Landscape Specifications

1. All tree and plant material to be Florida No. 1 or better, as classified in "Grades and Standards for Nursery Plants", Part 1 and Part II, State of Florida, Dept. of Agriculture, Tallahassee. All plants not listed in "Grades and Standards for Nursery Plants" shall conform to a Florida No. 1 as to: (1) health and vitality, (2) condition of foliage, (3) root system, (4) freedom from pest or mechanical damage, (5) heavily branched and densely foliated according to the accepted normal shape of the species.
2. Undersizing or substitution of one species or cultivar for another species is a breach of contract and will be "Rejected" at the time of final landscape inspection unless approved by Landscape Architect,
3. Project Warranty; All plant material shall be warranted for a period of one (1) year after date of substantial completion against defects, including death and unsatisfactory growth, except for defects resulting from abuse or damage by others or unusual phenomena or incidents which are beyond the contractor's control.
4. Any and all conditions which the contractor feels will be detrimental to the success of the planting shall be brought to the owner or representative's attention,
5. The contractor shall verify the location of underground utilities prior to commencing work on any project area. Call 811 - Sunshine State One Call of Florida, Inc. - www.sunshine811.com
6. Mulch planting areas with 3" layer of Melaleuca, Eucalyptus, or Enviromulch. Cypress Mulch is NOT ACCEPTABLE. Planting beds to receive mulch throughout entire bed area.
7. All plants to be set to ultimate grade. No filling will be permitted around trunks or stems. Mulch to be kept a minimum of 2" away from trunks and stems.
8. Planting trees and shrubs: Excavate hole per planting detail. When plant is set, place additional backfill consisting of a 50% mixture of Peat humus and natural soil around the base and sides of ball, and work each layer to settle backfill and eliminate voids and air pockets. When excavation is approximately 2/3 full, water thoroughly before placing remainder of backfill. Water again after placing final layer of backfill and before installing mulch.
9. Guy and stake trees in 3 directions with galvanized wire, through flexible hose chafing guards, with wooden stake anchors immediately after planting. (See Detail)

10. All plant material and sod shall be fertilized in accordance with Martin County's fertilizer ordinance. Soil tests are required from the site to be in compliance with the ordinance and shall be taken from the minimum required areas as stated in the ordinance. Fertilizer shall be a complete natural organic fertilizer and slow release.

Fertilized with a complete natural organic fertilizer with a ratio as allowed by the County.

Palms should receive a complete granular fertilizer formulated for palms ("Palm Special") at a rate of 5 to 8 lbs. per palm.

Agriform 20-0-5 (If allowed by County) twenty-one gram planting tablets may be substituted for granular fertilizer. If utilized, the following rates
shall be utilized: Position plant in hole. Backfill halfway up the rootball. Place tablet(s) beside rootball about 1" from root
tips. Do not place tablet(s) in bottom of hole.

1 Gallon 1 Tablet
3 Gallon 2 Tablets
25 Gallon & B&B Trees 2 per 1" caliper

11. All planting areas and sod to be irrigated to provide 100% coverage. Shop drawings to be submitted by the irrigation contractor for approval prior to installation.
12. Maintain trees, shrubs, and other plants by watering, cultivating, and weeding as required for healthy growth. Restore planting saucers and mulch. Tighten and repair stake and guying and reset trees and shrubs to proper grade or vertical position as required. Spray as necessary to keep trees and shrubs free of insects and disease. The contractor shall begin maintenance immediately after planting and shall continue maintenance through final acceptance when Certificate of Occupancy is issued to the General Contractor by City and project is released by the General Contractor to Client.
13. Prune trees and shrubs only to remove damaged branches as directed by the Landscape Architect.
14. Planting Lawns: Provide clean, strongly rooted, uniformly sized strips of Stenotaphrom secundatus Floritam (unless otherwise noted), machine stripped not more than 24 hours prior to laying. Grade and roll prepared lawn surface. Water thoroughly but not to create muddy soil conditions. Lay sod strips with tight joints, roll or tamp lightly, and water thoroughly.
15. Maintain positive drainage, no planting is to block drainage.

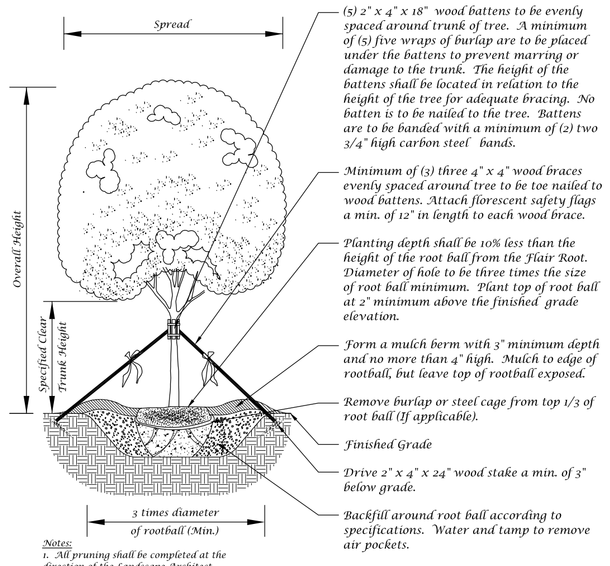
16. Drainage Testing
Prior to planting of trees, palms, and specimen material, each planting pit shall be tested in the following manner to verify adequate drainage.
A) Dig each planting pit to the minimum specified size.
B) Fill the planting pit with (12") twelve inches of water. If the water level in the planting pit drops (4") four or more inches within (4) four hours, the drainage is sufficient and a drainage channel is not required. If the water level drops less than (4") four inches within the (4) four hour period, then a drainage channel is required.
C) When a drainage channel is required, the drainage channel must extend down through the non porous soil and into porous soil. (See Drainage Testing Detail)
D) Discard all material removed from the drainage channel.
E) When backfilling the planting pit, add course gravel to the drainage channel. Also, care must be taken to keep the consistency of the soil mix the same throughout the planting pit.

NOTE:
Contractor to include drainage testing for all trees and palms in bid. If drainage is inadequate, the soil specification in item #8 above shall be revised for site conditions. Contractor shall notify the Owner and Landscape Architect of poor drainage conditions in writing and written direction will be provided to the contractor of appropriate soil mixture specification to be used.

General Notes

1. No plant substitutions can be made without City of Stuart approval.
2. All required landscape improvements must be inspected and approved by the City of Stuart prior to the issuance of a Certificate of Occupancy.
3. Any existing landscaping, sod, or irrigation damaged or destroyed during the construction shall be replaced prior to the final inspection.
4. All prohibited, exotic and invasive species shall be removed from the entire site prior to issuance of certificate of occupancy.
5. All planting areas and sod to be irrigated to provide 100% coverage and provide adequate irrigation of landscape areas for the first full growing season and continue thereafter only as necessary to maintain required vegetation in good and healthy condition. Shop drawings to be submitted by the irrigation contractor for approval prior to installation.
6. The irrigation system shall be continuously maintained in working order.
7. An automatic Rain sensor shall be placed on-site as part of the required irrigation system,
8. Planting adjacent to fire hydrants is to have a minimum clear radius of 7.5' as required by the NFPA Uniform Fire Code Florida Edition 18.3.4.1 Hydrants. All fire hydrants and fire check valves shall have a minimum of 7.5' from the front and sides with 4' from the rear to all landscape material per the Florida Fire Prevention Code.
9. Sod and irrigation will be installed in any adjacent right-of-way, between walks and curbs.
10. Root barriers shall be installed in accordance with manufacturer specifications adjacent to all trees planted within six feet of curbs or sidewalks in public right-of-way.

Landscape Details



(5) 2" x 4" x 18" wood battens to be evenly spaced around trunk of tree. A minimum of (5) five wraps of burlap are to be placed under the battens to prevent marring or damage to the trunk. The height of the battens shall be located in relation to the height of the tree for adequate bracing. No batten is to be nailed to the tree. Battens are to be banded with a minimum of (2) two 3/4" high carbon steel bands.

Minimum of (3) three 4" x 4" wood braces evenly spaced around tree to be toe nailed to wood battens. Attach florescent safety flags a min. of 12" in length to each wood brace.

Planting depth shall be 10% less than the height of the root ball from the Flair Root. Diameter of hole to be three times the size of root ball minimum. Plant top of root ball at 2" minimum above the finished grade elevation.

Form a mulch berm with 3" minimum depth and no more than 4" high. Mulch to edge of rootball, but leave top of rootball exposed.

Remove burlap or steel cage from top 1/3 of root ball (If applicable).

Finished Grade

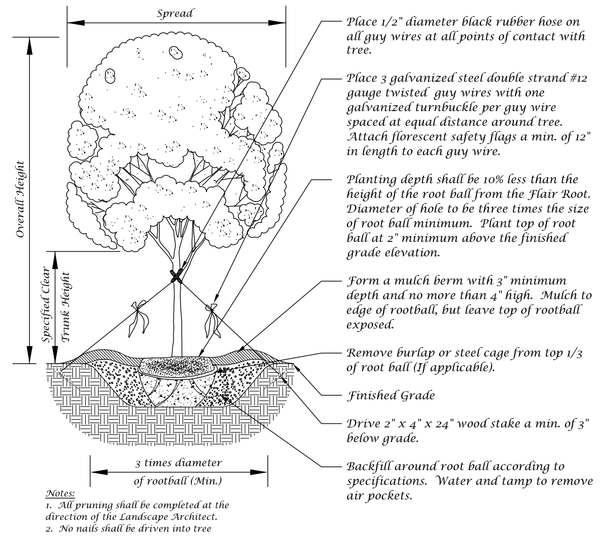
Drive 2" x 4" x 24" wood stake a min. of 3" below grade.

Backfill around root ball according to specifications. Water and tamp to remove air pockets.

Notes:
1. All pruning shall be completed at the direction of the Landscape Architect.
2. No nails shall be driven into tree

Large Tree Planting Detail (5" Caliper or Greater)

Not to Scale



Place 1/2" diameter black rubber hose on all guy wires at all points of contact with tree.

Place 3 galvanized steel double strand #12 gauge twisted guy wires with one galvanized turnbuckle per guy wire spaced at equal distance around tree. Attach florescent safety flags a min. of 12" in length to each guy wire.

Planting depth shall be 10% less than the height of the root ball from the Flair Root. Diameter of hole to be three times the size of root ball minimum. Plant top of root ball at 2" minimum above the finished grade elevation.

Form a mulch berm with 3" minimum depth and no more than 4" high. Mulch to edge of rootball, but leave top of rootball exposed.

Remove burlap or steel cage from top 1/3 of root ball (If applicable).

Finished Grade

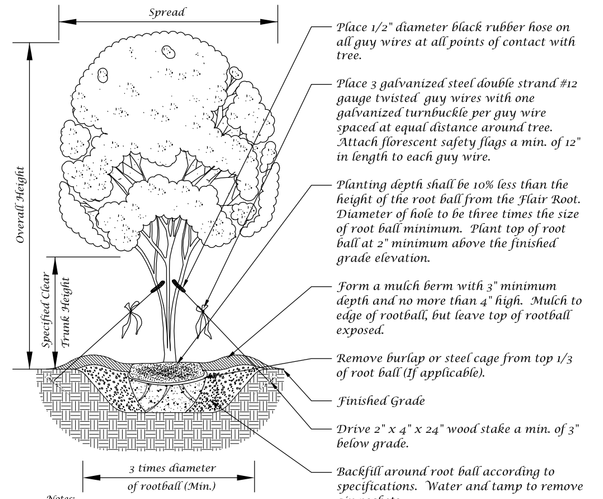
Drive 2" x 4" x 24" wood stake a min. of 3" below grade.

Backfill around root ball according to specifications. Water and tamp to remove air pockets.

Notes:
1. All pruning shall be completed at the direction of the Landscape Architect.
2. No nails shall be driven into tree

Tree Planting Detail

Not to Scale



Place 1/2" diameter black rubber hose on all guy wires at all points of contact with tree.

Place 3 galvanized steel double strand #12 gauge twisted guy wires with one galvanized turnbuckle per guy wire spaced at equal distance around tree. Attach florescent safety flags a min. of 12" in length to each guy wire.

Planting depth shall be 10% less than the height of the root ball from the Flair Root. Diameter of hole to be three times the size of root ball minimum. Plant top of root ball at 2" minimum above the finished grade elevation.

Form a mulch berm with 3" minimum depth and no more than 4" high. Mulch to edge of rootball, but leave top of rootball exposed.

Remove burlap or steel cage from top 1/3 of root ball (If applicable).

Finished Grade

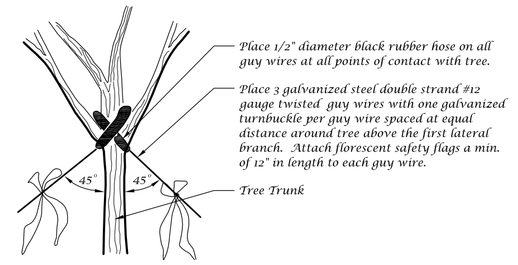
Drive 2" x 4" x 24" wood stake a min. of 3" below grade.

Backfill around root ball according to specifications. Water and tamp to remove air pockets.

Notes:
1. All pruning shall be completed at the direction of the Landscape Architect.
2. No nails shall be driven into tree

Multi-Trunk Tree Planting Detail

Not to Scale



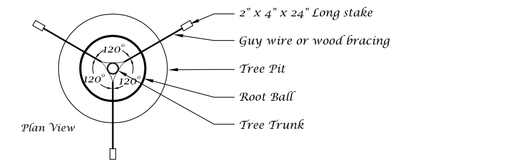
Place 1/2" diameter black rubber hose on all guy wires at all points of contact with tree.

Place 3 galvanized steel double strand #12 gauge twisted guy wires with one galvanized turnbuckle per guy wire spaced at equal distance around tree above the first lateral branch. Attach florescent safety flags a min. of 12" in length to each guy wire.

Tree Trunk

Guy Wire Attachment Detail

Not to Scale



2" x 4" x 24" Long stake

Guy wire or wood bracing

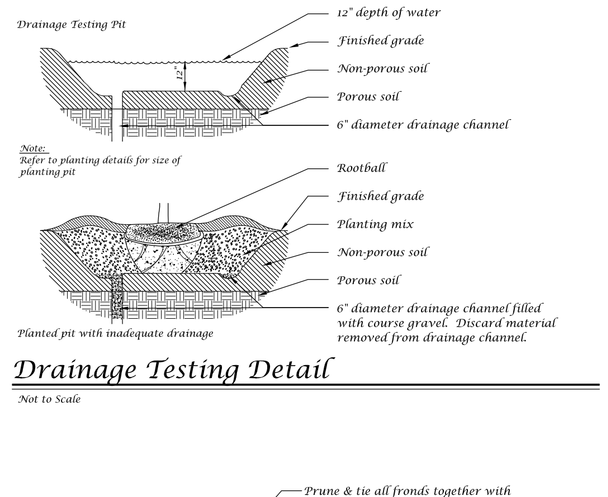
Tree Pit

Root Ball

Tree Trunk

Staking Detail

Not to Scale



12" depth of water

Finished grade

Non-porous soil

Porous soil

6" diameter drainage channel

Note:
Refer to planting details for size of planting pit

Rootball

Finished grade

Planting mix

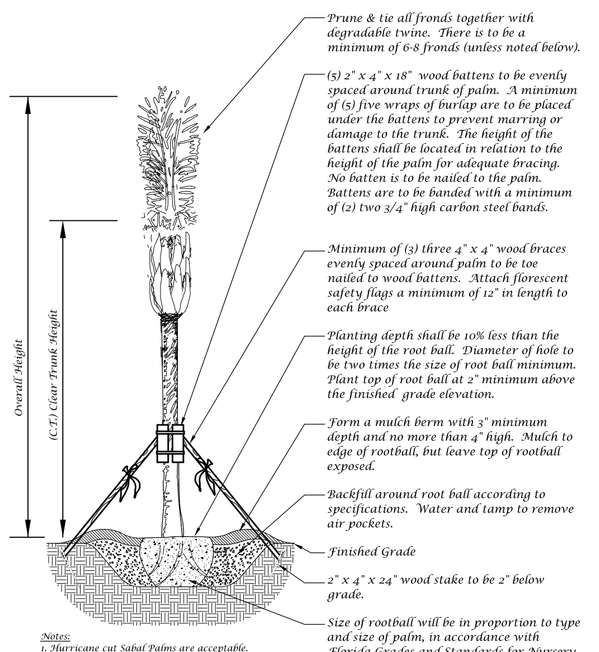
Non-porous soil

Porous soil

6" diameter drainage channel filled with course gravel. Discard material removed from drainage channel.

Drainage Testing Detail

Not to Scale



Prune & tie all fronds together with degradable twine. There is to be a minimum of 6-8 fronds (unless noted below).

(5) 2" x 4" x 18" wood battens to be evenly spaced around trunk of palm. A minimum of (5) five wraps of burlap are to be placed under the battens to prevent marring or damage to the trunk. The height of the battens shall be located in relation to the height of the palm for adequate bracing. No batten is to be nailed to the palm. Battens are to be banded with a minimum of (2) two 3/4" high carbon steel bands.

Minimum of (3) three 4" x 4" wood braces evenly spaced around palm to be toe nailed to wood battens. Attach florescent safety flags a minimum of 12" in length to each brace

Planting depth shall be 10% less than the height of the root ball. Diameter of hole to be two times the size of root ball minimum. Plant top of root ball at 2" minimum above the finished grade elevation.

Form a mulch berm with 3" minimum depth and no more than 4" high. Mulch to edge of rootball, but leave top of rootball exposed.

Backfill around root ball according to specifications. Water and tamp to remove air pockets.

Finished Grade

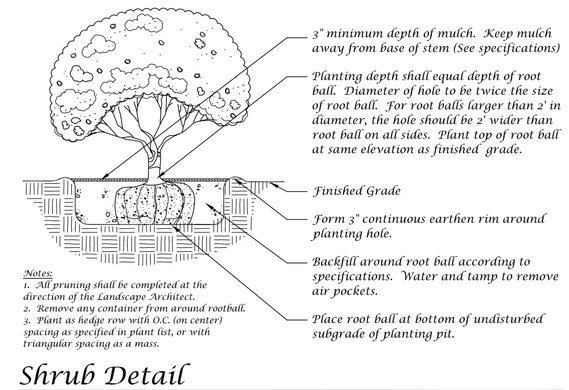
2" x 4" x 24" wood stake to be 2" below grade.

Size of rootball will be in proportion to type and size of palm, in accordance with Florida Grades and Standards for Nursery Plants Part I & II Latest Edition.

Notes:
1. Hurricane cut Sabal Palms are acceptable.
2. All Washingtonia and Sabal Palms to be booted unless otherwise noted in plant list.
3. Palms with burned or marred trunks will not be accepted.

Palm Planting Detail

Not to Scale



3" minimum depth of mulch. Keep mulch away from base of stem (See specifications)

Planting depth shall equal depth of root ball. Diameter of hole to be twice the size of root ball for root balls larger than 2' in diameter, the hole should be 2' wider than root ball on all sides. Plant top of root ball at same elevation as finished grade.

Finished Grade

Form 3" continuous earthen rim around planting hole.

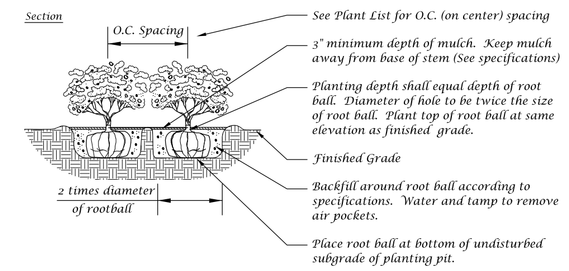
Backfill around root ball according to specifications. Water and tamp to remove air pockets.

Place root ball at bottom of undisturbed subgrade of planting pit.

Notes:
1. All pruning shall be completed at the direction of the Landscape Architect.
2. Remove any container from around rootball.
3. Plant as hedge row with O.C. (on center) spacing as specified in plant list, or with triangular spacing as a mass.

Shrub Detail

Not to Scale



See Plant List for O.C. (on center) spacing

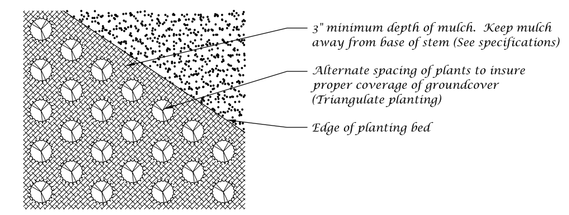
3" minimum depth of mulch. Keep mulch away from base of stem (See specifications)

Planting depth shall equal depth of root ball. Diameter of hole to be twice the size of root ball. Plant top of root ball at same elevation as finished grade.

Finished Grade

Backfill around root ball according to specifications. Water and tamp to remove air pockets.

Place root ball at bottom of undisturbed subgrade of planting pit.



3" minimum depth of mulch. Keep mulch away from base of stem (See specifications)

Alternate spacing of plants to insure proper coverage of groundcover (Triangulate planting)

Edge of planting bed

Ground Cover Detail

Not to Scale

Landscape Plan

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Landscape Architecture - Site Planning
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(772) 344-2349
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Sailfish Cove
City of Stuart, Florida

Job No. 19-1002
Drawn By JWS
Submittal Dates 5-21-2020

Revision Dates

These drawings are the property of the landscape architect and are not to be used for other projects except by written permission from the landscape architect. Report any discrepancies immediately to the landscape architect.