
Progress REQUIRED	P 4.1	Create and communicate a soil management plan	Progress	R	EQUIRED		Р	8.2	Provide for storage and collection of recyclables
Progress REQUIRED	P 4.2								Recycle organic matter
	1 4.2	control and manage invasive plants	Progress	3	1 1	-	C	8.3	
Progress REQUIRED		control and manage invasive plants Use appropriate plants	Progress Progress	3	1 1 0 0		C C		Minimize pesticide and fertilizer use
	P 4.3	Use appropriate plants		5		-	с	8.4	Minimize pesticide and fertilizer use
	P 4.3 C 4.4	Use appropriate plants Conserve healthy soils and appropriate vegetation	Progress	-	0 0	-		8.4	Minimize pesticide and fertilizer use Reduce outdoor energy consumption
Complete 0 0 6 0 Complete 0 0 4 -	P 4.3 C 4.4 C 4.5	Use appropriate plants Conserve healthy soils and appropriate vegetation Conserve special status vegetation	Progress No Start No Start	5 2 0	0 0 2 0 0 4		C C C	8.4 8.5 8.6	Minimize pesticide and fertilizer use Reduce outdoor energy consumption Use renewable sources for landscape electricity needs
Complete 0 0 6 0 Complete 0 0 4 - Complete 0 0 6 -	P 4.3 C 4.4 C 4.5 C 4.6	Use appropriate plants Conserve healthy soils and appropriate vegetation Conserve special status vegetation Conserve and use native plants	Progress No Start	5	0 0 2 0		C C	8.4 8.5	Minimize pesticide and fertilizer use Reduce outdoor energy consumption
Complete 0 0 6 0 Complete 0 0 4 - Complete 0 0 6 - Complete 0 0 6 - Complete 0 0 6 -	P 4.3 C 4.4 C 4.5 C 4.6 C 4.7	Use appropriate plants Conserve healthy soils and appropriate vegetation Conserve special status vegetation Conserve and use native plants Conserve and restore native plant communities	Progress No Start No Start Progress	5 2 0 2	0 0 2 0 0 4 2 0		c c c	8.4 8.5 8.6 8.7	Minimize pesticide and fertilizer use Reduce outdoor energy consumption Use renewable sources for landscape electricity needs Protect air quality during landscape maintenance
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Complete 0 0 6 0 Complete 0 0 4 - Complete 0 0 6 - Complete 0 0 6 - Progress 0 0 6 - Progress 0 0 - -	P 4.3 C 4.4 C 4.5 C 4.6 C 4.7 C 4.8 C 4.9	Use appropriate plants Conserve shealthy soils and appropriate vegetation Conserve special status vegetation Conserve and use native plants Conserve and restore native plant communities Optim ke biomass Reduce urban heat island effects	Progress No Start Progress STATUS No Start	5 2 0 2 3 0	0 0 2 0 0 4 2 0 8 0 4 0		C C C C EDU C	8.4 8.5 8.6 8.7 CATIO 9.1	Minimize pesticide and fertilizer use Reduce outdoor energy consumption User enewable sources for landszape electricity needs Protect air quality during landscape maintenance ON + PERFORMANCE MONITORING Possible 11 po Promote sustain ability awareness and education
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SITESv2 scorecard	Project: Northeast Gateway N	AJOR DEADLINE:	26-Mai	r			LAST	UPDATED: 7/1/2021
		/ Construction):						
Yes ? No N/A		· · · ·	Yes	? No	N/A			
STATUS 10 0 3 5	ITE CONTEXT Possible 13 point	STATUS	17	9 4		SITE DES	IGN (HUMAN HEALTH + WELL-BEIN	G) Possible 30 point
Progress REQUIRED F	1.1 Limit development on farmland	No Start	3	0 0	0	C 6.1	Protect and maintain cultural and	historic places
Progress REQUIRED F	1.2 Protect floodplain functions	No Start	2	0 0	-	C 6.2	Provide optimum site accessibility,	safety, and wayfinding
Progress REQUIRED F	1.3 Conserve aquatic ecosystems	No Start	2	0 0		C 6.3	Promote equitable site use	
Progress REQUIRED F	1.4 Conserve habitats for threatened and endangered species	No Start	2	0 0	-	C 6.4	Support mental restoration	
No Start 3 0 3 - 0	1.5 Redevelop degraded sites	No Start	0	2 0	-	C 6.5	Support physical activity	
Progress 4 0 0 - 0	C 1.6 Locate projects within existing developed areas	No Start	2	0 0	-	C 6.6	Support social connection	
Progress 3 0 0 - 0	1.7 Connect to multi-modal transit networks	No Start	0	0 4		C 6.7	Provide on-site food production	
		No Start	4	0 0	1.1	C 6.8	Reduce light pollution	
STATUS 3 0 0 P	RE-DESIGN ASSESSMENT + PLANNING Possible 3 points	No Start	0	4 0	-	C 6.9	Encourage fuel efficient and multi-	modal transportation
Progress REQUIRED F	2.1 Use an integrative design process	Progress	2	0 0	-	C 6.1	Minimize exposure to environmen	tal tobacco smoke
Progress REQUIRED F	2.2 Conduct a pre-design site assessment	No Start	0	3 0	-	C 6.1	Support local economy	
Progress REQUIRED F	2.3 Designate and communicate VSPZs							
No Start 3 0 0 - 0	2.4 Engage users and stakeholders	STATUS	8	5 4		CONSTR	UCTION	Possible 17 points
		No Start	R	EQUIRED		P 7.1	Communicate and verify sustainab	le construction practices
STATUS 5 1 11 S	ITE DESIGN (WATER) Possible 23 point	No Start	R	EQUIRED		P 7.2	Control and retain construction po	llutants
No Start REQUIRED F	9 3.1 Manage precipitation on site	No Start	R	EQUIRED		P 7.3	Restore soils disturbed during con	struction
Progress REQUIRED F	9 3.2 Reduce water use for landscape irrigation	No Start	4	0 1	1.1	C 7.4	Restore soils disturbed by previou:	s development
No Start 0 0 6 - 0	2 3.3 Manage precipitation beyond baseline	No Start	4	0 0	1.1	C 7.5	Divert construction and demolition	n materials from disposal
No Start 5 1 0 - 0	C 3.4 Reduce outdoor water use	No Start	0	3 1		C 7.6	Divert reusable vegetation, rocks,	and soil from disposal
No Start 0 0 5 - 0	C 3.5 Design functional stormwater features as amenities	No Start	0	2 2		C 7.7	Protect air quality during construct	tion
No Start 0 0 0 N/A	C 3.6 Restore aquatic ecosystem							
		STATUS	12	5 5			IONS + MAINTENANCE	Possible 22 points
	ITE DESIGN (SOIL + VEGETATION) Possible 40 point			EQUIRED		P 8.1		
Progress REQUIRED F		Progress		EQUIRED		P 8.2		of recyclables
Progress REQUIRED F		Progress	3	1 1	-		Recycle organic matter	
Progress REQUIRED F		Progress	5	00	1.1	C 8.4		
Complete 0 0 6 0 0		No Start	2	2 0		C 8.5		
Complete 0 0 4 - 0		No Start	0	0 4	-	C 8.6		
		Progress	Complete 0 0 6 - C 4.6 Conserve and use native plants Progress 2 2 0 - C 8.7 Protect air quality during landscape maintenance					
No Start 0 0 6 - 0	4.7 Conserve and restore native plant communities			2 0		C 8.7	in occer an quanty daming landscap	emannenance
		-						
No Start 0 3 0 - 0	C 4.8 Optimize biomass	STATUS	3	8 0		EDUCAT	ION + PERFORMANCE MONITORING	Possible 11 points
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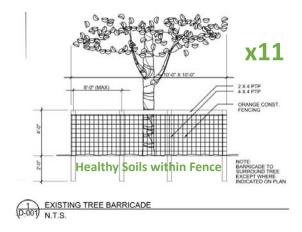
Salvaging Materials for Reuse

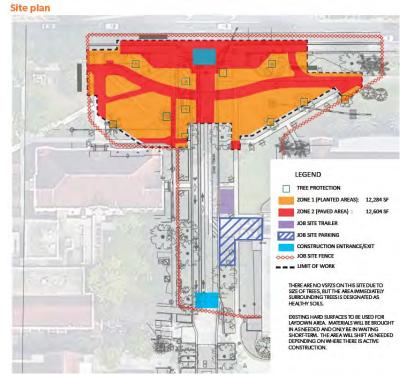


- Be mindful of our waste diversion goal of 75% (by weight)
- What materials can be reused? think cost and replacement value
- Plants
 - Need a list of plant materials already salvaged
 - Salvage plants ought to be disease free and so no sign of stress prior to moving, recommend plant societies
 - Florida native plant society
 - Florida wild flowers.org
 - Orchid society/ bromeliad/ camelias
 - Edible plant project

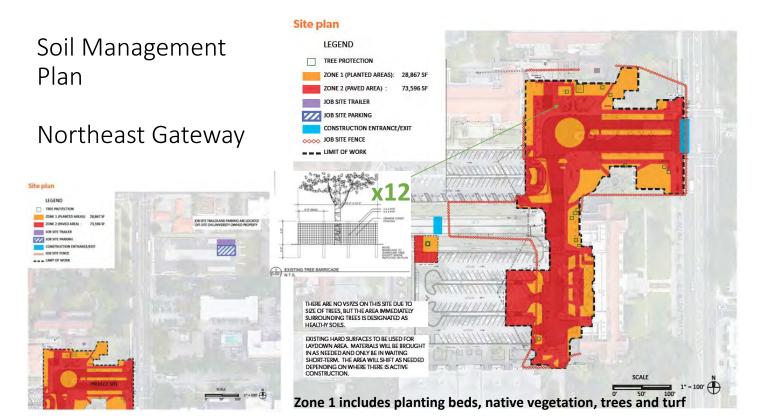
Soil Management Plan

Newell Gateway





Zone 1 includes planting beds, native vegetation, trees and turf



UF - SITES | Prerequisite Documentation | Northeast Gateway

295





Landscape beds will have remediated soils @12" depth (trees @18" depth) Landscape Topsoil conditions to meet ASTM D5268

Soil will be tested to determine amount of amendments (UF Compost) is needed prior to adding turf

Advocacy Letters for Providers, Manufacturers and Suppliers

- 5% of material cost report annual environmental performance or provide a public strategy disclosing efforts to minimize environmental impacts through <u>extraction</u> criteria
- 5% of material costs transparently report inventories of all chemicals within products and their effects to human health, lifecycle hazard, by products, emissions, impurities, etc. (complete MSDS)
 - SCOPE: Decking railings, pipes, hoses, irrigation components, lighting, membranes, extruded/spray/board foam, paints and coatings, adhesives and sealants

Advocacy Letters for Providers, Manufacturers and Suppliers

- 25% of material costs support sustainable <u>manufacturing</u> by using materials that increase energy efficiency reduce resource consumption and waste, minimize the negative affects of human health (in air or water)
- 80% of plants, sod, seed meet at least 6 requirements below
 - 1. Reduction of Potable Water Use
 - 2. Reduction of Runoff from Irrigation
 - 3. Sustainable soil Amendments/ Growing Media
 - 4. Organic Matter Recycling
 - 5. Waste Reduction

- 6. Integrated Pest Management
- 7. Prevention of Invasive Species
- 8. Reduce Energy Consumption
- 9. Use Renewable Energy
- 10. Safe and Fair Working Conditions

Punchlist

Charles Garret - CPPI

- Fill out various worksheets
 - Local construction hiring
 - Material usage
- Manage construction budget
- Verify construction material waste diversion through waste tickets
- Control and retain construction pollutants
- Communicate site assessments to construction personnel

Elizabeth Manley – Manley Design

- Photographs
- Divert construction materials by identifying onsite reclaimed materials for reuse
- Eliminate the amount of materials being wasted
- Execute strategy for restoring soil conditions
- Control and manage any invasives

SECTION 7: CONSTRUCTION



we need your

Endangered Species

Maes













Threatened Species



Recently Removed from threatened List





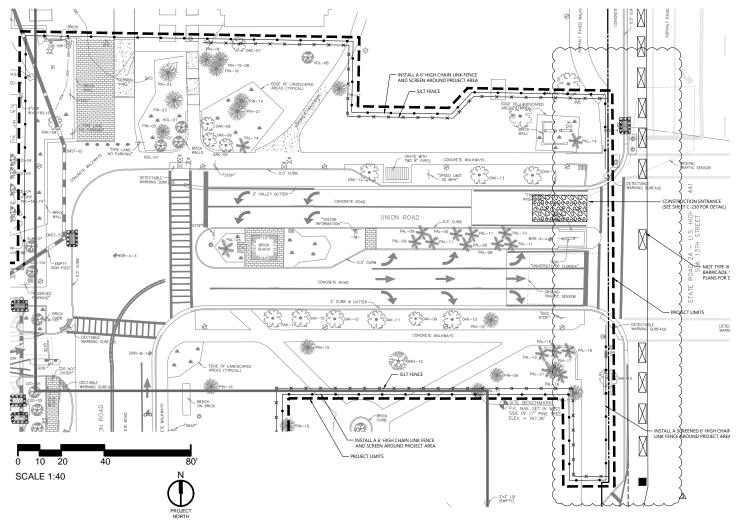
PREREQUISITE 7.2 | CONTROL AND RETAIN CONSTRUCTION POLLUTANTS

Narrative

As with most urban watersheds, erosion, sedimentation and nutrient loading are the primary water quality concerns that are common to many of the University's waterbodies. The University shall require appropriate methods of controlling soil erosion and sedimentation to help minimize the destruction of soil resources used or disturbed during site development. Such methods shall include, but are not limited to:

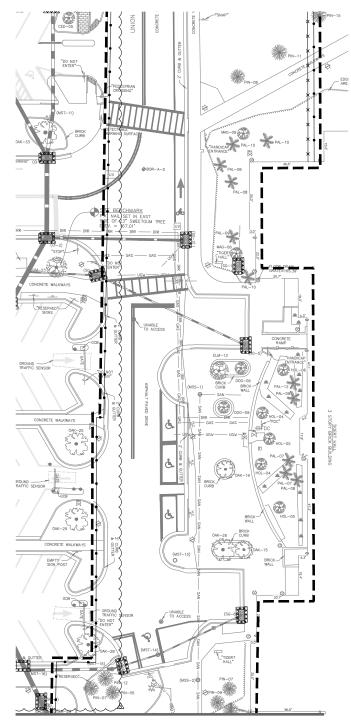
- Phasing and limiting the removal of vegetation;
- Minimizing the amount of land area that is cleared;
- Limiting the amount of time bare land is exposed to rainfall;
- Using temporary ground cover on cleared areas if construction is not imminent;
- Using silt fencing, hay bales, or other appropriate sediment barriers adjacent to drainage structures and areas of slope; and
- Maintaining vegetative cover on areas of high soil erosion potential (i.e., steep or long slopes, stormwater conveyances, etc.), where feasible

These methods will be implemented on site where applicable. Refer to plan below.



SWPPP - STORMWATER POLLUTION PREVENTION PLAN

Photos



LEC	<u>SEND:</u>
INV.	RECORD MEASUREMENT
	FIELD MEASUREMENT
	REINFORCED CONCRETE PIPE CORRUGATED METAL PIPE
CPP	CORRUGATED PLASTIC PIPE
PVC	POLYVINYL CHLORIDE PIPE
	VITRIFIED CLAY PIPE
DIP	DUCTILE IRON PIPE GATE CONTROL BOX
	AIR CONDITIONER
	BOLLARD
	BORING LOCATION
	CLEAN OUT
EB	ELECTRIC BOX
	ELECTRIC HANDHOLE
	GROUND LIGHT
	ELECTRIC METER
$\mathbf{\nabla}$	ELECTRIC TRANSFORMER
⊕FDC	FIRE DEPARTMENT CONNECTION
E	FIRE VALVE INDICATOR POST
**	FIRE HYDRANT
M	IRRIGATION VALVE
	EMERGENCY CALL BOX
	STEAM MANHOLE
-	CHILLED WATER MANHOLE GROUND ROD
	PARKING METER
	METAL LIGHT POLE WITH BRICK BASE
	METAL LIGHT POLE
	(MST) STORM WATER MANHOLE
	(MSS) SANITARY SEWER MANHOLE
	(SG) STORM GRATE
	ROOF DRAIN SIGN (AS INDICATED)
<u> </u>	HANDICAP SIGN
凶	SEWER VALVE
TB	TELEPHONE BOX
Ō	TELEPHONE MANHOLE
	UTILITY VAULT
wv	WATER METER
\bowtie	WATER VALVE
	HANDRAILS FENCE LINES
	OVERHEAD ELECTRIC LINES
*	UNDERGROUND WATER LINES
	UNDERGROUND STORM WATER LINES UNDERGROUND SANITARY SEWER LINES
	UNDERGROUND SANTIART SEWER LINES
**	UNDERGROUND IRRIGATION LINES
UE (NFV)	UNDERGROUND ELECTRIC (NFV) WATER (NFV)
W(NEV)	CHILLED WATER RETURN (NFV)
CHS (NFV)	CHILLED WATER SERVICE (NEV)
STM (NFV)	STEAM (NFV) STEAM CONDUIT (NFV)
CON (NPV) -	STEAM CONDUIT (NFV)
GAS (NFV) -	FIBER/TELEPHONE (NFV) GAS (NFV)
IRR (NPV)	IRRIGATION (NFV)
IF NF/	SANITARY (NFV) UNDERGROUND ELECTRIC (STREET LIGHTS)(NFV)
UE (NPV)	UNDERGROUND ELECTRIC (STREET LIGHTS)(NEV)
	((1 · · ·)





SECTION 7: CONSTRUCTION

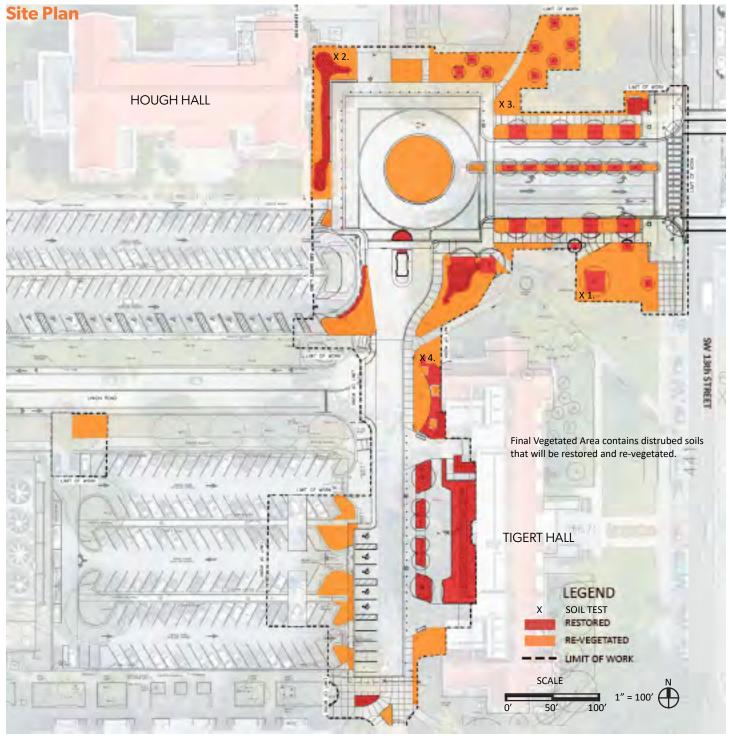
Photos



PREREQUISITE 7.3 RESTORE SOILS DISTURBED DURING CONSTRUCTION

Narrative

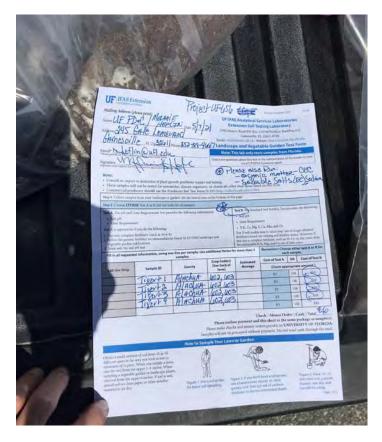
Imported soils used within the planting areas of the Northeast Gateway were placed at the required depth of 12". The imported material was procured from O'Steen Brothers of Gainesville, and consisted of stockpiled topsoil imported for the project. This topsoil was procured from other construction sites within the Gainesville area through the stripping of the top 6" of soil prior to any significant earthwork taking place. Native landscape plantings comprising the rain gardens were backfilled to a depth of 24" as required by the project documents. This specified mix, from O'Steen Brothers of Gainesville, consisted of 50% sand, 30% topsoil and 20% compost. Post construction test results are below.



Soil Tests

The tested restored final soil conditions meet final soil restoration criteria.

- **1. Organic matter:** The top 12 18 in. of soil on site contains 3% of organic matter. The organic matter is provided through the addition of compost.
- 2. Compaction: The bulk density of the final soils are ≤ the reference soil bulk density of 1.2 g/cm³. The bulk densities do not exceed the maximum values given in P7.3 A.
- **3. Soil Chemical characteristics:** Soil chemistry is adjust for plant growth per testing lab recommendations. Refer to the soil test for PH, soluble salts, cation exchange capacity, extractable phosphorus, potassium, calcium, and magnesium.



Compaction

Sample ID	Bulk Density (g/cm ³)
Tigert 1	0.99
Tigert 2	1.41
Tigert 3	1.22
Tigert 4	1.48

Organic Matter

	Completed	EC	OrgMat	
Lab Number	Sample Id	dS/m	%	
E180020	Tigert 1	0.27	3.84	
E180021	Tigert 2	0.24	3.57	
E180022	Tigert 3	0.22	3.84	
E180023	Tigert 4	0.22	3.10	

Soil Test 1

Soil Test Results and Their Interpretations

Target pH: 5.5	This is the pH at which the above crop will grow at its optimum
pH (1:2 Sample:Water): 8.0	This is the pH of your sample in water medium
A-E Buffer Value: N/A	Buffer pH is the pH of your soil in Adams-Evans Buffer(A-E Buffer). This is done to
	determine the lime requirement, which will help increase the soil pH to the target pH level desired by the crop. If the pH is higher than Target pH, Buffer pH will not be determined

	AB-DTPA Extractable Nutrients						
Nutrients	Level mg/kg or ppm	Interpretation	Nutrient	ts n	Level ng/kg or ppm		
Phosphorus (P)	27	HIGH	Sulfur (S	S)	10.3	*For these nutrients see	
Potassium (K)	62		Copper (Cu	u)	0.5	directions on the	
Magnesium (Mg)	8		Manganese (Mr	n)	2.1	following pages	
			Zinc (Zr	n)	1.3		
Calcium (Ca)	168	Ca is typically	adequate in Florid	da soi	ls	<u> </u>	

Soil Test 2

	Soil Test Results and Their Interpretations
Target pH: 5.5	This is the pH at which the above crop will grow at its optimum
pH (1:2 Sample:Water): 8.1	This is the pH of your sample in water medium
A-E Buffer Value: N/A	Buffer pH is the pH of your soil in Adams-Evans Buffer(A-E Buffer). This is done to determine the lime requirement, which will help increase the soil pH to the target pH level desired by the crop. If the pH is higher than Target pH, Buffer pH will not be determined

	AB-DTPA Extractable Nutrients						
Nutrien	nts	Level mg/kg or ppm	Interpretation	Nutrients	Level mg/kg or ppm		
	(P)	31	HIGH	Sulfur (S)	7.8	*For these nutrients see	
Potassium (Magnesium (M	(K) lg)	72 11		Copper (Cu) Manganese (Mn)	0.6 2.4	directions on the following pages	
				Zinc (Zn)	1.6	iono mila puges	
Calcium (C	Ca)	183	Ca is typically	/ adequate in Florida s	oils	<u> </u>	

Soil Test 3

Soil Test Results and Their Interpretations

Target pH: 5.5	This is the pH at which the above crop will grow at its optimum
pH (1:2 Sample:Water): 8.1	This is the pH of your sample in water medium
A-E Buffer Value: N/A	Buffer pH is the pH of your soil in Adams-Evans Buffer(A-E Buffer). This is done to determine the lime requirement, which will help increase the soil pH to the target pH level desired by the crop. If the pH is higher than Target pH, Buffer pH will not be determined

	AB-DTPA Extractable Nutrients						
Nutri	ents	Level mg/kg or ppm	Interpretation	Nutrients	Level mg/kg or ppm		
Phosphorus Potassium Magnesium	(P) (K) (Mg)	29 59 10	HIGH	Sulfur (S) Copper (Cu) Manganese (Mn) Zinc (Zn)	7.2 0.5 2.0 1.6	*For these nutrients see directions on the following pages	
Calcium	(Ca)	192	Ca is typically	y adequate in Florida s	oils	<u> </u>	

Soil Test 4

	Soil Test Results and Their Interpretations
Target pH: 5.5	This is the pH at which the above crop will grow at its optimum
pH (1:2 Sample:Water): 8.1	This is the pH of your sample in water medium
A-E Buffer Value: N/A	Buffer pH is the pH of your soil in Adams-Evans Buffer(A-E Buffer). This is done to determine the lime requirement, which will help increase the soil pH to the target pH level desired by the crop. If the pH is higher than Target pH, Buffer pH will not be determined

	AB-DTPA Extractable Nutrients									
Nutri	ents	Level mg/kg or ppm	Interpretation	Nutrients	Level mg/kg or ppm					
Phosphorus	(P)	30	HIGH	Sulfur (S)	7.9	*For these nutrients see				
Potassium	(K)	66		Copper (Cu)	0.7	directions on the				
Magnesium (Mg)	11		Manganese (Mn)	2.2	following pages				
				Zinc (Zn)	1.6	1011011118 10800				
Calcium	(Ca)	195	Ca is typically	adequate in Florida	soils)				

CREDIT 7.4 | RESTORE SOILS DISTURBED BY PREVIOUS DEVELOPMENT

Narrative

Goal: 3 points

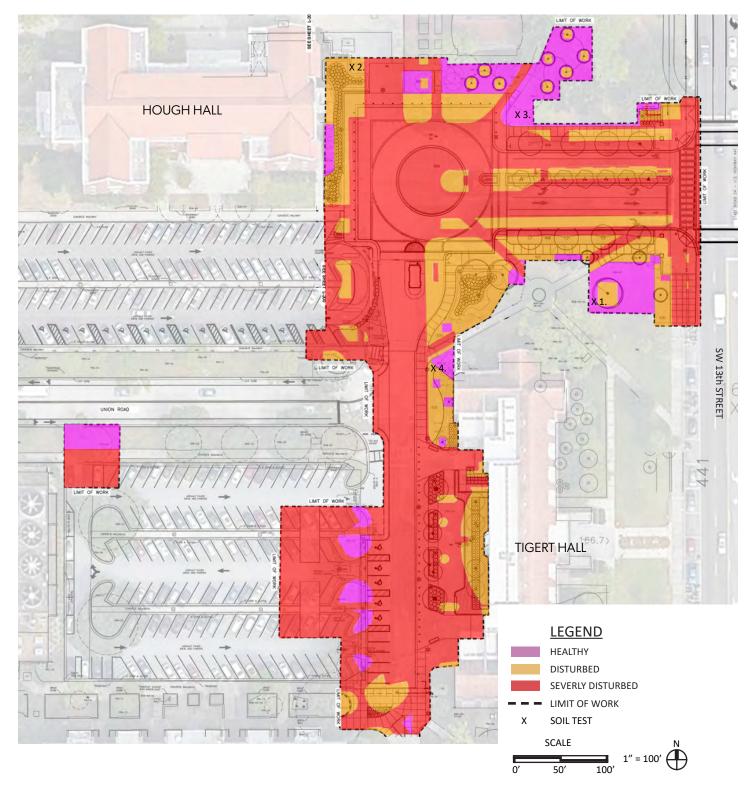
Imported soils used within the planting areas of the Newell Gateway, other than the rain gardens, were placed at the required depth of 12". The imported material was procured from O'Steen Brothers of Gainesville, and consisted of stockpiled topsoil imported for the project. This topsoil was procured from other construction sites within the Gainesville area through the stripping of the top 6" of soil prior to any significant earthwork taking place. Native landscape plantings comprising the rain gardens were backfilled to a depth of 24" as required by the project documents. This specified mix, from O'Steen of Gainesville, consisted of 50% sand, 30% topsoil and 20% compost. Post construction test results are below.

Provided is a PDF showing the degrees of disturbance of soil & quantity takeoffs. The red shows the location for all disturbed soils. Disturbed soils are areas disturbed by human development activities such as grading, excavation, or compaction, and seriously disturbed soils are soils where topsoil was removed or not present; IE areas covered by buildings or paved surfaces.

The total project area for the Northeast Gateway is about 97,907 SF, the area of healthy soil is about 15,781 SF, the area of disturbed soil is about 20,403 SF, and the area of seriously disturbed soils is about 61,723 SF. Based on these values, the total % area of healthy soils vs. disturbed soils vs. seriously disturbed soils on Northeast Gateway is 16.12% to 20.84% to 63.04%.

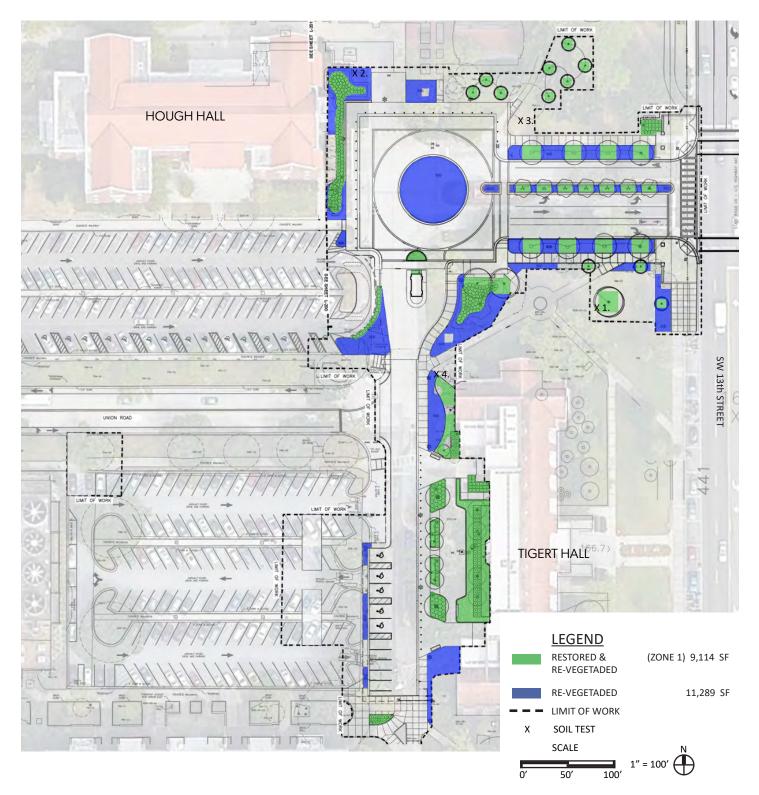
SECTION 7: CONSTRUCTION

Site Plan

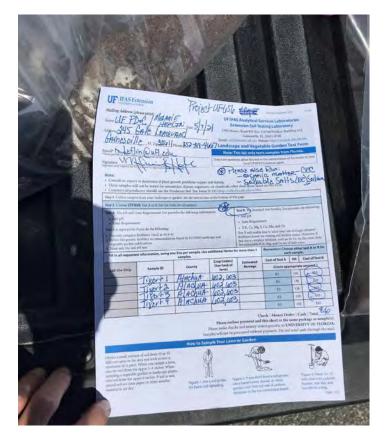


SECTION 7: CONSTRUCTION

The total project area for the Northeast Gateway is 97,907 SF, the area of restored & revegetated soil is 9,114 SF, which 9.31% of total site area. The additional area to be re-vegetated is 11,289 SF, which is 11.53% of total site area. The total area of revegetation is 20,403 SF, which is 20.84% of total site area.



Soil Tests



Compaction

Sample ID	Bulk Density (g/cm ³)
Tigert 1	0.99
Tigert 2	1.41
Tigert 3	1.22
Tigert 4	1.48

Organic Matter

Lab Number	Sampla Id	EC	OrgMat
	Sample lu	dS/m	%
E180020	Tigert 1	0.27	3.84
E180021	Tigert 2	0.24	3.57
E180022	Tigert 3	0.22	3.84
E180023	Tigert 4	0.22	3.10

Soil Test 1

	Soil Test Results and Their Interpretations
Target pH: 5.5	This is the pH at which the above crop will grow at its optimum
pH (1:2 Sample:Water): 8.0	This is the pH of your sample in water medium
A-E Buffer Value: N/A	Buffer pH is the pH of your soil in Adams-Evans Buffer(A-E Buffer). This is done to determine the lime requirement, which will help increase the soil pH to the target pH level desired by the crop. If the pH is higher than Target pH, Buffer pH will not be determined

	AB-DTPA Extractable Nutrients									
Nutrien	ts	Level mg/kg or ppm	Interpretation	Nutrients	Level mg/kg or ppm					
Phosphorus (P)	27	HIGH	Sulfur (S)	10.3	*For these nutrients see				
Potassium (К)	62		Copper (Cu)	0.5	directions on the				
Magnesium (M	g)	8		Manganese (Mn)	2.1	following pages				
				Zinc (Zn)	1.3	ionoting puges				
Calcium (C	Ca)	168	Ca is typically	adequate in Florida	soils)				

Soil Test 2

	Soil Test Results and Their Interpretations
Target pH: 5.5	This is the pH at which the above crop will grow at its optimum
pH (1:2 Sample:Water): 8.1	This is the pH of your sample in water medium
A-E Buffer Value: N/A	Buffer pH is the pH of your soil in Adams-Evans Buffer(A-E Buffer). This is done to
	determine the lime requirement, which will help increase the soil pH to the target pH level desired by the crop. If the pH is higher than Target pH, Buffer pH will not be determined

	AB-DTPA Extractable Nutrients									
Nutrien	nts	Level mg/kg or ppm	Interpretation	Nutrients	Level mg/kg or ppm					
Phosphorus ((P)	31	HIGH	Sulfur (S)	7.8	*For these nutrients see				
Potassium ((К)	72		Copper (Cu)	0.6	directions on the				
Magnesium (M	lg)	11		Manganese (Mn)	2.4	following pages				
				Zinc (Zn)	1.6	ionowing pages				
Calcium (C	Ca)	183	Ca is typically	adequate in Florida se	oils	J				

Soil Test 3

Soil Test Results and Their Interpretations

	son rest hesuits and then interpretations
Target pH: 5.5	This is the pH at which the above crop will grow at its optimum
pH (1:2 Sample:Water): 8.1	This is the pH of your sample in water medium
A-E Buffer Value: N/A	Buffer pH is the pH of your soil in Adams-Evans Buffer(A-E Buffer). This is done to determine the lime requirement, which will help increase the soil pH to the target pH level desired by the crop. If the pH is higher than Target pH, Buffer pH will not be determined

	AB-DTPA Extractable Nutrients									
Nutr	ients	Level mg/kg or ppm	Interpretation	Nutrients	Level mg/kg or ppm					
Phosphorus	(P)	29	HIGH	Sulfur (S)	7.2	*For these nutrients see				
Potassium	(K)	59		Copper (Cu)	0.5	directions on the				
Magnesium	(Mg)	10		Manganese (Mn)	2.0	following pages				
				l Zinc (Zn)	1.6	01.0				
Calcium	(Ca)	192	Ca is typically	/ adequate in Florida s	oils	<u> </u>				

Soil Test 4

	Soil Test Results and Their Interpretations
Target pH: 5.5	This is the pH at which the above crop will grow at its optimum
pH (1:2 Sample:Water): 8.1	This is the pH of your sample in water medium
A-E Buffer Value: N/A	Buffer pH is the pH of your soil in Adams-Evans Buffer(A-E Buffer). This is done to determine the lime requirement, which will help increase the soil pH to the target pH level desired by the crop. If the pH is higher than Target pH, Buffer pH will not be determined

	AB-DTPA Extractable Nutrients									
Nutri	ents	Level mg/kg or ppm	Interpretation	Nutrients	Level mg/kg or ppm					
Phosphorus	(P)	30	HIGH	Sulfur (S)	7.9	*For these nutrients see				
Potassium	(K)	66		Copper (Cu)	0.7	directions on the				
Magnesium	(Mg)	11		Manganese (Mn)	2.2	following pages				
				Zinc (Zn)	1.6	ionowing pages				
Calcium	(Ca)	195	Ca is typically	/ adequate in Florida	soils	J				

CREDIT 7.5 DIVERT CONSTRUCTION AND DEMOLITION MATERIALS FROM DISPOSAL

Narrative

Goal: 4 points

During construction of the Northeast Gateways the contractor, CPPI, took extensive measures to ensure that we met the project goal of diverting 75% of structural materials and 95% of road and infrastructure materials from the job sites by recycling, salvaging, or

reusing on the project. Materials considered under the structural materials designation include but are not limited to: bricks, steel, and wood. Materials considered under infrastructure and road materials include but are not limited to: pavement and drainage structures. For all structural materials with the project, CPPI made a list of all materials to keep track of that were deemed structural by SITES' definition stated above. From this list, we devised a plan on site for properly disposing of/reusing these structural materials back into the project sites as follows:

- For waste, CPPI placed 1 dumpster at each project site during the entire duration of construction to collect all waste material that could not be recycled during the project.
- For recyclables, CPPI stacked all recyclable materials near the dumpster and called a recycling agency to collect the recyclable materials on site when a sufficient load could be taken.
- For reusable material, CPPI stacked these away from the dumpster & wrapped in plastic wrap to be reused on each project site as needed and transported using heavy equipment.

We then setup meetings to implement these plans with the subcontractors responsible to assist CPPI with keeping track of specific materials that fell under their scope of work and eligible to be recycled or reused on the project. If the material fit neither of these categories, the subcontractor was then directed to dispose in the waste dumpster. CPPI kept a log of the tonnage of each material that was disposed in waste, recyclable, and reused on the project and calculated the percentage amount recycled or reused based on the total quantities calculated. For all road and infrastructure materials with the project, CPPI made a list of all materials to keep track of that were deemed road and infrastructure by SITES' definition stated above. From this list, we devised a plan on site for properly disposing of/reusing these road and infrastructure materials back into the project sites as follows:

- For waste, CPPI placed 1 dumpster at each project site during the entire duration of construction to collect all waste material that could not be recycled during the project.
- For recyclables, CPPI stacked all recyclable materials near the dumpster and called a recycling agency to collect the recyclable materials on site when a sufficient load could be taken.
- For reusable material, CPPI stacked these away from the dumpster & wrapped in plastic wrap to be reused on each project site as needed and transported using heavy equipment.

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Due to the scope of work for this project, most of the reported values for waste diversion related to road & infrastructure material. The only existing structures from the project site was a gatehouse. When talking with our team, it was determined that the split between road & infrastructure & structural waste diverted from landfill was a 96%-4% road & infrastructure – structural. All of the C&D landfill waste reported is related to structural waste, showing that 100% of all road & infrastructure material was diverted from waste. Reworking the calculations, it was found that 50.77% of the structural waste from the existing gatehouse & wall was diverted from landfill.

Calculations

Project Name:			UF-656	LMP	_				Total Waste Tons		2570.30
	P	Percent Diverted		96%		Project Goal	75%		Total Div	erted Tons	2474.34
						Florida Stat	ute 403.7032				
							WASTE DIVER	SION			
	C&D Landfilled Waste	Class I MSW	Land Clearing Debris	Cardboard and Paper	Metals	Concrete, Asphalt, Masonry	Bottles and Cans	Wood	Drywall	E-Waste	MISC. Diversion
MONTH	shingles, plumbing, windows, insulation	Household garbage, plastic film, scrapped equipment	trees, limbs, landscape, sod, rocks etc	corrugated, boxboard, white and craft paper	scrap metal, sheet metal, wire, rebar	asphalt, concrete, brick, CMU, clay roof tile	cans, bottles, glass	scrap wood, pallets, non- pressure treated	gypsum board, wallboard, sheetrock	electronics, controls, appliances	ceiling tile or carpet tile recycling, donated or repurposed material
	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)	(tons)
January	6.13		387.10								
February	10.66		129.03								
March						176.09					
April	8.84										
May	10.33										
June											
July											
August											
September											
October	60.00					1494.44					
November						803.81					
December											
Tota	95.96	0.00	516.13	0.00	0.00	2474.34	0.00	0.00	0.00	0.00	0.00
Builder shall submit th	is, monthly, to	Facilities Service	es Recycling and	Solid Waste Mar	agement	Recycling-and-V	Vaste@Facilities	Services.u	fl.edu), and	CC the UF P	M.

Concrete, Asphalt, Masonry Recalculations (96% road & infrastructure; 4% structural) - Total: 2,474.34 Tons

- 2,474.34 * 0.04 = 98.9736 tons

- (98.9736 + 95.96 = 194.9336 tons - (98.9736/194.9336) * 100 = 50.77% structural waste recycled

- 100% of road & infrastructure material was recycled; 2474.34 * 0.96 = 2,375.3664 tons

	Concrete Size	LBS	Tons	Total Tons	
10/18/2021		-			
	80'X28X8"	372,903	186.45		
	90'X35'X8"	524,394	262.20		
	70'X20'X8"	233,064	116.53		
	90'X4'X4"	29,965	14.98		
	200'X2'X9"	74,914	37.46		
	200'X8"X18"	49,942	24.97		
Total		45,542	24.37	642.59	
Total				042.33	
10/19/2021					
	65'X19'X8"	205.596	102.80		
	190'X7'X5"	138,382	69.19		
	190 X7 X5	368,575	184.29		
	74'X16'X8" 65'X2'X9"	197,105	98.55		
		24,347			
	65'X18"X8"	16,231	8.12		
	66'X36'X8"	395,544	197.77		
Total				672.89	
Oct 20, 2021					
	86'X19'X8"	272,019	136.01		
	86'X6'X5"	53,688			
	86'X2'X9"	32,213	16.11		
Total				178.96	
Nov 8, 2021			1		
	58'X28'2"		20.30		
Concrete		181.915	90.95		
Total		.01,913	50.93	111.25	
TOLAT				111.23	
Nov 9, 2021					
	41/222/227		16.40		
	41'X32'X2" 34'X41'X6"	174.049	16.40		
	34 X41 XD"	1/4,049	87.02	103.4246	
Total]	103.4246	
ov 11, 2021					
	90'X31'X2"		34.88		
	42'X37'X6"	194,026	97.01		
				131.89	
Total					
Total					
Total lov 29, 2021	21'X13'X6"	34,086	17.04		
Total lov 29, 2021	21'X13'X6" 100'X6'X4"	34,086	24.97		
Total					
Total	100'X6'X4"	49,942	24.97		
Total	100'X6'X4" 82'X6'X4"	49,942 40,953 35,959	24.97 20.48		
Total	100'X6'X4" 82'X6'X4" 48'X9'4"	49,942 40,953	24.97 20.48 17.98		
Total	100'X6'X4" 82'X6'X4" 48'X9'4" 72'X5'4" 60'X8'X6"	49,942 40,953 35,959 29,965 59,931	24.97 20.48 17.98 14.98 29.97		
Total	100'X6'X4" 82'X6'X4" 48'X9'4" 72'X5'4" 60'X8'X6" 64'X5'X4"	49,942 40,953 35,959 29,965 59,931 26,636	24.97 20.48 17.98 14.98 29.97 13.32		
Total	100'X6'X4" 82'X6'X4" 48'X9'4" 72'X5'4" 60'X8'X6" 64'X5'X4" 18'X28"X15"	49,942 40,953 35,959 29,965 59,931 26,636 13,110	24.97 20.48 17.98 14.98 29.97 13.32 6.55		
Total	100'X6'X4" 82'X6'X4" 48'X9'4" 72'X5'4" 60'X8'X6" 64'X5'X4" 18'X28"X15" 50'X28"X15"	49,942 40,953 35,959 29,965 59,931 26,636 13,110 36,416	24.97 20.48 17.98 14.98 29.97 13.32 6.55 18.21		
Total	100'X6'X4" 82'X6'X4" 48'X9'4" 72'X5'4" 60'X8'X6" 64'X5'X4" 18'X28"X15" 50'X28"X15" 13'X28"X15"	49,942 40,953 35,959 29,965 59,931 26,636 13,110 36,416 9,468	24.97 20.48 17.98 14.98 29.97 13.32 6.55 18.21 4.73		
Total	100'X6'X4" 82'X6'X4" 48'X9'4" 72'X5'4" 60'X8'X6" 64'X5'X4" 18'X28"X15" 13'X28"X15" 13'X28"X15"	49,942 40,953 35,955 59,931 26,636 13,110 36,416 9,468 9,468	24.97 20.48 17.98 14.98 29.97 13.32 6.55 18.21 4.73 4.73		
Total	100'X6'X4" 82'X6'X4" 48'X9'4" 72'X5'4" 64'X5'X4" 64'X5'X4" 18'X28"X15" 50'X28"X15" 13'X28"X15" 13'X28"X15" 13'X28"X15	49,942 40,953 35,959 29,965 59,931 26,636 13,110 36,416 9,468 9,468 9,468	24.97 20.48 17.98 14.98 29.97 13.32 6.55 18.21 4.73 4.73 6.37		
Total	100"X6"X4" 82"X6"X4" 48"X9"4" 22"X5"4" 60"X8"X6" 64"X5"X4" 18"X28"X15" 13"X28"X15" 13"X28"X15" 13"X28"X15" 13"X28"X15" 13"X28"X15" 54"X27"X8"	49,942 40,953 35,955 59,931 26,636 13,110 36,416 9,468 9,468	24.97 20.48 17.98 14.98 29.97 13.32 6.55 18.21 4.73 4.73 6.37 121.36		
Total ov 29, 2021	100'X6'X4" 82'X6'X4" 48'X9'4" 72'X5'4" 64'X5'X4" 64'X5'X4" 18'X28"X15" 50'X28"X15" 13'X28"X15" 13'X28"X15" 13'X28"X15	49,942 40,953 35,959 29,965 59,931 26,636 13,110 36,416 9,468 9,468 9,468	24.97 20.48 17.98 14.98 29.97 13.32 6.55 18.21 4.73 4.73 6.37		

Documentation

Nov 30, 202 Image: margine state	39.29		
57/287435" 41,515 107287415" 7,283 217387415" 15,285 127387415" 55,285 12738745" 55,189 1472727" 55,189 1472727" 52,189 1971276" 59,433 1971276" 59,433			
57/287/15" 41,515 107/287/15" 7,288 217/287/15" 15,285 127/287/15" 5,740 147/27" 53,189 147/27" 53,189 147/27" 54,221 197/27/05" 54,433 147/37.6" 13,944	15.57		
21/32/X15" 15,265 27/32/X15" 3,740 14/32/X15" 53,189 42/32/X9" 53,189 27/2006" 242,221 39'X12/X6" 54,433 14'X78/5" 13,394	20.76		
21/28/3/15" 15,285 27/28/3/5" 3,740 42/32/99" 53,189 March 7, 2022 97/2006" 242,221 39'312/86" 54,433 34'37.86" 13,394	3.64		
14272787 53,189 March 7, 2022 977X20X67 242,221 387X127X67 58,433 147X87X67 13,984	7.65		
142'X2'X9" 53,189 March 7, 2022 97'X20X6" 242,221 39'X12'X6" 58,433 14'X3'X6" 13,984	4.37		
97'X20X6" 242,221 39'X12'X6" 58,433 14'X8'X6" 13,984	26.59		
97'X20X6" 242,221 39'X12'X6" 58,433 14'X8'X6" 13,984		117.86	
97'X20X6" 242,221 39'X12'X6" 58,433 14'X8'X6" 13,984			
39'X12'X6" 58,433 14'X8'X6" 13,984	121.11		
14'X8'X6" 13,984	29.22		
Agheli 61712748"	6.99		
	18.77		
		176.09	

Northeast

- C&D Landfill 57.58 tons (All structural) Land Clearing 309.68 tons (Excluded from total)
- Concrete, Asphalt, Masonry 1,484.604 tons (Total) Concrete, Asphalt, Masonry 1,484.604 * 0.96 =
- 1,425.21984 tons (road & infrastructure recycled)
- Concrete, Asphalt, Masonry 1,484.604 * 0.04 = 59.38416 tons (structural recycled)

CREDIT 7.6 DIVERT REUSABLE VEGETATION, ROCKS, AND SOIL FROM DISPOSAL

Narrative

Goal: 4 points

100% of all plant material, rock waste, and soils generated during the land-clearing activities have been retained on site. The location of receiving agent is located 2 miles away from the project site, but is retained on the UF campus. The calculations provided for the waste reporting log for land clearing debris represents the total weight of all land clearing debris (plants, rocks, soils, etc.) that was reallocated for use throughout the site. Nothing was hauled off the site during construction for any land clearing debris. This value does not include invasive plant species, which were demolished from the project sites & relocated to another farm within 50 miles of the project. From the calculations, the total weight of all land clearing debris equals 516.13 tons for both Newell & Northeast projects, with broken out values provided with the recalculations.

As the construction manager of the project, I Charles Garrett, confirm that 100% of all plant material, rock waste, and soils generated during the land-clearing activities have been retained on site.

Charles Garrett

10/27/2022 | 1:30 PM EDT

Documentation



Location of Receiving Agents



Signature

MADM

CREDIT 7.7 | PROTECT AIR QUALITY DURING CONSTRUCTION

Narrative

Goal: 4 points

This policy was enforced by all personnel from Charles Perry Partners, Inc. as well as the foreman from subcontractors using the heavy equipment (i.e. Hicks Asphalt Paving and Concrete & Utility Service of Gainesville, Inc.). A meeting took place with all applicable personnel to issue the policy and ensure everyone is aware of the standard for the project. If there was anyone who failed to follow this policy, a 3-strike limit would have been enforced, with the 1st and 2nd strikes being warnings and the 3rd strike being termination from the job site. At which time this occurs, if at all, the subcontractor at fault will be responsible for providing additional personnel to continue the flow of work without delaying the project schedule.

Construction Equipment Used On Site

All of the machines are equipped with Tier IV Final emissions equipment. There are no records of the fuel purchased for the equipment because they are refilled from fuel cells on the work trucks.

USI Fuel Consumption

•	2020 CAT 323 Excavator (2.7-4.0 gph)	166.8 hrs.	~558.6 gallons
•	2020 CAT 305E2 Mini Excavator (1-1.5 gph)	154.8 hrs.	~201 gallons
•	2020 Volvo L60H Wheel Loader (1.4-2.0 gph)	286.8 hrs	~487.8 gallons
•	2021 CAT 420 Backhoe (1.5-2.7 gph)	169.8 hrs.	~357 gallons

Hicks Fuel Consumption

 CAT D5K Bulldozer (3.0 gph) 	480 hrs.	~1,440 gallons
 JD 544 Front End Loader (2.0 gph) 	480 hrs.	~960 gallons
 CAT 316 Excavator (2.5 gph) 	480 hrs	~1,200 gallons
 289 Skid Steer (2.0 gph) 	480 hrs.	~960 gallons
 CAT 1000 Paver (4.0 gph) 	480 hrs.	~1,290 gallons
 CB54B Roller (2.3 gph) 	480 hrs.	~1,104 gallons
 JD670D Grader (2.0 gph) 	480 hrs.	~960 gallons

All equipment fully serviced at 4000 hrs.



UF-656 Landscape Master Plan – C7.7 Idle Reduction Policy

Background

Air pollution is a huge concern for ground-level ozone emissions from heavy equipment diesel engines on construction sites. This impacts worker health as well as quality of life for construction workers and citizens living in the area. Heavy equipment exhaust, including that from idling heavy equipment, contributes tremendously to air pollution in the area.

Statement of Purpose

The purpose of this policy is to protect the health of the workers, pedestrians, and environment from exposure to equipment exhaust; reduce engine wear on equipment; decrease fuel consumption; & minimize costs.

Definition

For this policy, the term "heavy equipment" refers to diesel engine vehicles such as dozers, excavators, backhoes, etc. operated by subcontractors on the jobsite to complete tasks for the project. All heavy equipment regardless of tier rating used ultra-low sulfur diesel when working on the project. Engine tiers for each piece of equipment is defined as follows:

- Tier 1 an engine subject to tier 1 new engine emission standards in title 13, CCR, section 2423(b)(1)(A) and/or title 40, CFR, part 89.112(a).
- Tier 2 an engine subject to tier 2 new engine emission standards in title 13, CCR, section 2423(b)(1)(A) and/or title 40, CFR, part 89.112(a).
- Tier 3 an engine subject to tier 3 new engine emission standards in title 13, CCR, section 2423(b)(1)(A) and/or title 40, CFR, part 89.112(a).
- Tier 4 an engine subject to tier 4 new engine emission standards in title 13, CCR, section 2423(b)(1)(A) and/or title 40, CFR, part 89.112(a).

Statement of Policy

It is the policy from <u>Charles Perry Partners, Inc.</u> to enforce on all subcontractors utilizing heavy equipment, specifically <u>Hicks Asphalt Paving and Concrete</u> & <u>Utility Service of Gainesville, Inc.</u>, to have operators turn off equipment engines and not sit idle for more than 5 minutes if work is not being conducted. Work includes, but is not limited to:

- Excavation
- Installing asphalt base
- Grading

Exemptions

This policy of turning off equipment engines when stopped does not apply for the periods during which idling is necessary according to the following situations:

- 1. Work is being conducted during times where no sunlight is available (early morning & late evening)
- When direction of work is unclear and clarification to continue operating is necessary for periods of 15 minutes or less
- 3. When work requires equipment to hold heavy material in place to be installed

In any of these cases, if equipment can be run from battery, operators should refrain from idling unless there is major concern with draining the battery.

Implementation

This policy will be effective until the end of the construction project.

Equipment Maintenance Plan



construction management 1 design build 1 general contracting

UF-656 LMP – Credit 7.7 Equipment Maintenance Plan

- CAT 305E2-CR (Mini Excavator)
 - Every 50 service hours:
 - Grease front implement
 - Every 500 miles:
 - Engine oil & filter maintenance
 - SOS oil sampling valve & overall long-term durability for easy extraction
- CAT 323 (Hydraulic Excavator) All daily maintenance should be done at ground level. Use oil dipstick provided to check engine oil; monitor filter life via the in-cab monitor, maximum 1,000 hours between service then double the interval. Replace hydraulic oil filter every 3,000 hours. Scheduled Oil Sampling (S.O.S.) ports are located on ground level for easy extraction of samples
- CAT 420 (Backhoe Loader)
 - Every 10 service hours, the following maintenance must occur:
 - Backhoe boom, stick, bucket, & cylinder bearings Lubricate
 - Backup alarm Test
 - Braking system Test
 - Cooling system coolant level Check
 - Engine air filter service indicator Inspect
 - Engine oil level Check
 - Fuel system water separator Drain
 - Hydraulic system oil level Check
 - Loader bucket, cylinder, & linkage bearings Lubricate
 - Seat belt Inspect
 - Stabilizer Clean/inspect
 - Stabilizer & cylinder bearings Lubricate
 - Swing frame & cylinder bearings Lubricate
 - Tire inflation Check
 - Transmission oil level Check
 - Wheel nut torque Check
 - 50 service hours:
 - Cab filter (fresh air) Clean/Inspect/Replace
 - Cab filter (recirculation) Clean/Inspect/Replace
 - Fuel tank water & sediment Drain
 - Parking brake Check/Adjust
 - o 250 service hours:
 - Axle breathers Clean/Replace
 - Belts Inspect/Adjust/Replace
 - Differential oil level (Front) Check
 - Differential oil level (Rear) Check
 - Engine oil sample Obtain
 - Extendable stick pads Inspect/Adjust

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- Final drive oil level (Front) Check
- Final drive oil level (Rear) Check
- Power side-shift stabilizer wear pads Inspect
- Side-shift stabilizer wear pads Inspect/Adjust
- 500 service hours:
 - Cooling system coolant sample (Level 1) Obtain
 - Differential oil sample (Front) Obtain
 - Differential oil sample (Rear) Obtain
 - Drive shaft spline Lubricate
 - Engine oil & filter Change
 - Final drive oil sample (Front) Obtain
 - Final drive oil sample (Rear) Obtain
 - Fuel system filter & water separator Replace
 - Fuel system secondary filter Replace
 - Hydraulic oil sample Obtain
 - Hydraulic system oil filter Replace
 - Transmission oil filter Replace
 - Transmission oil sample Obtain
- 1,000 service hours:
 - Differential oil (Front) Change
 - Differential oil (Rear) Change
 - Engine valve lash Check
 - Final drive oil (Front) Change
 - Final drive oil (Rear) Change
 - Rollover protective structure (ROPS) Inspect
 - Transmission magnetic screen Clean
 - Transmission oil Change
 - Wheel bearings (Front) Lubricate
- 2,000 service hours:
 - Engine crankcase breather Replace
 - Hydraulic system oil Change
 - Receiver dryer (Refrigerant) Replace
- Every year:
 - Cooling system coolant sample (Level 2) Obtain
- 3,000 service hours:
- Cooling system water temperature regulator Clean/Replace
- Every 3 years after date of installation:
 - Seat belt Replace
- 6,000 service hours:
 - Cooling system coolant extender (ELC) Add
- 12,000 service hours:
 - Cooling system coolant (ELC) Change
- Volvo L60H (Wheel Loader)

8200 NW 15TH PLACE, GAINESVILLE, FLORIDA 32606 (PHONE: (352) 333-9292 FAX: (352) 333-9293 WWW.CDDI.com



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construction management I design build I general contracting

- Every 1,000 service hours
 - Engine oil Replace
- Cat D5K (Bulldozer)
 - Every 4,000 service hours
 - Full service maintenance
- JD 544 (Front End Loader)
 - Every 4,000 service hours
 - Full service maintenance
- CAT 316 (Excavator)
 - Every 4,000 service hours
 - Full service maintenance
- CAT 289D (Skid Steer)
 - Every 4,000 service hours
 - Full service maintenance
- CAT AP1000 (Paver)
 - Every 4,000 service hours
 - Full service maintenance
- CAT CB54B (Roller)
 - Every 4,000 service hours
 - Full service maintenance
- John Deere 670D (Grader)
 - Every 4,000 service hours
 - Full service maintenance



Fuel Purchase Records

Hicks Invoices

		INVOICE				
				-		
44			CHIEFLAND, F	L 32644		
TO: 6166			SHIP TO:	616	6	
			Company Nam	e Hicks	Seal Coating	and Striping
cks Seal Coating and Strip	ing		Contact Name	RON	NIE HICKS	
ONNIE HICKS			Address	5610	SW CR 313	
310 SW CR 313			City/State	Trent	on	FL 32693
enton	FL 32693		Phone	(352)	535-5479	
PO #		D	elivery Date	D	ue Date	
			8/19/2021	8	19/2021	
		Dollar Amount	\$ Amt Price 0	Quantity	Qty Price	Total
M SULFUR MAXIMUM.		ITAIN ANY VISIBL	E EVIDENCE	380.00	\$2.500290	\$950.11
FLORIDA SCETS TAX				380.00	\$0.080000	\$30.40
FLORIDA LOCAL OPT. TA	AX - DIESEL			380.00	\$0.060000	\$22.80
FLORIDA 9TH CENT GILO	CHRIST			380.00	\$0.010000	\$3.80
FEDERAL EXCISE DIESE	L			380.00	\$0.244000	\$92.72
FLORIDA EXCISE DIESE	L			380.00	\$0.185000	\$70.30
FLORIDA COASTAL PRO	TECTION			380.00	\$0.000480	\$0.18
FLORIDA WATER QUALI	TY			380.00	\$0.001190	\$0.45
FLORIDA INLAND PROTE	CTION			380.00	\$0.019040	\$7.24
						\$227.89
		ULS C	LR DSL Total:	380.00	\$3.100000	\$1,178.00
					Subtotal:	\$950.11
				Extra	Charges:	\$227.89
				EFT	Discount:	\$0.00
					at Frankets	£0.00
				10	al Freight:	\$0.00
	Icks Seal Coating and Strip ONNE HICKS 10 SW CR 313 enton PO # PO # PO # PO # PO # FLORIDA SCETS TAX FLORIDA LOCAL OPT. T FLORIDA SCETS TAX FLORIDA SCETS TAX FLORIDA CALSE DIESE FLORIDA CASTAL PRO FLORIDA CASTAL PRO FLORIDA CASTAL PRO FLORIDA CASTAL PRO	TO: 6166 tcks Seal Coating and Striping ONNE HUCKS S10 SW CR 313 enton FD # 2693 PD #	44 T0: 6166 tcks Seal Coating and Striping ONIE HICKS 310 SW CR 313 ention FL 32693 TO Dollar Amount TED ULTRA LOW SULFUR DIESEL PM SULFUR MAXIMUM. DOES NOT CONTAIN ANY VISIEL VE. FLORIDA SCETS TAX FLORIDA SCETS TAX FLORIDA SCETS TAX FLORIDA SCETS TAX FLORIDA SCETS TAX FLORIDA SCETS TAX FLORIDA SCETS DIESEL FLORIDA RECEDIESEL FLORIDA RECEDIESEL FLORIDA RECEDIESEL FLORIDA RECEDIESEL FLORIDA RECEDIESEL FLORIDA RECEDIESEL FLORIDA RECEDIESEL FLORIDA RECEDIESEL FLORIDA NILAND PROTECTION FLORIDA NILAND PROTECTION FLORIDA NILAND PROTECTION	PLEASE REMIT 1 UNITED FUEL P.0. BOX 228 CHIEFLAND, F TO: 6166 SHIP TO: Company Nam Contact Name Address ClicyState minon FL 32693 Phone Dolar Amount S Amt Price Dolar Amount S Amt Price Dolar Amount S Amt Price CONTACT NAMY VISIBLE EVIDENCE FLORIDA SCETS TAX FLORIDA CONSTAL PROTECTION FLORIDA CONSTA	PLEASE REMIT TO UNITED FUELS P.O. BOX 2288 44 TO: 6166 SHIP TO: 616 Company Name Hick Icks Seal Coating and Striping Contact Name RON ONIKE HICKS Address 5610 310 SW CR 313 City/State Trent enton FL 32693 Dativery Date Phone 0352 M SULPUR MAXIMUM. DOES NOT CONTAIN ANY VISIBLE EVIDENCE FLORIDA COLOR. 71 X - DIESEL FLORIDA SCETS TAX FLORIDA SCETS FLORIDA SCETS TAX FLORIDA SCETS FLORIDA SCETS TAX FLORIDA SCETS FLORIDA SCETS	PLEASE REMIT TO UNITED FUELS P.O. 80X 2288 P.O. 80X 2288 CHIEFLAND, FL 32644 TO: 6166 SHIP TO: 6166 Company Name Hicks Seal Coating Company Name Hicks Seal Coating Company Name Hicks Seal Coating Company Name Hicks Seal Coating Company Name NONE HickS Seal Coating Contact Name RONNE HickS Seal Coating Contact Name NONE HickS Seal Coating Contact Name None City/State Trenton PO # Delivery Date Delivery Date Due Dollar Amount A MIT Price VEI FLORIDA SCETS TAX Subtoati FLORIDA SCETS TAX Subtoati FLORIDA SCETS TAX Subtoati FLORIDA SCHIST SIDESEL 380.00 SOUTONICON SUPER DESEL FLORIDA SCHIST SIDESEL 380.00 SOUTONICON SUPER DESEL 380.00

INVOICE

			INVOIC	E				
				PLEASE REMIT UNITED FUEL				
UNITED FUELS P.O. BOX 2298								
P. O. BOX 2030				CHIEFLAND, I	L 32644			
CHIEFLAND, FL 326 352-493-4784	44							
352-493-4784								
SOLD	TO: 6166			SHIP TO:	616	6		
				Company Nan	e Hicks	Seal Coating	and Striping	
н	Icks Seal Coating and Strip	ina		Contact Name		NIE HICKS		
	ONNIE HICKS	5		Address	5610	SW CR 313		
56	510 SW CR 313			City/State	Trent	on	FL 32693	
Tr	renton	FL 32693		Phone	(352)	535-5479		
Invoice #	PO #			Delivery Date	D	ue Date		
162253				10/12/2021	10	/12/2021		
Product			Dollar Amo	unt \$ Amt Price	Quantity	Qty Price		Total
0 MARINE FUEL MAR					234.00	\$2.960150		\$692.68
	CHV INLAND PROTECTIO				234.00	\$0.019040		\$4.46
	FL COASTAL PROTECTIO				234.00	\$0.000480		\$0.11
	FEDERAL OIL SPILL REC				234.00	\$0.002140		\$0.50
	LEVY COUNTY ABOVE N							\$0.00
	LEVY COUNTY FUEL TAX				234.00	\$0.188000		\$43.99
	FLORIDA WATER QUALIT	ΓY			234.00	\$0.001190		\$0.28
	FLORIDA EXCISE				234.00	\$0.185000		\$43.29
	FLORIDA EXCISE FED EXCISE		_		234.00 234.00	\$0.185000 \$0.184000		\$43.06
				Charges Subtotal:	234.00	\$0.184000		\$43.06 \$135.69
				Charges Subtotal: ARINE FUEL Total:				\$43.06
BOL#					234.00	\$0.184000		\$43.06 \$135.69
BOL #					234.00 234.00	\$0.184000 \$3.540043 Subtotal:		\$43.06 \$135.69 \$828.37
					234.00 234.00 Extra	\$0.184000 \$3.540043		\$43.06 \$135.69 \$828.37 \$692.68
					234.00 234.00 Extra EFT	\$0.184000 \$3.540043 Subtotal: Charges:		\$43.06 \$135.69 \$828.37 \$692.68 \$135.69
					234.00 234.00 Extra EFT	\$0.184000 \$3.540043 Subtotal: Charges: Discount:		\$43.06 \$135.69 \$828.37 \$692.68 \$135.69 \$0.00

PLEASE REMIT TO UNITED FUELS UNITED FUELS P.O. BOX 2298 P. O. BOX 2030 CHIEFLAND, FL 32644 352-493-4784 CHIEFLAND, FL 32644 6166 Hicks Seal Coating and Striping RONNIE HICKS SOLD TO: 6166 SHIP TO: Company Name Contact Name HIcks Seal Coating and Striping Address City/State RONNIE HICKS 5610 SW CR 313 5610 SW CR 313 Trenton FL 32693 Trenton FL 32693 (352) 535-5479 Due Date PO # Delivery Date Invoice # Г 160665 9/16/2021 9/16/2021 Dollar Amount \$ Amt Price Quantity Qty Price Total oduct Product 90 MARINE FUEL MARINE FUEL P 200.00 200.00 \$2.720150 \$0.019040 INNE FUEL CHV INLAND PROTECTION FL COASTAL PROTECTION FEDERAL OIL SPILL RECOVERY - DIE LEVY COUNTY ABOVE MINIMUM LEVY COUNTY FUEL TAX FLORIDA EXCISE \$544.03 \$3.81 \$0.10 \$0.43 \$0.00 \$37.60 \$0.24 \$37.00 200.00 \$0.000480 \$0.002140 \$0.188000 200.00 \$0.001190 \$0.185000 \$0.184000 200.00 200.00 \$36.80 \$115.98 \$660.01 \$1,830.88 FED EXCISE 200.00 Extra Charges Subtotal 90 MARINE FUEL Total: **200.00** 779.00 \$3.300050 \$2.350290 UNDYED ULTRA LOW SULFUR DIESEL 15 PPM SULFUR MAXIMUM. DOES NOT CONTAIN ANY VISIBLE EVIDENCE OF DYE. FLORIDA SCETS TAX ULS CLR DSL F 779.00 \$0.080000 \$62.32 \$62.32 \$46.74 \$7.79 \$190.08 \$144.12 \$0.37 \$0.93 \$14.83 \$467.18 \$0.080000 \$0.060000 \$0.010000 \$0.244000 \$0.185000 \$0.000480 \$0.001190 \$0.019040 779.00 779.00 779.00 779.00 779.00 779.00 779.00 FLORIDA LOCAL OPT. TAX - DIESEL FLORIDA 9TH CENT GILCHRIST FLORIDA 9TH CENT GILCHRIST FEDERAL EXCISE DIESEL FLORIDA EXCISE DIESEL FLORIDA COASTAL PROTECTION FLORIDA WATER QUALITY FLORIDA INLAND PROTECTION 779.00 Extra Charges Subtotal: ULS CLR DSL Total: 779.00 \$2.950013 \$2,298.06 BOL # Subtotal: \$2,374.91 Extra Charges: EFT Discount: \$583.16 \$0.00 \$0.00 Total Freight:

Total:

\$2,958.07

UNITED FUELS P. O. BOX 2030 CHIEFLAND, FI 352-493-4784		- TO LS 98 FL 32644						
	SOLD TO:	6166			SHIP TO:	616	6	
					Company Na	me Hicks	Seal Coating	and Striping
	HIcks Seal Coating	and Striping			Contact Nam	e RON	NIE HICKS	
	RONNIE HICKS				Address	5610	SW CR 313	
	5610 SW CR 313				City/State	Trent	on	FL 32693
	Trenton	FL	32693		Phone	(352)	535-5479	
Invoice #	PO #			De	livery Date	D	ue Date	
164895					1/24/2021	11	/24/2021	
Product			Dolla	r Amount	\$ Amt Price	Quantity	Qty Price	Total
ULS CLR DSL	UNDYED ULTRA LOV 15 PPM SULFUR MA OF DYE.	KIMUM. DOES N		NY VISIBLE	EVIDENCE	576.00	\$2.800290	\$1,612.97
	FLORIDA SCET					576.00	\$0.080000	\$46.08
		L OPT. TAX - DIE				576.00	\$0.060000	\$34.56
		ENT GILCHRIST				576.00	\$0.010000	\$5.76
	FEDERAL EXCI					576.00	\$0.244000	\$140.54
	FLORIDA EXCIS					576.00	\$0.185000	\$106.56
		TAL PROTECTIC	N			576.00	\$0.000480	\$0.28
	FLORIDA WATE					576.00	\$0.001190	\$0.69
	FLORIDA INLAP	D PROTECTION			es Subtotal:	576.00	\$0.019040	\$10.97 \$345.44
					R DSL Total:	576.00	\$3.400017	\$345.44 \$1.958.41
				ULS CL	R DSL Total:	576.00	\$3.400017	\$1,958.41
BOL #							Subtotal:	\$1,612.97
d-163294						Extra	a Charges:	\$345.44
						EFT	Discount:	\$0.00
						Tot	al Freight:	\$0.00
							Total:	\$1,958.41
							. Stan	\$1,555.11

INVOICE

INVOICE

PLEASE REMIT TO UNITED FUELS

P.O. BOX 2298 CHIEFLAND, FL 32644

UNITED FUELS P. O. BOX 2030 CHIEFLAND, FL 32644 352-493-4784

:	RONN	Seal Coating and Stripi IIE HICKS SW CR 313	ng FL 32693			SHIP TO: Company Na Contact Nam Address City/State Phone	ne RON 5610 Tren	s Seal Coating NIE HICKS SW CR 313		Striping 32693
Invoice #		PO #			De	livery Date	0	ue Date	1	
166183					1	2/16/2021	12	/16/2021	1	
Product				Dolla	r Amount	\$ Amt Price	Quantity	Qty Price		Total
ULS CLR DSL	15 PPM 3 OF DYE. FLC FLC FLC FLC FLC FLC	ULTRA LOW SULFUR SULFUR MAXIMUM. D DRIDA SCETS TAX ORIDA LOCAL. OPT. TA DRIDA 9TH CENT GILC DERAL EXCISE DIESE DRIDA EXCISE DIESE DRIDA CASTAL PRO' DRIDA WATER QUALIT DRIDA INLAND PROTE	NOES NOT CON X - DIESEL HRIST L TECTION			E EVIDENCE	467.00 467.00 467.00 467.00 467.00 467.00 467.00 467.00	\$2.900290 \$0.080000 \$0.060000 \$0.010000 \$0.244000 \$0.185000 \$0.000480 \$0.001190 \$0.019040		\$1,354.44 \$37.36 \$28.02 \$4.67 \$113.95 \$86.40 \$0.22 \$0.56 \$8.89 \$280.07
						R DSL Total:	467.00	\$3.500021		\$1,634.51
BOL # p-164583]					EFT	Subtotal: a Charges: Discount: tal Freight:		\$1,354.44 \$280.07 \$0.00 \$0.00
								Total:		\$1,634.51

							PLEASE REMI					
							UNITED FUE	ELS				
UNITED FUELS						P.O. BOX 2298						
P. O. BOX 203							CHIEFLAND	, FL 3264	4			
CHIEFLAND, 352-493-4784	FL 32644											
352-493-4784												
	SOLD TO	: 6166					SHIP TO:	6	166			
							Company N	ame HI	cks Seal Coating	and Striping		
	Hicks	Seal Coating and Strip	oing				Contact Nar	ne RO	NNIE HICKS			
	RONI	NIE HICKS					Address	56	10 SW CR 313			
	5610	SW CR 313					City/State	Tr	enton	FL 32693		
	Trent	on	FL :	32693			Phone	(3	52) 535-5479			
Invoice #		PO #				De	elivery Date		Due Date			
168137							1/20/2022		1/20/2022			
Product					Dolla	r Amount	\$ Amt Price	Quantit			Total	
ULS CLR DSL		OULTRA LOW SULFU SULFUR MAXIMUM.						647.0	0 \$2.737290		\$1,771.03	
	OF DYE.		DUES NO	DICON		NY VISIBLE	EVIDENCE					
		ORIDA SCETS TAX						647.0	0 \$0.083000		\$53.70	
	FL	ORIDA LOCAL OPT. T	AX - DIE	SEL				647.0	0 \$0.065000		\$42.06	
	FL	ORIDA 9TH CENT GIL	CHRIST					647.0	0 \$0.010000		\$6.47	
	FE	DERAL EXCISE DIESE	EL					647.0	0 \$0.244000		\$157.87	
	FU	ORIDA EXCISE DIESE	L					647.0	0 \$0.190000		\$122.93	
	FL	ORIDA COASTAL PRO	TECTIO	N				647.0	0 \$0.000480		\$0.31	
	FL	ORIDA WATER QUALI	TY					647.0	0 \$0.001190		\$0.77	
	FL	ORIDA INLAND PROTE	ECTION					647.0	0 \$0.019040		\$12.32	
						Extra Char	ges Subtotal:				\$396.43	
						ULS CI	R DSL Total:	647.0	0 \$3.350015		\$2,167.46	
BOL #	¥	1							Subtotal:		\$1,771.03	
D-16653	38							E	tra Charges:		\$396.43	
		_						E	FT Discount:		\$0.00	
								· · ·	Fotal Freight:		\$0.00	
								1				
									Total:		\$2,167.46	
								<u> </u>				

INVOICE

INVOICE

					PLEASE REMIT			
					UNITED FUE	LS		
UNITED FUELS					P.O. BOX 22	98		
P. O. BOX 2030					CHIEFLAND.	FL 32644		
CHIEFLAND, FL 3	2644				. ,			
352-493-4784								
50	LD TO: 616	16			SHIP TO:	616	6	
	2010. 010				Company Na		Seal Coating	and Striping
	HIcks Seal Coating and	Striping			Contact Nam		NIE HICKS	
	RONNIE HICKS				Address	5610	SW CR 313	
	5610 SW CR 313				City/State	Trent	on	EL 32693
	Trenton	FI 32693			Phone	(352)	535-5479	
						(00-)		
Invoice #	PO #			D	elivery Date	D	ue Date	
169704					2/15/2022	2/	15/2022	
Product			Dolla	r Amount	\$ Amt Price	Quantity	Qty Price	Total
15	IDYED ULTRA LOW SU PPM SULFUR MAXIMU DYE.		NTAIN A	NY VISIBL	E EVIDENCE	657.00	\$3.087290	\$2,028.35
	FLORIDA SCETS TA	x				657.00	\$0.083000	\$54.53
	FLORIDA LOCAL OP	T. TAX - DIESEL				657.00	\$0.065000	\$42.71
	FLORIDA 9TH CENT	GILCHRIST				657.00	\$0.010000	\$6.57
	FEDERAL EXCISE D	IESEL				657.00	\$0.244000	\$160.31
	FLORIDA EXCISE DI	ESEL				657.00	\$0.190000	\$124.83
	FLORIDA COASTAL	PROTECTION				657.00	\$0.000480	\$0.32
	FLORIDA WATER QU	JALITY				657.00	\$0.001190	\$0.78
	FLORIDA INLAND PF	ROTECTION				657.00	\$0.019040	\$12.51
				Extra Cha	ges Subtotal:			\$402.56
				ULS C	LR DSL Total:	657.00	\$3.700015	\$2,430.91
BOL #							Subtotal:	\$2.028.35
d-168130						Extra	A Charges:	\$402.56
L							Discount:	\$0.00
						Tot	al Freight:	\$0.00
							Total:	\$2.430.91
							. 5tal.	\$2,430.81

PLEASE REMIT TO UNITED FUELS UNITED FUELS P. O. BOX 2030 CHIEFLAND, FL 32644 352-493-4784 P.O. BOX 2298 CHIEFLAND, FL 32644 6166 HIcks Seal Coating and Striping RONNIE HICKS SOLD TO: 6166 SHIP TO: Company Name Contact Name Address City/State HIcks Seal Coating and Striping RONNIE HICKS 5610 SW CR 313 Trenton 5610 SW CR 313 Trenton FL 32693 FL 32693 Phone (352) 535-5479 Due Date Delivery Date PO # Invoice # 3/16/2 Total \$2,291.31 ntity Qty Price Product ULS CLR DSL Dollar Amount \$ Amt Price
 UNOYED ULTRA LOW SULFUR DIESEL
 15 PPM SULFUR MAXIMUM. DOES NOT CONTAIN ANY VISIBLE EVIDENCE
 OF OYE.
 FLORIDA SCETS TAX
 FLORIDA SCETS TAX
 FLORIDA COAL OPT. TAX- DIESEL
 FLORIDA OTH GELCHRIST
 FEDERAL EXCISE DIESEL
 FLORIDA EXCISE DIESEL
 FLORIDA COASTAL PROTECTION
 FLORIDA WATER QUALITY
 FLORIDA INLAND PROTECTION
 Extra Charges Subtotal: Dolla Amount \$ Amt Price Qu 605.00 \$3.787290 \$50.22 \$39.33 \$6.05 \$147.62 \$114.95 \$0.29 \$0.72 \$11.52 \$370.70 \$2,662.01 \$0.083000 \$0.065000 \$0.010000 \$0.244000 \$0.190000 \$0.000480 \$0.001190 \$0.019040 605.00 605.00 605.00 605.00 605.00 605.00 605.00 605.00 Extra Charges Subtotal: ULS CLR DSL Total: \$4.400017 605.00 \$2,291.31 \$370.70 \$0.00 BOL # d-169598 Subtotal: Extra Charges: EFT Discount: Total Freight: \$0.00 Total: \$2,662.01

INVOICE

UNITED FUELS P. O. BOX 2030 CHIEFLAND, F 352-493-4784	5			PLEASE REMIT TO UNITED FUELS P.O. BOX 2298 CHIEFLAND, FL 32644								
	SOLD TO:	6166					SHIP TO: Company N	ame	616 Hicks	6 Seal Coating	and Striping	
	Hicks Seal Coa RONNIE HICKS		oing				Contact Nar Address	me	5610	NIE HICKS SW CR 313	51 00000	
	5610 SW CR 3 Trenton	13	FL	32693			City/State Phone		Trente (352)	535-5479	FL 32693	
Invoice #	PC)#				D	elivery Date		D	ue Date		
172879							4/14/2022		4/	14/2022		
oduct					Dolla	r Amount	\$ Amt Price	Qua	ntity	Qty Price		Total
S CLR DSL	UNDYED ULTRA I 15 PPM SULFUR I OF DYE. FLORIDA SC	MAXIMUM.			ITAIN A	NY VISIBL	E EVIDENCE		00.00	\$4.287290 \$0.083000		\$857.46
	FLORIDA LC	CAL OPT. T	AX - D	ESEL				20	00.00	\$0.065000		\$13.00
	FLORIDA 9T	H CENT GIL	CHRIS	т				20	00.00	\$0.010000		\$2.00
	FEDERAL EX	CISE DIESI	EL					20	00.00	\$0.244000		\$48.80
	FLORIDA EX	CISE DIESE	L					20	00.00	\$0.190000		\$38.00
	FLORIDA CO	ASTAL PRO	TECT	ION				20	00.00	\$0.000480		\$0.10
	FLORIDA W	ATER QUAL	TΥ					20	00.00	\$0.001190		\$0.24
	FLORIDA INI	LAND PROT	ECTIO	N				20	00.00	\$0.019040		\$3.81
						Extra Cha	ges Subtotal:					\$122.55
						ULS C	LR DSL Total:	20	00.00	\$4.900050		\$980.01
												A
BOL #	-									Subtotal:	L	\$857.46
D-171323	3									Charges:		\$122.55
										Discount:		\$0.00
									Tot	al Freight:		\$0.00
										Total:	r	\$980.01

INVOICE

						IN	VOICE							
UNITED FUEL: P. O. BOX 203 CHIEFLAND, F 352-493-4784	0	4						PLEASE REMI UNITED FUE P.O. BOX 22 CHIEFLAND	ELS 298	644				
	RO 561	FO: ks Seal Coating NNIE HICKS 0 SW CR 313 nton	6166 and Stripi	-	32693			SHIP TO: Company N Contact Nar Address City/State Phone	ne	RON 5610 Trent	Seal Coating NIE HICKS SW CR 313		Striping 32693	
Invoice #		PO #					De	elivery Date		D	ue Date	r		
176822								6/21/2022		6/	21/2022	1		
Product						Dolla	r Amount	\$ Amt Price	Quar		Qty Price			Total
ULS CLR DSL	15 PPI OF DY F F F F	ED ULTRA LOW M SULFUR MAX E. FLORIDA SCETS FLORIDA LOCAI FLORIDA 9TH C FEDERAL EXCIS FLORIDA EXCIS FLORIDA COAS FLORIDA WATE FLORIDA INLAN	COPT. TA OPT. TA ENT GILC DIESEL E DIESEL TAL PROT R QUALIT	OES I X - DI HRIS' L FECTI	NOT COP ESEL T		Extra Char	E EVIDENCE ges Subtotal: _R DSL Total:	27, 27, 27, 27, 27, 27, 27, 27, 27,	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	\$5.137290 \$0.083000 \$0.065000 \$0.010000 \$0.244000 \$0.09000 \$0.000480 \$0.001190 \$0.019040			\$1,407.62 \$22.74 \$17.81 \$2.74 \$66.86 \$52.06 \$0.13 \$0.33 \$5.22 \$167.89 \$4.57.89 \$4.57.89
							ULS CI	LR DSL Total:	27	4.00	\$5.750036			\$1,575.51
BOL # D-17516										EFT	Subtotal: a Charges: Discount: al Freight: Total:			\$1,407.62 \$167.89 \$0.00 \$0.00 \$1,575.51

INVOICE

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P. O. BOX 203	-						P.O. BOX 22			
CHIEFLAND, F	-						CHIEFLAND	, FL 32644		
352-493-4784	L 32044									
	SOLD TO:	6166					SHIP TO:	616	6	
							Company Na	ame Hicks	Seal Coating	and Striping
	Hicks Seal Coatin	ng and Stripi	ng				Contact Nan	ne RON	NIE HICKS	
	RONNIE HICKS						Address	5610	SW CR 313	
	5610 SW CR 313						City/State	Trent	on	FL 32693
	Trenton		FL	32693			Phone	(352)	535-5479	
Invoice #	PO	¢				De	livery Date	D	ue Date	
174884							5/18/2022	5/	18/2022	
Product					Dolla	r Amount	\$ Amt Price	Quantity	Qty Price	To
ULS CLR DSL	UNDYED ULTRA LO 15 PPM SULFUR M OF DYE.	AXIMUM. D			ITAIN A	NY VISIBLE	EVIDENCE	405.00	\$4.387290	\$1,776
	FLORIDA SCE							405.00	\$0.083000	\$33
	FLORIDA LOC							405.00	\$0.065000	\$26
	FLORIDA 9TH			F .				405.00	\$0.010000	\$4
	FEDERAL EX		-					405.00	\$0.244000	\$98
	FLORIDA EXC							405.00	\$0.190000	\$76
	FLORIDA COA			NC				405.00	\$0.000480	\$0
	FLORIDA WA							405.00	\$0.001190	\$C
	FLORIDA INL	ND PROTE	CTION	1				405.00	\$0.019040	\$7
							ges Subtotal:			\$248
						ULS CI	.R DSL Total:	405.00	\$5.000000	\$2,025
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UNITED FUELS				PLEASE REMIT	LS		
P. O. BOX 2030 CHIEFLAND, FL 320 352-493-4784	644			P.O. BOX 229 CHIEFLAND,	-		
SOLI	D TO: 6166			SHIP TO:	616	-	
				Company Nar		s Seal Coating	and Striping
	Icks Seal Coating and Strip ONNIE HICKS	ing		Contact Name Address		NIE HICKS SW CR 313	
	610 SW CR 313			City/State	5610 Trent		FI 32693
-	renton	FL 32693		Phone		535-5479	12 32085
Invoice #	PO #		1	Delivery Date		ue Date	
178250 Product			Dollar Amount	7/14/2022 \$ Amt Price	7. Quantity	/14/2022 Qtv Price	Total
	YED ULTRA LOW SULFU		Dollar Amount	\$ Amt Price	453.00	\$4,387290	\$1,987,44
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011	FLORIDA SCETS TAX				453.00	\$0.083000	\$37.60
	FLORIDA LOCAL OPT. T	AX - DIESEL			453.00	\$0.065000	\$29.45
	FLORIDA 9TH CENT GIL	CHRIST			453.00	\$0.010000	\$4.53
	FEDERAL EXCISE DIESE	L			453.00	\$0.244000	\$110.53
	FLORIDA EXCISE DIESE	L			453.00	\$0.190000	\$86.07
	FLORIDA COASTAL PRO	TECTION			453.00	\$0.000480	\$0.22
	FLORIDA WATER QUALI				453.00	\$0.001190	\$0.54
	FLORIDA INLAND PROTE	CTION			453.00	\$0.019040	\$8.63
				arges Subtotal:			\$277.57
			ULS	CLR DSL Total:	453.00	\$5.000022	\$2,265.01
BOL #						Subtotal:	\$1,987.44
D-176596					Extr	a Charges:	\$277.57
					EFT	Discount:	\$0.00
					Tot	al Freight:	\$0.00
						Total:	\$2,265.01

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UNITED FUELS P. O. BOX 2030 CHIEFLAND, FL 3 352-493-4784	32644			PLEASE REMIT UNITED FUEL P.O. BOX 229 CHIEFLAND,	LS 18		
sc	LD TO: 6166 Hicks Seal Coating and Stri RONNIE HICKS 5610 SW CR 313 Trenton	ping FL 32693		SHIP TO: Company Nar Contact Name Address City/State Phone	e RON 5610 Trent	Seal Coating NIE HICKS SW CR 313	and Striping FL 32693
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180144				8/18/2022		18/2022	
1	NDYED ULTRA LOW SULFU PPM SULFUR MAXIMUM.		Dollar Amount		Quantity 390.00	Qty Price \$3.787290	Total \$1,477.04
Ū	FLORIDA SCETS TAX FLORIDA LOCAL OPT. 1 FLORIDA 9TH CENT GII FEDERAL EXCISE DIESI FLORIDA EXCISE DIESI FLORIDA COASTAL PR FLORIDA WATER QUAL FLORIDA INLAND PROT	CHRIST EL DTECTION			390.00 390.00 390.00 390.00 390.00 390.00 390.00 390.00	\$0.083000 \$0.065000 \$0.244000 \$0.190000 \$0.000480 \$0.000480 \$0.001190 \$0.019040	\$32.37 \$25.35 \$3.90 \$95.16 \$74.10 \$0.19 \$0.46 \$7.43
				rges Subtotal: LR DSL Total:	390.00	\$4.400000	\$238.96 \$1,716.00
BOL # D-178458					EFT	Subtotal: a Charges: Discount: al Freight: Total:	\$1,477.04 \$238.96 \$0.00 \$0.00 \$1,716.00

USI Invoices

Remit To: 504 SE W	mol	Invoice Number: 0142278-IN Invoice Date: 5/30/2023 Ship Date: 5/30/2023						
	52) 376-5131: @almondoilcor	Fax: (352) 378-6482 npany.com		Inv	oice Du	p Date: 5/30 e Date: 6/19 Terms: NET	/2023	
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	Bill To: UTILITY SEF 1360 N.W. 53 GAINESVILL	BRD AVE		DY 13	60 N.W. 5	MAIN OFFI 53RD AVE LE, FL 3260		
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ltem Code	Whse	Item Description	1	AX	UOM	Quantity	Unit Price	Amount
01HSD	000	DYED DIESEL No. 2 ULS, <15PPM NON PENALTY FOR TAXABLE USE	TAXABLE USE ONLY	тх	GAL	236.400	2.9522	697.90
T1DD-SRF	000	TAX - FEDERAL SUPERFUND RECOVER	RY FEE	ТΧ	EACH	236.400	0.0039	0.92
T4DD	000	TAX - DYED DIESEL ENVIMISC TAXES Fed LUST Tax 0.00100 Fed Oil Spill Tax 0.00214 FI Pollutant Tax 0.02071		тх	EACH	236.400	0.0239	5.65
						Таха	ble:	704.47
the date of in	voice to dispute any a	es to pay all invoices or other amounts due Almond Oil lleged discrepencies otherwise Customer deems this inv	oice as true and accurate. A	пу ра	yments	Non Taxa	ble:	0.00
charge Cust	omer agrees to pay in	topped payments, and/or incorrect banking information iterest at a rate of 1.5% per month (18% annual intere-	st) or \$10.00 per statement,	which	iever is	Net Invo	lice:	704.47
		Customer agrees to pay in addition to past due balance e attorney's fees, whether suit be filed or not, court c				Sales	Гах:	52.84
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								0.00

SECTION 8: OPERATIONS + MAINTENANCE

Prerequisite	Титье	Ροιντς
O+M P8.1	Plan for sustainable site maintenance	Required
O+M P8.2	Provide for storage and collection of recyclables	Required
Credit	Титье	Points
O+M C8.3	Recycle organic matter	4 points
O+M C8.4	Minimize pesticide and fertilizer use	5 points
O+M C8.5	Reduce outdoor energy consumption	3 points
O+M C8.7	Protect air quality during landscape maintenance	2 points

Prerequisite 8.1 | Plan for sustainable site maintenance

Site Maintenance Plan Worksheet

SITES® v2 Site Maintenance Plan Worksheet							
P8.1: PLAN FOR SUSTAINABLE SITE MAINTENANCE							
PROJECT NAME	PROJECT ID#						
Northeast Gateway	13742						
INSTRUCTIONS:							

1. Complete using an integrated design team, including the maintenance contractor or manager

Maintenance Plan Tonics	itcome	10-year desired outcome		
Maintenance Plan Topics	Maintenance activities	Specialist required	Timeline/ Schedule	10-year desired outcome
		ATER		
Stormwater features and BMPs effectiveness (Required component of P3.1, C3.3, C3.5) Describe the proper maintenance activities to ensure continued effectiveness of stormwater features and BMPs (e.g., replacement of vegetation, removal of accumulated sediment load).	The University shall abide by all requirements and conditions of the current Master Stormwater Permit by the SJRWMD. The UF Facilities Services Division implements strategies to mitigate University generated stormwater and to minimize sotrmwater bome pollutants through the implementation of BMPs. Some BMPs include, but are not limited to, - incorporating stormwater management retention and detention features into the Landscape Master Plan project scope - using slow release fertilizers and/or carefully managed fertilizer applications timed to ensure maximum root uptake and minimal surface water runoff or leaching to groundwater - conducting regular training for maintenance personnel about isses such as motor vehicle maitenance in order to prevent leakage of oil, (including their empty containers) and collection of suitable recyclable materials - avoiding the widespread application of broads spectrum pesticides by involving only purposeful and minimal application of pesticides (ban use for cosmetic purposes), aimed at identified targetted species - coordinating pesticides polication with irrigation practices to reduce runoff and leaching - using pervious materials to minimize	UF Environmental Health and Saftey -Office of Sustainability -Facilities Services -UF/IFAS	Facilities Services reports to the SJRWMD quarterly. Abide by the 2020 Master Stormwater Permit by the SJRWMD until next renewal in 2030.	The University will continue to assess, train, and monitor implementation of these BMPs over the 10-year period with the desire of - decreasing the use of fertilizers and pesticides - minimal pollutant runoff - little to no sediment runoff - improving the quality of nearby aquatic systems and meet Class III-Limited water quality standards in Lake Alice - implementing the latest advances in agricultural BMPs The University shall strive to inform faculty, staff, students and visitors on stormwater issues through outreach and demonstration projects and encourage healthy practices.
Water treatment (Required component of C3.3, C3.4, C3.5)	Not applicable- No water features on site.	Not applicable- No water features on site.	Not applicable- No water features on site.	Not applicable- No water features on site.
Describe the process for treating water features, if present (e.g. avoiding chlorine or bromine).				
Water quality (Required component of C3.3, C3.4, C3.5, C3.6) Describe the appropriate maintenance activities designed to reduce the exposure to and the mobilization and transport of pollutants in runoff.	The University shall not allow stormwater discharge to cause or contribute to a violation of water quality standards in Waters of the State. BMPs designed to reduce the expose to and the mobilization and transport of pollutants in runoff include but are not limited to use of NPK slow release fertilizers - carefully managed fertilizer applications timed to ensure maximum root uptake and minimal surface water runoff or leaching to grouondwater - conducting regular training for maintenance personnel about issues such as motor vehicle maintenance in order to prevent leakage of ali, grease and other fluids, collection and proper disposal of yard debris, disposal of paint and cleaning products (including their empty containers) and collection of suitable recyclable materials - coordinating pesticide application with irrigation practices to reduce runoff and leaching - using vegetative management (e.g., planted buffers and minimal mowing) - monitoring sedimentation load in nearby aquatic systems	UF Facilities Services administered Groundskeeper III Team - UF Facilities Services Grounds Assistant Director: Tom Schlik - UF Facilities Services Grounds Superintendents: Donna Bloomfield and Darrel Pons	Facilities Services reports to the SJRWMD quartery. Abide by the 2020 Master Stormwater Permit by the SJRWMD until next renewal in 2030.	The University will continue to assess, train, and monitor implementation of these BMPs over the 10-year period with the desire of - decreasing the use of fertilizers and pesticides - iminimal pollutant runoff - ittle to no sediment runoff - ittle to no sediment runoff - ittle to no sediment runoff - ittle task at Lass III-Limited water quality standards in Lake A.Lice - implementing the latest advances in agricultural BMPs - The University shall strive to inform faculty, staff, students and visitors on stormwater issues through outreach and demonstration projects and encourage healthy practices.
Irrigation allotment and schedule (Required component of P3.2, C3.4) Describe the anticipated watering schedule (frequency and duration) that allows the site to meet annual volume requirements and restrictions.	The watering schedule is based on seasonal and landscaping needs. In Florida, the wet season is typically from June to September; during this season the site will be watered less frequently and for a shorter duration due to increased precipitation. The dry season is from October to May and during this season, the site will be watered more frequently and for a longer duration due to less precipitation. The University shall conserve water resources through the use of low water demand design principles, including: - use of drought tolerant and site appropriate possible, - soll molisture senors - rainfall shut-off devices - use of anough tolerant ground cover - use of soll enhancers and mulch to enable soils to retain moisture	UF Facilities Services- Grounds	The site is watered 2 times a week for 20 minutes.	 Adapt with the weather and climate conditions to prevent water loss; can be achieved by implementing soil moisture sensors to create a water schedule that meets annual volume requirements but does not waste unnecessary water. Continue to irrigate at no/low occupancy in evening hours Curtail the use of well water or domestic water for irrigation purposes by increasing the use of reclaimed water The University shall strive to inform faculty and staff on the benefitds of utilizing reclaimed water for irrigation projects to encourage healthy practices.

SECTION 8: OPERATIONS + MAINTENANCE

Irrigation water source (Required component of P3.2, C3.4) Describe the process for maintaining non-potable water sources used for landscape irrigation (e.g. rainwater harvesting, graywater systems).	responsible for process of maintaining non- potable water sources used for landscape imigation. This facility gathers waste water and treats it on site through the Kruger BIO- DENIPHO process. The Univerity's Water Reclamation Facility then stores the non- potable water and distributes when needed.	UF Facilities Services - Utilities Operations	The University will continue to comply with the permit from the Department of Environmental Protection until it is updated.	-To continue the use of reclaimed water for landscape irrigation needs for a 10-year period or longer. - Use water meters to analyze water usage and startegize methods to conserve water resources over time. - Curtail the use of well water or domestic water for irrigation purposes by increasing the use of reclaimed water - The University shall strive to inform faculty and staff on the benefits of utilizing reclaimed water for irrigation through outreach and demonstration projects to encourage healthy practices.
Temporary Irrigation (Required component of C3.4) Describe the process for disconnecting/ removing temporary irrigation systems, if present, after the plant establishment period.	implemented for three years, or until deemed unecessary by the groundskeeeping team, then the temporary systems will be capped.	UF Facilities Services administerd Groundskeeper III Team	Temporary irrigation system for trees and shubberies active for three years.	Develop and sustain a healthy environment for new plants over the 10-year period and longer, therefore the new plants can easily transition and adapt faster.
	SOIL ST The process for identifying soil deficiencies	EWARDSHIP - UF Facilities Services- Groundskeeper	First soil test, prior to development	To maintain previous soil conditions before
Soil amendments and fertilizers (Required component of P4.1,C6.7, P7.3, C7.4, C8.4) Describe the process for identifying soil deficiencies, including conducting soil test(s) prior to adding amendments and fertilizers. Specify use of the least harmful amendments (such as compost) when necessary.	The proceed of another provide the second se	III Team	Sources, profile and accorporatin, completed on 05/14/2021 Second soil test will be completed after development. Soil conditions will be evaluated once a month through scouting.	development or to improve previous soil conditions before development. Soil conditions will allow for future vegetation to prosper and help UF achieve their goals for the Landscape Master Plan. The University shall establish healthy soil conditions to enhance the campus environment and reflect the University's ecological setting with the incorporation of native vegetation. The University shall strive to inform faculty and staff on the benefits of utilizing compost rather than fertilizer through outreach and demonstration projects to encourage healthy practices.
Use of fertilizers (Required component of P4.1, P4.2, C6.7, C8.4) Describe the process for applying fertilizers (only if needed) to ensure that application is effective and prevents harm to environmental and human health.	The process of applying fertilizers begins with visual tests by the lawn maintenance crew. If vegetation is seen to have no deficiencies, fertilizer will not be applied. If vegetation is seen to have deficiences it will be treated with compost from on-site facility. If compost is not seen as an effective method, NPK fifty percent slow- release fertilizers will be used for different types of vegetation. The application of these specific fertilizers prevents harm to environmental and human health from potential excess runolf.	UF Facilities Services & UF/IFAS administered Groundskeeper III Team	Vegetation and soil will be evaluated once a month through scouting.	The University shall continue to phase out the implementation of non-native plants and increase the amount of native vegetation. The additions of native vegetation shall decrease the demand for fertilizers. The University shall utilize native vegetation to decrease fertilizer use and enhance the campus environment to reflect the University's ecological setting. The University shall strive to inform faculty and staff on the ecological implications of abundant fertilizer use through outreach and demonstration projects to encourage healthy practices.
Erosion and compaction (Required component of P4.1, P7.3, C7.4) Describe the process for alleviating soil erosion or compaction (due to site use or maintenance) that is detrimental to plant health.	The processes for alleviating soil erosion or compaction include but are not limited to - phasing and limiting the removal of vegetation - minimizing the amount of land area that is cleared - limiting the amount of time bare land is exposed to rainfall - using temporary ground cover on cleared areas if construction is no imminent - using temporary ground cover on cleared appropriate sediment barriers adjacent to water bodies, wetlands and areas of slope - maintaining vegetative cover on areas of high soil erosion potential (i.e., banks of streams, steep or long slopes, stormeater conveyances, etc.), where feasible. - utilization of smal dics to alleviate soil compaction completed by maintenance team - monitor nearby aquatic systems for increased sediminet toad; utilize Dino 6 Dregde to gather sediment if necessary	UF Facilities Services & UF/IFAS administered Groundskeeper III Team	Soil conditions will be evaluated once a month through scouting. - Assessment of soil erosion after severe weather event - Weekly monitoring of soil erosion or compaction during and after construction	The University will continue to assess, train, and monitor implementation of these BMPs over the 10-year period with the desire of - minimal pollutant runoff - improving the quality of nearby aquatic systems and meet Class III-Limited water quality standards in Lake Alice - implementing the latest advances in agricultural BMPs to avoid erosion and compaction gribe latest advances and soil compaction suscess through outreach and demonstration projects and encourage healthy practices.
	VEG	ETATION		
Plant health care (Required component of C3.5, C3.6, P4.3, C4.4, C4.5, C4.6, C4.7, C4.8, C4.9, C4.10, C4.11, C6.7, C5.3, C6.4) Describe the process for maintaining vegetation, including food producing gardens, according to long-term plans for the site and adhering to recognized standards for professional horticultural practice. Describe the process for monitoring plant health to prevent problems. Provide a list (include common and scientific names) of potential appropriate, noninvasive plants that can be used for any plant replacement for replacing plants. When replacing plants, consider maintenance needs of plants and design style.	The process for maintaining vegetation on site is scouting. The evaluation includes monitoring plant health to prevent problems. Potential approporiate, non-invasive plants for replacement: - Shumard/Bluff Oak, Quercus austrina - Southern Live Oak, Quercus virginiana - Crepe myrtle, Lagerstroemia spp. - D.D. Blanchard, Magnolia grandiflora - Sabal Palm, Sabal palmetto	- UF Facilities Services & UF/IFAS administered Groundskeeper III Team - certified arborist	Vegetation will be evaluated once a month through scouting.	 Maintain optimal plant health through recognized standards for professional horticultural practices to prevent the implementation of replacement plants. Encourage the incorporation of native plants to foster a healthier environment. continue to maintain and expand the University inventories of trees (particularly National Champion and Heritage Specimens) and rare plants on the main campus - The University shall utilize landscaping and tree canopy to enhance the campus environment and reflect the University's ecological setting.
Healthy plant material management (Required component of C6.7, C8.3, C8.4) Describe the process for managing excess organic plant material generated on site (e.g., composting, recycling). Plan and schedule for harvest of food producing gardens.	The process for managing excessive organic plant material generated on site includes collecting leaf and other debris through a vacuum that reduces the organic material 15:1 which is then carried to the composting facility. The organic matter will take approximately one year to decompose then will be transported and used for fertilization needs. No food production on site.	UF Facilities Services & UF/IFAS administered Groundskeeper III Team	Excess organic plant material will be collecteda week when the site is being maintained by the UF Groundskeeper Team III and then carried to the composting facility, where the matter will take approximately one year to decompose. Gather organic plant material after major storm event.	Have all excess organic plant material generated on site be collected and transported to compost facility ensuring healthy plant material management. The University shall utilize healthy plant material management practices to enhance the campus environment and reflect the University's ecological setting. The University shall strive to inform faculty and staff on healthy plant material management practices through outreach and demonstration projects.
Diseased and invasive plant disposal (Required component of P4.2, C7.6, C8.3) identify the proper techniques for addressing dead, diseased, invasive, or pest- infested vegetation in a manner that does not increase the likelihood of spread.		UF Facilities Services administered Groundskeeper III Team and EH&S Pest Management	Vegetation will be evaluated once a month through scouting.	Control and prevent the spread of plant diseases and invasive pests by proper management through frequent observation of site and site specific treatment. The University shall properly and safely dispose of diseased and invasive plants to enhance the cmapus environment and reflect the University scological setting. The University shall strive to inform faculty, staff, students and visitors on plant diseases and invasive plant species through outreach and demonstration projects.

SECTION 8: OPERATIONS + MAINTENANCE

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Site safety Required component of C4.11, C8.3, C8.4) Describe the process for maintaining vegetation to ensure site safety and meet the needs of the intended uses of the site. Describe the process for managing vegetative biomass to reduce the risk of catastrophic wildfine. If prescribed	Maintaining vegetation is completed by the Groundskeeper III Team under the UF Facilities Operations department to ensure site safety and that the site is being utilized for its intended use. The vegetative biomass on-site is not sufficient enough to sustain a catastrophic wildling. The site will not implement prescribed fires or any variation of a burn plan. Trimming, pruning and mowing will take place as needed to minimize fire hazard.		Vegetation will be evaluated once a month through scouting.	Vegetation will be constantly managed so that there is not an excess build up of vegetative biomass. The University shall utilize landscaping and tree canopy to enhance the campus environment and reflect the University's ecological setting.
Pest management (Required component of P4.2, C6.7, C8.4) Describe how pest, diseases, and any unwanted species of plants and animals will be controlled using Integrated Pest Management (IPM) techniques.	The invasive species management plan that will be implemented on site includes the monthly scouting process carried out by the Groundskeeper III Team as well as scheduled noutine visits by the EH&S Pest Management. Servicing includes: - applying baits - maintaining insect light traps - physical removal - larva and adulticide applications for mosquitos made as needed - capture, relocation and exclusion for birds, squirrels, raccoons, possums, snakes, bat and alligators as required. Most pest problems can be resolved by using non-chemical insect traps or baits, pesticides would only be used if deeme necessary. If an invasive species is identified on site the University shall coordinate with the Florida Department of Environmental Protection and other appropriate governmental entities to ensure the proper removal and disposal of these exotic species.	UF Facilities Services administered Groundskeeper III Team and EH&S Pest Management Department	Vegetation will be evaluated once a month through scouting.	The University shall utilize the Integrated Pest Management plan to prevent the growth of pests on site. Employing the Integrated Pest Management Plan enhances the campus environment to reflect the University's ecological setting. The University shall strive to inform faculty, staff, students and visions on the identification of pests and the process of reporting pests on-site through outreach and demonstration projects.
	The University should frequently reference the following list for newly intorduced non-native invasice species: IFAS Assessment of Non-Native Plants in Florida's Natural Areas - Department of Agriculture and Consumer Services' 'Noxious Weed List' - Florida Exotic Pest Plant Council's 'List of Invasive Plant Species' The Florida Exotic Pest Plant Council classifies these plant species as invasive plant species that have been identified near the site: - Cat's Claw (Dolichandra unguis-cati) - Boston/ Sword Ferr (Nephrolepis cordifolia) - Skunkvine (Paederia foetida)	UF Facilities Services- Grounds Department	Vegetation will be evaluated once a month through scouting.	Control and prevent the spread of plant diseases and invasive pests by proper management through frequent observation of site and site specific treatment. The University shall properly and safely dispose of diseased and invasive plants to enhance the cmapus environment and reflect the University's ecological setting. The University shall strive to inform faculty, staff, students and visitors on plant diseases and invasive plant species through outreach and demonstration projects.
Invasive Management Plan (Required component of P4.2, C8.4) Provide an active multi-year invasive species management plan for control and subsequent management of any plant species included in the row above, including: IPM strategies, procedure for identifying and monitoring for additional invasive species, procedure for adding new species, treatments, long-term control including monitoring, and methods to dispose of invasive plant materials.	The invasive species management plan that will be implemented on site includes the monthly scouling process carried out by the Groundskeeper III Team as well as scheduled for unter wists by the EH&S Pest Management. Pest technicians are responsible for responding to service requests, further inspect the troubled area, identifying the insect and pest monitoring. The technicians, along with the pest management coordinator, will then develop proper pest prevention measures and treatment. Servicing includes: - appplying baits - maintaining insect tight traps - physical removal - larva and adulticide applications for mosquitos made as needed - capture, relocation and exclusion for birds, squirrels, raccouns, possums, snakes, bat and aligators as required. Most pest problems can be resolved by using non-chemical insect traps or baits; pesticides would only be used if deeme necessary. Typically if an invasive plant species is identified it will be immediately removed and disposed of of-late; equipment used to collect invasive species will be sanitized.	UF Facilities Services administered Groundskeeper III Team and EH&S Pest Management	Vegetation will be evaluated once a month through scouting.	The University shall utilize the Integrated Pest Management plan to prevent the growth of pests on site. Employing the Integrated Pest Management Plan enhances the campus environment to reflect the University's ecological setting. The University shall strive to inform faculty, staff, students and visions on the identification of pests and the process of reporting pests on-site through outreach and demonstration projects.
	MATERIALS	S MANAGEMENT		
C6.8, C8.5) Provide a list of preferred characteristics for replacement materials (e.g.,	Materials that need to be replaced on site will	Planning, Construction and Design Division at UF, Land Use and Facilities Committee, Preservation of Historic	Bi-annual evaluation and recorded condition of the materials used on site.	New additions shall strive to maintain a consistent build that defines the campus civic realm, preserves campus character, and promotes design innovation.
Functionality and extended use (Required component of C5.2, C5.3, C5.4, C5.8) Describe the process for repairing and maintaining structures and paving in a way that reduces harm to environmental and human health (e.g. use of low- emitting adhesives) and ensures the effectiveness of the material (e.g., clean pervious surfaces)	The University shall continue to deveop and implement cleaning and maintenance protocols for use by maintenance staff, supervisors, contractors and building occupants such as using less abrasive "green" cleaning products, such as soft wash, to a ensure proper protection of historic materials in the Campus Historic District. The University will continue to identify, designate and protect the university's historic and archaeological resources by complying with the State Division of Historic Resources pursuant to Section 267.061(2) Florida Statutes regarding maintenance. rehabilitation, remodeling, renovation and demolition activites.	UF Facilities Services administered Groundskeeper III Team	Bi-annual evaluation and recorded condition of the structures on site. Structures will be cleaned and fixed on an as-needed basis.	The University shall only implement sustainable processes for repairing and maintaining structures. In University shall strive to keep structures in good condition so that it maintains a consistent build the defines the campus civic realm, preserves campus character, and promotes design innovation.

Section 8: Operations + Maintenance

SECTION 6: OPERATIONS + MAINTENANCE				
Site safety (Required component of C5.2, C6.2, P8.2, C8.3, C8.4) Describe the process for repairing and maintaining structures and paving that reduces harm to environmental and human health and ensures site safety and that meets the needs of the intended uses of the site. Describe the process for properly disposing of harmful materials.	There will be no generation of harmful materials on site. Hazardous materials will be properly disposed of based on typ eof material. The University shall continue to deveop and implement cleaning and maintenance protocols for use by maintenance staff, supervisors, contractors and building occupants such as using less abrasive "green" cleaning products, such as soft wash, to ensure proper protection of historic materials in the Campus Historic District. The University will continue to identify, designate and protect the university's historic and archaeological resources by complying with the State Division of Historic Resources pursuant to Section 267.061(2) Florida Statutes regarding maintenance. rehabilitation, remodeling, renovation and demolition activites.	UF Facilities Services administered Groundskeeper III Team and EH&S Pest Management	Bi-annual evaluation and recorded condition of the structures on site. Structures will be cleaned and fixed on an as-needed basis.	The University shall only implement sustainable processes for repairing and maintaining structures. Ine University shall strive to keep structures in good condition so that it maintains consistent build the defines the campus civic realm, preserves campus character, and promotes design innovation.
Historic buildings, structures, objects and cultural landscapes (Required component of C4.5, C5.2, C6.1) Describe the process for maintaining the integrity of historic buildings and structures and cultural landscapes. Process to include detailed specifications related to the repair or replacement of features and any maintenance work to be documented for records. Describe the process for determining how conflicts between historic and environmental concerns will be addressed.	Continue to identify, designate and protect the university's historic and archaeological resources by complying with the provisions set forth in the programmatic memorandum of agreement with the State Division of Historic Resources pursuant to Section 267.061(2) Folrida Statutes regarding new construction, earthwork and landscaping activities. Prior to an historic property or landscape being rehabilitated or substantially altered in a way that may adversly affects its character, form, integrity or archaeological or historic route, the University shall consult with the Preservation of Historic Buildings and Sites Committee and the Land Use and Facilities Planning Committee, in addition to any other committee reviews called for through the standard project review process defined in the Implementation thational Register of Historic Places, the University should also consult the Florida Department of State's Division of Historical Resources to avoid or mitigate adverse impacts, and undertake any appropriate salvage or recoveyr action as required by the programmtic memorandum of agreement.	Planning, Construction and Design Division at UF, Land Use and Facilities Committee, Preservation of Historic Buildings and Sites Committee	Bi-annual evaluation and recorded condition of the historic structures on site. Structures will be cleaned and fixed on an as-needed basis.	Continue to identify, designate, protect, and enhance the University's historic and archaeological resources by complying with the provisions set forth in the programmatic memorandum of agreement with the Florida Statutes regarding new construction, earthwork and landscaping activities. The Planning, Desing and Construction Division, Preservation of Historic Buildings and Sites Committee, and Architectural Review Council shall continue to collaborate on historic preservation with best practices for rehabilitation and new construction specific to the University of Florida campus. The University shall strive to inform faculty, staff students and visitors about the significance of the historic structures through outreach and demonstration projects.
Recyclable materials (Required component of P8.2) Describe the process for managing and recycling all paper, glass, plastics, and metals that will be generated on site.	The University shall promote recycling through increased educational efforts directed toward factuly, students and staff. The Facilities Services and Office of Sustainability seek opportunities to expand the type of recycled materials based on industry demand. Currently the following items can be recycled on site: office paper, newspirit, phone books, magazines, junk mail, soft-cover books, corrugated containers (hoxes), toner & inkjet cartridges, cans, glass bottles & jans, white goods, scrap metal, used pallets, used lumber, yard debris and masonry. There will be three locations for recycling on site. Recycables will be gathered once or twice a week depending on how full the bins are. Once gathered, recycables are gathered and sorted at an on- site facility. Once sorted, recycables are collected by a third-party vendor and taken off- site.	UF Facilities Services and Office of Sustainability Dale Morris	Recycling bins will be gathered once or twice a week depending on how full the cans are.	To provide for safe, sanitary, efficient, economical and environmentally sound recycling collection program that assures public health adn safety for the current and future demands o the University. The University shall strive to reduce the total volume of solid waste requiring disposal and increase landfill diversion (i.e. ruse, repurpose, recycling, composting) of the remainder by at least 90% in pursuit of zero- waste goal. The University shall continure implementing and expanding recycling programs associated with major aportunities to expand and other large events on campus. The university shall look for opportunities to expand the current recycling program to include an additional recycling bin ands other recycable materials. The University shall promote recycling through increased educational efforts directed toward falculy, staff, students and visitors.
On-site food waste (Required component of C6.7, C8.3) For sites that generate food waste, describe the process for on-site collection of compostable organics to prevent them from entering the municipal solid-	Not applicable- No food waste generated on- site.	Not applicable- No food waste generated on-site.	Not applicable- No food waste generated on-site.	Not applicable- No food waste generated on- site.
waste stream.	SENSITIVE	SITE FEATURES	1	
Conserve aquatic ecosystems (Required component of P1.2, P1.3, C3.5, C3.6) Indicate the maintenance techniques and describe the monitoring activities that will ensure proper aquatic ecosystem function remains.	No aquatic ecosystems on site. Maintenance techniques include using BMP's to ensure minimal sediment and pollutant runoff that could possibly contaminate nearby aquatic ecosystems off site. Nearby aquatic ecosystems off site include sinkholes, creeks, ponds and Lake Alice on the UF campus. UF IFAS team completes frequent water quality monitoring tests in aquatic ecosystem off site to ensure proper aquatic ecosystem off site to ensure proper aquatic ecosystem are cleaned using GeoForm's Dino6 Dredge that removes excess sediments that settle at the bottom of the waterways (rom sediment runoff. The excess sediment is taken out and dried to be recycled.	UF Facilities Services administered Groundskeeper III Team and EH&S Pest Management	Frequent water quality monitoring test taken at nearby off-site aquatic ecosystems.	The University will continue to assess, train, and monitor implementation of these BMPs over the 10-year period with the desire of - decreasing the use of fertilizers and pesticides - minimal pollutant runoff - little to no sediment runoff - little to no sediment runoff - state and the set of nearby aquatic systems and meet Class III-Limited water quality standards in Lake Alice - implementing the latest advances in agricultural BMPs The University shall strive to inform faculty, staff, students and visitors on healthy practices to maintain aquatic ecosystems through outreach and demonstration projects.
Conserve habitats for threatened and endangered species (Required component of P1.4, C4.7) Describe the process for avoiding impacts during site maintenance to threatened and endangered species and their habitats.		UF Facilities Services administered Groundskeeper III Team and EH&S Pest Management	Examine for endangered species during the monthly scouting process.	To restrict University activities known to threaten the habitat and survival of endangered and threatened species on or adjacent to the main campus or satellite properties. The University shall inform faculty, staff, and students about endangered species on-site and proper techniques to not disturbs speciesthrough outreach and demonstration projects.

Section 8: Operations + Maintenance

	Ongoing management activites to protect the	UF Facilities Services administered	Mow over the VSPZ only twice a year.	Protect the integrity of vegetation and soil
Maintain Vegetation and Soil Protection Zones (Required component of P1.1, P1.2, P1.3, P1.4, P2.3, P4.1, C4.4, C4.5, C4.6, C4.7) Describe orgoing management activities to protect the integrity of vegetation and soil protection zones.	integrity of vegetation and soil protection zones include integrating suitable ground cover in the designated VSPZ areas. Suitable ground cover includes mulch or vegatation, such as jasmine, that do not require much maintenance. This allows for the VSPZ areas to not be disturbed frequently ensuing its protection.		Any pruning will be identified and completed by an aborist.	protection zones by maintaining healthy practices. Maintain a healthy environment that allows for the vegetation to grow and improves soil conditions in soil protection zones. The University shall make efforts to inform faculty, staff, students and visitors on VSPZ and techniques to protect the integrity of the zones.
	LANDSCAPE MAIN	TENANCE EQUIPMENT		
Equipment maintenance (Required component of P4.2, C8.7) List the types of equipment (manual, electric, low-emitting, or gasoline powered) used on site. Describe the process for maintaining equipment. Include a description of the process for cleaning equipment to remove invasive species to prevent transport to other sites.	The types of equipment that will be used on site include: - (2) 4 Stroke 60°-72° Riding Mower - (5) 2 Stroke Backpack Blower - (1) 2 Stroke Backpack Blower Excess vegetation that accumulates on the maintenance equipment will be collected and sent with the vegetation clippings gathered from the maintenance activities to the composting facility. If an invasive species is found it will be removed from the site and discarded in a bag to an off-site facility. If equipment is used to remore an invasive species, the vegetation will be cleaned off the equipment and discarded in a bag that will be transported to an off-site facility, the equipment will then be sanitized.	UF Facilities Services administered Groundskeeper III Team	Equipment will be used on site once a week in the morning hours.	Alt types of landscaping equipment will be electric in 10 years or less to reduce the amount CO2 emissions emitted by current gas powered equipment.
Site user experience (Required component of C6.4, C8.4, C8.7) Describe the maintenance schedule that minimizes users' exposure to noise, localized air pollution, and other disturbances.	The site will be maintainanced once a week during morning hours when wistors are less likely to frequent the site. Maintenancing the site once a week during the morning hours minimizes the users' exposure to noise, localized air pollution and other distrubances.	UF Facilities Services administered Groundskeeper III Team	Equipment will be used on site once a week in the morning hours.	Reduce all types of pollution by requiring electric equipment and scheduling maintenance at a time when site users frequent the site the least.
	SNOV	V AND ICE	•	
Managing snow/ice (for sites receiving snow/ice) (Required component of P1.2, P1.3, P1.4, P3.1, C3.3, C3.5, C3.6, C6.2) Describe the process for managing snow/ice in ways that limit degradation of water quality and surrounding plants and soil health. Also, describe the process for stockpiling areas and managing any snow-melt that will be used as a water source on site.	Not applicable- No snow or ice in this region.	Not applicable- No snow or ice in this region	Not applicable- No snow or ice in this region	Not applicable. No snow or ice in this region
	ADAPTIVE	MANAGEMENT	•	
Update Site Maintenance Plan (Required component of P8.1) Describe the process for reevaluating the maintenance plan on an annual basis, and revising as needed to adapt to future conditions and unforeseen changes.	The site will be monitored weekly when being maintenanced. Once a month the groundskeeper team will go more in depth and evaluate the site through the scouting process. If the groundskeepers see any deficiencies on site, it will be communicated to the superintendents immediately. The UF Facilities Services Grounds Department Superintendents will meet annually with the other team members to discuss the efficiency and success of the maintenance plan. The team will communicate and brianistorm on how the maintenance plan can be improved to further support the scope of the project. If the team will meet when necessary to develop a mitigation plan.	UF PDC: Dustin Stephany, Melanie Heflin, Cydney McGlothin, Frank	The team will meet once annually to reevaluate the site maintenance plan. If an issue arises within the site maintenance plan that is urgent, the team will meet when needed.	The team will meet once a year to discuss the maintenance plan and how it correlates with the scope of the project for ten years. It is important that the team meets annually for the first three years to work through any issues during the establishment period. Through effective communication, the team will be able to adapt to any unforseen changes/conditions and continue to support the scope of the project ten years after establishment.

Signatures from all integrated team members stating the site maintenance plan and relevant discussions were conducted collaboratvely.

□ 9:20 – 10:00 am

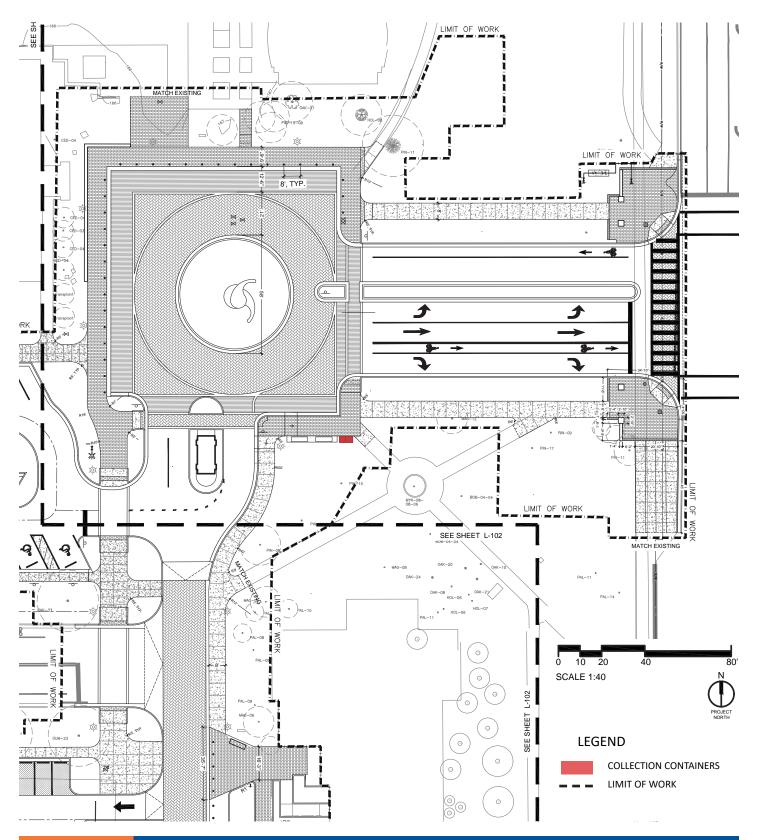
□ SITES Certification Requirements – Dustin Stephany presentation

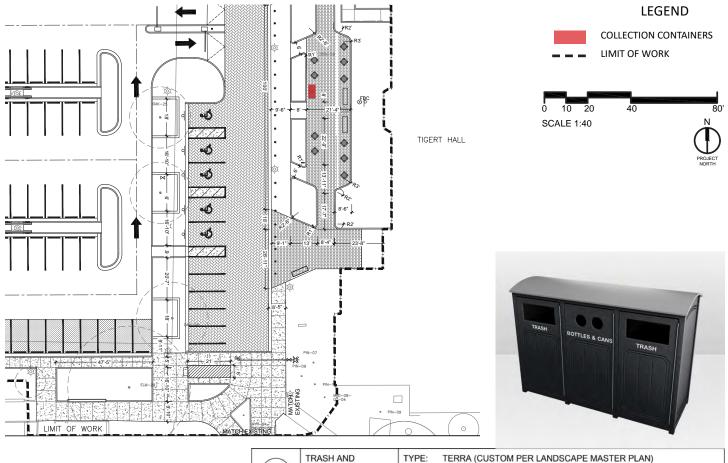
- 1. UF's sustainability track record
- 2. Guiding and project specific principles: prerequisites/credits, reuse/salvaged materials, soil management plan, advocacy letters, and punchlist
- 3. Sites requirements need to translate to construction documents for field implementation

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PREREQUISITE 8.2 Provide For storage and collection of RECYCLABLES

Site plans







TYPE: TERRA (CUSTOM PER LANDSCAPE MASTER PLAN) COLOR: BLACK FINISH: MAX-R LUMBER SOURCE:MAX-R; www.max-r.com (877) 646-0663 NOTES:





Narrative & Results of Waste Stream Study

The Northeast Gateway site contains six waste and recycling receptacles. There is an existing two-tier receptacle on the northeast corner of the site boundary that will remain as is. This receptacle is directly next to the bus station and has one bin for trash and one bin for recyclable bottles and cans. A three-tier receptacle was placed in the northwest corner of the boundary. This three-tier receptacle has two bins for trash and one bin for bottles and can recyclables. This location will benefit from a three-tier receptacle because it is an entry into campus and receives a high volume of foot traffic. A two-tier unit was placed in the southeast corner of the roundabout since that is where the electric buses stop and



Firgure 1

let passengers load or unload. This two-tier receptacle has one bin for trash while the other bin is for bottles and cans. The two three-tier receptacles at the entrances of Tigert Hall remain as is. These receptacles have one bin for trash, one bin for paper, and one bin for recyclable bottles and cans. Since Tigert Hall is an administration building, the paper bins are instrumental. A three-tier receptacle was placed in the outdoor gathering area behind Tigert Hall. This receptacle contains two bins for trash and one bin for recyclable bottles and cans. It is inferred that this receptacle is used by the full-time employees during their breaks.



Firgure 2

The individual bins in the receptacles are designed to hold gallons of waste and recyclables each. This allows for the twotier receptacles to hold 30 gallons of waste and 30 gallons of recyclables and the three-tier receptacles to hold 60 gallons of trash and 30 gallons of recyclables each. The waste and recyclables are monitored twice weekly and are collected at least once a week depending on the volume of waste. Pre COVID-19 there was an average collection of trash twice a week and recyclables once a week. With this data, there is an estimate of 480 gallons of trash and 240 gallons of recyclables being collected in the Northeast Gateway limit if work weekly. In the case that there are events held on or nearby the site, the receptacles will be evaluated the morning after and will be collected if the volume is at least 50% full.

The waste is differentiated by color of bags, where trash is collected in black bags while recyclables are collected in

transparent bags. Once the recyclables are gathered from the receptacles, the bags are placed in a trailer and transported to onsite campus recycling yard (Figure 1). At the recycling yard, each bag is inspected for contamination which is done by examining the content through the transparent bags. If there is a small amount of contamination in the recycling bags, it will be hand picked out and discarded as waste. If there is a significant amount of contamination in the recycling bags where the recyclables are unsalvageable, the entire bag will be discarded as waste. Waste will be discarded in waste dumpsters (Figure 2). The recyclable waste that passes through the sorting process will be transported to the recycling dumpsters on campus at Flavet Field if it is paper and/or cardboard (Figure 3) or the Recycling Bullpen if it is metal and/or glass (Figure 4 and Figure 5). The waste and recyclable waste will be collected by the third-party vendor WCA and taken to the Alachua County Transfer Station.



Firgure 3



Firgure 4



Firgure 5

Vendor Contract



Office of the Vice President and Chief Financial Officer *Procurement Services* https://procurement.ufl.edu/ 971 Elmore Drive PO Box 115250 Gainesville, FL 32611-5250 (352) 392-1331 Fax 352-392-8837

University of Florida MEMORANDUM OF UNDERSTANDING (MOU) Waste Stream Handling Solutions

Purpose: The intent of this document is to clearly outline the mutual understanding between the University of Florida ("University") and WCA of Florida, LLC ("Vendor") surrounding our enhanced partnership for waste stream handling solutions.

- I. General Terms
 - A. Contract Basis: Vendor accepts the terms and conditions as outlined by Invitation to Negotiate ITN20KO-132 Waste Stream Handling Solutions document and University accepts the proposal submitted by the Vendor in their response to the ITN as well as responses to the Selection Committees questions and requests for clarifications submitted on April, 29, 2020, May 13, 2020 and May 27, 2020. Additional terms outlined in this MOU are mutually agreeable to the vendor and the University indicated by acceptance and signature.
 - B. Effective Date: Pricing and terms effective as of August 1, 2020 thru June 30, 2025.
 - C. Term of Contract: The contract will have an option to renew based on satisfactory performance and the written approval of both parties for up to two (2) additional five (5) year periods.
 - D. Termination: As outlined in Section 6.41 of ITN20KO-132.
- II. Pricing
 - A. Pricing/Discount Structure: (Attachment A)
 - B. Price Adjustments: As outlined in Section 6.34 in ITN20KO-132.
- III. Services

As outlined in ITN20KO-132.

- A. Lot 1
 - 1) Compactor Services
 - 2) Roll-off Services
 - 3) Front-load Services
 - 4) Hauling of Cardboard Bales
 - 5) MSW Cart Collection from Dasburg House
 - 6) Compactor Cleaning
 - 7) Compactor Painting
 - 8) Compactor/Baler Repairs and Maintenance
 - 9) Contract Management

B. Lot 3

1) Indoor Office Paper Collection

The Foundation for The Gator Nation An Equal Opportunity Institution C. Lot 4

1) Bottle and Can Collection

IV. Management

A. Contract Manager: Vendor will provide dedicated contract manager as described in ITN20KO-132.

Signed by: Joseph Glover

Date: 7/29/2020 | 8:44 PM EDT

Signed by: WCA of Florida, LLC.

Date: 1-20-2020

ITN20KO-132 ATTACHMENT A

PRICE PAGE - LOT 1

Item	Description	Cost
1.2.1 Compactor Services	Compactor Cost per pull (one price for all pulls regardless of destination facility)	\$136.83
1.2.2 Roll-off Services	Roll-off Cost per pull - MSW, Bottles and Cans, C&D	\$136.83
	Roll-off Cost per pull - Special Waste	\$300.00
	Container Charge (if any)	\$0.00
	Delivery Charge (if any)	\$0.00
1.2.3 Front-load Services	Front-load cost per cubic yard - MSW	\$5.12
	Front-load cost per cubic yard - Cardboard	\$2.61
	Container Charge (if any)	\$0.00
1.2.4 Hawling of Costheard Dales	Cost ses baid (C bala minimum)	\$125.00
1.2.4 Hauling of Cardboard Bales	Cost per haul (6 bale minimum)	\$125.00
1.2.5 MSW Cart Collection from Dasburg House	Dasburg House cost per collection	\$0.00
1.2.6 Compactor Cleaning	Cost per Level 1 cleaning	\$114.02
	Cost per Level 2 cleaning	\$114.02
1.2.7 Compactor Painting	Pull charge (if any)	\$136.83
	Per hour labor charge for painting and prep work	\$100.00
	Cost per compactor to complete annual greasing, perform detailed annual assessment, and prepare	
1.2.8 Compactor/Baler Repairs Maintenance	report outlining recommendations and price quotes	\$85.00
	Per hour labor charge for repairs	\$85.00
	Per hour charge for travel time (if any)	\$0.00
	Upcharge on parts (if any)	\$0.00
	Pull charge (if any)	\$136.83
1.2.10 Home Football Game Clean-up Services	Hourly rate for use of rear-loader and driver	\$142.53

ITN20KO-132 ATTACHMENT A

PRICE PAGE - LOT 3

Item	Description	Cost
1.2.11 Indoor Office Paper Collection	Office paper cost per collection per bin	\$2.38

	ITN20KO-132		
	ATTACHMENT A		
	PRICE PAGE - LOT 4		
Item	Description	Cost	
1.2.12 Bottle and Can Collection	Bottle and can cost per collection per cart		\$2.38

CREDIT 8.3 | RECYCLE ORGANIC MATTER

Narrative

Goal: 4 points



Excess vegetation trimmings are generated on site after site maintenance. The vegetation trimmings are collected and gathered in a facility truck. The truck takes the vegetation trimmings to the on-site composting facility. Here the vegetation trimmings are unloaded in an open space and gathered together to create a large pile. This would be the first stage of the composting system (Figure 1). During the first stage, the composting material will be turned to keep oxygen available in the pile to accelerate the decomposition process. Once there is a significant amount of decomposition, the organic matter will then be screened for the second stage of composting. The organic matter will go through a composting screening machine, the EZ Screen 1200XLS (Figure 2). The matter that goes through the EZ Screen 1200XLS is expelled out to create a new composting pile (Figure 3). Organic matter that does not pass through the screening process will be

Figure 1

deposited back into the original pile (Figure 1) to go through the initial decomposition process again. The screening process will happen one more time after allowing the organic matter to decompose another significant amount. Organic matter that passes through the screening process will be moved to create a third composting pile where it will finish out the remaining months of the

decomposition process. Once the organic matter is in its final decomposition phase, it will be transported to a concrete cinder block bin to be ready for use (Figure 4). In total, the University allows twelve months for the composting process. Once the organic matter is completely decomposed, it is gathered out of the cinder block bin and recycled as a nutrient-rich fertilizer and soil amendment for various locations on campus.



Figure 2



Figure 3



Figure 4

SECTION 8: OPERATIONS + MAINTENANCE

Site Plan



CREDIT 8.4 MINIMIZE PESTICIDE AND FERTILIZER USE

OPTION 2: BEST MANAGEMENT PRACTICES FOR PLANT HEALTH CARE

Narrative

Goal: 5 points

The IPMP establishes a plan of action for identifying specific pest, population and specific management strategies for identified pests. Physical and mechanical controls are implemented first, followed by biotic controls and targeted chemical controls from least toxic to most as a last resort. A notification protocol is in place for surrounding site users when chemical pesticides are applied in place. In the rare cae where toxic materials are needed, Environmental Health and Safety will prioritize application where there is the least amount of traffic (for example during spring, semester, and holiday breaks). If the situation is an emergency then building managers adjacent to the area of concern will be notified via Facilities Services Building Points of Contact database.

All "weed and feed" type ferilizers are banned from use. The University must follow Alachua County's fertilizer ordinance concerning the application window. Fertilizers containing any nitrogen are not permitted to be used during the rainy season. Almost all fertilizers are purchased from SiteOne's outlet in Gainesville, with varying formulations due to availability and cost. Fertilizers are not used for cosmetic purposes and only applied to keep from having bare ground. Pre-emergent herbicides are not banned. Application of fertilizers before a known storm are banned, this is not only an ecological decision, but an economic one too.

Buffer zones are enforced where fertilizers and pesticides may not be applied such as: water bodies, wetlands, aquatic ecosystems, drains, conveyance features, areas where runoff can impact water quality, and human use areas. Any mis-targeted material is blown back into the target zone immediately following application. Buffer zone is at least 10 feet, but usually more.

The types of ferilizers used include synthetic and 100% organic. The fertilizer used depends on the location, time of year, and target vegetation. There is proper storage and handling of fertilizers. Fertilizers are dry granular so there is no mixing. Fertilization and pest control records are kept, although not mandatory by law. The fertilization records help with assessing results and controlling costs.

Policies

INTEGRATED PEST MANAGEMENT POLICY

General Household Pest Services (GHP)

GHP service includes monthly, bi-monthly or quarterly (as required) inspecting, monitoring (sticky trap placement and checking) applying baits, servicing and maintaining insect light traps, physical removal, (including specialized vacuuming as required) applying residuals to exterior perimeters, around doors and windows, reporting entry points and structural deficiencies for repair orders and emphasizing sanitation. Rodent control measures utilize exclusion and mechanical trapping whenever possible to minimize the use of harmful products. All "food areas" and other pest-prone areas are serviced at least monthly.

Service Requests (Trouble Calls)

All requests for service are placed by calling (352) 392-1591. Callers are asked to give the pest type, location, name and phone number of caller. All non-hospital service requests are to be answered within 48 hours, whenever possible. Hospital trouble calls are usually answered the same day or within 24 hours on UF work days. The information is tracked using the Pestcon system.

IPM Team

Pest technicians – responsible for responding to service requests, further inspect the troubled area, identifying the insect and pest monitoring. The technicians, along with the pest management coordinator, will then develop proper pest prevention measures and treatment.

Building custodians – responsible for properly cleaning the building. They are to prevent outside entry from pests (ie: ensure door seals and cracks in building are properly sealed) and submit work orders to the Grounds Department in Physical Plant to keep trees and shrubbery trimmed away from the building to prevent harborage. If a custodian identifies a pest problem they are to report it to the IPM Team who will send out a technician to assess the situation.

Customer (UF community & visitors) – responsible for keeping their work areas clean, reducing harborages such as clutter, not eating in their work areas, cleaning up drink spills, and reporting any pest sightings to the IPM team.

IPM Plan and Implementation Guidelines

Technicians will respond to all service requests and assess the situation using the following guidelines.

Pest identification – Proper identification of the insect can make treatment and eradication easier. Technicians will identify the pest or bring a sample to the pest management coordinator for proper identification or referral to the UF Entomology Department.

Pest Monitoring – Action thresholds will be determined by the pest management coordinator who will devise a treatment method using the least intrusive and safest methods with public safety in mind.

Pest prevention – Technicians will ensure students, faculty and staff are properly educated on prevention techniques to help deter pests from breeding such as not eating at their desks, cleaning up spills, or overwatering plants.

Pesticide application – Most pest problems can be resolved by using non-chemical insect traps or baits. Only as a last resort will pesticides be used to treat the interior of a building and only in an afterhours setting to prevent exposure to students, faculty and staff. If a situation calls for an emergency application, the person who requested notice will be notified and given an explanation of the emergency.

Best Practice IPM Control Methods

Sanitation – Building occupants may inadvertently attract pest into the building. Technicians will perform a walk-through assessment and identify the problem areas or activities and devise a plan to address them. Eliminate or control all potential food and water sources. Food service areas and break rooms area high prone areas for pests and should be thoroughly cleaned, food and waste should be kept in airtight containers, and empty beverage containers should be rinsed or isolated. Clean all spills promptly and eliminate clutter to simplify cleaning and minimize hiding places for pests. Pests also prefer wet environments and so all dripping faucets and leaking pipes should be fixed.

Exclusion –Landscaping can offer safe havens for pests, including rodents, keep shrubs and other plants at least 18 inches from the building. Ideally fill that space with small stones or similar substrate to minimize opportunities for plant growth. Install barriers to prevent pests from entering the building. Seal any cracks, crevices, and holes in external walls. Inspect all seals around doors and windows, install door sweeps on exterior doors if needed.

Traps – Install traps for both insects and rodents only where needed, rather than throughout the entire building. Rodent baits may be used on the exterior but only as a last resort. Solid bait blocks will be placed in locked outdoor dispensers.

Pesticide Application Communications Plan

Most pesticide treatments will be applied on the perimeter of a building minimizing the impact to students, faculty and staff. In the rare case where interior treatment is necessary, the students, faculty and staff members within this space will be notified prior to application. Additionally, signage will be applied indicating the area treated as well as contact information if the user has further questions. This signage will be posted at least 24 hours post application.

Other Services Offered

Termite Prevention and Control - New construction soil preventative termiticide applications (referred to as Pretreats) require a 24 hour notice. Contractors are expected to have the area clear of work tools and ready to lay a moisture barrier after treatment to prevent any dilution of the product due to rain after treatment. Treatments are also available during renovations where the slab has been disrupted and needs repairing. Corrective subterranean termite treatments are provided to UF structures when infestations are discovered or reported. Materials and methods vary depending on the nature of the infestation but include sub-slab termiticide foam slab injection, direct wood injection, surface application of liquid borates or trench and treat application methods. Inspection of buildings for termites and other Wood Destroying Organisms are provided on request on an as needed basis.

Turf and Ornamental Pest Management - Comprehensive campus-wide fire ant broadcast baiting occurs each spring and fall. Mound treatments are provided during summer as required. Chinch bug control is provided for St. Augustine grass. Shrubbery and indoor tropical plants are treated for mealybug and scale insect control, greenhouse pest control is provided as requested. Sports Turf Pest Management to include weed insect and disease as required to maintain vigor. Sidewalk, fenceline and bare-ground weed control is applied around cooling towers and electrical substations with non-selective herbicides when needed.

Nuisance Wildlife - Capture, relocation and exclusion for birds, squirrels, raccoons, possums, snakes and bats as required. For nuisance alligators contact UPD at 392-1111.

Mosquito Control - Maintains active surveillance for conducive areas. Larva and adulticide applications made as needed to aid in source reduction.

Fumigation Services - Administration and coordination of commercial structural fumigation contracts. In-house operation of fumigation chamber for museum artifacts and specimens.

Aquatic Weed Management - Routinely treats the shorelines of Lake Wauburg north and south complexes for aquatic weed control.

Miscellaneous Services - Bee, wasp, hornet and yellow jacket nest treatment/removal in buildings and grounds. Dead animal removal inside and under UF buildings. Pigeon control project coordination.



Feeding Wild Animals Living on Campus Policy

OBJECTIVE

Florida Statutes Chapter 386 Section.041 prohibits specific actions that contribute to conditions "injurious to public health." The feeding of non-domestic (feral) cats contributes to adverse health and safety issues including fleas, rabies, property damage and native wildlife depletion that all impact our beautiful campus.

POLICY

When humans feed non-domesticated animals such as feral cats other non-targets animals such as raccoons, possums, squirrels, skunks and foxes become conditioned to associate humans with food. They then expect food from well-intending humans who may not realize they are endangering the safety and health of others.

Therefore, individuals or groups will not be allowed to feed feral cats or any other type of wild animal on campus. EH&S Pest Management technicians are authorized to remove any animal food and containers found on campus grounds.

Students and untrained or unvaccinated personnel must avoid animal exposure due to the potential for human injury and transmission of disease.

AUTHORITY

The Division of Environmental Health and Safety's Pest Management Services Department is charged with protecting the campus and its inhabitants from exposure to animals that have the potential for human injury and disease transmission.

Effective 2002, Florida Administrative Code 68A (4000.1). Florida Fish and Wildlife can charge anyone feeding foxes and raccoons with 60 days in jail and a fine of \$500.

PROCEDURES

We must make our campus safer by not leaving food for the wildlife that inhabit our campus, thus allowing the natural available food supply to moderate the populations.

Any questions or wildlife complaints should be directed to EH&S Pest Management at (352) 392-1591 or afterhours to UPD at (352) 392-1111.

Helpful Tips (to be added on the webpage)

- * Office pests like cockroaches, ants and mice love to "do lunch."
- * Please ensure coffee supplies and opened foods are stored in the

refrigerator or in tightly sealed containers.

- * Rinse out that drink can before you recycle.
- * If you spill it, wipe it up.

Caretakers of the UF Bat House Project

http://news.ufl.edu/2011/10/24/bat-cam/

http://www.flmnh.ufl.edu/bats/

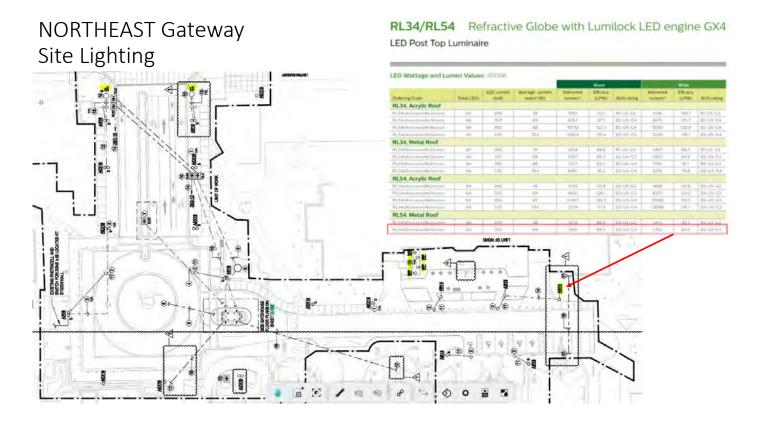
CREDIT 8.5 | REDUCE OUTDOOR ENERGY CONSUMPTION

Narrative

Goal: 3 points

The project included both exterior lighting that already exists and existing lighting that was relocated elsewhere on the site. Energy reduction calculations did not include these. Alternatives were selected based on cost competitiveness and equivalency in lumens. The total lighting reduction within the project site is 80%. No aerators, ceiling fans, water pumps or transformers on the project site. Overall energy savings is 40%.

Calculations



	Lighting Fixture Schedule - Northeast Gateway										
Туре	Quantity	Description	Manufacturer and Model Number	Lumens	Color	Watts	Annual kWh	Mounting	Comparable Unit	Watts	Annual KWh
AEX10	2	Existing LED Acorn Light and 10' Pole	HADCO ACORN RL54-A-C-N-A- FASTENER-BLACK-W-N-N-N-A-3-N-N-N- N-AND POLE	5762	4000	69	402.96	Existing 10' Pole and Base	<u>Dabmar Lighting</u> <u>GM687-BZ-MT</u>	175	1022
AEX15	7	Existing LED Acorn Light and 15' Pole	HADCO ACORN RL54-A-C-N-A- FASTENER-BLACK-W-N-N-N-A-3-N-N-N- N-AND POLE	5762	4000	69	1410.36	Existing 15' Pole and Base	<u>Dabmar Lighting</u> <u>GM687-BZ-MT</u>	175	3577
AR10	2	Relocate LED Acorn Light and 10' Pole	HADCO ACORN RL54-A-C-N-A- FASTENER-BLACK-W-N-N-A-3-N-N-N- N-AND POLE	5762	4000	69	402.96	Existing 10' Pole and Base	<u>Dabmar Lighting</u> <u>GM687-BZ-MT</u>	175	1022
CL	2	LED Wall Sconce - Lantern Type	Evergreen Lighting COZ2220LS	2000	4000	20	116.8	Wall, See Landscape plan	Hubbell WGH-250P	250	1460
WP	4	Wall Pack - Downward Lit	Performance Lighting MIMIK 30M Type II	2750	4000	36	420.48	Wall	Progress Wall_ Lantern Model_ P5863-20	100	1168
AN15	1	New LED Acorn Light and 10' Pole	HADCO ACORN RL54-A-C-N-A- FASTENER-BLACK-W-N-N-N-A-3-N-N-N- N-AND POLE	5762	4000	69	201.48	Existing 10' Pole and Base	<u>Dabmar Lighting</u> <u>GM687-BZ-MT</u>	175	511
AR18	8	New LED Acorn Light and 10' Pole	HADCO ACORN RL54-A-C-N-A- FASTENER-BLACK-W-N-N-N-A-3-N-N-N- N-AND POLE	5762	4000	69	1611.84	Existing 18' Pole and Base	<u>Dabmar Lighting</u> <u>GM687-BZ-MT</u>	175	4088
4D	4	Accent Lighting	Lightolier Lytecaster LAR AE IVA LAR 068040 VA LAR DD	650	4000	7	81.76	Ceiling	Juno IC1 4 Inch Incandescent New Construction Downlight Can	60	700.8
6D/E	4	Ambiant Lighting	Lightolier Easylit 6R N Z6RDL 15W CDWLVU	1500	4000	15	175.2	Ceiling	Juno IC22 6 Inch Incandescent New Construction Downlight Can	75	876
	1	Mini Split System	LG LCN128HVA	19.4 SEER	12.6 EER		1236000	N/A	<u>Amana</u> PTC153G35AXXX	10 EER	2057143
						Total	1240823.84			Total	2071567.8
	All purchas	ed equipment has been	included						То	tal Savings	40.1%

Product Cut Sheet

NORTHEAST Gateway Site Lighting

EXISTING OR RELOCATED

Lighting Fixture Schedule - Northeast Gateway

1			tare bonedate it	0		04		α, j
N	Туре	Description	Manufacturer and Model Number	Lumens	Color	Watts	Volts	Mounting
	AEX10	Existing LED Acorn Light and 10' Pole	HADCO ACORN RL54-A-C-N-A- FASTENER-BLACK-W-N-N-N-A-3-N- N-N-N-AND POLE	5762	4000	69	277	Existing 10' Pole and Base
	AEX15	Existing LED Acorn Light and 15' Pole	HADCO ACORN RL54-A-C-N-A- FASTENER-BLACK-W-N-N-N-A-3-N- N-N-N-AND POLE	5762	4000	69	120	Existing 15' Pole and Base
	AR10	Relocate LED Acorn Light and 10' Pole	HADCO ACORN RL54-A-C-N-A- FASTENER-BLACK-W-N-N-N-A-3-N- N-N-N-AND POLE	5762	4000	69	277	Existing 10' Pole and Base
ſ	CL	LED Wall Sconce - Lantern Type	Evergreen Lighting COZ2220LS	2000	4000	20	20	Wall, See Landscape plan
╀	- WP	Wall Pack - Downward Lit	Performance Lighting MIMIK 30M Type II	2750	4000	36	120	Wall
+	- AN15	New LED Acorn Light and 10' Pole	HADCO ACORN RL54-A-C-N-A- FASTENER-BLACK-W-N-N-N-A-3-N- N-N-N-AND POLE	5762	4000	69	277	Existing 10' Pole and Base
l		.: 2 x 20watts	= 40watts vs Alternate	x 100	wat	ts = 2	200	watts

WP: 4 x 36watts = 144watts vs Alternate 250 x 4 = 1,000watts

AN15: 69watts vs Alternate Acorn Light = 175watts

Total watts (125watts) vs Alternate watts (1,375) = 91% reduction

Low-Cost Lighting Alternate (below)

Wall Lantern: 100 W Fixture Watt, 120V AC, Incandescent, 41 to 100 W min 4444.997 Mill Model P5863-20 ▲ Dabmar Lighting GM687-BZ-MT 175W Clear Acorn Post Top Light Fixture with Metal Halide Mogul Base Multi-Tap - Bronze 1,580st Pay \$87.78m Brand Power Soun Rinish Type About this item tale ind 246 (1) 50 Wi Hubbell Lighting Outdoor 1 Light 250 Walt HID Outdoor Perimeter Wall Light - Bulb Included - main \$381.97 Free Shipping/ in 5 to 5 humania data - Trimuna in 2000 - 1 + Eliteré lo Polyect

NE Gateway Guardhouse

LIGHT FIXTURE SCHEDULE								
TYPE	DESCRIPTION	BASIS OF DESIGN	LIGHT SOURCE	INITIAL LUMENS	COLOR TEMPERATURE	WATTAGE	VOLTAGE	
4D	4" LED RECESSED DOWNLIGHT WITH IC HOUSING	LIGHTOLIER LYTECASTER LAR A E 1 VA LAR 08 80 40 VA LAR D D	LED	650 im	4000 K	7 VA	120 V	
6D	6" LED RECESSED DOWNLIGHT	LIGHTOLIER EASYLITE 6 R N Z8RDL 15 W O CD WLV U	LED	1500 im	4000 K	15 VA	120 V	
6DE	6" LED RECESSED DOWNLIGHT WITH EMERGENCY	LIGHTOLIER EASYLITE 6 R N EM ZØRDL 15 W O CD WLV U	LED	1500 im	4000 K	15 VA	120 V	
WS2	LED WALL SCONCE - LANTERN TYPE	EVERGREEN LIGHTING FLORENCE ARM MOUNT FLO2220LS DARK SKY	LED	2000 im	4000 K	20 VA	120 V	

LIGHTING

4D (7watts)	x4 = 32W vs. Alternate (60w) = 240w
6D/E (15watts)	x4 = 60W vs. Alternate (75w) = 300w
WS2 (20watts	x4 = 80W vs. Alternate (100w) = 400w
Total (172watts) vs	Alternate (940 watts) = 81% reduction

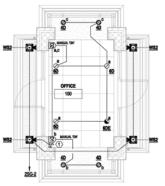
HVAC

Ductless Minisplit 12.6 EER (0.95kW/ton x 6 ton = 5.7kW) vs Window Unit 10.1 EER (1.19kW/ton x 6 ton = 7.14kW) Total 20.1% reduction



DUCTLESS MINISPLIT SCHEDULE

MANUFACTURER	LG
JNIT TYPE	MINISPLIT
	HEAT PUMP
CONDENSING UNIT	HP-1
CONDENSING UNIT MODEL	LUU127HV
VR HANDLER MARK	AC-1
NR HANDLER MODEL	LCN128HV4
VR HANDLER UNIT TYPE	CEILING CASSETTE
DESIGN CONDITIONS	
SUMMER OUTDOOR TEMP DB/WB (DEG F)	96/80
SUMMER INDOOR DB/WB (DEG F)	75/63
MINTER OUTDOOR TEMP (DEG F)	30
MINTER INDOOR (DEG F)	70
TOTAL AIR (CFM)	335
TOTAL COOLING CAPACITY (BTUH)	11,100
BEER	19.4
ER	12.6
VIR ENTERING COOLING COIL DB/WB (DEG F)	75/63
TOTAL HEATING CAPACITY (BTUH)	14,000
ISPF	10.4
SYSTEM ELECTRICAL CHARACTERISTICS	
/OLTS-PHASE	208-1
SYSTEM AMPACITY (MCA)	12.3
SYSTEM MOCP	15
VOTES:	
I) DROUDE 24-24 CARPETTE ODILLELO DT OCH	140



(1) PROVIDE 24x24 CASSETTE GRILLE LG PT-QCHW0 (2) PROVIDE WALL MOUNTED CONTROLLER LG PREMTC00U





IES ROAD REPORT PHOTOMETRIC FILENAME : COZ2220LS-TBK-A-41K.IES

DESCRIPTIVE INFORMATION (From Photometric File)

- IESNA:LM-63-2002 [TEST].L6318405 [TEST].L6318405 [TEST].L6318405 [TEST].L6318405 [TEST].L6318405 [TEST].L6318405 [ILMICAT.C0222015-TRE-K-41K [ILMINUFAC].EVERGREEN LIGHTING [ILMICAT.C0222015-TRE-K-41K [ILMINUMREF].C022UMELLED DARKSKY ARM MOUNT [ILMINUMREF].C022UMELLED DARKSKY ARM MOUNT [MORE].L58 WITH OPTICS-DARK SKY [BALLAST].MPUT.120277VAC, 50/80Hz. OUTPUT: 700MA/27V [LAMPCAT].4100K [OTHER].INDICATING THE CANDELA VALUES ARE ABSOLUTE AND [MORE].ENOLID.NOT BE FACTORED FOR DIFFERENT LAMP RATINGS. LINPUT] 120VAC, 20W _TEST PROCEDURE].IESNA:LM-79-08

CHARACTERISTICS

IES Classification
Longitudinal Classification
Lumens Per Lamp
Total Lamp Lumens
Luminaire Lumens
Downward Total Efficiency
Total Luminaire Efficiency
Luminaire Efficacy Rating (LER)
Total Luminaire Watts
Ballast Factor
Upward Waste Light Ratio
Maximum Candela
Maximum Candela Angle
Maximum Candela (<90 Degrees Vertical)
Maximum Candela Angle (<90 Degrees Vertical)
Maximum Candela At 90 Degrees Vertical
Maximum Candela from 80 to <90 Degrees Vertical
Cutoff Classification (deprecated)

Type III Medium 1736 (1 lamp) 1736 89 % 89 % 77 20 1.00 0.00

IES ROAD REPORT PHOTOMETRIC FILENAME : COZ2220LS-TBK-A-41K.IES

LUMINAIRE CLASSIFICATION SYSTEM (LCS)

1736 (1 lamp)				
1736		Lumens	% Lamp	% Luminaire
1539	FL - Front-Low (0-30)	115.0	6.6	7.5
89 %	FM - Front-Medium (30-60)	552.9	31.8	35.9
89 %	FH - Front-High (60-80)	344.9	19.9	22.4
77	FVH - Front-Very High (80-90)	24.7	1.4	1.6
20	BL - Back-Low (0-30)	83.4	4.8	5.4
1.00	BM - Back-Medium (30-60)	263.3	15.2	17.1
0.00	BH - Back-High (60-80)	138.0	8.0	9.0
843.14	BVH - Back-Very High (80-90)	17.1	1.0	1.1
75H 67.5V	UL - Uplight-Low (90-100)	0.0	0.0	0.0
843.14 75H 67.5V	UH - Uplight-High (100-180)	0.0	0.0	0.0
0 (0.0% Lamp Lumens) 115.601 (6.7% Lamp Lumens)	Total	1539.3	88.7	100.0
Full Cutoff	BUG Rating	B1-U0-G1		

CREDIT 8.7 PROTECT AIR QUALITY DURING LANDSCAPE MAINTENANCE

OPTION 1: SCHEDULED MAINTENANCE

Goal: 2 points

Narrative

Intent: protect air quality and reduce pollution by minimizing the use of powered landscape maintenance equipment and exposes site users to localized air pollutants and generates green house gases.

Here at the University of Florida, our maintenance staff conduct weekly scheduled ground maintenance on the project site. Since this area is considered high visibility, Grounds staff conduct maintenance early in the morning as during this time will likely have the lowest amount of site users. It is only during this time when powered equipment is being used.

Additionally, in effort to further meet the intent of this credit and to optimize user experience, the University of Florida maintenance team is budgeting for electric powered equipment. Currently UF owns two fully electric zero turn mowers and these mowers are used in the historic district, including this site.

Total site users: 120 Peak time of site use: 10am - 3pm

SITES v2[®] Emissions Reduction Worksheet

C8.7: PROTECT AIR QUALITY DURING LANDSCAPE MAINTENANCE

PROJECT NAME	PROJECT ID#
Northeast Gateway	13740

INSTRUCTIONS:

1. Fill out this sheet for all powered equipment used for landscape maintenance on site. For each piece of equipment, choose equipment type, enter occurrences per year and hours per occurrence.

BASELINE MAINTENANCE EQUIPMENT							
Equipment Type	Occ/yr	Hrs/Occ	Hrs/yr	HC+Nox (g/hr)	Annual HC+Nox	CO2 (g/hr)	Annual CO2
4 Stroke 60"-72" Riding Mower	46	3	138.00	11	1,518	9,939	1,371,542
4 Stroke 60"-72" Riding Mower	46	3	138.00	11	1,518	9,939	1,371,542
2 Stroke Line Trimmer/Edger	46	3	138.00	60	8,280	2,885	398,130
2 Stroke Line Trimmer/Edger	46	3	138.00	60	8,280	2,885	398,130
2 Stroke Line Trimmer/Edger	46	3	138.00	60	8,280	2,885	398,130
2 Stroke Line Trimmer/Edger	46	3	138.00	60	8,280	2,885	398,130
2 Stroke Line Trimmer/Edger	46	3	138.00	60	8,280	2,885	398,130
2 Stroke Backpack Blower	46	3	138.00	50	6,900	2,981	411,311
		Totals	1104	372	51,336	37,283	5,145,045

PROPOSED MAINTENANCE EQUIPMENT							
Equipment Type	Occ/yr	Hrs/Occ	Hrs/yr	HC+Nox (g/hr)	Annual HC+Nox	CO2 (g/hr)	Annual CO2
Electric mower				0		0	
Electric mower				0		0	
Electric line trimmer or edger				0		0	
Electric line trimmer or edger				0		0	
Electric line trimmer or edger				0		0	
Electric line trimmer or edger				0		0	
Electric line trimmer or edger				0		0	
Electric backpack blower				0		0	
		Totals	0	0	0	0	0
	PER	CENT RED	UCTIONS	100%	100%	100%	1 00 %

SECTION 9: EDUCATION + PERFORMANCE MONITORING

Credit	Титье	Points
Education C9.2	Develop and communicate a case study	3 points

CREDIT 9.2 DEVELOP AND COMMUNICATE A CASE STUDY

Completed case study

Goal: 3 points

Northeast Gateway



Location: Gainesville, FL Size: 2.25-acre (97,907 SF) Client: University of Florida Project ID: 13742 Project Type: Educational/Institutional Redevelopment

Project Summary

The Northeast Gateway is one of the thirteen Priority Projects within the University of Florida's Landscape Master Plan, and one of the four projects identified in the campus Strategic Development Plan as civis spaces that would significantly enhance the campus by defining campus portals and creating places for large gatherings. This redevelopment project in the historical eastern portion of campus at 2nd Avenue connects to the Innovation District of downtown Gainesville. Northeast Gateway serves to expand the impact of the gateway, announcing the campus, welcoming the casual visitor, and orienting guests to the parking facilities beyond. The result is a positive first impression of the campus generated by quality materials, a well-maintained and clarified landscape, and the introduction to the pedestrian-centric campus core. The redevelopment of UF's Northeast Gateway aligns with the SITES Guiding Principles.

Project Details/Site Context

The Northeast Gateway site is 97,907 square foot, located in the eastern part of the University of Florida's campus. Gainesville, Florida is part of the temperate forest biome, giving it a humid subtropical climate. Due to its environment, there were many opportunities to protect and enhance the ecosystem in the Northeast Gateway during the pre-design phase, including, but not limited to:

- Reducing stormwater pollution
- Conserving and increasing native species
- Minimizing pesticides and fertilizer use

The Northeast Gateway was a previously developed site filled with concrete walkways and a road for connectivity to campus facilities. This location is an area of high foot and vehicular traffic. Its unique location allowed for opportunities to maximize transportation options, increase collection of recyclables, and enhance the surrounding historic buildings. However, there were constraints such as having to develop around heritage trees and operating next to busy roads with high traffic volume. With all the considered conditions, the University of Florida allocated \$3,396,000 for the redevelopment of the Northeast Gateway.



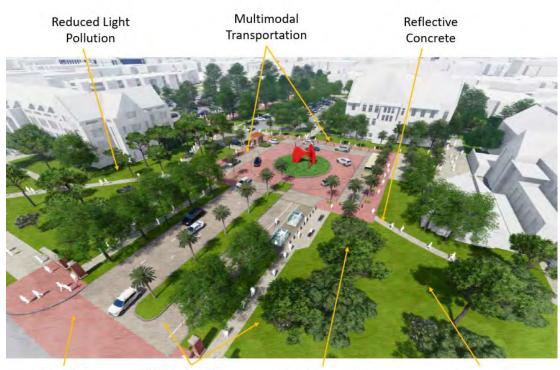
Project Team

Name	Representing	Expertise	Role
Melanie Heflin	UF PDC	Construction, Maintenance	Project Manager
Cydney McGlothlin	UF PDC	Architecture	University Architect
Linda Dixon	UF PDC	Planning	Director of Planning
Dustin Stephany	UF PDC	Sustainability	Sustainability Coordinator
Donna Bloomfield	UF Facilities	Grounds, Maintenance	Grounds Superintendent
Tom Schlik	UF Facilities	Facilities, Maintenance	Ass't Director, Facilities Services
Scott Fox	UF TAPS	Transp. & Parking	Transp. & Parking
Wade Maclaren	UF Facilities	Physical Plant, Maintenance	Ass't Director, Physical Plant
Frank Bellomo	GAI	Landscape Arch.	Landscape Architect
Donald Wishart	GAI	Landscape Arch.	Landscape Architect
Andrea Penuela	GAI	Landscape Arch.	Landscape Designer
Ian Molgaard	GAI	Landscape Arch.	Landscape Designer
Chris Jones	IBI	Landscape Arch.	Landscape Architect
Jason O'Brian	Walker Architects	Architecture, Design	Architect & Project Manager
Jaime Igua	VHB	Civil Engineering	Civil Engineer
Andrew Mitchell	Mitchell Gulledge	MEP Engineering	MEP
Peter Rizov	Mitchell Gulledge	Electrical Eng.	Electrical Engineer
Leonardo Valencia	VHB	Civil Engineering	Civil Engineer
Shawn Steers	VHB	Civil Engineering	Civil Engineer
Nat Grier	VHB	Civil Engineering	Civil Engineer

Rob Hoogevenn	Certified Irrigation Designs Inc.	Irrigation	Irrigation Designer
Elizabth McAlister	UF Facilities	Facilities, Maintenance	Facilities Services
Elisabeth Manley	Manley Design	Landscape Arch.	Construction Oversight
Jennifer Lyons	СРРІ	Construction Management	Construction Manager
Charles Garrett	СРРІ	Construction Management	Superintendent

Challenges & Solutions

Challenges	Solutions
Learning curve of new certification program.	Frequent and transparent communication.
Ensuring sustainability items are timely met.	Communicating goals and exercising time management.
Multiple forms to track progress (Microsoft Teams, BIM360, individual checklists)	Updating team with biweekly meetings of past and current action items.
Subcontractors not fully understanding scope of work.	Sitting down with subcontractors and fully communicating deliverables and expectations, sharing SITES Reference Guide.
Vendors not having information on website (ie. sustainability practices/goals, materials lists, extraction location).	Calling or emailing vendors to obtain specific information.
The size of the site created constraints in having full VSPZs around heritage trees.	Creating our own protective barriers around the heritage trees so they would not be disrupted during construction. The team also located the construction laydown site offsite to an adjacent vacant lot so it was not on tree roots.
Staying motivated throughout the certification process.	Reminding the team of the sustainability achievements & how the site will serve as an educational tool for users and visitors.



Sustainable Features

Recycled Brick <30% Regionally Sourced Materials Florida Friendly Vegetation Reclaimed Water Use

Environmental, Social and Economic Performance Benefits

Environmental	Social	Economic
 100% Reclaimed Water 456,660 gallons of potential water savings annually 100% vegetation trimmings 	 Unobstructed vegetation views from >50% of common spaces 100% tobacco smoke eliminated 	 \$45,090 saved by incorporating reused materials \$2,740 potential annual water cost savings

Lessons Learned

There was an initial learning curve to the SITES certification process. Team members had to be educated on the program and the benefits of going through it. Processes proved to be more intensive and challenging compared to a typical construction project. Team members had to be versatile and easy to adapt to the new processes that come with SITES. This was able to be achieved through constant communication. Transparent communication within the team was key to establishing action items and meeting timely goals. We learned as a team that it is important to have one main form of communication to track and meet these goals.

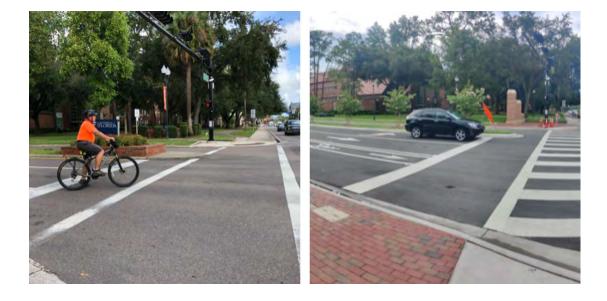
Maintenance and Monitoring

The Operation and Maintenance Plan has been developed through collaboration with multiple entities throughout the University of Florida. Maintenance operations of Northeast Gateway are mainly facilitated by the University's Grounds Department which intends to further the LMP goals. The O+M Plan includes best management practices to further sustainable initiatives. It includes a section on how the practices will be tracked and what the 10-year desired outcome is. This ensures that the Northeast Gateway promotes long-term sustainability through best management practices.

SECTION 9: EDUCATION + PERFORMANCE MONITORING

Photos







Documentation

The case study can be found at the locations below.

• UF GREEN BUILDING CASE STUDIES - https://facilities.ufl.edu/sustainability/certified-sustainable-buildings/

SECTION 10: INNOVATION OR EXEMPLARY PERFORMANCE

CREDIT	Тітіе	POINTS
Innovation C10.1	Innovation or exemplary performance (bonus points)	9 points

CREDIT 10.1 INNOVATION OR EXEMPLARY PERFORMANCE

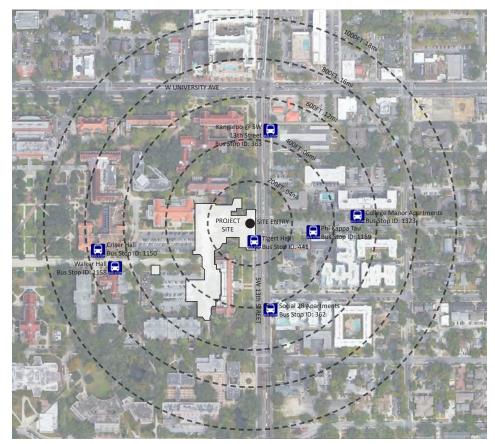
Narrative

Goal: 9 points

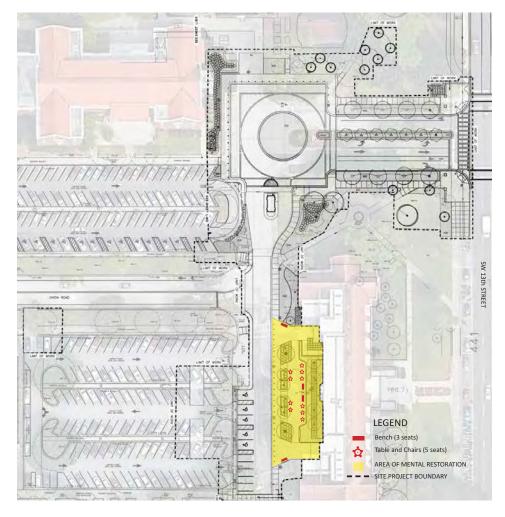
The Newell Gateway project achieves significant measurable performance on the following 3 credits: C1.7 Connect to multi-modal transit networks, C6.4 Support mental restoration, and C6.6 Support social connection.

Newell Gateway also exhibits innovation outside of the SITES v2 Rating System through Innovation through Increased Security as well as Innovation through Bollard Installation.

C1.7 Connect to multi-modal transit networks

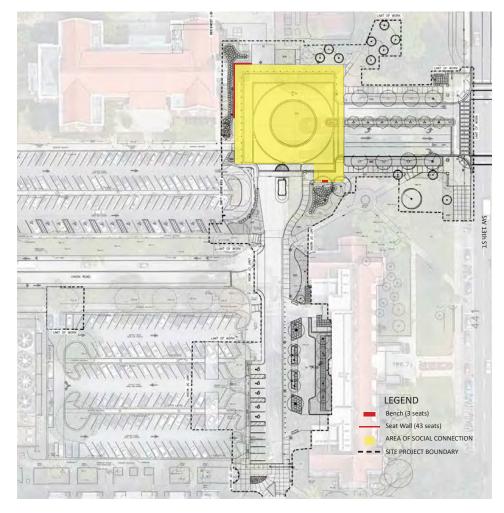


Credit C1.7 achieves significant performance by the high quantity of accessible transit terminals within a very close proximity to the project entrance. According to C1.7 option 2, at least one project entrance is within 0.25-mile walking distance of bus stop. Northeast Gateway exceeds this quantity by having 7 bus stops within 0.16-mile.



C6.4 Support mental restoration

Credit C6.4 achieves significant performance by providing more seating than the 10% minimum requirements. With a total of 120 site users and 62 seats available, the total amount of seats provided is 51.6%.



C6.6 Support social connection

Credit C6.6 achieves significant performance by providing more seating than the 10% minimum requirements. With a total of 120 site users and 46 seats available, the total amount of seats provided is 38.3%.

Innovation through Future Proofing

Intent

Build the site resiliency through collection of data and mesh network connectivity. This collected data will be assessed real-world insight on how to build value, ecological sustainability and safety.

Requirements

Project must incorporate the 7-pin technology on installed light fixtures.

Narrative

The University intends to future-proof itself through the phased adoption of IoT lighting technology throughout campus. The benefits of IoT technology is that wi-fi is extended beyond buildings and all throughout main campus as well as this gateway. The 7-pin connector allows the university to adapt to economically meet future needs. For example, the project now has the ability to inform the campus operators the status of individual light fixture performance and functionality. If a fixture has a burned out bulb, the technology will automatically inform operations staff of which fixture is out through smart communications instead of a random work order. Through this technology the University is able to receive innovative datasets such as amount of user traffic flow from different modes of travel such as walking, biking, e-scooters, etc. This data collection will provide a means for prioritizing site upgrades and increasing facility value through real-world information.

Innovation through awareness

Intent

To educated the public on the SITES initiative and bring awareness to how the project impacts the local community.

Requirements

Present project to the public and build awareness of the SITES initiative.

Narrative

The gateway project is being presented at the Florida Recreation and Parks Association (Out of This World) annual confernece! Here (on page 24) UF and GAI presenters will discuss what is the Sustainable SITES initiative, how it works and why go through SITES certification. The team will present in front of various park and recreation professionals and discuss their overall as well as share tips and tricks for going through the SITES process. This presentation will build exposure to what the university is doing to build a more sustainable campus and how SITES is as tool to help us get there!



DUCATION SESSIONS

management openly and effectively to unlock you and your team's potential!

3:00 PM-5:00 PM | 0.2 CEUs SMALL TOWN. BIG IDEAS Amanda Salazar

Director, Wildwood Parks and Recreation Working for a small city doesn't mean you have to think small. Join us in this exciting session to brainstorm with other professionals who work in smaller populated areas, or work with smaller budgets, to find creative ways to make a big impact for your communities!

3:00 PM-4:30 PM | 0.1 CEUs **STRATEGIES FOR FLORIDA YOUTH** SPORTS CONFERENCE PANEL

Jack Kardys President, J Kardys Strategies,LLC While the benefits for youth who engage in sports and regular physical activity are clear—improved physical health, confidence, self-esteem, life and social skills, teamwork, and leadership -- the state of affairs in our nation's youth sports programs is far from encouraging with only 20% of adolescents meeting prescribed daily physical activity guidelines and 54% playing a sport. According to recent RAND and Pew studies, these numbers are distorted by disparities in participation rates for girls, racial and ethnic minorities, youth from households of low socioeconomic status, youth living in rural areas, and youth with disabilities who are disproportionally affected by barriers of cost, access, and time. The National Youth Sports Strategy (NYSS), developed by the U.S. Department of Health and Human Services (HHS), focuses on strategies that can facilitate improved participation rates despite these barriers.

This panel will explore the role of park and Inis panel will explore the role of park and recreation professionals in developing an implementation plan built upon the pillars of the NYSS by increasing awareness of the benefits of youth sports participation; promoting partnership strategies that increase participation for all; developing evaluation methods and metrics to ensure successful implementation plans; and identifying funding models to support youth sports and physical activity.

3:00 PM-4:00 PM | 0.1 CEUs

SUSTAINABILITY IN DESIGN: AN INTRO TO THE USGBC SITES PROGRAM

Frank Bellomo, PLA, ASLA Senior Director of Landscape Architecture, GAI Consultants, Inc.

Ian Molgaard, LEED Green Associate Senior Landscape Designer, GAI Consultants,

Inc

Dustin Stephany, LEED AP, WELL AP, GPP, CEM

Sustainable Building Coordinator, University of Florida Department of Planning, Design

and Construction

Most professionals are familiar with the US Green Building Council (USGBC) LEED Certification program for buildings, but few are aware of USGBC's Sustainable Sites Initiative (SITES) program, a set of guidelines that seeks to define sustainable sites and measure performance with a goal of elevating the value of landscapes. The design of park projects, whether large or small, urban or rural, active or resource-based, can be reimagined to protect and improve the natural environment from planning, construction and into operation for generations to come. This session will give an overview of the process and benefits of the SITES program and will show you valuable techniques to use in the planning and design of your project that can help you save time and increase the opportunity for a successful certification.

3:00 PM-5:00 PM | 0.2 CEUs USING EMOTIONAL INTELLIGENCE TO ENHANCE CUSTOMER SERVICE Alan Rosen, MPA, ICMA-CM, 5A Certified Coach

CEO, Local Government Solutions What is Emotional Intelligence (EQ) and how can it impact your relationships with customers and with coworkers? Our basic makeup consists of IQ, personality, and EQ. It is almost impossible to change your IQ

and personality, so how can you increase you EQ and what will that change mean for your organization? This interactive and informational session will enhance your interactions within and outside of your organization. Attendees will learn about their own and others' personalities through the 5 Archetypes assessment and learn how to leverage that information to enhance relationships. Participate in several "games" that can be used in your organization to facilitate staff training in the future. Participants should take the free 5 Archetypes Assessment before the session and bring their scores with them to get the most out of the two hours. Note: Participants in this session will need to take this assessment before attending the session: https://www.carevdavidson.com/5archetypes-assessment

4:15 PM-5:15 PM | 0.1 CEUs LET'S EMPHASIZE THE "LEADER" IN RECREATION LEADER Travis Parker, CPRP

Director of Parks and Recreation, City of Newberry Parks and Recreation Anna Schutzler

Programs Coordinator, City of Newberry This session will focus on key issues and opportunities that are specific to the recreation and parks field, and specifically, leaders. We will discuss the leadership skills needed to build a strong team, enhance collaboration with other departments, and build confidence.

4:15 PM-5:15 PM | 0.1 CEUs **MEANT TO MENTOR - A** DISCUSSION ON MANAGING VS LEADING

Christina Carmona, CPRP Recreation Facility Manager, Doral Parks and Recreation

This session will be an interactive discussion "manager" and a "leader". We will discuss tips to move you from manager to leader. Connecting with staff allows you to become a supervisor for all types of employees. Get resources and tips to learn how to mentor the supervisors who report to you.

4:15 PM-5:15 PM | 0.1 CEUs **READ IT!**

Becky Gunter, CPRP Director, Seminole Recreation Alex Koagel Program Coordinator, Seminole Recreation

We read it, so you don't well kind of. Join us as we discuss different leadership books and podcasts. We will ask the audience to share books/podcasts that you have read or listened to. Each person (including us) will give a brief 3-5 minute description of will give a brief 3-3 minute description of each book and then the room will rank it - would you read it, or will you pass? You will leave this session with knowledge from each of the books as well as a book list. If you are a reader we need you. This session is meant to be interactive. We are looking for a fellow professionals who are willing to share the leadership books or podcasts you would recommend. This session is meant to be interactive. We are looking for fellow professionals who are willing to share the leadership books or podcasts you would recommend.

4:15 PM-5:15 PM | 0.1 CEUs **RECOGNIZE, EMBRACE AND** PROGRAM...PICKLEBALL AND TENNIS GET YOUR GAME ON: Andi Mohl

Operations Manager, City of Palm Beach

Wendy Tatum Director of Tennis and Pickleball, City of Palm Beach Gardens

Over 26 million people played tennis or pickleball in 2022. By programming your facilities, you can reach an unlimited audience through your community and surroundings areas using innovative, social and adaptive programming.

4:15 PM-5:15 PM | 0.1 CEUs **REFRESH YOUR AQUATIC CENTER-**BEST AOUATIC PRACTICE Devon Poulos, CPRP, AFO, LGIT Aquatics Manager, North Port Parks & Recreation Patricia Sturgess, CPRP, AFO, WSIT

