



Keep Winter Park Beautiful & Sustainable Advisory Board Regular Meeting

Agenda

June 18, 2024 @ 11:45 AM

City Hall Commission Chambers
401 S. Park Avenue

welcome

Agendas and all backup material supporting each agenda item are accessible via the city's website at cityofwinterpark.org/meetings/ and include virtual meeting instructions.

assistance & appeals

Persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office ([407-599-3277](tel:407-599-3277)) at least 48 hours in advance of the meeting.

"If a person decides to appeal any decision made by the Board with respect to any matter considered at this hearing, a record of the proceedings is needed to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based." (F.S. 286.0105).

please note

Times are projected and subject to change.

1. Call to Order**2. Consent Agenda**

- a. Approve the minutes of May 21, 2024 1 minute

3. Public Comments (for items not on the agenda): Three minutes allowed for each speaker**4. Action Items**

- a. OCPS Green School Program Funding 10 Minutes

5. Non-Action Items**6. Staff Updates**

- a. Natural Resources & Sustainability 35 Minutes

- Undergrounding Review
- Review Landscape Ordinance
- Invasive Trees in the Right of Way
- Green Schools Grant Deliverables
- Photo Contest & Fundraiser
- Zero Waste

- b. Past & Upcoming Events

- Lakes Event - 6/8 @ Lake Bell
- Paddleboard Cleanup - 6/15 @ Lake Maitland
- Board Appreciation - 6/20 5:30pm @ WP Pines (WP 18)
- Introduction to Vermicomposting Class - 6/27 6pm @ WP Library
- Filth of July Litter Cleanup - 7/6 9am @ Public Safety Building, 500 N Virginia Ave

7. Board Comments

- a. Green Minutes 5 Minutes
- b. New Business/Announcements 5 Minutes

8. Upcoming Agenda Items

- a. Discussion of Upcoming Agenda Items 5 Minutes

9. Adjournment



Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item 2.a

item type

Consent Agenda

meeting date

June 18, 2024

prepared by**approved by****subject**

Approve the minutes of May 21, 2024

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

1. KWPBSAB-mins-2024-05-21 DRAFT SM



Keep Winter Park Beautiful & Sustainable Advisory Board Regular Meeting Minutes

May 21, 2024 at 11:45 AM

City Hall Commission Chambers
401 S. Park Avenue

Present

Stephen Pategas, Ben Ellis, John Page, Becky Distad

Absent

Kay Hudson

Staff Present

Director of Natural Resources & Sustainability Gloria Eby, Sustainability Manager Sara Miller, Sustainability Specialist Mia Brady, Integrated Resource Plan and Clean Energy Program Manager Lisa Vedder, Park Services Manager Josh Nye, Natural Resources and Sustainability Administrative Coordinator Victoria Tabor

1. Call to Order

Ben Ellis called the meeting to order at 11:47 a.m.

2. Consent Agenda

- a. Approve the minutes of April 16, 2024 meeting

Mr. Pategas clarified that on page 2, the photo contest is not the fundraiser.

Motion made by Ms. Distad to approve the minutes with the clarification; seconded by Mr. Page. Motion carried unanimously with a 4-0 vote.

3. Public Comments (for items not on the agenda)

4. Action Items

- a. Photo Contest Fundraiser

Ms. Brady stated that the Board needs to vote on whether or not to add a fundraiser to the photo contest. Mr. Pategas stated there was no need to add a fundraiser to the photo contest if funds are not needed. Ms. Eby stated that funds, if collected, would go to the general fund to help in the operation of Keep Winter Park Beautiful & Sustainable. Mr. Pategas reasoned that the process to create the fundraiser and sell it is far greater than the amount of funds that will be collected.

Motion made by Mr. Pategas to move the fundraiser aspect of the photo contest to the next meeting; seconded by Ms. Distad. Motion carried unanimously with a 4-0 vote.

5. Non-Action Items

- a. OCPS Sustainability Manager David Klawitter

Orange County Public Schools Sustainability Manager David Klawitter introduced a request for support in funding the Green School program. He explained the Green School program activities and gave examples of schools involved in the program. The board will vote at the next meeting.

6. Staff Updates

- a. Natural Resources & Sustainability
- Electric Vehicle charging rate update from Lisa Vedder
 - Tree Ordinance Update from Josh Nye
 - Earth Day debrief
 - Election sign recycling update
 - Family night debrief and Killarney Elementary needs
 - Center Street Project
 - Zero Waste
 - Photo Contest & Calendar Fundraiser

The Electric Department's Integrated Resource Plan and Clean Energy Program Manager, Lisa Vedder reviewed the electric vehicle charging rate. Currently, charging in the City is free. The data from the 2023 report revealed that action will need to be taken for overuse. Based on the analysis of overuse, a rate was determined. For use over 3 hours, a surcharge will be imposed, and a parking ticket will be issued. The initiative will go to the Commission next month and by October it could be enacted.

Park Services Manager, Josh Nye gave an update on the tree ordinance revision. A workshop will be done with P & Z at the end of June. After a vote from P & Z in early July, the ordinance revision will go to the Commission for approval. Mr. Nye advised the Board to discuss and submit any recommendations to either P & Z and/or the Commission. The main points of the revision are as follows:

- The Tree Board set a goal of 45% canopy coverage. Staff recommended reversing canopy loss rather than a fixed goal.
- Protected tree species require a removal permit beginning at 4 1/2 feet rather than 9 feet.

- New language in Florida Statute 163.045 allows occupied single family residential property owners to remove trees on their property without a permit if they have proper documentation.
- The City Commission has the final say on appeals to deny tree removal applications
- Sabal Palms are now protected. Staff and the Tree Board recommend creating a special class of trees to be protected that will include bald cypress and live oaks 30 inches and above. The current rate for tree removal permits is \$110 per diameter inch. The special class of tree rate will be tripled.
- The Tree Board voted to make mitigation and compensation for tree removal permits on commercial properties not count towards the minimum landscape package.

Mr. Pategas voiced his opinion on the new ordinance, stating that it does not appear to be sustainable nor ready for P & Z. Mr. Pategas as a landscape architect, offered to review the ordinance with Mr. Nye. Mr. Nye welcomed suggestions and recommendations from all Board members. Mr. Pategas recommended revision of the landscape ordinance and discussion on tying in solar panels and planting edibles with shade canopy.

Ms. Brady stated the Earth Day event was a success. It incorporated the Run With The Trees event, the Green School grant, electric lawn companies and was attended by at least 2000 people.

Ms. Miller updated the Board on the election sign recycling program advising storage of the signs is at capacity.

Ms. Brady reviewed working with 4Roots to encourage families to take advantage of their mobile food market.

Ms. Miller stated that the Center Street project was presented to the Commission. Wastepro has renewed their contract with the City. Natural Resources and Sustainability is working with CRA and Code Enforcement to keep the area clean with the dumpsters and slotted dumpsters for cardboard will be added to the Center Street project.

Ms. Brady updated the Board on the Zero Waste composting program which involves partnering with O'Town Compost to remove the food waste. Currently, there are 13 participating restaurants and 178,831 pounds of food waste.

Ms. Brady presented the flyer for the photo contest rules and explained the highlighted information regarding the fundraiser and the judging. The Board discussed the term manmade objects and decided that who will judge is not necessary to know to get the flyers completed.

b. Upcoming Events

Ms. Miller advised that thirty people attended the composting class and announced the upcoming events.

Introduction to Composting Class - 5/15 6pm @ WP Library

Lakes Event - 5/18 9am @ Lake Chelton

Lakes Event - 6/8 9am @ Lake Bell

Paddleboard cleanup - 6/15 9am @ Lake Maitland

Board Appreciation - 6/20 5:30pm @ WP 18

Lakes Event - 6/22 @ Lake Temple and Tuscany on 6/22

Introduction to Vermicomposting Class - 6/27 6pm @ WP Library

7. Board Comments

- a. Green Minutes
- b. New Business/Announcements

8. Upcoming Agenda Items

- a. Discussion of Upcoming Agenda Items

Mr. Pategas requested to add three items to the upcoming agenda items

- Update of the landscape ordinance should be pursued by the board in order to address sustainability.
- Finding that the City undergrounding is leaving excess soil and adding sod on top which causing the raising of grades.
- Thirdly, invasive trees were found to be growing in between the sidewalk and the curb.

Motion made by Mr. Pategas to add the landscape ordinance, undergrounding issue and invasive trees in right-of-way to the next agenda; seconded by Mr. Page. Motion carried unanimously with a 4-0 vote.

9. Adjournment

The meeting adjourned at 1:10 p.m.

Approved by the board on

/s/ Bahiyyah Layton Board Coordinator



Keep Winter Park
Beautiful &
Sustainable Advisory
Board

agenda item 4.a

item type

Action Items

meeting date

June 18, 2024

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

OCPS Green School Program Funding

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

None



Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item 6.a

item type

Staff Updates

meeting date

June 18, 2024

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Natural Resources & Sustainability

- Undergrounding Review
- Review Landscape Ordinance
- Invasive Trees in the Right of Way
- Green Schools Grant Deliverables
- Photo Contest & Fundraiser
- Zero Waste

motion | recommendation

background

alternatives | other considerations

fiscal impact

attachments

1. Landscape ordinance
2. Glenridge Middle School
3. Lakemont Elementary

4. Methodist School for Early Education
5. 2024 Green School Grant Videos
6. Fundraiser Pricing Draft FINAL

ORDINANCE NO. 2766-09

AN ORDINANCE OF THE CITY OF WINTER PARK, FLORIDA,
AMENDING CHAPTER 58 "LAND DEVELOPMENT CODE"
ARTICLE V, "ENVIRONMENTAL PROTECTION
REGULATIONS" DIVISION 8, "LANDSCAPE REGULATIONS"
SO AS TO ADOPT NEW LANDSCAPING REGULATIONS.
(ZTA: 2:09)

BE IT ENACTED BY THE PEOPLE OF THE CITY OF WINTER PARK:

SECTION 1. That Chapter 58 "Land Development Code", Article V "Environmental Protection Regulations" of the Code of Ordinances is hereby amended and modified by repealing Division 8, "Landscape Regulations", and adopting a new Division 8 "Landscape Regulations" to read as follows:

DIVISION 8. LANDSCAPE REGULATIONS

Sec. 58-340 Purpose and Intent

These regulations are enacted by the City for the purpose of the following:

- (1) Maintaining and protecting property values;
- (2) Providing an acceptable degree of transition between abutting uses;
- (3) Providing appropriate barriers and relief from traffic, noise, heat, glare, and the spread of dust and debris;
- (4) Conserving and extending the City's water supply and natural resources through the implementation of water-efficient landscape practices;
- (5) Enhancing the visual and aesthetic appearance of the community; and
- (6) Creating sustainable landscape areas of an adequate size to enable plant material to successfully mature.
- (7) Contributing to the city's reforestation plan

Sec. 58-341 Definitions

For the purposes of this Division, certain terms or words used herein shall be interpreted as follows:

Caliper shall mean a nursery standard measurement of a tree's trunk diameter as measured at a predetermined point of measurement. Trunk caliper for trees up to four (4) inches shall be measured six (6) inches above the soil line. Trees greater than four (4) inches in caliper shall be measured twelve (12) inches above the soil line.

DBH (Diameter at breast height) shall mean a standard measurement of a tree trunk diameter as measured at a predetermined point of measurement. Trunks of existing trees shall be measured at dbh, four and one half feet (4 ½) above the soil line. For multi-trunked trees the dbh shall mean the cumulative diameter of the two largest trunks divided by (2) two

Existing tree shall mean an existing healthy species of tree with a minimum dbh of one and one half inches (1 ½) which normally grows to a mature height of forty (40) feet or more and is not listed as a prohibited plant. Existing trees may be counted to meet some portions of this code.

Florida Friendly Landscaping shall mean a statewide program that encourages landscape design, installation, and maintenance practices that conserve water, reduce runoff of fertilizers and minimize the need for pesticides (<http://www.floridayards.org/>).

Hedge shall mean a planting of evergreen shrubs listed in Sec. 58-351 Approved Plant and Tree Materials which forms a compact, dense, living barrier which screens an area from view. The plants shall be in a minimum container size of seven (7) gallons at a minimum thirty (30) inch height at the time of planting and grow to at least 40 inches in height within one year after planting. Spacing of the hedge plants shall be no more than 42 inches apart.

High Water Use Zone shall be an area(s) of a property that receives the application of landscape irrigation by use of rotors, or sprays with application rates greater than 60 gallons per hour (gph).

Irrigation plan shall mean a scaled plan (no greater than 30 scale) showing protected trees, turf and high, moderate, and low water use zones separately outlined and illustrated with their separate zones of irrigation. (See Division 9. Irrigation Regulations).

Landscape Plan: shall mean a scaled plan (no greater than 30-scale) showing the whole property, plant materials, complementary hardscape elements such as fountains, sculpture, masonry, walls, tree wells and water use areas.

Landscaping: shall mean the use of plants, construction and grading to create a desired effect. Landscaping elements may consist of, but are not limited to, turf and other ground covers, shrubs, vines, hedges and trees.

Landscape architect shall mean a design professional registered in the state as defined by Florida Statutes Ch. 481 Part II Landscape Architecture.

Low Water Use Zone shall mean an area(s) of a property that receives the application of landscape irrigation by only rainfall or the use of micro-irrigation

Masonry wall shall mean a wall and footing constructed of masonry material meeting the requirements of the Florida Building Code and Land Development Code 58-82 (p) (8).

Ordinary high water level shall mean the level that a lake can be expected to reach during a "ordinary" wet season. Refer to Land Development Code Chapter 58-83 (d) (5) for lake elevations.

Open storage area shall mean an outdoor area used to store equipment, materials, or products.

Parkway shall mean the area in the public right-of way between the edge of pavement or curb and the sidewalk or public right-of-way line.

Prohibited plant species or invasive plant shall mean a naturalized tree or plant that disrupts naturally occurring native plant communities as determined by the State of Florida, Department of Agriculture and Consumer Services and the Florida Department of Environmental Protection as listed in Sec. 58-149 Prohibited Plant Species. The most up to date lists shall rule.

Rain Sensor shall mean a device connected to the automatic controller of an in-ground irrigation system that will override the irrigation cycle of the sprinkler system when adequate rainfall has occurred. Florida Statute 373.62 requires that "Any person who purchases and installs an automatic lawn sprinkler system after May 1, 1991, shall install, and must maintain and operate, a rain sensor device or switch that will override the irrigation cycle of the sprinkler system when adequate rainfall has occurred."

Service area shall mean an equipment area, loading area or dock, trash collection area, trash compaction area, truck parking area, recycling area, or other similar service function area.

Shade tree shall mean a species of tree, which normally grows to a mature height of forty (40) feet or more and is listed in Sec. 58-351 Approved Plant and Tree Materials. Each shade tree shall be a minimum of twelve (12) feet in height and a minimum of three (3) inch caliper at planting.

Understory tree shall mean a species of tree listed in Sec. 58-351 Approved Plant and Tree Materials. Each understory tree shall be a minimum of six (6) feet in height and a minimum of one (1) inch caliper at planting.

Vehicular use area shall mean any paved or unpaved ground surface area used for storage, display, temporary parking, and/or maneuvering of vehicles by employees or customers, either for compensation or to provide an accessory service to a commercial, industrial, or residential use, excluding single-family and duplex residences.

Vine shall mean a species of vine listed in Sec. 58-351 Approved Plant and Tree Materials. A planting of vines shall form a dense, evergreen living barrier to screen an area from view. The vines shall be in a minimum container size of three (3) gallons at a minimum 24 inch height at the time of planting and grow to at least 40 inches in height within one year after planting. Spacing of the vines shall be no more than 36 inches apart. Support shall be provided for the vines to grow upright.

Water use zones shall mean distinct portions of a property that shall be of a low, moderate, or high water use. These zones shall be planted with plant materials with similar or lower water use needs. If irrigation is provided, then each zone shall be irrigated with separate irrigation zones on separate programs. Refer to Sec. 58-350 Approved Plant and Tree Materials to determine the water needs of plants and to Division 9. Irrigation Regulations.

Sec. 58-342 General Criteria for All Properties

- (a) The use of appropriate Florida Friendly landscape design (<http://www.floridayards.org/>) is encouraged in order to reduce irrigation needs and to protect the waterfront. An irrigation system to be used during establishment and selectively during times of drought is still required for landscape plantings that feature Florida Friendly design. The nine principles are:
 - (1) Right Plant, Right Place: Plants selected to suit a specific site will require minimal amounts of water, fertilizers, and pesticides.

- (2) Water Efficiently: Irrigate only when your lawn needs water. Efficient watering is the key to a healthy yard and conservation of limited resources.
- (3) Fertilize Appropriately: Less is often best. Over-use of fertilizers can be hazardous to your yard and the environment.
- (4) Mulch: Maintain two to three inches of mulch to help retain soil moisture, prevent erosion and suppress weeds.
- (5) Attract Wildlife: Plants in your yard that provide food, water, and shelter can conserve Florida's diverse wildlife.
- (6) Manage Yard Pests Responsibly: Unwise use of pesticides can harm people, pets, beneficial organisms and the environment.
- (7) Recycle: Grass clippings, leaves and yard trimmings composted and recycled on site provide nutrients to the soil and reduce waste disposal.
- (8) Reduce Storm water Runoff: Water running off your yard can carry pollutants, such as fertilizer, pesticides, soil, and debris that can harm water quality. Reduction of this runoff will help prevent pollution.
- (9) Protect the Waterfront: Waterfront property, whether on a river, stream or pond, is very fragile and should be carefully protected to maintain freshwater and marine ecosystems.
- (b) All protected trees shall be provided with tree protection areas and barriers as required by Division 6 Tree Removal and Protection Sec. 58-292.
- (c) Mulch created from cypress trees is prohibited.
- (d) The use of fertilizer with phosphorus shall conform to statutory requirements.
- (e) Water edge properties
 - (1) The use of any fertilizer is prohibited within twenty (20) feet of the ordinary high water level or a seawall.
 - (2) Grading, construction or the clearing of any vegetation other than prohibited plants is prohibited within ten (10) feet of the ordinary high water level or a seawall.
 - (3) Storm water retention is not allowed within ten (10) feet of the ordinary high water level or a seawall.
 - (4) Berms required to protect water bodies must be maintained as permitted.
 - (5) Natural wetland vegetation should be enhanced with additional plantings. The FDEP's book, *Florida Wetland Plants: An Identification Manual*, is an excellent reference source for information on plant materials. Copies of the identification manual can be purchased by contacting the Orange County extension office at 407-836-7570 or UF/IFAS Publications at 1-800-226-1764.
 - (6) Trees shall be required along shorelines as noted in Sec. 58-344.
- (f) Per State of Florida Statutes, call Sunshine State One (811, <http://www.callsunshine.com>) 72 hours prior to digging to have all utilities located.
- (g) All automatic in-ground irrigation systems shall have a functioning rain sensor as required by Florida Statute.
- (h) No person shall wash, sweep, or blow off fertilizers, vegetative material, and/or vegetative debris into storm water drains, ditches, conveyances, water bodies, wetlands, or sidewalks or roadways.
- (i) Deviations due to topography, building layout, or other special circumstances may be granted by the Building Official on a case by case basis subject to meeting the intent of the landscape regulations.

Sec. 58-343 General Requirements for All Properties Involving New Construction, Renovation, or Expansion

- (a) As a condition for the issuance of a building permit all properties undergoing initial development or re-development involving construction, renovation, or expansion of the improvements on any property shall be required to conform to the landscape requirements in this Division prior to the issuance of a Certificate of Occupancy if the value of the work is more than fifty (50) percent of the value of the improvements on the property as set forth in the most recent records of the Orange County Property Appraiser. One and two family dwelling interior alterations shall not require compliance with Sections 58-343 through 58-349. Existing commercial or multi-family properties undergoing redevelopment and containing non-conforming landscaped buffers and islands along street fronts and within the interior of parking lots may continue to utilize these same landscaped areas in lieu of the requirements in Section 58-345 (e)(1) to prevent having a parking space deficit for the property. Where feasible the requirements of Section 58-345(e)(1) will be met. Commercial and multi-family properties must meet these requirements as part of any expansion.
- (b) Any tree installed to meet a requirement of this division shall be considered a protected tree as noted in Division 6 Tree Removal and Protection.
- (c) Use of Understory and Shade Trees
 - (1) In some situations as noted within this Division understory trees may be substituted two for one (2:1) for required shade trees.
 - (2) Understory trees shall be used instead of shade trees under and within fifteen (15) feet of overhead power lines.
 - (3) When there are more than five (5) shade trees required on a site, a minimum of two (2) different tree species are required. When more than ten (10) shade trees are required on a site, a minimum of three (3) different tree species are required.
 - (4) Shade and understory tree trunks measured from the trunk center line shall be a minimum distance of four (4) feet from curbs, walks, pavement, walls, and underground utilities with the exclusion of City owned public rights-of-way.
 - (5) Shade trees shall be spaced no closer than 25 feet.
- (d) Prohibited plant species shall not count as an existing tree or plant to meet any part of this code.
- (e) All prohibited plant species shall be removed from each site prior to the beginning of construction.
- (f) All landscape material shall be in conformance with the Standards for "Florida No. 1" or better as established in the latest Florida Grades and Standards Manual for Nursery Plants by State of Florida, Department of Agriculture and Consumer Services, Division of Plant Industries (<http://www.doacs.state.fl.us/pi/pubs.html>).
- (g) All ground mounted utilities except electrical transformers shall be painted green or flat black unless a different color is required by City or State of Florida code.
- (h) Air conditioning units, pool equipment, electrical equipment, utility boxes, generators, above ground fuel tanks, and stored trash containers on private property shall not be easily visible from a public right-of-way. They shall be screened by structures, solid fences, trellises, and/or landscaping. Exceptions may be made for electrical equipment when determined appropriate by the City. Also refer to Sec. 58-82 (k) (2) b (Accessory structures).
- (i) Deviations due to topography, building layout, or other special circumstances may be granted on a case by case basis subject to meeting the intent of the landscape regulations.

- (j) For requirements for stormwater see Chapter 58, Article V, Division 1, Stormwater Management.
- (k) Only bamboo species that grow to less than 20' in height shall be permitted beneath or within 5' of overhead electric utility lines.

Sec. 58-344 One and Two Family Dwellings

- (a) Forty (40) percent of pervious areas shall be low water use zone(s) on separately programmed irrigation zone(s). See Division 9 Irrigation Regulations for specific requirements.
- (b) A minimum of one shade tree shall be required for each quarter acre (10,890 square feet) of property. For lots less than a quarter acre in size, one shade tree is required, however, in situations where conditions exist which make it unfeasible to comply with the shade tree planting requirements, the City may make an exception and allow two understory trees in replacement for the one shade tree. Healthy existing shade trees shall count toward required shade trees.
- (c) Shade trees shall be required in the parkway at the rate of one (1) per 33 feet of lot width at the front lot line excluding paved areas and shall be placed in the parkway or adjacent private property with a minimum of one shade tree required per lot. Healthy existing shade trees count towards required shade trees. If overhead power lines or shade trees are present within twenty-five (25) feet, then understory trees shall be substituted at a 2:1 ratio and may be required to be placed on the lot. If the parkway width is less than eight (8) feet or contains a swale required by the city the shade tree shall be placed on the lot or substituted with two (2) understory trees in the parkway. Requiring the tree placement on private property, omission of a tree due to existing tree spacing or other modifications may be made at the direction of the City.
- (d) Shade trees shall be required at the rate of one (1) per 33 feet of shoreline within twenty-five (25) feet of the shoreline with a minimum of one shade tree per lot. These newly planted shade trees may be clustered and healthy existing shade trees within twenty-five (25) feet of the shoreline count towards required shade trees. Only one existing tree within each 33 foot length can be used for credit. Species of shade trees which are well acclimated to the aquatic environment shall be given preference. Allowing the omission of a tree due to existing tree spacing or other modifications to this requirement may be made at the direction of the City.

Sec. 58-345 Non-residential and Multi-family Properties

- (a) Landscape plans for all non-residential and multi-family properties.
Each set of plans filed with an application for a building permit for all nonresidential and multi-family development projects required to conform to this code shall include a landscape plan complying with this division. This landscape plan shall be submitted to the building department and shall be approved by the parks director of the city or their designee, prior to the issuance of a building permit. Some projects including but not limited to conditional use applications undergoing review by the Planning and Zoning Commission or City Commission will require submission of a landscape plan in advance of the application for the project's building permit.
- (1) Landscape plans shall be prepared, signed, and sealed by a landscape architect currently licensed by the State of Florida.
- (2) The landscape plan shall include:
 - (a) Protected trees indicated by type and size and the proposed preservation or removal of these trees pursuant to the city's tree ordinance.

- (b) Plant material to be used listed with botanical names according to genus, species, variety, common name, size, spacing, and quantity.
 - (c) Hardscape elements such as walls, patios, walks, and vehicle use areas and location of utility equipment.
 - (d) Turf and high, moderate, and low water use zones.
 - (e) A chart showing all calculations and required/supplied plantings.
- (b) General
- (1) Seventy (70) percent of pervious areas shall be low water use zone(s) with the allowance for watering container plantings anytime with low volume irrigation on a separate irrigation zone on a separate controller program. Low water use zones shall be on a separate irrigation zone(s). See Division 9, Irrigation Regulations for specific requirements.
 - (2) To decrease watering needs, high water use zones less than 300 square feet or within an area with any one dimension less than ten (10) feet shall be prohibited.
 - (3) Chain link fences are prohibited except in industrial and recreational areas where their use is limited to non-street frontage areas of a building and not adjacent to residential. See section 58-82(p) of the Zoning Article.
- (c) Buffer between One and Two Family Dwellings and Public Rights-of-Way
- (1) A buffer of shade and understory trees shall be required where vehicle use areas do not adjoin one and two family dwellings and public rights-of-way. Two shade trees and three understory trees shall be required for each one-hundred (100) linear feet of landscape area.
- (d) Building Facade Landscaping.
- (1) When building facades are visible from any public rights-of-way, one-hundred (100) percent of the total length of the visible façade(s), exclusive of those areas required for direct access to the building or special architectural features not intended to be screened by landscaping shall have a landscape area.
 - (2) The landscape area shall contain plants and be a minimum width of six (6) feet located within a twenty (20) foot distance of the façade(s) or if adjacent to the building façade it shall be at least eight (8) feet in width.
 - (3) At least fifty (50) percent of the plants shall be a minimum height of twelve (12) inches at the time of planting and achieve a minimum of two (2) feet in height.
 - (4) A minimum of five understory trees shall be required for each one-hundred (100) linear feet of the required landscape area.
 - (5) A minimum distance of twelve (12) feet between any required shade tree trunk center line and any exterior wall must be provided.
 - (6) Shade trees and landscaping within the public right-of-way shall be provided in areas where the street frontage building setback is 15 feet or less. The minimum planting area width for shade trees shall be seven (7) feet. Understory trees may be substituted two for one (2:1) for required shade trees if the planting area width is less than seven (7) feet. The minimum planting area width for understory trees shall be four (4) feet.
- (e) Vehicle Use Area Landscaping.
- (1) The vehicle use area shall be landscaped and screened from view. A landscape area a minimum of eight (8) feet in width shall be required along public rights-of-way and shall consist of a hedge, one shade tree, and one understory tree for each 50 linear feet of the required landscaped area deducting paved areas. Other vehicle use area landscape areas shall be planted with ground cover or other appropriate landscape material. Reasonable breaks in landscaping in vehicular use areas shall be made to allow pedestrian access through parking areas to points of destination. Vehicle

parking spaces directly abutting the landscaped buffer along public rights-of-way may count two (2) feet of the eight (8) foot buffer toward meeting the required eighteen (18) foot parking space length and no additional bumper or curb stop shall be required in these spaces other than the curbing along the landscaped buffer.

- (2) All vehicle use areas that adjoin a residential property shall be effectively screened by a ten (10) foot wide buffer. This buffer shall contain a six-foot high masonry wall and footer immediately adjacent to the property line with grass, groundcover, or other appropriate landscape material. In addition, the buffer shall contain one shade tree and one understory tree for each sixty (60) linear feet of landscape area. Adjacent existing trees may require the substitution of understory trees at a 2:1 ratio and/or the use of wall bridge footers to minimize damage to root systems.
- (3) The vehicle use area shall contain interior landscape areas that account for a minimum of seven and one-half (7.5) percent of the vehicle use area. Each separate landscape island or area shall be a minimum of 216 square feet in size with a twelve (12) foot width (measured at backs of curbs) with an eighteen (18) foot depth and shall contain at least one shade tree in each island or area. All interior and perimeter landscaping shall be protected from vehicular encroachment by curbing and wheel stops. All vehicle use area base materials (lime rock, soil cement, etc.) shall not extend further than six inches from the back of curbs into the landscape areas.
- (4) Landscape islands shall be required so that there are no more than a maximum of ten (10) continuous parking spaces in a row unless a change in spacing allows preservation of healthy existing trees in the parking row. Landscape areas with one shade tree each shall be required at the end of each row of parking.
- (f) Special circumstances may exist in landscape areas located under power lines or close to existing trees that will necessitate the use of understory trees at a two for one (2:1) ratio. In those circumstances, the City may accept other landscape materials that are appropriate for these special circumstances.
- (g) Stormwater retention areas not screened from view from any public right-of-way by a building or wall shall be screened by a hedge maintained at a four (4) foot height installed in a landscape area a minimum of four (4) feet in width. In addition, a cypress tree of at least four (four) inch diameter shall be planted within the stormwater retention area for each fifty(50) linear feet of the stormwater retention area.
- (h) Intersection and right-of-way visibility. When an access way intersects a public right-of-way, landscaping may be used to define the intersection, provided, that all landscaping within the triangular areas described in subsections (f)(1) and (2) below shall provide unobstructed cross-visibility at a level between two and one-half (2.5) feet in height and eight (8) feet in height. Trees and foliage shall be periodically pruned and trimmed so that no limbs or foliage extend into the cross-visibility zone. Landscaping, except for grass and similar low ground cover, shall not be located closer than three (3) feet from the edge of any access way. The triangular areas referenced above shall satisfy the following dimensional requirements, except to the extent deemed unnecessary by the City engineer.
 - (1) The areas of property on both sides of an access way formed by the intersection of each side of the access way and the public right-of-way line with two (2) sides of

each triangle being ten (10) feet in length from the point of intersection and the third side being a line connecting the ends of the other sides; and

(2) The area of property located at a corner formed by the intersection of two (2) or more public rights-of-way with two (2) sides of the triangular area being measured thirty (30) feet in length along the abutting edges of pavement, from their point of intersection, and the third being a line connecting the ends of the other two (2) lines.

(3) Landscaping shall not block roadway signage.

- (i) Service areas. Service areas visible from a public right-of-way or abutting property shall be screened by a solid wall and hedge maintained at a six (6) foot height in a minimum four (4) foot wide planting area clear of walls or their footers. A vine maintained at a six (6) foot height in a minimum two (2) foot wide planting area clear of walls or their footers may be substituted for a hedge. The wall shall be a minimum of six (6) feet in height using architectural design, materials, and colors that are consistent with those of the primary structure.
- (j) Solid waste storage areas. All solid waste refuse facilities shall be screened on three (3) sides by a solid wall with opaque gates and a hedge maintained at a six (6) foot height in a minimum four (4) foot wide planting area clear of wall footers. A vine maintained at a six (6) foot height in a minimum two (2) foot wide planting area clear of wall footers may be substituted for a hedge. The wall shall be a minimum of six (6) feet in height using architectural design, materials, and colors that are consistent with those of the primary structure.
- (k) Open storage area. An open storage area shall not be permitted unless it is totally screened from the public right-of-way and any adjacent properties by a solid wall and hedge maintained at a six (6) foot height in a minimum four (4) foot wide planting area clear of wall footers. A vine maintained at a six (6) foot height in a minimum two (2) foot wide planting area clear of walls or their footers may be substituted for a hedge. The wall shall be a minimum of six (6) feet in height using architectural design, materials, and colors that are consistent with those of the primary structure.
- (l) Merchandise display areas. A merchandise display area (e.g. garden centers), that is within one-hundred (100) feet of a public right-of-way shall be fenced by decorative metal or solid vinyl privacy fencing. Additionally, the merchandise display area shall be landscaped, integrated into the design of the primary structure using landscaping adjacent to the perimeter, and utilize one of the following techniques:
 - (1) Masonry columns using architectural design, materials, and colors that are consistent with those of the primary structure, spaced a minimum of twenty-five (25) feet apart; or
 - (2) A free standing wall using architectural design, materials, and colors that are consistent with those of the primary structure along the entire length of the fenced merchandise display area that covers at least fifty (50) percent of the fenced storage area.
- (m) Landscaping of newly constructed drive-through windows and lanes adjacent to or visible from public rights-of-way shall include an eight (8) foot wide planting area of an appropriate length with a hedge maintained at a minimum height of six (6) feet and one (1) understory tree for each fifteen (15) feet of length. Renovation of a drive-through

requires a four (4) foot planting area of an appropriate length with a hedge maintained at a minimum height of six (six) feet and one (1) understory tree for each fifteen (15) feet of length. If the drive-through is adjacent to residential it will require an eight (8) foot planting area as described above in this same sub-section.

- (n) For parking requirements see, Article III Zoning, Chapter 58-81 Off-street parking and loading regulations.

Sec. 58-346 Landscape Materials and Installation for Non-residential and Multi-family Properties

- (a) All properties undergoing initial development or re-development involving new construction, renovation, or expansion of the improvements on any property if the value of the work is more than fifty (50) percent of the value of the improvements on the property as set forth in the most recent records of the Orange County Property Appraiser.
- (b) All landscaping shall be installed according to accepted commercial planting procedures. Soil shall be free of lime rock and other construction debris. All vehicle use area base materials (lime rock, soil cement, etc.) shall not extend further than six (6) inches from the back of curbs into the landscape areas.
- (c) Landscape areas along curbs shall be inspected by the City at the time of rough grading inspection and shall be certified free of base materials beyond six (6) inches from the back of curb.
- (d) Non-biodegradable landscape/weed barrier fabric is prohibited.
- (e) Finished grade prior to mulching or sodding shall be three (3) inches below the top of adjacent surfaces such as walks, curbs, and driveways extending perpendicularly from the surface edge for a minimum distance of eighteen (18) inches. Tree roots larger than one (1) inch in diameter shall not be disturbed.
- (f) Trees and palms shall be installed so their top main root at the trunk/ root flare is visible and two (2) inches above finished grade. Do not apply the one (1) inch of mulch to the top of the rootball until after inspection of each tree or palm.
- (g) Remove all rootball coverings (unless biodegradable or metal baskets which shall be folded back below finished grade), tags, ties, wires, ropes, stakes and nursery attachments from all plant material.
- (h) A layer of organic mulch derived from a renewable resource such as pine trees, eucalyptus, or melaleuca to a minimum depth of three (3) inches shall be required in plant beds with one (1) inch on tree/palm rootballs. Mulch from cypress trees, stone, rubber, or inorganic mulch is prohibited. Mulch rings around trees and turf areas shall be a minimum four (4) feet in diameter. Mulch shall not be required in annual beds or containers. Mulch shall not touch trunks or stems or be applied within the crowns of groundcovers or over their branches or foliage. A layer of stone over a non-woven soil separator may be used only for drainage purposes or in utility areas.
- (i) All plant material shall be maintained in a plumb, upright and stable condition. All trees/palms shall be guyed or staked for a minimum of one year. If trees/palms are well rooted the guying or staking attachments shall be removed by the end of the 13th month. Attachments shall be adjusted regularly to prevent girdling of trunks or branches.
- (j) Following the completion of the installation of all landscaping as required by these regulations, the landscape architect shall provide a signed and sealed as-built landscape plan portraying landscape materials as installed and certify in writing with a signed and sealed letter to the city that the landscaping has been installed pursuant to the approved landscape plan and that any substitutions or deletions of plant materials were approved and accepted prior to installation by the parks director or his designee.

Sec. 58-347 Landscape and Irrigation System Maintenance.

- (a) All requisite landscaping whether preserved or newly planted, shall be maintained in good health and condition in order to meet the requirements of these regulations. It is the responsibility of the property owner to maintain such landscaping in good condition and to replant as necessary if plant material dies or exhibits disease or dieback due to drought, freeze, or for any other reasons.
- (b) The property owner shall maintain the irrigation system in good working condition in order to insure one hundred (100) percent coverage of all landscape areas and ensure the proper growth of the landscaping.
- (c) All prohibited plant species shall be removed as part of the regular landscape maintenance.

Sec. 58-348 Tree Protection and Tree Removal

The protection and/or removal of existing trees at nine (9) inch dbh or greater are governed by the city's tree ordinance detailed in Division 6 Tree Removal and Protection. Landscape plans prepared for compliance with these regulations shall include the protected trees indicated by type and size and the proposed preservation or removal pursuant to the city's tree ordinance.

Sec. 58-349 Prohibited Plant Species

- (a) Removal of Prohibited plant species
 - (1) The natural vegetative communities and landscaped areas within the City shall be protected by the control and elimination of prohibited plant species. All prohibited plant species including any living roots shall be removed from each site prior to the beginning of construction.
 - (2) Control and elimination procedures shall in no way harm, cause the decline of preserved or planted trees and landscaping, or promote the proliferation of the prohibited plant species through the dispersal of seed or other vegetative reproducing parts.
 - (3) Prohibited plants typically found in the City include, air potato, skunk vine, Japanese climbing fern, Chinese tallow tree, and Brazilian pepper. For purposes of determining other plant species to remove, refer to Table 1. For the most up to date lists refer to the State of Florida, Department of Agriculture and Consumer Services and the Florida Department of Environmental Protection. The Parks Director or his designee may approve additions or exceptions to this list.

PROHIBITED PLANT SPECIES

TABLE 1 INSET:

5B-57.007 Noxious Weed List

- (1) Parasitic Weeds.
 - (a) Aeginetia spp. (Aeginetia).
 - (b) Alectra spp. (Alectra).
 - (c) Cuscuta spp. Only the native Florida species are excluded from this list. These include:
 - 1. C. americana.
 - 2. C. compacta.
 - 3. C. exaltata.
 - 4. C. gronovii.
 - 5. C. indecora.
 - 6. C. obtusiflora.

7. *C. pentagona*.
8. *C. umbellata*.
- (d)1. *Orobancha* spp. (broomrapes), with the exception of:
2. *O. uniflora*. (oneflowered broomrape)
- (2) Terrestrial Weeds.
- (a) *Ageratina adenophora* (crofton weed).
- (b) *Alternanthera sessilis* (sessile joyweed).
- (c) *Abrus precatorius* (rosary pea).
- (d) *Ardisia elliptica* (shoebutton ardisia).
- (e) *Asphodelus fistulosus* (onionweed).
- (f) *Avena sterilis* (including *Avena budovicianae*) (animated oat, wild oat).
- (g) *Borreria alata* (broadleaf buttonweed).
- (h) *Carthamus oxyacantha* (wild safflower).
- (i) *Casuarina equisetifolia* (Australian pine).
- (j) *Casuarina glauca* (suckering Australian pine).
- (k) *Chrysopogon aciculatus* (pilipiliula).
- (l) *Colubrina asiatica* (latherleaf).
- (m) *Commelina benghalensis* (Benghal dayflower).
- (n) *Crupina vulgaris* (common crupina).
- (o) *Cupaniopsis anacardioides* (carrotwood).
- (p) *Digitaria scalarum* (African couchgrass, fingergrass).
- (q) *Digitaria velutina* (velvet fingergrass, annual couchgrass).
- (r) *Dioscorea alata* (white yam).
- (s) *Dioscorea bulbifera* (air potato).
- (t) *Drymaria arenarioides* (lightning weed).
- (u) *Emex australis* (three-corner jack).
- (v) *Emex spinosa* (devil's thorn).
- (w) *Euphorbia prunifolia* (painted euphorbia).
- (x) *Galega officinalis* (goat's rue).
- (y) *Heracleum mantegazzianum* (giant hogweed).
- (z) *Imperata brasiliensis* (Brazilian satintail).
- (aa) *Imperata cylindrica* (cogongrass).
- (bb) *Ipomoea triloba* (little bell, aiea morning glory).
- (cc) *Ischaemum rugosum* (murainograss).
- (dd) *Leptochloa chinensis* (Asian sprangletop).
- (ee) *Leucaena leucocephala* (lead tree).
- (ff) *Lycium ferocissimum* (African boxthorn).
- (gg) *Lygodium japonicum* (Japanese climbing fern).
- (hh) *Lygodium microphyllum* (small-leaved climbing fern).
- (ii) *Melaleuca quinquenervia* (melaleuca).¹
- (jj) *Melastoma malabathricum* (Indian rhododendron).
- (kk) *Mikania cordata* (mile-a-minute).
- (ll) *Mikania micrantha* (climbing hempweed).
- (mm) *Mimosa invisa* (giant sensitive plant).
- (nn) *Mimosa pigra* (catclaw mimosa).¹
- (oo) *Nassella trichotoma* (serrated tussock).
- (pp) *Neyraudia reynaudiana* (Burma reed).
- (qq) *Opuntia aurantiaca* (jointed prickly pear).
- (rr) *Oryza longistaminata* (red rice).

- (ss) *Oryza punctata* (red rice).
- (tt) *Oryza rufipogon* (wild red rice).
- (uu) *Paederia cruddasiana* (sewer-vine).
- (vv) *Paederia foetida* (skunk-vine).
- (ww) *Paspalum scrobiculatum* (Kodomillet).
- (xx) *Pennisetum clandestinum* (Kikuyu grass).
- (yy) *Pennisetum macrourum* (African feathergrass).
- (zz) *Pennisetum pedicellatum* (Kyasuma grass).
- (aaa) *Pennisetum polystachyon* (missiongrass, thin napiergrass).
- (bbb) *Prosopis* spp.
- (ccc) *Pueraria montana* (kudzu).
- (ddd) *Rhodomyrtus tomentosa* (downy myrtle).
- (eee) *Rottboellia cochinchinensis* (itchgrass).
- (fff) *Rubus fruticosus* (bramble blackberry).
- (ggg) *Rubus molluccanus* (wild raspberry).
- (hhh) *Saccharum spontaneum* (wild sugarcane).
- (iii) *Salsola vermiculata* (wormleaf salsola).
- (jjj) *Sapium sebiferum* (Chinese tallow tree).
- (kkk) *Scaevola taccada* (beach naupaka).
- (lll) *Schinus terebinthifolius* (Brazilian pepper-tree).¹
- (mmm) *Setaria pallidifusca* (cattail grass).
- (nnn) *Solanum tampicense* (wetland nightshade).
- (ooo) *Solanum torvum* (turkeyberry).
- (ppp) *Solanum viarum* (tropical soda apple).
- (qqq) *Tridax procumbens* (coat buttons).
- (rrr) *Urochloa panicoides* (liverseed grass).

62C-52.011 Prohibited Aquatic Plants

Alternanthera philoxeroides
 alligatorweed, green lead plant
Casuarina spp. - Australian Pine
Crassula helmsii - swamp stone crop
Eichhornia spp. - waterhyacinth
Hydrilla verticillata - hydrilla, Florida elodea,
Ipomoea aquatica - water spinach
Ipomoea fistulosa
Lagarosiphon spp. - African elodea
Limnocharis flava - Sawah flowing rush
Lythrum salicari - purple loosestrife
Melaleuca quinquenervia - melaleuca
Mimosa pigra - giant sensitive plant, cat's claw
Monochoria hastata
Monochoria vaginalis
Myriophyllum spicatum - Eurasian watermilfoil
Nechamandra alternifolia
Oryza rufipogon - wild red rice
Pontederia rotundifolia - tropical pickerelweed
Salvinia spp., (excluding *S. minima*)
Schinus terebinthifolius -Brazilian pepper

Sparganium erectum - exotic burreed
Stratiotes aloides - water-aloe, soldier plant
Trapa spp. - water chestnut
Vossia cuspidata - hippo grass

Sec. 58-350 Approved Plant and Tree Materials

In addition to Florida Friendly plants (<http://fyn.ifas.ufl.edu/materials/list.pdf>), the following list of plants and trees (Tables 2-8) shall be used to meet these landscape requirements. The Parks Director or his designee may approve additions or exceptions to this list.

SHADE TREES (L – low water use, M – moderate water use, H – high water use)

TABLE 2 INSET:

BOTANICAL NAME	COMMON NAME
<i>Acer rubrum</i>	Red maple M
<i>Liquidambar styraciflua</i>	Sweetgum L
<i>Juniperus silicola</i>	Red cedar L
<i>Magnolia grandiflora</i> cv.	Southern magnolia cultivars M
<i>Quercus falcata</i>	Southern red oak L
<i>Quercus hemisphaerica</i>	Darlington oak M
<i>Quercus geminata</i>	Sand live oak L
<i>Quercus laurifolia</i>	Laurel oak M
<i>Quercus shumardii</i>	Shumard oak L
<i>Quercus virginiana</i>	Live oak L
<i>Taxodium ascendens</i>	Pond cypress L
<i>Taxodium distichum</i>	Bald cypress L
<i>Ulmus alata</i>	Winged elm L

UNDERSTORY TREES (L – low water use, M – moderate water use, H – high water use)

TABLE 3 INSET:

BOTANICAL NAME	COMMON NAME
<i>Aesculus pavia</i>	Red buckeye M
<i>Cercis canadensis</i>	Red bud L
<i>Chionanthus retusus</i>	Chinese fringe tree M
<i>Chionanthus virginicus</i>	Fringe tree M

<i>Crataegus</i> spp.	Hawthorn species L
<i>Elaeocarpus decipiens</i>	Japanese blueberry tree M
<i>Eriobotrya japonica</i>	Loquat tree M
<i>Forestiera segregata</i>	Florida privet L
<i>Ilex cornuta</i> 'Burfordii'	Burford holly M
<i>Ilex vomitoria</i>	Yaupon holly L
<i>Ilex vomitoria</i> 'Pendula'	Weeping yaupon holly L
<i>Lagerstroemia indica</i>	Crape myrtle L
<i>Ligustrum japonicum</i> (tree form)	Japanese privet tree L
<i>Magnolia grandiflora</i> 'Little Gem'	Little Gem magnolia M
<i>Myrcianthes fragrans</i>	Simpson's stopper L
<i>Parkinsonia aculeata</i>	Jerusalem thorn L
<i>Prunus umbellata</i>	Flatwoods plum M
<i>Viburnum obovatum</i>	Walters viburnum L
<i>Vitex agnus-castus</i> 'Shoal Creek'	Shoal Creek chaste tree L

HEDGE/SHRUBS (L – low water use, M – moderate water use, H – high water use)

TABLE 4 INSET:

BOTANICAL NAME	COMMON NAME
<i>Acca sellowiana</i>	Pineapple Guava/Feijoa L
<i>Cestrum aurantiacum</i>	Golden jasmine M
<i>Elaeagnus pungens</i>	Silverthorn L
<i>Forestiera segregata</i>	Florida privet L
<i>Ilex cornuta</i> 'Dwarf Burford'	Dwarf Burford holly L
<i>Ilex glabra</i>	Gallberry M
<i>Ilex vomitoria</i>	Yaupon holly L
<i>Illicium parviflorum</i>	Yellow anise M
<i>Podocarpus macrophyllus</i>	Yew podocarpus L
<i>Ternstroemia gymnanthera</i>	Japanese cleyera M
<i>Viburnum obovatum</i>	Walters viburnum L
<i>Viburnum odoratissimum</i>	Sweet viburnum M

ORNAMENTAL GRASSES (L – low water use, M – moderate water use, H – high water use)

TABLE 5 INSET:

BOTANICAL NAME	COMMON NAME
<i>Aristida stricta</i>	Wiregrass L
<i>Eragrostis elliottii</i>	Elliot's lovegrass L
<i>Eragrostis spectabilis</i>	Purple love grass L
<i>Muhlenbergia capillaris</i>	Muhly grass L
<i>Paspalum quadrifarium</i>	Evergreen paspalum grass M
<i>Sorghastrum secundum</i>	Lopsided indiagrass L
<i>Spartina bakeri</i>	Cord grass L
<i>Spartina patens</i>	Saltmeadow cord grass L
<i>Tripsacum dactyloides</i>	Fhakahatchee grass L
<i>Tripsacum floridanum</i>	Florida gama grass L

VINES (L – low water use, M – moderate water use, H – high water use)

TABLE 6 INSET:

BOTANICAL NAME	COMMON NAME
<i>Bignonia capreolata</i>	Cross vine L
<i>Ficus pumila</i>	Creeping fig L
<i>Lonicera sempervirens</i>	Coral honeysuckle L
<i>Trachelospermum jasminoides</i>	Confederate jasmine L

TURF GRASSES (L – low water use, M – moderate water use, H – high water use)

TABLE 7 INSET:

BOTANICAL NAME	COMMON NAME
<i>Paspalum notatum</i> 'Argentine'	Argentine Bahia grass L
<i>Cynodon dactylon</i>	Common Bermuda grass M
<i>Eremochloa ophiuroides</i>	Centipede grass M
<i>Stenotaphrum secundatum</i> cv.	St. Augustine grass cultivars H
<i>Zoysia</i> spp.	Zoysia grass species M

TURF SUBSTITUTES (L – low water use, M – moderate water use, H – high water use)

TABLE 8 INSET:

BOTANICAL NAME	COMMON NAME
----------------	-------------

Mimosa strigillosa	Sunshine mimosa L
Lomandra longifolia	Spiny mat rush L
Arachis glabrata cvs.	Perennial peanut and cultivars L
Juniperus conferta cvs.	Shore juniper and cultivars L
Trachelospermum asiaticum	Dwarf Asian jasmine M
Zamia floridana	Coontie L

Sec. 58-351. Enforcement

(a) The Parks Department and the Building and Code Enforcement Department shall provide interpretations, administration, and enforcement of the provisions of this Division with technical guidance received from the Parks Department. Enforcement shall occur during the review process for building plans submitted for permitting and during reviews by the Development Review Committee, Planning and Zoning Commission, and City Commission when projects are submitted through those entities. Follow up for compliance shall continue during the construction phase and prior to the issuance of a certificate of occupancy for the permitted plans.

(b) The city shall have the authority to stop work at a site if unauthorized landscaping work is occurring not in compliance with this division or with the approved plans whichever is applicable. Once a stop work order is issued, work shall not commence until the necessary corrections have been made and work is authorized to continue.

(c) Violations for this division shall be subject to the following: Issuing a "Stop work" Order, withholding the issuance of a certificate of occupancy for a building project; issuing a citation as a Class IV level citation as listed under Article II, Code Enforcement Citation, Section 1-23 "Classes of violations and penalties" and/or referring the violation to the Code Enforcement Board for failure to correct a violation.

SECTION 3. All ordinances or portions or ordinances in conflict herewith are hereby repealed.

SECTION 4. This ordinance shall become effective immediately upon its final passage and adoption.

ADOPTED at a regular meeting of the City Commission of the City of Winter Park, Florida, held in City Hall, Winter Park, on this 27th day of April, 2009.



Mayor Kenneth W. Bradley

ATTEST:


City Clerk Cynthia S. Bonham

Connecting Glenridge Students' Local Decisions and Small-Scale Actions to Ecological Sustainability in the Larger Community

Glenridge MS, 2023-2024

**How can we
contribute to a
sustainable
environment?**





**Can we
improve our
quality of life
by beautifying
our school
campus?**



**Can we grow
our own
healthy food?**



**Thanks to a Green Schools
Grant from the City of
Winter Park,
students at Glenridge MS
attempt to address these
questions**

*Square Foot
Gardens*



Vermicomposting



Ecological Sustainability

- 144 students
- A few short months
- 6 Square Foot Garden Plots
- 1 Pollinator Garden
- 1 Butterfly Planter
- Many Plants
- 1 Worm Bin
- 1 Larvae Bin

How it Began



An abandoned garden plot was just waiting for attention



Students add new raised beds for vegetables

The Outdoor Classroom

Florida friendly and native plants are planted in the Pollinator garden



Left: Students prepare the planting beds

Right: In-ground compost cannister is installed near the garden to provide nutrients to nearby plants



What a difference a few weeks make!

Conserving space is one of the many benefits of the Square Foot Gardening method



Plumeria is very drought-tolerant.

From growing weeds to producing food!



Homegrown results



All pictured produce was grown at Glenridge Middle School

Sustainability: Black Soldier Fly Larvae

*Bin is specifically
designed for
larvae collection*



**BSF
Larvae
eat
(almost)
anything!**



**BSF Larvae
digest
waste and
create high
protein
biomass**



Sustainability: Vermicomposting



**Completed
compost can be
used to return
nutrients to the soil
for planting**



***Students add
kitchen scraps to
the worm bin.***



Multi-tiered vermicomposter

Sustainability: Florida Friendly Plantings



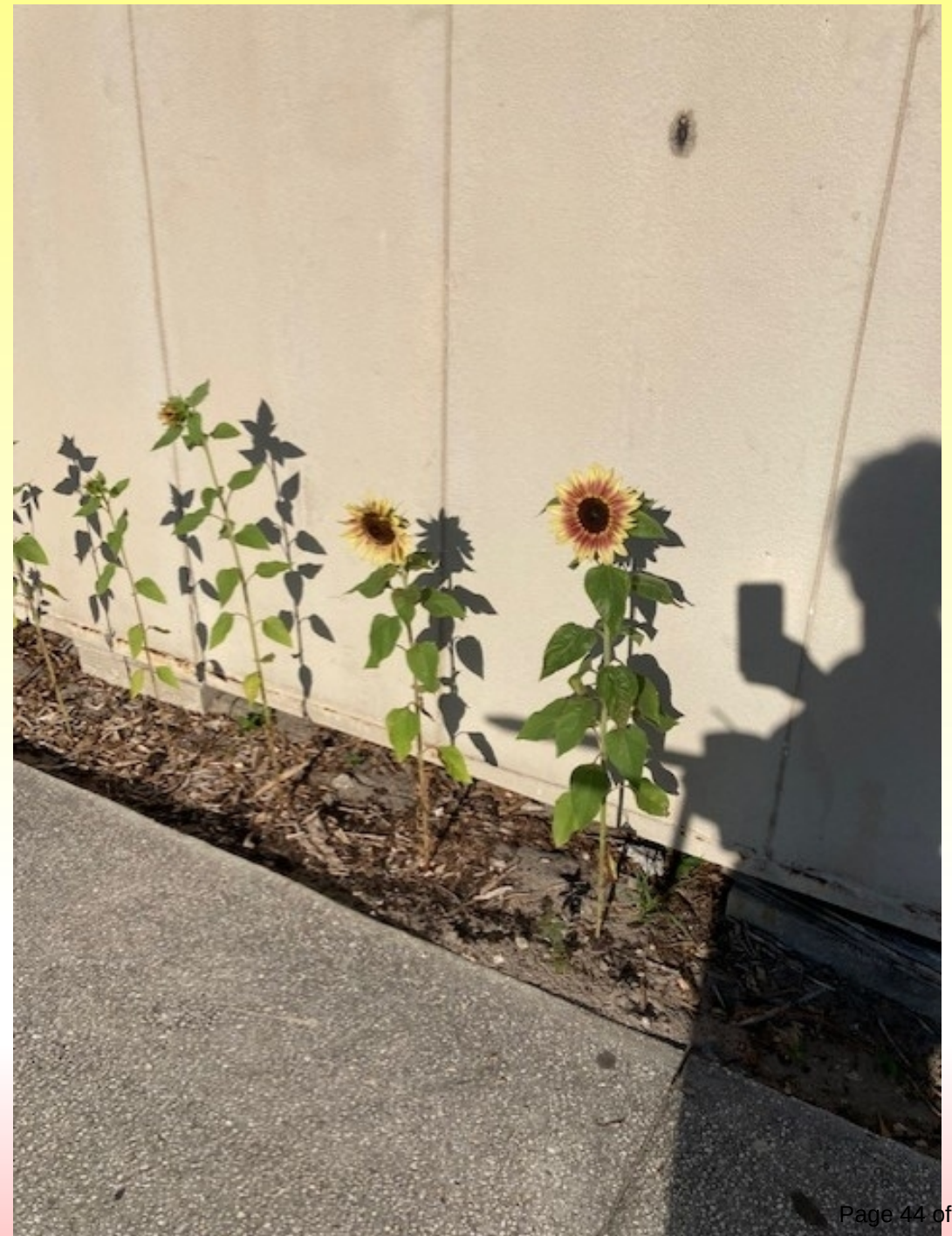
**Our first
sighting of
a Monarch
Butterfly
larvae in
our newly
established
pollinator
garden**



Campus Beautification



Campus Beautification



Campus Beautification with Florida Natives



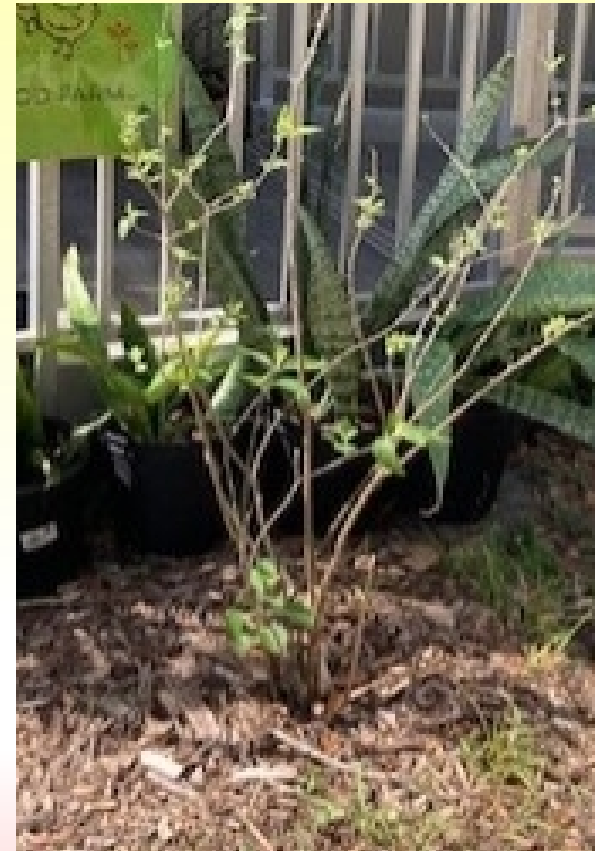
Forked Blue Curl, planted in Pollinator garden and just outside classroom



Muhly Grass, planted in Pollinator garden



Tickseed, planted in Pollinator garden



American Beautyberry, planted outside classroom

Campus Beautification

Our newly installed Pollinator garden includes Plumeria, Cape Plumbago, Vincas, Pentas, Tickseed, Muhly Grass, Bulbine, Candlebrush, Firecracker bush, Forked Blue Curls, African Blue Basil, Porterweed, Milkweed, Beautyberry, and more.



Hatching Butterflies

Monarch



*Cloudless
Sulfur*

Planting Mango



Planting Mulberry

In Summary

How can we contribute to a sustainable environment?



Students say: “What we do at school can help improve our community.”

In Summary

**Can we
improve our
quality of life
by beautifying
our school
campus?**



*Students
say: “I love
seeing all
the
butterflies
enjoying
the
flowers.”*

In Summary

**Can we grow
our own
healthy food?**



*Students
say: “It’s
amazing
how much
food we
got from
that small
space.”*



thank you!
thank you!

The City of Winter Park Green Schools Grant Program has made a meaningful difference to Glenridge students and will continue to improve our experiences and enable hands-on learning for many years to come. Community members, faculty and students will benefit from the established green spaces while graduating students will leave with skills and foundational knowledge about how their personal decisions contribute to environmental sustainability in general.

OUTDOOR LEARNING

School Gardens (vegetable, butterfly/pollinator, native plant, tranquility, etc)

The Lakemont learning garden is a combination of native herbs, vegetables and butterfly/pollinator plants. We systematically designed the space, with your generous contribution, to serve grades k-5 in both science and math curriculum initiatives.

Students were key to its success. They helped prepare the soil, plant seeds and seedlings; while mapping out the seasonal crops that were best suited for our Florida climate. I shopped for specific supplies the students requested that were the most cost effective for our project.

The students planned for multiple varieties of tomato and peppers. They organized, planted and groomed rosemary, thyme, basil, oregano and lemon balm. There was a sprinkling of pollinator plants that were interspersed to assist with rapid life cycle change.

We currently have eggplant, squash, pineapple, cauliflower and corn thriving! The current temperatures and drought did wipe out our cucumber plants after one healthy crop was captured. We are proudly awaiting our very first ear of corn that is almost ready.



OUTDOOR LEARNING







HEALTHY FOOD & GARDEN INITIATIVES

Small-scale food garden projects: container veggie gardens, herb gardens, single-unit tower garden, window-box gardens, etc.

The Lakemont learning garden club worked after school to tend to, grow and harvest the produce and herbs we grew; so that families could enjoy and continue to enjoy the fruits of our labor. We also set up a buffet in the teacher's mailroom to share our crops with the faculty and staff.

Our space is used as a teacher tool for in the moment opportunities to help students record and process information as they learn all of the steps in the life cycle of plants.

Many of the plants are also pruned and re-propagated back into the same garden beds. We learned this season, that wiping a freshly cut branch into the gooey part of an aloe leaf is the perfect plant starter needed to immediately jump start a new plant.

The students also actively participated in planting, labeling and watering seeds in the classrooms to prepare them for transplant back into the garden area once they reached maturity. The Lakemont students could not have done this without the GreenSchools program and we were/are honored to have partnered with you and to have also hosted area schools to showcase our space. Thank you for this opportunity!





METHODIST SCHOOL
FOR EARLY EDUCATION

WINTER PARK GREEN
SCHOOL GRANT
2023-24



THE METHODIST SCHOOL FOR EARLY EDUCATION (MSEE) IS A BUSTLING PRESCHOOL IN THE HEART OF WINTER PARK THAT WELCOMES APPROXIMATELY 200 STUDENTS EVERY SCHOOL YEAR. THE AGES OF OUR STUDENTS RANGE FROM 18 MONTHS TO 5YRS OLD.

MSEE HAS JUST COMPLETED IT'S THIRD FULL SCHOOL YEAR IMPLEMENTING OUR BELOVED OUTDOOR CLASSROOM!

WE HAVE LEARNED SO MUCH THIS YEAR AND CONTINUE TO GROW OUR GARDEN. LOOKING FORWARD, OUR GOAL IS TO PROVIDE THE BEST OUTDOOR LEARNING PROGRAM FOR OUR STUDENTS AND NURTURE A TRUE LOVE OF ALL THINGS OUTSIDE.



A UNIQUE ISSUE THAT WE HAVE FACED IN OUR OUTDOOR CLASSROOM IS HAVING TO NAVIGATE SHARED SPACE WITH THE PLAYGROUND. OFTEN BOUNDARIES BETWEEN PLAY SPACE AND GARDEN ARE HARD TO SET. WE TEACH OUR YOUNG STUDENTS TO BE MINDFUL OF THEIR FEET AND ONLY TO HARVEST WITH A TEACHER'S HELP. THIS CAN BE A DIFFICULT AND SOMETIMES A COSTLY LESSON TO LEARN. WE HAVE ATTEMPTED MULTIPLE, LESS-THAN SUCCESSFUL BORDERS.



BEGINNING THIS SCHOOL
YEAR, WE KNEW WE
WANTED TO FOCUS ON
EXPANDING OUR
BUTTERFLY GARDEN.
WITH OUR CURRENT
FLIMSY FENCE OUR
CATERPILLARS AND
PLANTS WOULD NOT BE
SAFE FROM CURIOUS



WITH OUR AWARDED WINTER PARK GREEN
SCHOOL GRANT
MSEE WAS ABLE TO PURCHASE A STURDY AND
EFFICIENT FENCE SYSTEM TO PROTECT OUR
BUTTERFLY GARDEN!



WE WERE ALSO EXCITED TO USE OUR GRANT FUNDS
TO REPLENISH OUR MILKWEED PLANTS AND CREATE
AN INVITING HOME FOR THE BUTTERFLIES!





WE ALSO HAD ENOUGH FENCE
LEFTOVER TO KEEP OUR CROPS
PROTECTED IN THE
KINDER" GARDEN"!





THANK YOU WINTER PARK SUSTAINABLE ADVISORY BOARD!

MSEE IS SO GRATEFUL TO BE RECOGNIZED
BY THIS AMAZING PROGRAM! WE LOOK
FORWARD TO WORKING TOGETHER FOR
MANY YEARS TO COME AND STRIVING TO
“KEEP WINTER PARK BEAUTIFUL” BY
INSPIRING THE LOVE OF NATURE WITHIN OUR
COMMUNITY.



All Saints School Green School Grant 2024 Photo Essay

Walden Community School Green School Grant 2024





Winter Park High School Green School Grant 2024

Calendar Fundraiser Pricing



Vendor name	Size	Price	
Shutterfly	8" x 11"	\$34.99 per calendar regardless of quantity	
Vista Print	8.5" x 11"	Quantity	Price
		50	\$837.50
		100	\$1,659
		250	\$4,025
Createphotocalendars.com	8.5" x 11"	Quantity	Price
		50	\$662.5
		100	\$1,225
		250	\$2,812.5
calendarcompany.com	8" x 10"	Minimum order 250 for \$625	

American Graphix Solutions pricing



12x18 paper size / Drilled hole with a folded and stitched side:

Paper type	50 count	100 count	250 count	500
Color paper w/ gloss cover	\$643.15	\$1,026.04	\$2,138.45	\$3,843.06
Gloss paper w/ gloss cover	\$686.03	\$1,234.90	\$2,664.93	\$4,615.28
B&W paper w/ uncoated gloss cover	\$417.50	\$631.86	\$1,268.21	\$2,169.50

Greeting Cards

Bulk price, envelopes & packaging not included



	Size	Quantity	Price
<u>MC Design & Print</u>	8.5 x 5.5	250	\$1,315.44
		500	\$2,041.56
		1000	\$3,459.00
<u>StationaryHQ - Variable Data Foldover</u>	8.5 x 5.5	250	\$ 62.50
		425	\$106.25
		840	\$212.50
**UPS (Envelopes included)	8.5 x 5.5	250	\$2,704.80
		500	\$3,264.00
		1000	NA
<u>M&M</u>	4 x 6	250	\$525.00
		500	\$985.00
		1000	\$1,935.00
American Graphix Solutions	4 x 6	250	\$303.68
		500	\$539.83

Greeting Card Staff Time



*Based on an average of the Sustainability Manager, Sustainability Specialist, & Sustainability Intern salary. This includes meeting with vendor, submitting photos, review, and payment.

- **10 hours working on greeting cards - \$233.52**
- **20 hours working on greeting cards - \$467.03**

Calendar Staff Time



Based on an average of the Sustainability Manager, Sustainability Specialist, & Sustainability Intern salary. This is to only create the calendar, not inclusive of promoting

- **20 hours working on calendar – \$449.70**
- **30 hours working on calendar – \$674.54**
- **40 hours working on calendar – \$899.39**



Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item 6.b

item type

Staff Updates

meeting date

June 18, 2024

prepared by

approved by

Victoria Tabor, Administrative Coordinator
II

subject

Past & Upcoming Events

- Lakes Event - 6/8 @ Lake Bell
- Paddleboard Cleanup - 6/15 @ Lake Maitland
- Board Appreciation - 6/20 5:30pm @ WP Pines (WP 18)
- Introduction to Vermicomposting Class - 6/27 6pm @ WP Library
- Filth of July Litter Cleanup - 7/6 9am @ Public Safety Building, 500 N Virginia Ave

motion | recommendation

background

alternatives | other considerations

fiscal impact

attachments

1. Board Appreciation Evite
2. Sustainability Intro to Vermicomposting Flyer
3. Filth of July Cleanup Flyer

you & a guest are invited to a

Tee-rific Time @ WP Pines

for our Annual Board Appreciation event

join us @ WP18

on the 19th hole

thursday June 20

follow-through from

5:30 to 7 pm.

hook some heavy hors d'oeuvres
pace yourself with custom cocktails

The Fairway Transfusion &
The 19th Hole Old Fashioned

groove to the sounds of ukulele's

pin some cool raffle swag

Winter Park Pines Golf Club
@ 950 S. Ranger Boulevard

rsvp for you & a bogey by June 13 to jmiller@cityofwinterpark.org



intro to vermicomposting

Thursday
06.27
6 p.m.

Winter Park Library
1052 W. Morse Blvd.
Winter Park, FL 32789

space is limited » register now @
natural-resources-sustainability.eventbrite.com

why vermicompost?

to help reduce your overall landfill contribution and make organic matter able to improve the chemical, physical and biological characteristics of your soils.

what will you learn?

how to turn your yard and kitchen waste into organic matter using worms as soil management, mulch and potting soil.

questions? **407.599.3364** or **sustainability@cityofwinterpark.org**

in partnership with



FILTH OF JULY LITTER CLEANUP

**saturday
july 6**

9-11 a.m.

public safety building @
500 north virginia ave.

[meet here for supplies]

**volunteers
needed to**

clean-up litter

[within downtown winter park]

**to sign up
contact**

407.599.3364

kwpb@cityofwinterpark.org

cityofwinterpark.org/kwpb

wear patriotic closed-toe shoes
clean up litter like it's 1776
carpooling encouraged

special thanks to ADP for sponsoring this event



Keep Winter Park
Beautiful &
Sustainable Advisory
Board

agenda item 7.a

item type

Board Comments

meeting date

June 18, 2024

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Green Minutes

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

None



Keep Winter Park
Beautiful &
Sustainable Advisory
Board

agenda item 7.b

item type

Board Comments

meeting date

June 18, 2024

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

New Business/Announcements

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

None



Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item 8.a

item type

Upcoming Agenda Items

meeting date

June 18, 2024

prepared by

Victoria Tabor, Administrative Coordinator II

approved by

Victoria Tabor, Administrative Coordinator II

subject

Discussion of Upcoming Agenda Items

motion | recommendation**background****alternatives | other considerations****fiscal impact****attachments**

None