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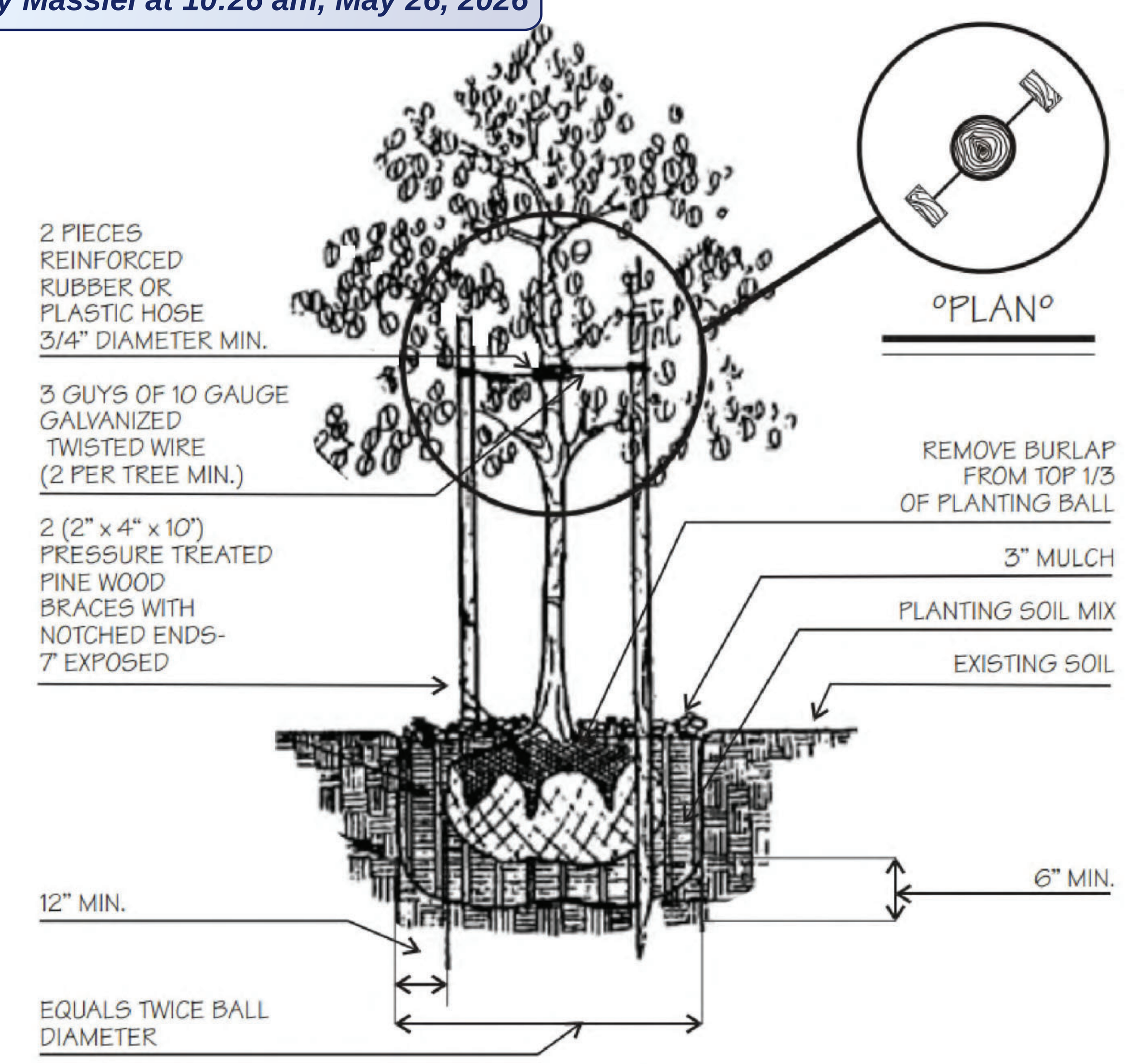
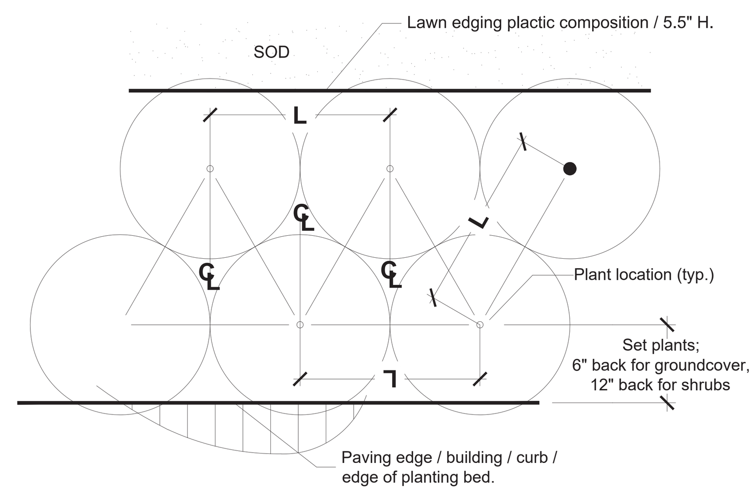


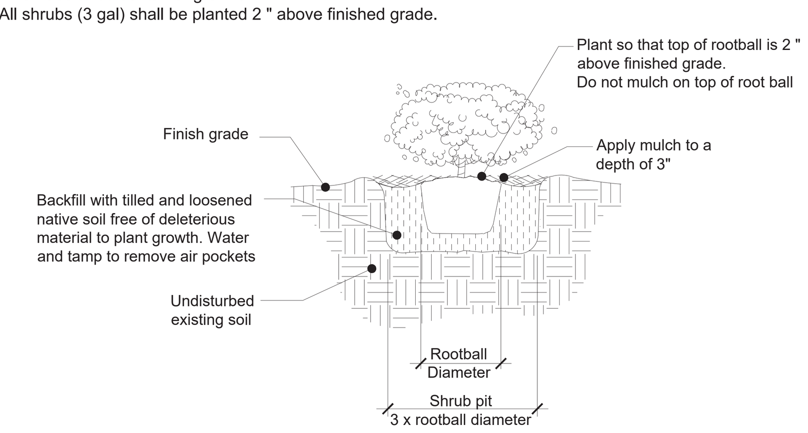
1 °TREE PLANTING DETAIL°

Notes:
- Spacing diagram refers to all planting unless noted otherwise
- L= Spacing as called for in planting plan and plant list



2 Shrubs Planting Detail
SCALE: N.T.S.

Notes:
- All planting areas and planting pits shall be tested for sufficient percolation prior to final planting and irrigation installation to ensure proper drainage. Plant beds in parking lots and in areas compacted by heavy equipment shall be de - compacted so that drainage is not impeded.
- All shrubs to be container grown.
- All shrubs (3 gal) shall be planted 2 " above finished grade.



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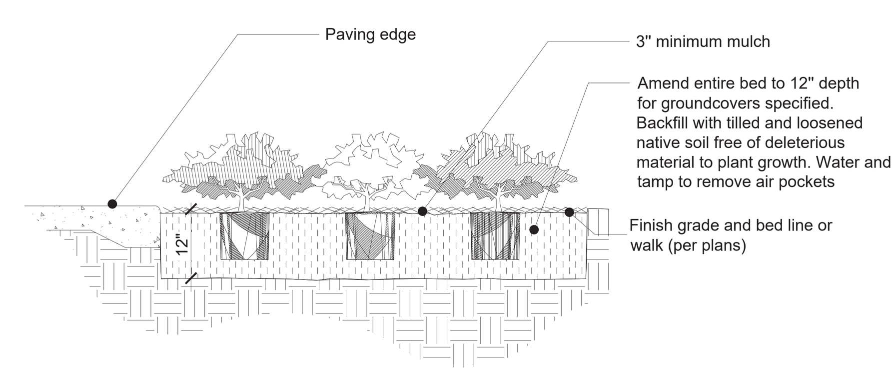
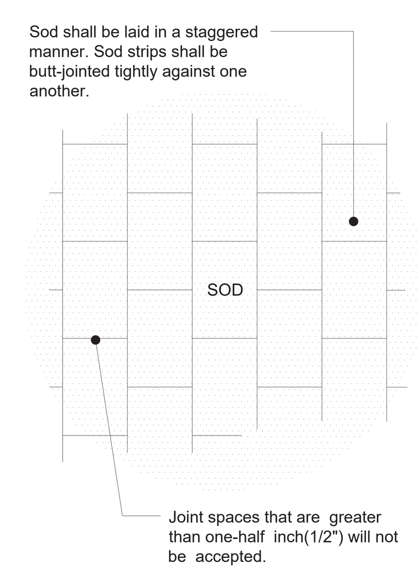




3 Sod Planting Detail
SCALE: N.T.S.

GENERAL NOTES

1. Landscape Contractor is responsible for verifying locations of all underground and overhead utilities and easements prior to commencing work. All Utility companies and/or the General Contractor shall be notified to verify utility locations prior to digging. Utility trenching is to be coordinated with the Landscape plans prior to beginning of project. The Owner or Landscape Architect shall not be responsible for damage to utility or irrigation lines.
2. Landscape Contractor shall examine the site and become familiar with conditions affecting the installation prior to submitting bids. Failure to do so shall not be considered cause for change orders.
3. Landscape Contractor is responsible for verifying all plant quantities prior to bidding and within (7) seven calendar days of receipt of these plans shall notify the Landscape Architect in writing of any and all discrepancies. In case of discrepancies planting plans shall take precedence over plant list.
4. No substitutions are to be made without prior consent of the Landscape Architect. Plant material supply is the responsibility of the Landscape Contractor, and he/she shall take steps to insure availability at time of planting.
5. All plant material shall meet or exceed the size on the plant list. In all cases meeting the height and the spread specifications shall take precedence over container size.
6. All planted areas to be outfitted with automatic irrigation system providing 100% coverage and 50% overlap. A rain sensor must be part of the irrigation system.
7. Landscape Contractor shall be responsible for providing temporary hand watering to all proposed & landscape areas, during construction.
8. The Landscape Contractor is responsible for coordinating tree and palm removals and transplants shown on the Tree/Palm Disposition Plan. The Landscape Contractor is to remove and discard from site existing unwanted trees, palms, shrubs, groundcovers, sod and weeds within landscape areas.
9. All permitting and fees to be the responsibility of the Contractor.

PLANTING NOTES

1. Landscape Contractor shall furnish and install all trees, palms, shrubs, groundcover, sod, planting soil, herbicide, preemergence herbicide, seed, and mulch. Landscape Contractor to provide Landscape Architect with at least 5 days notice prior to tree installation.
2. Landscape Contractor shall guarantee all plant material for a period of one year from the day of final acceptance by the Landscape Architect.
3. All plant material shall be Florida #1 or better, as defined in the Grades and Standards for Nursery Plants, Part I and II by the State of Florida Department of Agriculture.
4. Landscape Contractor is responsible for scheduling a nursery visit for Landscape Architect to approve all trees, palms and shrubs prior to delivery to the project site.
5. Landscape Contractor shall coordinate his work with that of the Irrigation and Landscape Lighting Contractor.
6. The Landscape Contractor shall treat planted areas with preemergence herbicide after weeds and grass have been removed. Landscape Contractor shall apply pre emergent herbicide per manufacturer's recommendation, wait period prior to planting as specified. Planting soil mix/backfill shall be clean and free of construction debris, weeds, rock and noxious pests and disease.
7. All soil mix in plant beds for ground covers, shrubs, palms and trees shall be as per details. All other areas shall be dressed with a minimum of 4" topsoil "if required".
8. All planting areas and planting pits shall be tested for sufficient percolation prior to final planting and irrigation installation to ensure proper drainage. Plant beds in parking lots and in areas compacted by heavy equipment shall be de-compacted so that drainage is not impeded.
9. All synthetic burlap, string, cords or wire baskets shall be removed before trees are planted, without breaking the soil ball. All synthetic tape shall be removed from branches and trunks prior to final acceptance. The top 1/3 of natural burlap shall be removed, after the tree is set in the planting hole and before the tree is backfilled. Landscape Contractor is to check for root defects including deep planting in the root ball and circling roots, trees with root problems will not be accepted.
10. Landscape Contractor is responsible for mulching all plant beds and planters with a minimum 3" layer of natural color Eucalyptus or Enviromulch immediately after planting. In no case shall Cypress mulch be used.
11. All Trees/Palms in sod areas are to receive a 48" diameter mulched saucer at the base of the trunk respectively.
12. Landscape Contractor shall guy and stake all trees and palms as per specifications and details. No nails, screws or wiring shall penetrate the outer surface of trees and palms. All guying and staking shall be removed twelve months after planting.
13. All palm and tree guy wires and bracing are to be flagged for visibility, for their duration. All unattended and unplanted tree pits shall be properly barricaded and flagged during construction.
14. All broken branches and clear trunk branches on street trees are to be pruned according to ANSI A - 300 Guidelines for Tree Pruning to min. 5' - 0" height clearance to the base of canopy.
15. Landscape Contractor shall fertilize plant material as needed to support optimum healthy plant growth. All fertilization shall be performed in compliance with the latest ANSI A300 (Part 2) Standards.
16. Stake all trees and palms for approval by Landscape Architect prior to installation.
17. Any sod areas damaged by construction are to be replaced with St. Augustine 'Floratam' sod.
18. All areas within limits of work not covered by walks, buildings, playground, and/or any other hardscape feature shall be sodded with St. Augustine 'Floratam' sod.
19. St. Augustine 'Floratam' - Contractor's responsibility to verify quantity.
20. Install rootbarrier as per manufacturer's recommendation on all large trees that are 6' or closer to any pavement or building, as shown on details page.
21. Root barrier shall be Vespro Inc. or approved equal.

4 Tree/Palm General Planting Notes
SCALE: N.T.S.

TREE AND PALM PROTECTION NOTES:

1. Before beginning work, the Contractor is required to meet with the Landscape Architect at the site to review all work procedures, access routes, storage areas, and tree protection measures.
2. The General Contractor is required to coordinate with the Landscape Architect to determine the amount of tree canopy or root zone that the General Contractor will be responsible for pruning. THE TRIMMING SHALL BE AS PER ANSI A300 STANDARDS.
3. Fences shall be erected to protect trees to be preserved. Fences define a specific Tree Protection Zone (TPZ) for each tree or group of trees. Fences are to remain until all site work has been completed. Fences may not be relocated or removed without the written permission of the Landscape Architect. Refer to TREE PROTECTION ZONE (TPZ) DETAIL.
4. Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
5. All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, they shall be tunneled or bored under the tree.
6. No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone (fenced area).
7. Additional tree pruning required for clearance during construction must be performed by a ISA qualified arborist AS PER ANSI A300 STANDARDS, and not by construction personnel.
8. Any herbicides placed under paving materials must be safe for use around trees and labeled for that use. Any pesticides used on site must be tree-safe and not easily transported by water.
9. If injury should occur to any tree during construction, it should be evaluated as soon as possible by the Landscape Contractor and the Landscape Architect should be notified immediately.
10. Any grading, construction, demolition, or other work that is expected to encounter tree roots must be monitored by the Landscape Contractor.
11. All trees shall be irrigated three times a week. Each irrigation procedure shall wet the soil within the tree protection zone, 2-3 GALLONS OF WATER PER INCH OF TRUNK CALIPER.
12. Erosion control devices such as silt fencing, debris basins, and water diversion structures shall be installed to prevent site erosion and siltation situations and/or erosion within the tree protection zones.
13. Before grading, pad preparation, or excavation for foundations, footings, walls, or trenching near trees the trees shall be root pruned 12 inches outside the tree protection zone by cutting all roots cleanly to a depth of 36 inches. Roots shall be cut manually by digging a trench and cutting exposed roots with a saw, vibrating knife, rock saw, narrow trencher with sharp blades, or other approved root-pruning equipment.
14. Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw.
15. If temporary haul or access roads must pass over the root area of trees to be retained, a road bed of 6 inches of mulch or gravel shall be created to protect the soil. The road bed material shall be replenished as necessary to maintain a 6-inch depth.
16. Spoil from trenches, basements, or other excavations shall not be placed within the tree protection zone, either temporarily or permanently.
17. No burn piles or debris pits shall be placed within the tree protection zone. No ashes, debris, or garbage may be dumped or buried within the tree protection zone.
18. Maintain fire-safe areas around fenced areas. Also, no heat sources, flames, ignition sources, or smoking is allowed near mulch or trees.

5 Tree/Palm Protection Notes
SCALE: N.T.S.

TREE AND PALM TRANSPLANTING NOTES

1. Certified arborist is to be hired to supervise and direct all phases of transplanting trees and palms.
2. Trees to be relocated shall be root pruned a minimum of eight weeks prior to transplanting. Landscape Contractor shall maintain transplanted materials during construction period by watering, weeding, mowing, spraying, fertilizing, and pruning .
3. Landscape Contractor is responsible for verifying locations of all underground and overhead utilities and easements prior to commencing work. All Utility companies and/or the General Contractor shall be notified to verify utility locations prior to digging. Utility trenching is to be coordinated with the Landscape prior to beginning of project. The Owner and Landscape Architect shall not be responsible for damage to utility or irrigation lines.
4. The Landscape Contractor shall comply with all local and State codes and shall be responsible for obtaining all applicable permits.
5. Landscape Contractor shall regularly inspect the relocated materials to ensure compliance with standard horticultural practices.
6. The Landscape Contractor is responsible for guaranteeing the transplanted trees and palms for a period of one year. At the time of final inspection all transplanted trees and palms that are not in a healthy growing condition shall be replaced by the Landscape Contractor.
7. Root Pruning and Transplanting Operations: The Landscape Contractor shall take all precautions to minimize shock of root pruning and transplanting in accordance with standard arboriculture procedures including:

A. The diameter of the root-pruning or transplanting circle shall be at a distance away from the trunk equal to 12 times each inch of trunk diameter at breast height.
B. All small roots shall be cleanly cut with a sharp spade, a clean saw or chainsaw depending on the size of the root.
C. Trees shall not be pruned at transplanting to compensate for root loss. Any trimming required shall be as per the International Society of Arboriculture Trimming Standards.
D. For all palms except Sabal palmetto, the lower fronds shall be pruned leaving 9-11 fronds that can be tied without an extensive amount of weight that may damage the heart of the palm. The Sabal palmetto shall be have all fronds cut without damaging the bud.
E. After root pruning trees, backfill roots to original existing grade with existing soil free of any deleterious material to root growth.
F. Provide a minimum of 3" mulch over backfill area to prevent weed growth, conserve moisture and prevent evaporation. Keep mulch 6" away from the trunk.
G. Provide tree protection as per Tree Protection Detail to ensure that the tree or root system is not damaged during the root-pruning period.
H. After root pruning, during root regeneration period trees shall be watered as per standard horticultural practices.
I. Immediately prior to transplanting tie the branches of the tree up to avoid damage.
J. The root ball shall be wrapped with burlap to protect the soil around the roots and protect the roots from drying out at time of moving from the hole.
K. Finish cutting of root ball for transplanting.
L. Transplanting must occur within 24 hours after being dug for relocation. Trees/Palms should be kept in shade and the canopy kept moist.
M. Digging and preparation of the new hole for the transplant shall be done prior to removing the tree from the existing location.
N. The depth of the new hole shall be minimum equal to the depth of the root ball and the width shall be minimum equal to three times the width of the root ball. The Landscape Contractor is to verify that all new holes have appropriate percolation. Landscape Contractor is to report to the Landscape Architect if water percolation does not meet requirements for healthy plant growth.
O. Trees and palms shall be lifted from the ground with heavy equipment designed specifically for tree relocation so that the trunk and crown is not impacted and damaged by the equipment.
P. The slings used to lift the trees and heavy weight palms shall be non-binding nylon type slings that are wrapped under the root ball to support the weight of tree or heavy palm. Slings shall not be solely wrapped around the trunk of the tree that can cause damage, girdling and result in decline and death of the tree.
Q. The slings used to lift the lighter weight palms shall be non-binding nylon type slings that are wrapped around the trunk to support the weight of the palm. Padding the sling may be necessary so that the trunk or "boots" are not damaged,
R. Trees shall be planted 2"max. higher than their original planting level prior to relocation. Palms shall be planted at the same elevation prior to relocation. The tree and palm shall be centrally positioned in the planting hole and set straight, plumb or normal to the growth pattern prior to transplanting.
S. The trees and palms shall be backfilled with existing soil **free of deleterious material to plant growth.**
T. Trees and palms shall be deep root watered to eliminate air pockets in the backfill mix prior to mulching.
U. A 6" saucer shall be created around the edge of the plant pit to help hold water, see planting detail for additional information.
V. Provide a minimum of 3" layer of mulch over saucer and backfill area outside saucer to prevent the weed growth, conserve moisture, and prevent evaporation. Keep mulch 6" away from the trunk.
W. Install tree and palm bracing as per attached details, to ensure stability of tree and palm during time period prior to and after transplanting, stake trees and palms after transplanting only is required to keep them stable.
X. Over the guarantee period the Landscape Contractor is responsible for resetting any trees/palms that are not vertical when caused by winds less than 75 MPH.
Y. After transplanting trees and palms, the Landscape Contractor shall be responsible for obtaining water and watering to maintain soil moisture during the guarantee period at a minimum of:
First Month- daily; Second Month - 3 times per week; Third and Fourth Months - 2 times per week; Last Eight Months -1 time per week. For trees over 4" in caliper at the time of planting, the schedule should be: First 6 weeks - daily, from 1.5 months to 6 months-3 times per week, last 6 months - 1 time per week.

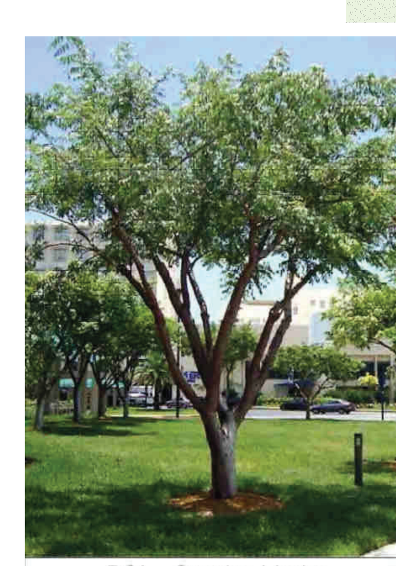
6 Tree/Palm Transplanting Notes
SCALE: N.T.S.

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	DBH	HGT	SRD	REMARKS
TREES									
	BSI	5	Bursera simaruba	Gumbo Limbo	65 gal	4"-6"	14`-16` OA	6`-8`	Florida Native - Miami-Dade Landscape Manual - Drought Tolerant
	CDI	5	Coccoloba diversifolia	Pigeon Plum	FG/BB	4"	16` OA	6`-8`	STD - Florida Native - Miami-Dade Landscape Manual - Drought Tolerant
	CON	5	Conocarpus erectus `Sericeus`	Silver Buttonwood	45 gal	2"	12` OA	4`-6`	Drought Tolerant - STD - Florida Native - Miami-Dade Landscape Manual - 4' CT Minimum
	COS	6	Cordia sebestena	Orange Geiger	FG	2"	12` OA	5`	Florida Native - Miami-Dade Landscape Manual - Drought Tolerant - Salt Tolerant
STREET TREE									
	CES	6	Conocarpus erectus	Green Buttonwood	45 gal	3"	12` OA	4`-6`	Drought Tolerant - STD - Florida Native - Miami-Dade Landscape Manual - 4' CT Minimum

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	HGT	WIDTH	REMARKS
SHRUBS								
	HLA	152	Hymenocallis latifolia	Spider Lily	3 gal	2`	2`	Florida Native- Drought Tolerant - Miami-Dade Landscape Manual
	LDE	250	Lantana depressa	Depressed Shrubverbena	1 gal.	1.5`	1.5`	Florida Native - Drought Tolerant - Whiter blooms - Miami-Dade Landscape Manual
	NFA	46	Nephrolepis biserrata	Macho Fern	7 gal.	3"	2`	Florida Native - Miami-Dade Landscape Manual
	PMM	51	Podocarpus macrophyllus 'Maki'	Shrubby Yew	7 gal	4`-5`	2`	
	JMC	57	Stachytarpheta jamaicensis	Blue Porterweed	3 gal.	2`	2`	Florida Native - Drought Tolerant
LARGE SHRUBS								
	CUV	5	Coccoloba uvifera	Sea Grape	15 gal.	5`-6` OA	3.5`	Bush - Florida Native
	CES2	251	Conocarpus erectus sericeus	Silver Button Wood	15 gal	5`	3`-4`	Shrub Type - Florida Native - Miami-Dade Landscape Manual

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	HGT	SPD	REMARKS
GROUND COVERS								
	PNF	3,517 sf	Phyla nodiflora	Frogfruit	1 gal.			Florida Native
AGGREGATES								
	GMG	2,897 sf	Gray Marble Gravel 1/2"	1/2" Grey Marble Gravel	S.F.			3" Layer - Substitute for Gray Pearock if Desired
SOD/SEED								
	CDB	1,415 sf	Cynodon dactylon	Bermuda Grass	Sod			Drought Tolerant
	SSP	3,098 sf	Stenotaphrum secundatum `Palmetto`	Palmetto St. Augustine Grass	Sod			Shade tolerant


BSI - Gumbo Limbo

CDI - Pigeon Plum

COE - Silver Buttonwood

COS - Orange Geiger

HLA - Spider Lily

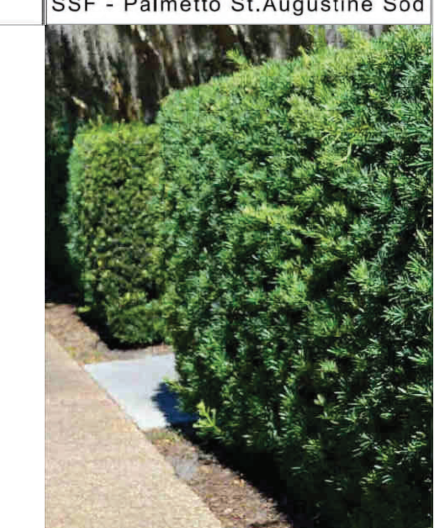
LDE - Depressed Shrubverbena 'White'

NFA - Macho Fern

CES - Silver Buttonwood

PHN - Frogfruit

SSF - Palmetto St.Augustine Sod


PMM - Shrubby Yew

ONE YEAR - TREE MAINTENANCE PLAN
All newly planted trees to be guaranteed for a period of one year and in accordance with the following:

Planting Day:
- Keep roots moist; **do not** allow the roots to dry out.
- Remove turf from planting area.
- Dig planting hole wide and shallow. The hole should be 2-3 times wider in all directions than the root spread.
- Prune only dead or broken branches.
- Remove all twine or rope from trunk and branches.
- Remove planting container and burlap (any material that would constrict growth of roots; wire, plastic, wooden basket)
- Make sure to have the rootball approximately 10% above finish grade.
- Do not use amendments in the planting hole.
- Water tree at planting to remove air pockets. After backfilling gently firm soil, do not pack soil. Heavy packing will remove air space in -soil.
- Do not mound soil against trunk of tree.
- Mulch over entire rooting area with 3" of mulch (wood chips, shredded bark, etc.) Keep mulch 3" from trunk of tree since this could create a favorable environment for fungi.
- Fertilizer is not recommended for newly planted trees. (Consider time-released fertilizer, if there is a need to fertilize).

After Planting:
- Plants shall be watered in accordance with specification as provided on the irrigation plans.
- All lawn areas shall be mowed weekly during growing season and bi-weekly in non-growing season.
- Fertilizer shall be applied in the fall or early spring. Although it is not harmful to apply fertilizer at any time during the year.
- Inspect trees for disease or insect problems.
- Monitor health and vigor of trees.
- Pruning of all shrubs shall be done regularly to control shape and form.All pruning shall be done in accordance with the American National Standards Institute (ANSI) A-300 standards.

After One Year:
- Continue to monitor trees health and vigor. Inspect for disease and insect problems. Inspect evergreen trees for winter injury and fruit trees for rodent damage.
- Remove tree wrap from thin bark trees in spring.
- Remove stakes from trees planted previous year.
- All plants shall be mulched on a yearly basis or as needed to maintain healthy grown and reduce weed growth.
- Begin corrective pruning trees one year after trees are planted (general rule of thumb is to remove no more than $\frac{1}{4}$ of the foliage at one time). All pruning shall be done in accordance with the American National Standards Institute (ANSI) A-300 standards.
- Continue watering trees when needed.
- Replace dead trees as needed, If trees have died in first year notify nursery that planted trees. They should guarantee trees for at least one year.

ONE YEAR - TREE MAINTENANCE PLAN

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Digitally signed by DERICK LANGEL
Date: 2026.05.15 17:50:23-04'00'

REVISIONS:

PROJET NAME
2020 NW 89th Place
DORAL , FL 33172

SHEET INFORMATION:

Drawing Size 30x42
Project #: 2024-09-99
Drawn By: VD
Checked By: DL-JV

Title:
PLANTING NOTES, DETAILS & IMAGES

Sheet Number:
L-03

Date: - September 23, 2025