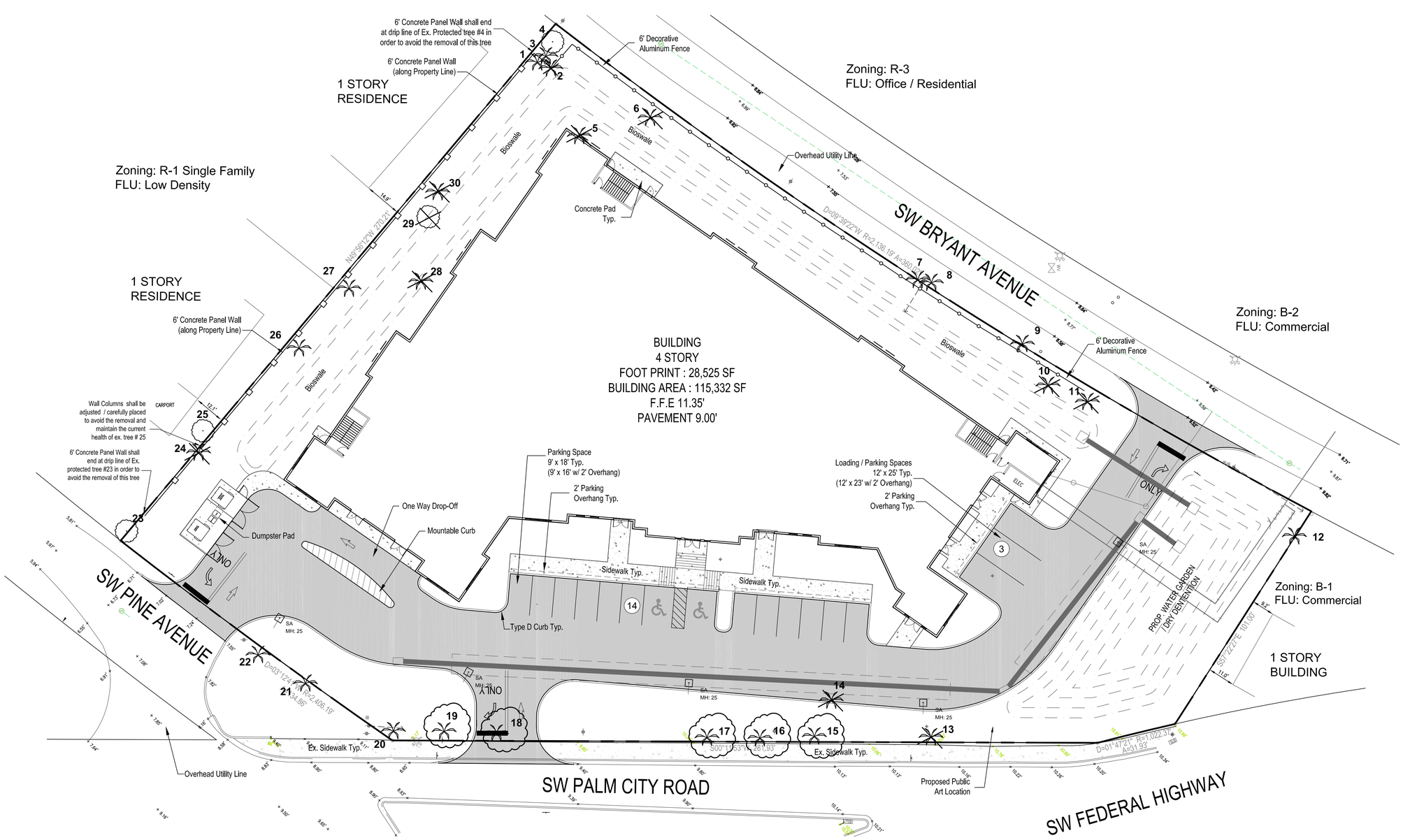



## Existing Tree Chart

| Tree # | Common Name | Size | Comment | Protected | Status |
|---|---|---|---|---|---|
| 1 | Cabbage Palm | 15' ct | | No | Preserve |
| 2 | Cabbage Palm | 20' ct | | No | Remove |
| 3 | Cabbage Palm | 13'ct | | No | Preserve |
| 4 | Gumbo Limbo | 15" Combined DBH | multi-trunk | Yes | Preserve |
| 5 | Cabbage Palm | 17' - 18' ct. | | No | Remove |
| 6 | Cabbage Palm | 17' - 18' ct. | | No | Remove |
| 7 | Cabbage Palm | 10' ct. | | No | Preserve |
| 8 | Cabbage Palm | 10' ct. | | No | Preserve |
| 9 | Cabbage Palm | 10' ct. | | No | Preserve |
| 10 | Cabbage Palm | 16' ct. | | No | Remove |
| 11 | Cabbage Palm | 16' ct. | | No | Remove |
| 12 | Cabbage Palm | 8'-10' ct. | | No | Preserve |
| 13 | Christmas Palm | 8'-10' ct. | Triple | No | Remove |
| 14 | Christmas Palm | 6'-8' ct. | Triple | No | Remove |
| 15 | Royal Palm | 15' GW | | No | Relocate |
| 16 | Royal Palm | 12'- 13' GW | | No | Relocate |
| 17 | Royal Palm | 15' GW | | No | Relocate |
| 18 | Royal Palm | 15' GW | | No | Relocate |
| 19 | Royal Palm | 15' GW | | No | Relocate |
| 20 | Royal Palm | 15' GW | | No | Preserve |
| 21 | Royal Palm | 12'- 13' GW | | No | Preserve |
| 22 | Royal Palm | 15' GW | | No | Preserve |
| 23 | Live Oak | 10" DBH | Off-site | Yes | Preserve |
| 24 | Cabbage Palm | 10' ct. | | No | Remove |
| 25 | Live Oak | 27" DBH | Off-site | Yes | Preserve |
| 26 | Cabage Palm | 9" DBH | | No | Preserve |
| 27 | Cabage Palm | 17" DBH | | No | Preserve |
| 28 | Cabage Palm | 11" DBH | | No | Remove |
| 29 | Scrub Oak | 40" Combined DBH | multi-trunk shrub | No | Remove |
| 30 | Cabage Palm | 10' ct. | | No | Remove |

## Legend

Existing Trees to be Preserved

Existing Trees to be Removed

Existing Palm Trees to be Relocated (5 - Royal Palms)

* Note: See Existng Tree Chart for more information

Scale: 1" = 20'

0' 10' 20' 40' 60'

North


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# Safe & Secure Self-Storage at Stuart

Florida

City of Stuart

Existing Tree / Removal Plan


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Job No. 17045
Drawn By TT
Checked By MH
Approved By MH
Submittal Dates 06-4-18
09-12-18
Revision Dates 09-26-18

LP-1

# Landscape Data

| | | |
|---|---|---|
| Total Site Area | (80,332 SF) | 1.85 Ac. |
| Landscape Area Required (20%) | | 0.37 Ac. |
| Landscape Area Provided (41%) | | 0.76 Ac. |

## 1 Tree per 2,500 sf of Development site ( Min. 50% Shade Trees)

| | |
|---|---|
| Development Site | 80,332 sf (1.85 Ac.) |
| Total Trees Required (80,332 sf / 2,500 sf) | 33 Total Trees |
| Shade Trees Required (33 Req. Trees x 50%) | 17 Trees |
| Total Trees Provided | 85 Total Trees (44 Trees + 64 Palms @ 2:1 + 6 Palms @1:1 + 1 Ex. Tree + 5 Ex. Palms @ 2:1 + 6 Ex. / Relocated Palms at 1:1) |
| Shade Trees Provided | 45 Trees |

## Perimeter Landscaping Adjacent to Streets

10' Min. Landscape Buffer- 1 Tree per 30 LF and perimeter hedge required. Not less than 25% of strip shall be groundcover.

SW Palm City Road:

| | |
|---|---|
| Trees Required: (313 LF / 30 ) | = 11 Trees |
| Trees Provided: | = 14 Trees (3 Trees + 8 Palms @ 2:1 + 7 Palms @ 1:1) |

SW Pine Avenue:

| | |
|---|---|
| Trees Required: ( 135 LF / 30 ) | = 5 Trees |
| Trees Provided: | = 6 Trees (2 Trees + 3 Palms @ 2:1 + 3 Palms @ 1:1) |

SW Bryant Avenue:

| | |
|---|---|
| Trees Required: ( 338 LF / 30 ) | = 12 Trees |
| Trees Provided: | = 24 Trees (13 Trees + 23 Palms @ 2:1) |

## Transitional Landscape Buffers (development Incompatibility)

One Tree Per 30 LF. Buffer shall include a buffer screen the width of which is 25 percent of the width of the required buffer. The buffer screen shall include a six-foot high wall or fence with five-foot wide landscape area located along the property line. Where a proposed non-residential development will abut a residential development,the five-foot wide landscape area shall be located outside the six-foot high wall or fence.
Sec. 6.04.06 B (4) - No Structure, mechanical equipment, trash receptacles, parking area or internal driveways shall be located in the common boundary buffer within 15 feet of the property line.

South Boundary: - Abutting Single family

| | |
|---|---|
| Required Buffer Width : | 55' ( 25' + 10' for each additional bldg. story) |
| Provided Buffer Width : | 30' |
| Required Buffer Screen : | 13.75 ' ( 55' Buffer width x 25%) |
| Provided Buffer Screen : | 15' - 30' |
| Total Linear Feet : | 270' |
| Trees Required: (270 LF / 30 ) | = 9 Trees |
| Trees Provided: | = 21 Trees (10 Trees + 1 Ex. Tree + 4 Ex. Palms @ 2:1 + 17 Palms @2:1) |

## Perimeter Landscaping Adjacent to Private Property:

5' Min. Landscape Buffer - 1 Tree per 30 LF and perimeter hedge required. Not less than 25% of strip shall be groundcover.

Along North Property Line (Commercial):

| | |
|---|---|
| Trees Required: ( 101 LF / 30 ) | = 4 Trees |
| Trees Provided: | = 10 Trees (7 Trees + 1 Ex. Palms @ 2:1 + 5 Palms @ 2:1) |

## Interior Landscaping around Perimeter of Building:

A 5' min. landscape strip shall be provided along all sides of the building which abut a parking area. This strip shall contain 1 Tree per 30 LF and hedge.

| | |
|---|---|
| Trees Required: ( 364 LF / 30 ) | = 12 Trees |
| Trees Provided: | = 12 Trees (4 Trees + 2 Palms @ 1:1 + 12 Palms @ 2:1) |

## Interior Landscaped Islands:

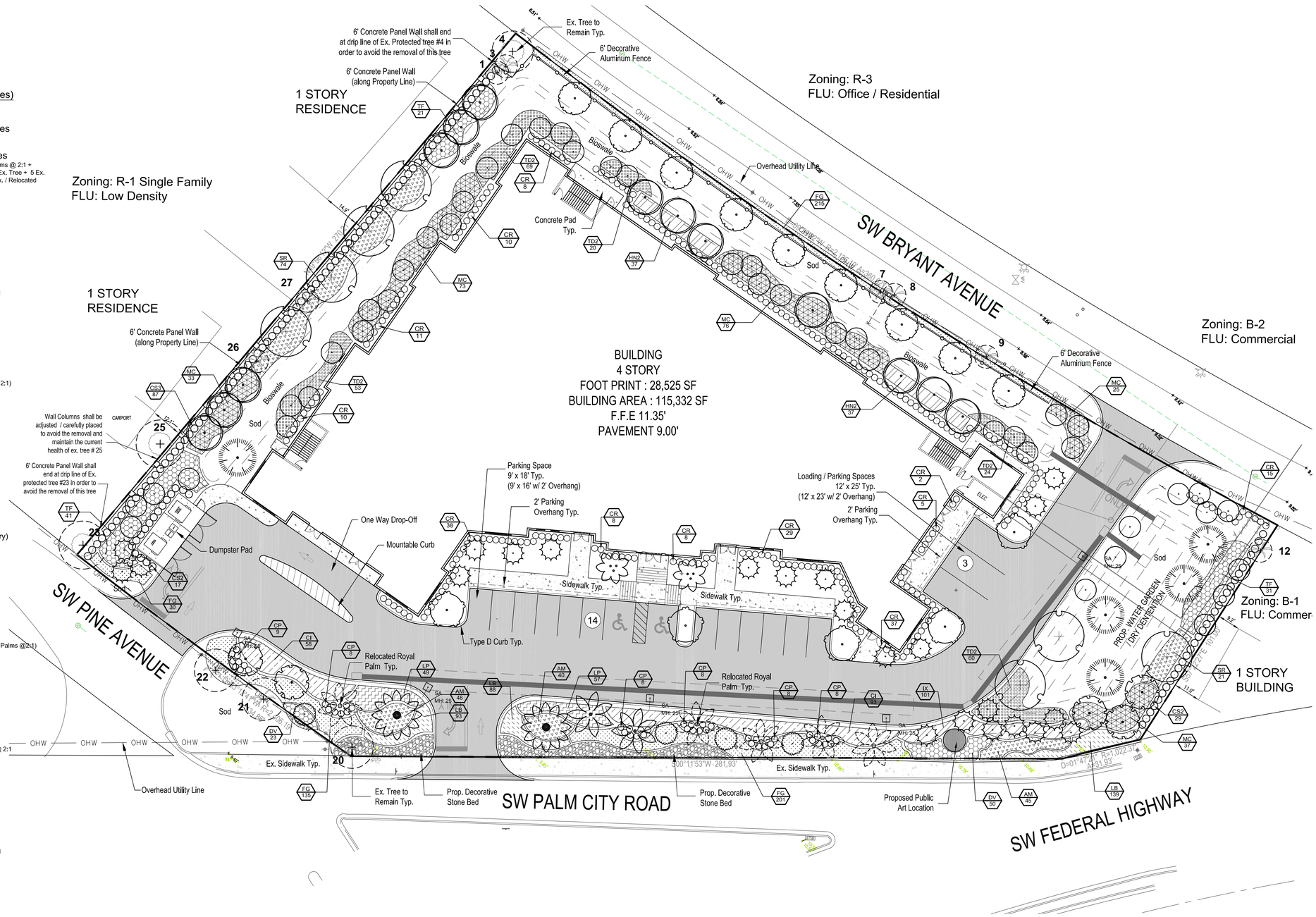
Each interior island shall contain a min. of 1 shade tree and a combination of shrubs, ground cover, grass and mulch. Hedge material used must be maintained at a max. height of 24".

| | |
|---|---|
| Trees Required: | = 1 Tree |
| Trees Provided: | = 1 Tree |

## Interior Terminal Landscaped Islands:

Each interior island shall contain a min. of 1 shade tree and a combination of shrubs, ground cover, grass and mulch. Hedge material used must be maintained at a max. height of 24".

| | |
|---|---|
| Trees Required: | = 4 Trees |
| Trees Provided: | = 4 Trees |




## Legend

Existing Trees to be Preserved

Relocated Palm Trees (5 - Royal Palms)

* Note: See Existng Tree Chart on sheet LP-1 for more information

Scale: 1" = 20'

0' 10' 20' 40' 60'

North


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# Safe & Secure Self-Storage at Stuart

Florida

City of Stuart

Landscape Plan


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| | |
|---|---|
| Job No. | 17045 |
| Drawn By | TT |
| Checked By | MH |
| Approved By | MH |
| Submittal Dates | 06-4-18 |
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| Revision Dates | 09-26-18 |

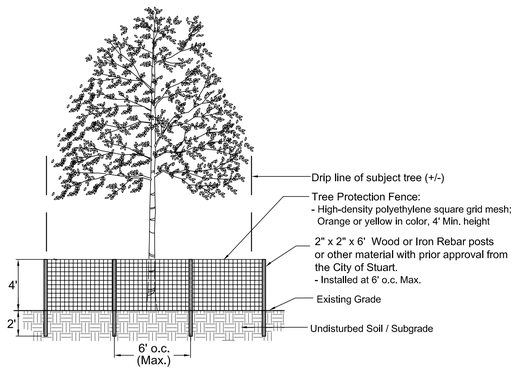
LP-2

## TREE SCHEDULE

| TREES | QTY | COMMON NAME / BOTANICAL NAME | SIZE | NATIVE |
|---|---|---|---|---|
| | 13 | Green Buttonwood / Conocarpus erectus | 12` HT. x 6` Spr. Min, | Yes |
| | 5 | Japanese Blueberry Tree / Elaeocarpus decipiens TM | 12` HT. x 6` Spr. Min, | No |
| | 5 | Crape Myrtle / Lagerstroemia indica ` Muskogee ` | 12` HT. x 6` Spr. Min, | No |
| | 9 | Crape Myrtle Coral Pink / Lagerstroemia x `Tuscarora` | 12` HT. x 6` Spr. Min, | No |
| | 4 | Japanese Privet / Ligustrum japonicum | 8` - 9` Ht. x 8` - 9` Spr., Multi-trunk, 4` ct. | No |
| | 7 | Southern Live Oak / Quercus virginiana | 12` HT. x 6` Spr. Min, | Yes |
| | 5 | Bald Cypress / Taxodium distichum | 12` HT. x 6` Spr. Min, | Yes |
| PALM TREES | QTY | COMMON NAME / BOTANICAL NAME | SIZE | NATIVE |
| | 2 | Silver Bismark Palm / Bismarckia nobilis `Silver`<br>1:1 ratio | 10` CT Min. | No |
| | 2 | Alexander Palm / Ptychosperma elegans<br>1:1 ratio | 10` ct. Min., Triple Specimen | No |
| | 2 | Royal Palm / Roystonea regia<br>1:1 ratio | 10` CT Min. | Yes |
| | 45 | Cabbage Palm / Sabal palmetto<br>2:1 ratio | 10` CT Min. | Yes |
| | 23 | Mexican Fan Palm / Washingtonia robusta<br>2:1 ratio | 10` CT Min. | No |

## SHRUB SCHEDULE

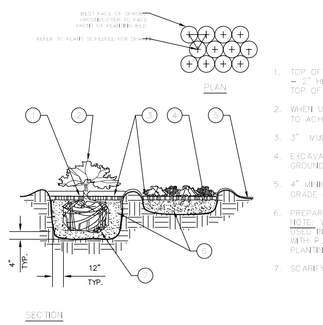
| SHRUBS | QTY | COMMON NAME / BOTANICAL NAME | SIZE | DETAILS | NATIVE | SPACING |
|---|---|---|---|---|---|---|
| CR | 266 | Red Tip Cocoplum / Chrysobalanus icaco `Red Tip` | 3 gal | 20 - 24" HT., FULL | Yes | 30" o.c. |
| CS2 | 48 | Small-Leaf Clusia / Clusia guttifera | 3 gal | 20 - 24" HT., FULL | Yes | 36" o.c. |
| CS3 | 85 | Small-Leaf Clusia / Clusia guttifera | 7 gal | 36" - 42" Ht., Full | Yes | 36" o.c. |
| | | | | | | |
| ACCENT | QTY | COMMON NAME / BOTANICAL NAME | SIZE | DETAILS | NATIVE | SPACING |
| CP | 49 | Bravo Croton / Codiaeum variegatum `Petra` | 3 gal | 18" - 24" Ht., Full | | 30" o.c. |
| | | | | | | |
| SHRUBS / GROUND COVERS | QTY | COMMON NAME / BOTANICAL NAME | SIZE | DETAILS | NATIVE | SPACING |
| AM | 133 | Foxtail Fern / Asparagus meyeri | 3 gal | * Full pot | No | 24" o.c. |
| CI | 151 | Coco Plum / Chrysobalanus icaco | 3 gal | 20" -24" Ht., Full | Yes | 30" o.c. |
| DV | 73 | Variegated Flax Lily / Dainellia tasmanica `Variegata` | 3 gal | Full | No | 24" o.c. |
| FG | 581 | Green Island Ficus / Ficus microcarpa `Green Island` | 3 gal | Full | Yes | 24" o.c. |
| HN2 | 74 | Dwarf Firebush / Hamelia nodosa | 3 gal | Full | Yes | 30" o.c. |
| IX | 101 | Red Ixora / Ixora coccinea `Maui Red` | 3 gal | Full | No | 24" o.c. |
| LB | 320 | Big Blue Lilyturf / Liriope muscari `Big Blue` | 1 gal | * Full pot | No | 16" o.c. |
| LP | 106 | Purple Leaf Fringe Flower / Loropetalum chinense rubrum `Plum Delight` TM | 3 gal | Full | No | 24" o.c. |
| MC | 244 | Pink Muhly / Muhlenbergia capillaris | 1 gal | Full | Yes | 36" o.c. |
| SR | 95 | Saw Palmetto / Serenoa repens | 1 gal | Full | Yes | 36" o.c. |
| TF | 93 | Fakahatchee Grass / Tripsacum dactyloides | 1 gal | Full | Yes | 42" o.c. |
| TD2 | 226 | Dwarf Fakahatchee / Tripsacum floridanum | 1 gal | Full | Yes | 30" o.c. |




Tree Barricade Detail
N.T.S.

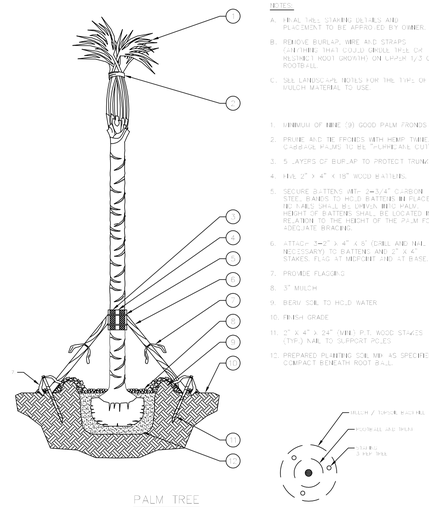
### Tree Protection Notes

1. Existing trees that are to be preserved shall be barricaded according to the City's regulations.
2. Tree Protection Barricades shall be erected prior to the commencement of any work. All barricades must be maintained intact for the duration of construction.
3. Barricades must be constructed around the critical protection zone of each tree or cluster of trees.
4. During periods of development and construction, the areas within the drip–line of preserved trees shall be maintained at their original grade with pervious landscape material. Within these areas, there shall be:
   A. No trenching or cutting of roots
   B. No fill, compaction or removal of soil; and
   C. No use of concrete, paint, chemicals or other foreign substances
5. Barricades shall be constructed of a yellow or orange high density polyethylene square grid mesh fence with a min. height of 4 feet. Fencing shall be secured to posts with nylon cable ties at the top middle and bottom of each post. Posts shall be a 2"x 2" x 6' wood or iron rebar or other material with prior approval from The City of Stuart. Posts shall be spaced a max. of 6' o.c.



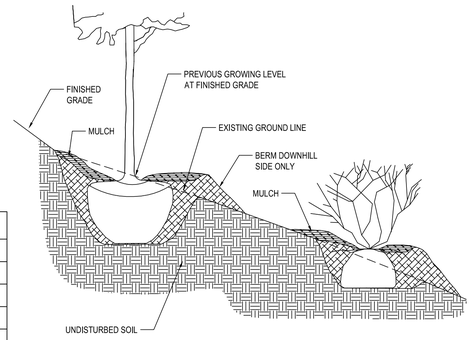

1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" – 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
2. WHEN USED IN MASSES– PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASS/HEIGHT.
3. 3" MULCH AS SPECIFIED.
4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
5. 4" MINIMUM OF TOPSOIL TO BRING TO FINISHED GRADE (SEE GRADING PLAN).
6. PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHEN GROUND– COVERS AND SHRUBS USED IN MASSES ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED IN THE PLANTING SPECIFICATION.
7. SCARIFY ROOTBALL SIDES AND BOTTOM.

SHRUB/GROUNDCOVER PLANTING

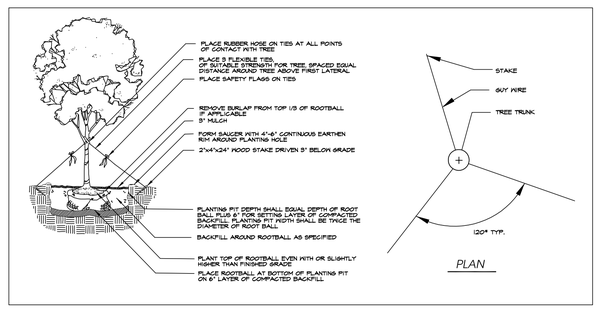



PALM TREE PLANTING

PLAN




PLANTING ON SLOPE
N.T.S.




TREE PLANTING DETAIL
N.T.S.

## Landscape Notes

1. Plant materials used in conformance with the provisions of this landscape code shall conform to the Standards for Florida No. 1 or better as given in "Grades and Standards for Nursery Plants" Part I and Part II, 1963, State of Florida, Department of Agriculture, Tallahassee.
2. Trees of species whose canopy could be damaged by or could cause damage to overhead power lines shall not be planted closer than a horizontal distance from overhead power lines of 30 feet for large-sized trees and 20 feet for medium-sized trees.
3. Plantings near pad mounted transformers shall not restrict access to or maintenance of the transformer, and a five-foot clearance is recommended.
4. Ground cover used in lieu of grass shall be planted so as to present a finished appearance and reasonable complete coverage within three months of installation. All landscaped areas shall be sodded or otherwise covered with ground cover.
5. All required landscaping installed pursuant to this landscape code shall be installed according to accepted good planting practices.
6. All irrigation systems shall be designed, installed and maintained in such a manner as not to be a nuisance to adjacent properties and uses and to the general public.
7. All irrigation systems shall include a "rain switch" to monitor rain levels and irrigation needs.
8. Xeriscape areas must have a readily available water supply to provide temporary irrigation until plantings are established.
9. All native vegetation which is not located in areas requiring their removal as reflected by an approved plan document shall be retained in an undisturbed state as provided in Chapter V, Resource Protection Related Development Standards.
10. All prohibited, exotic, and invasive species shall be removed from the entire site prior to the issuance of a certificate of occupancy.
11. Mulch shall be installed in all planting areas to a minimum depth of two to three inches.
12. All landscaping within a visibility triangle shall provide unobstructed cross-visibility at a level between three feet and six feet and shall comply with the most current edition of the State of Florida DOT Roadway and Traffic Design Standards, Index 546 regarding visibility triangles.
13. All walls and fences shall be maintained in good condition so as to present a neat and orderly appearance and shall be kept free from graffiti.
14. Any hedge materials located within an interior landscaped island shall be maintained at a height of not more than 24 inches.
15. To assure the health and survival of protected trees that are not to be removed, the contractor shall avoid the following kinds of tree injuries during all development activities: a. Mechanical injuries to roots, trunk, and branches; b. Injuries by chemical poisoning; c. Injuries by grade changes; d. Injuries by excavations, fill and; e. Injuries by paving.
16. Prior to any land preparation or other development activities a protective barrier easily visible to equipment operators shall be placed around all protected trees so as to encompass the entire tree protection zone.
17. No attachment, wires (other than supportive wires), signs or permits may be fastened to any protected tree.
18. No equipment, construction materials or debris of any kind shall be placed within the protective barrier.


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City of Stuart Florida

Landscape Specifications


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| Checked By | MH |
| Approved By | MH |
| Submittal Dates | 06-4-18 |
| | 09-12-18 |
| Revision Dates | 09-26-18 |

LP-3