

LANDSCAPE MATERIAL STANDARDS & NOTES

(1) QUALITY. PLANT MATERIALS USED SHALL CONFORM TO THE STANDARDS FOR FLORIDA NO. 1 OR BETTER, AS GIVEN IN THE MOST CURRENT EDITION OF "GRADES AND STANDARDS FOR NURSERY PLANTS" PART I AND PART II, STATE OF FLORIDA. (2) DROUGHT TOLERANCE REQUIREMENTS. A MINIMUM OF FIFTY (50) PERCENT OF TOTAL CUMULATIVE LANDSCAPE PLANT MATERIAL USED TO MEET THE PROVISIONS OF THE I.R.C. L.D.R., CHAPT. 926, SHALL BE "VERY DROUGHT TOLERANT," AS CLASSIFIED AND LISTED IN THE MOST RECENT EDITION OF THE "SOUTH FLORIDA"

WATER MANAGEMENT DISTRICT XERISCAPE PLANT GUIDE." (A) CANOPY TREES SHALL BE SPECIES HAVING AN AVERAGE MATURE SPREAD OF CROWN GREATER THAN FIFTEEN (15) (B) PALMS SHALL BE CONSIDERED 1/3 OF A CANOPY TREE AND, IF USED, THEY SHALL CONSIST OF NO MORE 1/3 OR 33% OF THE TOTAL NEW TREE REQUIREMENT. ADDITIONALLY, 3 PALMS = 1 CANOPY TREE.

PALM TREES MUST HAVE AT LEAST 12 FEET OF CLEAR WOOD AT TIME OF PLANTING. (C) TREE SPECIES SHALL BE A MINIMUM OF TWELVE (12) FEET OVERALL IN HEIGHT AND TWO (2) INCH CALIPER AT THE TIME OF PLANTING.

(D) AT LEAST FIFTY (50) PERCENT OF ALL NEW REQUIRED TREES SHALL BE OF A NATIVE SPECIES, AND AT LEAST 50% OF ALL TREES SHALL BE RATED "VERY DROUGHT TOLERANT." (4) GRASS. GRASS AREAS MAY BE SODDED, PLUGGED, SPRIGGED OR SEEDED, EXCEPT THAT SOLID SOD SHALL BE USED IN SWALES OR OTHER AREAS SUBJECT TO EROSION. SEED, WHERE USED, SHALL BE OF A VARIETY THAT

WILL PRODUCE COVERAGE WITHIN NINETY (90) DAYS FROM SOWING. SOD TO BE ZOYSIA ONLY PER WAWA. (A) 50% OF ALL SHRUBS & HEDGES SHALL BE RATED "VERY DROUGHT TOLERANT" (B) SHRUBS SHALL BE A MIN. OF 18" AT PLANTING.
(C) HEDGES SHALL BE PLANTED AT A MIN. OF 30" O.C.

D) HEDGES TO BE 3' TALL AT PLANTING. (6) IRRIGATION USAGE ZONES SHALL BE AS FOLLOWS (A) GRASS AREA SHALL BE IN HIGH USAGE ZONES

(B) TREES & SHRUBS SHALL BE IN LOW USAGE ZONES. (7) IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A MOISTURE SENSING CONTROLLER (8) THERE SHALL BE SIX (6) DIFFERENT SPECIES OF TREES USED, PER

I.R.C. ORDINANCE, CHAPT. 926.

(9) THE CONTRACTOR SHALL ATTEMPT TO PRESERVE AS MANY EXISTING TREES AS POSSIBLE AND FEASIBLE. TREES THAT ARE PRESERVED MAY BE CREDITED TOWARDS THE SITE TREE REQUIREMENT IF THEY MEET THE ABOVE SPECIFICATIONS. (10) THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF TREES AND SIGNS SUCH THAT ALL SIGNAGE IS EASILY SEEN FOR ITS INTENDED PURPOSE. TREE PLACEMENT MAY VARY FROM THIS PLAN TO ACHIEVE THIS REQUIREMENT. (11) ALL LANDSCAPE ISLANDS MUST BE BERMED. 12) ANY LANDSCAPE MATERIAL IN SHOCK MUST BE REPLACED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY. (13) A MIN. OF 9 SPECIES OF SHRUBS ARE REQUIRED, OF WHICH AT LEAST 6 SPECIES MUST BE NATIVE. 14) TURF GRASS SHALL BE LIMITED TO A MAX. 50% OF TOTAL IRRIGATED, LANDSCAPED AND VEGETATED PROJECT AREA, EXCLUDING R/W, ACTIVE RECREATION AREAS AND SLOPES WITHIN DRY RETENTION AREAS. (15) THE LANDSCAPE PLAN MUST INCLUDE A CERTIFICATION THAT THE PROJECT'S IRRIGATION SYSTEM WILL COMPLY WITH SECTION 926.11 REQUIREMENTS AS WELL AS ANY WATER USE RESTRICTIONS BY SJRWMD.

(16) ROOT BARRIERS ARE REQUIRED FOR CANOPY TREES WITHIN 6' OF A SIDEWALK, PARKING AREA, DRIVEWAY OR STRUCTURE.

SYN	MBOL	AMOUNT	BOTANICAL NAME	COMMON NAME	SIZE	HGT	OTHER	NATIVE	DROUGH TOLERAN
	202	9	Quercus virginiana 'Highrise'	LIVE OAK	4" DIA 6" AG	18'	6' SPREAD	YES	YES
	رابلا	18	Lagerstroemia indica	RED CRAPE MYRTLE	2" DIA 6" AG	12'	6' SPREAD	YES	YES
- CONTRACTOR OF THE CONTRACTOR		13	Roystonea regia	ROYAL PALM	10' CLEAR TRUNK	12'	6' SPREAD	YES	YES
×	1777m	13	Magnolia grandiflora	SOUTHERN MAGNOLIA	2" DIA 6" AG	12'	6' SPREAD	YES	YES
-VV		20	llex attenuata 'Eagleston'	EAST PALATKA HOLLY	2" DIA 6" AG	12'	6' SPREAD	YES	YES
彩		13	Myrica cerifera	WAX MYRTLE	2" DIA 6" AG	12'	6' SPREAD	YES	YES
141-	⊗	65	Conocarpus erectus Myrica cerifera	SILVER BUTTONWOOD WAX MYRTLE	1.5" DIA 6" AG	6'	3' CLR / 5' SPREAD	YES	YES
0000	<b>3</b> OVB	449	Chrysobalanus icaco	COCO PLUM	-	24"	30" O.C.	YES	YES
	CHR	36	Chrysoblanus icaco 'Red Tip'	RED TIP COCOPLUM	-	12"	30" O.C.	YES	YES
	FOR	36	llex vomitoria	YAPOON HOLLY	-	12"	30" O.C.	YES	YES
	НАМ	36	Hamelia patens	FIREBUSH	-	12"	30" O.C.	YES	NO
	ILE	36	Callicarpa americana	BEAUTYBERRY	-	12"	30" O.C.	YES	NO
	OVB	36	Viburnum obovatum	WALTERS VIBURNUM	-	12"	30" O.C.	YES	YES
	LYN	36	Duranta repens	GOLD MOND DURANTA	-	12"	30" O.C.	YES	NO
	IXO	36	Ixora 'Nora Grant'	IXORA	-	12"	30" O.C.	NO	NO
	TRI	41	Tripsacum dactyloides	FAKAHATCHEE GRASS	_	12"	30" O.C.	NO	YES

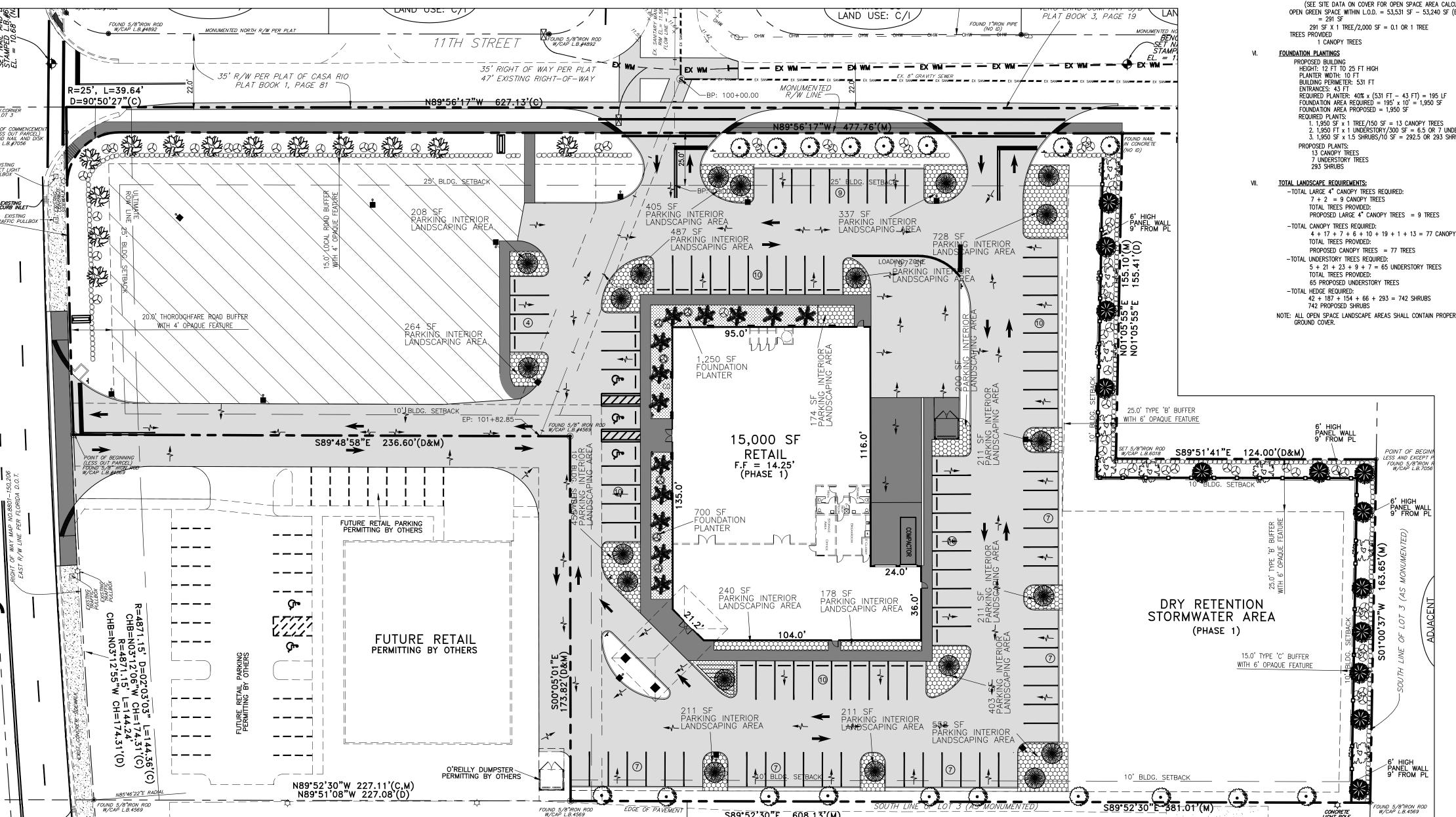
LANDSCAPING AREA

FLORIDA POWER AND LIGHT DETAIL FOR PLANTINGS ADJACENT TO WIRES.

**Medium Trees** 

plus 3 feet

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S89°52'30"E 608.13'(M)

<u> LANDSCAPE CALCULATIONS - PHASE 1</u>

PERIMETER LANDSCAPING ADJACENT TO PUBLIC RIGHT-OF-WAYS WEST PROPERTY LINE - US HIGHWAY 1
THOROUGHFARE ROAD BUFFER = 144 LF - 60 LF (DRIVEWAY AND SIGN) = 84 LF 20' WIDE BUFFER W/ 4' OPAQUE FEATURE - 1 FOOT BERM WITH 3' HEDGE

84 LF X (4.5 CANOPY/100 LF) = 3.8 OR 4 CANOPY TREES 84 LF  $\times$  (5.5 UNDERSTORY/100 LF) = 4.6 OR 5 UNDERSTORY 84 LF X (50 SHRUBS/100 LF) = 42 SHRUBS PROPOSED:

4 PROPOSED CANOPY TREES 5 PROPOSED UNDERSTORY TREES 42 SHRUBS TO FORM CONTINUOUS HEDGE AT MAXIMUM 2.5' O.C. NORTH PROPERTY LINE - 11TH STREET LOCAL ROAD BUFFER = 503 LF - 130 LF (DRIVEWAY AND SIGN) = 373 LF 15' WIDE BUFFER W/ 4' OPAQUE FEATURE - 1 FOOT BERM WITH 3' HEDGE

373 LF X (4.5 CANOPY/100 LF) = 16.8 OR 17 CANOPY TREES 373 LF X (5.5 UNDERSTORY/100 LF) = 20.5 OR 21 UNDERSTORY 373 LF X (50 SHRUBS/100 LF) = 186.5 OR 187 SHRUBS

17 PROPOSED CANOPY TREES

21 PROPOSED UNDERSTORY TREES 187 SHRUBS TO FORM CONTINUOUS HEDGE AT MAXIMUM 2.5' O.C. PERIMETER LANDSCAPING ADJACENT TO ABUTTING NON-COMPATIBLE USE NORTHEAST PROPERTY LINE - ADJACENT TO SINGLE FAMILY RESIDENCE 25' WIDE TYPE 'B' BUFFER W/ 6' OPAQUE FEATURE - 6' HIGH PANEL WALL - 279 LF

279 LF X (2.5 LARGE 4" CANOPY/100 LF) = 6.9 OR 7 LARGE 4" CANOPY TREES 279 LF X (2.5 CANOPY/100 LF) = 6.7 OR 7 CANOPY TREES 279 LF X (8 UNDERSTORY/100 LF) = 22.3 OR 23 UNDERSTORY

279 LF X (55 SHRUBS/100 LF) = 153.5 OR 154 SHRUBS 7 PROPOSED 4" CANOPY TREES 7 PROPOSED CANOPY TREES

23 PROPOSED UNDERSTORY TREES 154 SHRUBS TO FORM CONTINUOUS HEDGE AT MAXIMUM 2.5' O.C. B. SOUTHEAST PROPERTY LINE - ADJACENT TO MULTI-FAMILY COMPLEX 15' WIDE TYPE 'C' BUFFER W/ 6' OPAQUE FEATURE - 6' HIGH PANEL WALL - 164 LF

164 LF X (1.0 LARGE 4" CANOPY/100 LF) = 1.6 OR 2 LARGE 4" CANOPY TREES 164 LF X (3.5 CANOPY/100 LF) = 5.7 OR 6 CANOPY TREES 164 LF X (5 UNDERSTORY/100 LF) = 8.2 OR 9 UNDERSTORY 164 LF X (40 SHRUBS/100 LF) = 65.6 OR 66 SHRUBS

2 PROPOSED 4" CANOPY TREES 6 PROPOSED CANOPY TREES 9 PROPOSED UNDERSTORY TREES

66 SHRUBS TO FORM CONTINUOUS HEDGE AT MAXIMUM 2.5' O.C. OFF-STREET PARKING PERIMETER LANDSCAPING ADJACENT TO ABUTTING PROPERTY

A. SOUTH PROPERTY LINE ADJACENT TO OUT-PARCEL ALONG EASTERN SIDE OF THE PROPERTY 5' WIDE BUFFER NOTE: WE ARE EXEMPT FROM THIS REQUIREMENT DUE TO 30' ACCESS EASEMENT. B. SOUTH PROPERTY LINE ADJACENT TO WESTERN SIDE OF THE PROPERTY

5' WIDE BUFFER - 365 LF REQUIRED: 1. 365 LF X (1.0 CANOPY/40 LF) = 9.1 OR 10 CANOPY TREES

PROPOSED: 1. 10 PROPOSED CANOPY TREES

IV. <u>OFF-STREET PARKING INTERIOR LANDSCAPING</u> (SEE SITE DATA ON COVER FOR IMPERVIOUS AREA CALCULATIONS)

PARKING AREA = 47,315 SF = 47,315 SF X 12% = 5,678 SF= 5,678 SF X 1 TREE/300 SF = 18.9 OR 19 TREES INTERIOR LANDSCAPE AREA AND TREES PROVIDED 5,678 SF INTERIOR LANDSCAPING WITH 19 PROPOSED CANOPY TREES

NON-VEHICULAR OPEN SPACE LANDSCAPING (SEE SITE DATA ON COVER FOR OPEN SPACE AREA CALCULATIONS)

OPEN GREEN SPACE WITHIN L.O.D. = 53,531 SF - 53,240 SF (BUFFERS/VOS/FOUNDATION/STORMWATER)

1. 1,950 SF x 1 TREE/150 SF = 13 CANOPY TREES 2. 1,950 FT x 1 UNDERSTORY/300 SF = 6.5 OR 7 UNDERSTORY 3. 1,950 SF x 1.5 SHRUBS/10 SF = 292.5 OR 293 SHRUBS

4 + 17 + 7 + 6 + 10 + 19 + 1 + 13 = 77 CANOPY TREES

LANDSCAPE NOTES

LANDSCAPE MATERIAL STANDARDS

1. QUALITY. PLANT MATERIALS USED IN CONFORMANCE WITH THE PROVISIONS OF THIS CHAPTER SHALL CONFORM TO THE STANDARDS FOR FLORIDA NO. 1 OR BETTER, UNLESS SPECIFICALLY EXCEPTED BELOW, AS GIVEN IN THE MOST CURRENT EDITION OF "GRADES AND STANDARDS FOR NURSERY PLANTS" PART I AND PART II, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE, TALLAHASSEE, OR EQUAL THERETO. A CANOPY TREE MAY BE DEEMED TO MEET FLORIDA NO. 1 STANDARDS IF THE MAIN LEADER SPLITS INTO NO MORE THAN TWO (2) LEADERS AT OR ABOVE A HEIGHT OF TEN (10) FEET. PALMS SHALL HAVE A FULL, HEALTHY HEAD AND SHALL NOT BE EXCESSIVELY PRUNED, GRASS SOD SHALL BE CLEAN AND FREE OF WEEDS AND NOXIOUS PESTS OR DISEASES. GRASS SEEDS SHALL BE DELIVERED TO THE JOB SITE IN BAGS WITH FLORIDA DEPARTMENT OF AGRICULTURE TAGS ATTACHED, INDICATING THE SEED GROWER'S COMPLIANCE WITH THE DEPARTMENT'S QUALITY CONTROL PROGRAM. PLANT MATERIALS WHICH ARE KNOWN TO BE INTOLERANT OF PAVING ENVIRONMENTS, OR WHOSE PHYSICAL

CHARACTERISTICS MAY BE INJURIOUS TO THE PUBLIC, SHALL NOT BE SPECIFIED FOR USE. (A) COUNTY-ACCEPTABLE FLORIDA NO. 2\* OR BETTER REQUIRED CANOPY TREES MAY BE USED AROUND WATER BODIES AND STORMWATER AREAS, WITHIN PARK AND COMMON GREEN SPACE AREAS. AROUND AND WITHIN CONSERVATION OR PRESERVATION AREAS. AND WITHIN REAR YARD AND SIDE YARD BUFFERS WHERE THE BUFFER DEPTH IS GREATER THAN OR FOUAL TO FORTY (40) FEET. IN NO INSTANCE SHALL A REQUIRED CANOPY TREE THAT IS LESS THAN FLORIDA NO. 1 BE INSTALLED CLOSER THAN TWENTY-FIVE (25) FEET TO THE NEAREST BUILDING, DRIVEWAY, STREET, OR PARKING AREA.

\* A "COUNTY-ACCEPTABLE FLORIDA NO. 2 CANOPY TREE" SHALL MEAN A FLORIDA NO. 2 TREE WITH NO DISTORTED OR LOP-SIDED CROWN, NO SPLIT LEADER BELOW EIGHT (8) FEET, NO MORE THAN TWO (2) LEADERS BELOW TWELVE (12) FEET, AND NO SPLIT LEADER BELOW TWELVE (12) FEET WITH A DEGREE OF SEPARATION THAT EXCEEDS THIRTY (30) DEGREES.

2. DROUGHT TOLERANCE REQUIREMENTS. A MINIMUM OF FIFTY (50) PERCENT OF TOTAL CUMULATIVE LANDSCAPE PLANT MATERIAL USED TO MEET THE PROVISIONS OF THIS CHAPTER SHALL BE "MODERATELY" OR "VERY" DROUGHT TOLERANT, AS CLASSIFIED AND LISTED IN THE MOST RECENT EDITION OF THE "SOUTH FLORIDA WATER MANAGEMENT DISTRICT XERISCAPE PLANT GUIDE" OR A COMPARABLE PUBLICATION. EXISTING NATIVE PLANT SPECIES

PRESERVED ON-SITE MAY BE CONSIDERED AS CREDIT TOWARD THE DROUGHT TOLERANCE PERCENTAGE REQUIREMENT. TREES.

 CANOPY TREES. 1. CANOPY TREES, EXCEPT FOR NARROW CANOPY TREE SPECIES IDENTIFIED UNDER [SUBSECTION] 926.06(3)(D)1.B., BELOW, SHALL BE SPECIES HAVING AN AVERAGE MATURE CROWN SPREAD OF GREATER THAN FIFTEEN (15) FEET (UNDER LOCAL CLIMATIC CONDITIONS) AND HAVING A TRUNK(S) WITH OVER FIVE (5) FEET OF CLEAR WOOD. "CLEAR WOOD" REFERS TO THAT PORTION OF THE TRUNK BETWEEN THE GROUND AND THE LOWEST LATERAL LIMBS

2.. ALL NEW CANOPY TREES SHALL BE PLANTED IN A PLANTING AREA OF AT LEAST ONE HUNDRED FORTY-FOUR (144) SQUARE FEET, WITH MINIMUM DIMENSIONS BEING AT LEAST TWELVE (12) FEET IN ANY DIRECTION. LARGER AREAS MAY BE REQUIRED BY THE COMMUNITY DEVELOPMENT DIRECTOR OR HIS DESIGNEE FOR NEWLY PLANTED OR EXISTING TREES TO BE PRESERVED, AS REQUIRED BY CHAPTER 927,

3. CLUSTERS OF PALMS, SUCH AS SABAL PALMS, MAY BE USED AS CANOPY TREES PROVIDED THAT A MINIMUM OF THREE (3) PALMS ARE CLUSTERED TO EQUAL ONE (1) CANOPY TREE. CLUSTERS OF PALMS AND SPECIMEN PALMS (SPECIFIED BELOW), IF USED, SHALL CONSIST OF NO MORE THAN ONE-THIRD (1/3) OF THE TOTAL CANOPY TREE REQUIREMENT.

A. MULTI-TRUNK PALM MAY BE SUBSTITUTED FOR ONE (1) CANOPY TREE PROVIDED THAT THE TOTAL HEIGHT OF THE COMBINED CLEAR TRUNKS (GROUND TO LOWEST FROND, MEASURED ALONG THE TRUCK) IS A MINIMUM OF EIGHTEEN (18) FEET. A CANARY ISLAND DATE PALM, SYLVESTER PALM, OR BISMARK PALM WITH A CLEAR TRUNK OF AT LEAST TWO (2) FEET AND AN OVERALL HEIGHT OF AT LEAST TWELVE (12) FEET MAY COUNT AS ONE (1) CANOPY TREE. SUCH A PALM MAY COUNT AS TWO (2) CANOPY TREES IF IT HAS A CLEAR TRUNK OF AT LEAST EIGHT (8) FEET AND AN OVERALL HEIGHT OF AT LEAST EIGHTEEN (18)

A PALM OF THE ROYSTONEA GENUS WITH A MINIMUM CLEAR TRUNK OF TEN (10) FEET MAY BE COUNTED AS ONE (1) CANOPY

MINIMUM CANOPY TREE SPACING SHALL BE PROVIDED AS FOLLOWS: A. BETWEEN FULL CANOPY TREES (E.G. OAK, PINE, BAY): TWENTY-FIVE (25) FEET.

B. BETWEEN NARROW CANOPY TREE VARIETIES (E.G., CYPRESS AND HOLLY) NOT INCLUDING MAGNOLIA: FIFTEEN (15) FEET. C. BETWEEN FULL CANOPY TREES AND NARROW CANOPY TREE VARIETIES (E.G., CYPRESS AND HOLLY) NOT INCLUDING MAGNOLIA: TWENTY B. TREES HAVING AN AVERAGE MATURE CROWN SPREAD LESS THAN FIFTEEN (15) FEET MAY BE SUBSTITUTED BY GROUPING THE SAME SO AS TO

CREATE THE EQUIVALENT OF A 15 CROWN SPREAD. UNDERSTORY TREES SHALL BE SPECIES DEFINED AS MEDIUM OR SMALL TREES HAVING A MATURE CROWN SPREAD OF FIFTEEN (15) FEET OR

REQUIRED CANOPY TREES SHALL BE A MINIMUM OF TWELVE (12) FEET OVERALL IN HEIGHT AND TWO (2) INCH DIAMETER AT ONE—HALF (0.5) FEET ABOVE GRADE WITH A MINIMUM CROWN SPREAD OF FOUR AND ONE-HALF (4.5) FEET, AT THE TIME OF PLANTING, EXCEPT AS

A. UNLESS OTHERWISE SPECIFIED IN [SUBSECTION] (3)(A) ABOVE, PALMS USED TOWARD CANOPY TREE CREDIT SHALL HAVE A MINIMUM CLEAR TRUNK (GROUND TO LOWEST FROND, MEASURED ALONG THE TRUNK) OF TEN (10) FEET. WHERE AN ARRANGEMENT OF SUCH PALMS WITH VARYING HEIGHTS BETWEEN SIX (6) FEET CLEAR TRUNK AND EIGHTEEN (18) FEET CLEAR TRUNK IS PROPOSED AND THE AVERAGE CLEAR TRUNK OF THE ARRANGEMENT IS TEN (10) FEET. EACH PALM IN THE ARRANGEMENT SHALL COUNT AS ONE (1) TEN-FOOT CLEAR TRUNK PALM FOR TREE CANOPY REQUIREMENT PURPOSES.

NARROW, UPRIGHT CANOPY TREE SPECIES, SUCH AS VARIETIES OF CYPRESS, HOLLY, AND MAGNOLIA, SHALL HAVE A MINIMUM SPREAD OF THREE AND ONE-HALF (3.5) FEET AT THREE (3) FEET ABOVE GROUND LEVEL.

WHERE A BUILDING BETWEEN TWELVE (12) FEET AND TWENTY-FIVE (25) FEET IN HEIGHT IS PROPOSED TO BE LOCATED WITHIN FIFTY (50) FEET OF A PERIMETER PROPERTY LINE THAT SEPARATES THE DEVELOPMENT PROJECT FROM AN ABUTTING RESIDENTIAL USE LOCATED OUTSIDE THE PROJECT, CANOPY TREES WITHIN REQUIRED BUFFERS (TYPES (A-C) LOCATED BETWEEN THE BUILDING AND A SITE PERIMETER SHALL BE A MINIMUM OF FIFTEEN (15) FEET IN HEIGHT WITH A THREE-INCH DIAMETER AT 0.5 FEET ABOVE GRADE AT PLANTING AND A MINIMUM SIX-FOOT SPREAD. WHERE A BUILDING BETWEEN TWELVE (12) FEET AND TWENTY-FIVE (25) FEET IN HEIGHT IS PROPOSED MORE THAN FIFTY (50) FEET FROM A PERIMETER, THE CANOPY TREE HEIGHT REQUIREMENTS OF [SUBSECTION] (D)1. ABOVE, SHALL APPLY TO CANOPY TREES WITHIN THE BUFFER.

WHERE A BUILDING OVER TWENTY-FIVE (25) FEET IN HEIGHT IS PROPOSED TO BE LOCATED WITHIN SEVENTY (70) FEET OF A PERIMETER PROPERTY LINE THAT SEPARÀTES THE DEVELOPMENT FROM AN ABUTTING RESIDENTIAL USE LOCATED OUTSIDE THE PROJECT, ALL CANOPY TREES WITHIN REQUIRED BUFFERS (TYPES A-C) LOCATED BETWEEN THE BUILDING AND A SITE PERIMETER SHALL BE A MINIMUM OF SIXTEEN (16) FEET IN HEIGHT WITH A THREE-INCH DIAMETER AT ONE-HALF (0.5) FEET ABOVE GRADE AND A MINIMUM EIGHT-FOOT SPREAD AT PLANTING. WHERE A BUILDING OVER TWENTY-FIVE (25) FEET IN HEIGHT IS PROPOSED MORE THAN SEVENTY (70) FEET FROM A PERIMETER, THE CANOPY TREE HEIGHT REQUIREMENTS OF SUBSECTION] (D)1.

ABOVE, SHALL APPLY TO CANOPY TREES WITHIN THE BUFFER. REQUIRED UNDERSTORY TREES SHALL BE A MINIMUM OF SIX (6) FEET OVERALL IN HEIGHT AND ONE— AND ONE—HALF (1.5) INCHES DIAMETER AT ONE—HALF (0.5) FEET ABOVE GRADE AT THE TIME OF PLANTING, MULTI—TRUNK TREES SHALL HAVE A COMBINED ONE— AND ONE-HALF-INCH CALIPER FOR ALL TRUNKS AT SIX (6) INCHES ABOVE GRADE. PALM TREES USED AS UNDERSTORY TREES SHALL HAVE A MINIMUM OVERALL HEIGHT OF SIX (6) FEET AND SHALL NOT COMPRISE MORE THAN ONE-THIRD (1/3) OF THE TOTAL UNDERSTORY TREE

E. THE NUMBER OF DIFFERENT SPECIES OF TREES, OTHER THAN PALMS, SHALL BE AS FOLLOWS: FOR SITES OR PARCELS LOCATED IN A SAND RIDGE OR XERIC SCRUB ENVIRONMENT AS DETERMINED BY COUNTY ENVIRONMENTAL PLANNING STAFF. A MINIMUM OF SIX (6) SPECIES SHALL BE REQUIRED, REGARDLESS OF THE REQUIRED NUMBER OF TREES. SUCH TREES SHALL BE INDIGENOUS TO, AND TOLERANT OF, SAND RIDGE OR XERIC SCRUB CONDITIONS.

AT LEAST FIFTY (50) PERCENT OF ALL REQUIRED CANOPY TREES, UNDERSTORY TREES, AND PALMS SHALL BE A NATIVE SPECIES AS LISTED IN APPENDIX A. TREES IN PROXIMITY TO PUBLIC WORKS OR EASEMENTS. TREES OF A SPECIES WHOSE ROOTS ARE KNOWN TO CAUSE DAMAGE TO SIDEWALKS, ROADS, OR DRIVEWAYS SHALL NOT BE PLANTED CLOSER THAN SIX (6) FEET TO SUCH STRUCTURES UNLESS A TREE ROOT SYSTEM BARRIER, APPROVED BY THE PUBLIC WORKS DIRECTOR OR HIS DÈSIGNEE, IS PROVIDED THAT PROTECTS THE STRUCTURE(S) FROM DAMAGE BY THE ROOT SYSTEM. SAID ROOT BARRIER, WHERE REQUIRED, SHALL BE INSTALLED PRIOR TO I ISSUANCE OF A CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLETION. PROHIBITED TREES. THE INSTALLATION OF ANY OF THE SPECIES LISTED IN APPENDIX B IS PROHIBITED

CREDITS FOR THE USE OF NEWLY PLANTED TREES LARGER THAN THE MINIMUM SIZE SHALL BE AS INDICATED IN TABLE 2. FRACTIONAL MEASUREMENTS SHALL BE ATTRIBUTED TO THE

NEXT LOWEST CATEGORY. SEE TABLE 3 REGARDING CREDITS FOR TREES PRE-EXISTING OR RELOCATED ON-SITE.

SHRUBS SHALL BE A MINIMUM OF EIGHTEEN (18) INCHES IN HEIGHT WHEN MEASURED IMMEDIATELY AFTER PLANTING, EXCEPT THAT SHRUBS NON-NATIVE VIBURNUM AND LIGUSTRUM SPECIES SHALL BE A MINIMUM OF TWENTY-FOUR (24) INCHES IN HEIGHT IMMEDIATELY AFTER

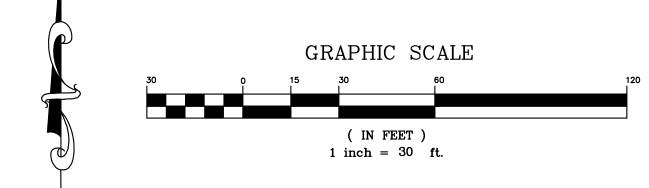
SHRUBS, WHERE REQUIRED, SHALL BE PLANTED IN AN OFFSET DOUBLE ROW AND MAINTAINED SO AS TO FORM A CONTINUOUS, UNBROKEN, SOLID SCREEN. WHERE REQUIRED TO FORM A CONTINUOUS SCREEN TO SATISFY A BUFFER OR OPAQUE FEATURE REQUIREMENT, SHRUBS SHALL BE PLANTED ON TWENTY-FOUR (24)-TO-THIRTY (30) INCH CENTERS, UNLESS A GREATER SPACING IS NECESSARY TO ACCOMMODATE larger shrubs and is approved by plánning división staff EVERY LANDSCAPE PLAN SHALL CONTAIN A MINIMUM NUMBER OF SHRUB SPECIES AS INDICATED IN THE TABLE BELOW. EXCLUDING SHRUBS

USED IN OPAQUE FEATURES, AT LEAST FIFTY (50) PERCENT OF THE REQUIRED NUMBER OF SHRUBS SHALL BE OF NATIVE SPECIES, LISTED VINES. VINES SHALL BE A MINIMUM OF EIGHTEEN (18) INCHES IN HEIGHT DIRECTLY AFTER PLANTING AND NO LESS THAN THIRTY (30) INCHES APART. VINES MAY BE USED IN CONJUNCTION WITH FÉNCES, SCREENS OR WALLS TO MEET PHYSICAL BARRIER REQUIREMENTS AS SPÉCIFIED. AT

LEAST FIFTY (50) PERCENT MUST BE NATIVE. VINES QUALIFYING AS NATIVE ARE LISTED IN APPENDIX A. THE INSTALLATION OF ANY SPECIES LISTED IN APPENDIX B IS PROHIBITED. MULCH AND GROUND COVERS. THE USE OF CYPRESS MULCH IS PROHIBITED. MULCH THAT IS NOT CYPRESS MAY BE USED, GROUND COVERS (NOT INCLUDING SOD GRASS) SHALL BE PLANTED IN SUCH A MANNER AS TO PRESENT A FINISHED APPEARANCE AND REASONABLY COMPLETE COVERAGE WITHIN ONE YEAR AFTÉR PLANTING. AT LEAST FIFTY (50) PERCENT OF THE AREA COVERED BY LIVING MATERIAL SHALL BE OF NATIVE SPECIES.

REFER TO APPENDIX FOR A LIST OF NATIVE GROUND COVERS AND FLOWERS. THE COMPLETE COVERAGE OF AN AREA BY GROUND COVERS

PRECLUDES THE USE OF MULCH THEREAFTER. TURF GRASS. TURF GRASS AREAS SHALL BE IDENTIFIED ON THE LANDSCAPE PLAN AND SHALL BE LIMITED TO A MAXIMUM OF FIFTY (50) PERCENT OF THE TOTAL IRRIGATED, LANDSCAPED AND VEGETATED PROJECT AREA, EXCLUDING RIGHTS-OF-WAY, ACTIVE RECREATION AREAS (E.G. PLAYFIELDS), ND SLOPES WITHIN DRY RETENTION AREAS. TURF GRASS SHALL BE PLACED SO THAT IT CAN BE IRRIGATED IN A SEPARATE ZONE. PREFERRED TURF GRASSES ARE THOSE QUALIFYING AS NATIVE AND ARE LISTED IN APPENDIX C. GRASS AREAS MAY BE SODDED, PLUGGED, STRIGGED OR SEEDED, EXCEPT THAT SOLID SOD OR HYDRO-SEEDING SHALL BE USED IN SWALES OR OTHER AREAS SUBJECT TO EROSION. SEED, WHERE USED, SHALL BE OF A VARIETY THAT WILL PRODUCE COVERAGE WITHIN NINETY (90) DAYS FROM SOWING: WHERE OTHER THAN SOLID SOD, GRASS SEED OR GRASS SPRIGGING IS USED, NURSE GRASS SEED SHALL BE SOWN FOR IMMEDIATE EFFECT AND PROTECTION UNTIL COVERAGE IS OTHERWISE ACHIEVED. WHEN NECESSARY, A RESEEDING PROGRAM SHALL BE IMPLEMENTED TO PRODUCE COMPLETE COVERAGE WITHIN ONE (1) YEAR.





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NDSCA (PHA

SHOPPE

ENGINEER CERTIFICATION ☐ JOSEPH W. SCHULKE FL. REG. NO. 47048 ☐ JODAH B. BITTLE FL. REG. NO. 57396 □WILLIAM P. STODDARD FL. REG. NO. 57605 SHEET

7APROJECT NO. 16-096