CODE COMPLIANCE DATA

SEC. 13-443 MINIMUM LANDSCAPE REQUIREMENTS FOR ZONING DISTRICTS (4) PUD DISTRICTS (DESIGNATED COMMERCIAL IN PUD DISTRICTS) I tree and 5 shrubs / 1000 sq. ft. of plot area not utilized for structures and parking 349,929 sq. ft. Total plot square footage = Total building area = 63,922 sq. ft Total parking area = 149,667 sq. ft. Area not utilized for parking structures = 125,064 sq. ft Area not utilized by parking or structures : 137 trees required 136,340 sq. ft. / 1000 = 137 trees provided 126 (number of trees req'd) $\times 5 =$ 630 shrubs required 681 shrubs provided

<u>(6) COMMERCIAL AND INDUSTRIAL DISTRICTS ABUTTING RESIDENTIAL</u> <u>DISTRICTS</u> 6' masonry wall 3 trees, 15' ht. x 8' spr. / 100'

continuous hedge

(masonry wall requirement may be waived by P and Z Board if landscaping is substituted including berms, trees, hedges.

West Property Line (20' area contiguous to 'In The Pines' $520' / 100 = 5.2 \times 3$ 16 trees required 16 trees provided 260 hedge required

berm provided North Property Line (15' area between access road, south of 'In The Pines' 392' / 100 = 3.92 x 3 = 12 trees required 12 trees required 12 trees provided 196 hedge required

196 hedge provided berm required berm provideo (1) SPECIAL PROVISIONS

6. Landscaping is required on all areas not covered by structures, walks, drives, and must extend to abutting streets, canals, waterways

c. A min. of 5' buffer required the perimeter of a project that abutts a similar district. e. Landscaping is required within the green space / planter areas of all commercial buildings between the building and parking or v.u.a.'s per

Each 40' of green area required a minimum of 1 tree and 20 shrubs and 30 groundcover plants - this area to provide tiered landscape at various levels.

Length of perimeter of bldg with green space between bldgs and parking or other v.u.a.'s

1033' / 40 = 1033' / 40 = 26 × 20 = 1033' / 40 = 26 × 30 =

the zoning code.

26 trees required 26 trees provided 520 shrubs required 538 shrubs provided 780 groundcover required 782 groundcover provided

260 hedge provided

berm required

f. 15' clear zone required around parking lot lighting. Trees must not block stop signs Parking lot islands are intended for landscaping. Site lights shall be located out of parking lot islands such that trees are not affected and do not impede site lights.

g. Recreation areas and community facilities shall be landscaped according to commercial landscape requirements.

(10) Perimeter Landscaping Abutting other Districts a. 10' wide landscape strip - 1 tree / 40', continuous hedge

South Property Line 964' / 40' = 954' / 2 =

25 trees required 25 trees provided 482 hedge required 500 hedge required

6,892 sq. ft. required

(due to lighting)

6 trees required

6 trees provided

240 hedge required 240 hedge required

East Property Line 574' / 40 = 15 trees required 10 trees provided 5 trees exist 287 hedge required 304 hedge provided

(II) OPEN STORAGE AREAS, EQUIPMENT ETC ... Must be screened on 3 sides, must exceed height of object by 6" within

(12) INTERIOR LANDSCAPE REQUIREMENTS FOR V.U.A.'6 a. Intermediate and terminal islands, I tree / 10 parking spaces 333 spaces / 10 = 34 trees required 33 trees provided 1 tree exists

b. Other V.U.A.'s shall have I sq. ft. of landscape area / 100 sq. ft. of Total paved area = 333 spaces / 10 = 33.3 x 192 = 6,394 sq. ft. required 333 spaces x 300 = 99,900 sq. ft. 149,667 sq. ft. - 99,900 sq. ft. = 49,767 sq. ft. required 49,767 / 100 = 498 + 6,394 =

26,082 sq. ft. provideo c. Divider Medians in parking lots min. 5' width, I canopy tree / 40' 20 canopy trees required 20 canopy trees provided

d. Divider Medians between roads 1 tree / 40' = 185' / 40 = 5 trees required 3 trees provided 2 trees provided elsewhere on site

(13) STREET TREES

<u>Hillsboro Blvd.</u> 574' / 40 = 15 trees required 15 trees provided

(15) ROADWAY LANDSCAPE BUFFER STANDARDS 25' width, I tree / 2000 sq. ft., hedges required at 24" o.c., 40 shrubs / 2,000 sq. ft. groundcover. Three tiers required.

<u>Hillsboro Blvd.</u> 12,025 sq. ft. / 2,000 = 479' / 2 =

240 shrubs required 6 × 40 = 358 shrubs provided 479 groundcover required 499 groundcover provided

TOTAL TREES REQUIRED = 300 trees required TOTAL TREES PROVIDED = 308 trees provided

50% of plant material must be native (excluding ground cover) Trees provided = 308 x 50 = 154 native trees required 254 native trees provided

124 shade/canopy trees required 195 shade/canopy trees provided 30% of provided trees can be intermediate = 93 intermediate allowed 59 intermediate provided

(14 silver buttonwood \$ 43 east palatka holly)

40% of provided trees must be shade / canopy trees =

Palms 3 to 1 (50% max. of total trees required) = 150 palms allowed 95 total palms indicated on plan (54 when counted 3 trunks = = 1 tree, royals and dates @ 1 to 1) TOTAL SHRUBS REQUIRED = 2,306 shrubs required TOTAL SHRUBS PROVIDED = 2,607 shrubs provided

Shrubs and hedges provided, 6012 x .50 = 3006 native shrubs required 3114 native shrubs provided

MITIGATION TREES Mitigation Trees required = 13 trees required + Mitigation trees not included in any category above.

Achieve 40% tree canopy coverage throughout the City with max. tree coverage on public and private land by 2020. Site = 349,929 x 40% =

estimated tree canopy coverage = 75,895 s.f. (22%)**Based upon category 1 trees @ 300 sq. ft. per tree, category 2 trees @ 150 sq ft. per tree, palms at mature spread.

PLANT LIST - Trees

BOTANICAL/COMMON NAME SPECIFICATIONS 12' ht. x 6' spr., Conocarpus erectus 12' ht. x 6' spr., 10' ht. x 5' spr., Conocarpus e. sericeus 12' ht. x 6' spr., East Palatka Holly 12' ht. x 5' spr., Magnolia grandiflora Southern Magnolia 12' ht. x 6' spr., oa. hts. as noted Quercus virginiana 12' ht. x 6' spr., 12' ht. x 6' spr., Taxodium distichur

quantity of single species not to exceed 25% = 64

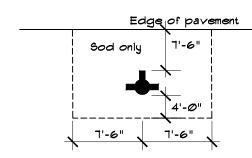
PLANT LIST - Palms

<u>5YM</u> AM2	BOTANICAL/COMMON NAME Adonidia merrillii	SPECIFICATIONS 14' oa. ht.,	<u>QTY</u>
PE	Double Christmas Palm Ptychosperma elegans Alexander Palm	8' c.t. min. 16' oa. ht., 8' min. c.t., single trunk	٩
PE2	Ptychosperma elegans Double Alexander Palm	16' oa. ht., 8' min. c.t., double trunk	٤
P6	Phoenix sylvestris Silver Date Palm	8' c.t. min.	:
RE	Roystonea elata Florida Royal Palm	25' ht., 8' c.t. min.	24
SP	Sabal palmetto Sabal Palm	oa. hts. as noted on plan, booted	40
VM	Vietechia montgomeryana Montgomery Palm	16' oa. ht., 8' min. c.t.,	3
∨M3	Vietechia montgomeryana Triple Montgomery Palm	16' oa. ht., 8' min. c.t., triple trunk	

quantity of single species not to exceed 25% (native palms exempt) = 2-

ALL LIMEROCK MUST BE EXCAVATED FROM PARKING ISLANDS TO A DEPTH OF TWO AND ONE-HALF (21/2) FEET AND BACKFILLED WITH THE SPECIFIED PLANTING MIX.

FIRE HYDRANT CLEAR ZONE SCALE: N.T.S.

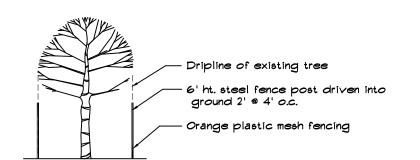


Requirements apply to fire hydrants, siamese connections and any other fire equipment for utilizing fire hose on public or private property The diagram shall appear on all landscape plans

prior to approval.

The clear zone shall be free of landscape (except sod), mailboxes, parking, lamp-posts and all other objects (exceptions: other fire fighting equipment, or traffic posts to protect fire fighting

EXISTING TREE PROTECTION BARRIER DETAIL



&PLANT LIST - Groundcover

<u>SYM</u>	BOTANICAL/COMMON NAME	SPECIFICATIONS	QTY
ANN	Annuals to be selected by Landscape Architect	4" pots, 12" o.c.	32Ø
ANT	Anthurium spp. Anthuriums	12" ht. x 12" spr., 18" o.c.	128
ARI	Aristidia stricta Wire Grass	12" ht. x 10" spr., 18" o.c.	326
ASP	Asparagus dens. myers Foxtail Asparagus	12" ht. × 12" spr., 18" o.c.	35Ø
BEG	Begonia 'angelwing' White Angelwing Begonia	12" ht. × 12" spr., 18" o.c.	86
BRO	Neoreglia 'perfection' Perfection Bromeliad	12" ht. × 12" spr., 18" o.c.	114
CYR	Cyrtomium falcatum Holly Fern	12" ht. × 12" spr., 18" o.c.	552
DIA	Dianella tasmanica Blueberry Flax Lily	12" ht. × 12" spr., 18" o.c.	400
JUN	Juniperus ch. parsonii Parsons Juniper	12" ht. × 12" spr., 18" o.c.	306
LAN	Lantana epp. Yellow Lantana	12" ht. x 12" spr., 18" o.c.	144
LIR	Liriope evergreen giant Giant Liriope	12" ht. x 12" spr., 18" o.c.	1610
50D	Stenotaphrum secundatum	full, fresh sod	as req'd

PLANT LIST - Shrubs

SPECIFICATIONS

24" ht. x 18" spr.,

BOTANICAL/COMMON NAME

Acalypha wilkesiana Copperleaf

St. Augustine Floratam

ALV	Alpinia variegata Variegated Ginger	18" ht. x 18" spr., 24" o.c.	13
BG	Brunflesia grandiflora Yesterday Today Tomorrow	5' ht. x 3' spr., standard	2
BROI	Alcantarea 'imperialis' Imperial Bromeliad	3' ht. x 3' spr.	2
cc	Capparis cynophallophora Jamaica Caper	5' ht. x 3' spr.	3
CES	Conocarpus e. sericeus Silver Buttonwood Hedge	24" ht. x 18" spr., 24" o.c.	96
CHR	Chrysobalanus icaco Green Cocopium Hedge	24" ht. x 18" spr., 24" o.c.	657
COD	Codiacum variegatum Mammey Crotons	18" ht. x 12" spr., 18" o.c.	13
CON	Conocarpus erectus Green Buttonwood	24" ht. x 18" spr., 24" o.c.	22
CTI	Cordyline terminalis Hawaiian Ti Plant	4' ht., 3 ppp	9
CY	Cyathea cooperii Australian Tree Fern	4' ht. x 4' spr.	3
FIG	Ficus microcarpa Green Island	12" ht. x 10" spr., 18" o.c.	1460
FOR	Foresteria segregata Florida privet	24" ht. x 18" spr., 24" o.c.	100
HAM	Hamelia patens 'compacta' Dwarf Firebush	24" ht. x 18" spr., 24" o.c.	239
ILE	llex vomitoria Dwarf Yaupon	12" ht. x 12" spr., 18" o.c.	600
IXD	lxora 'petite' Red Taiwan Dwarf Ixora	18" ht. x 12" spr., 18" o.c.	PST
JH	Jatropha spp. Jatropha Std.	5' ht. x 3' spr., standard	2
LIG	Ligustrum 'jack frost' Variegated Ligustrum	24" ht. x 18" spr., 24" o.c.	25
MUH	Muhlenbergia capillaris Muhly Grass	12" ht. x 18" spr., 18" o.c.	355
MYR	Rapanea punctata Myrsine	24" ht. × 18" spr., 24" o.c.	176
PB	Persea borbona Florida Red Bay	8' ht. \times 3' spr., $1\frac{1}{2}$ " cal.	16
PHO	Phoenix roebelinii Pygmy Date Palm	5' ht.	4
PHO3	Phoenix roebelinii Pygmy Date Palm	5' ht., triple trunks	2
PLE	Draceana reflexa Pleomele	4' ht., 3 ppp	34
PLM	Plumeria pudica Bridal Bouquet	5' ht. x 3' spr., standard	6
POD	Podocarpus macrophyllus Podocarpus Hedge	24" ht. × 18" spr., 24" o.c.	76
POP	Podocarpus macrophyllus 'pringles' Pringles Podocarpus	18" ht. x 18" spr., 24" o.c.	82
PSY	Psychotria nervosa Wild Coffee	24" ht. x 18" spr., 24" o.c.	176
RAP	Rapanea punctata Myrsine	24" ht. x 18" spr., 24" o.c.	15
RHA	Rhaphis excelsa Lady Palm	6' ht., full to base	2
SCH	Schefflera arboricola Variegated Trinette	24" ht. x 18" spr., 24" o.c.	173
SER	Serenoa repens Saw Palmetto	18" ht. x 18" spr., 24" o.c.	eli
THR	Galphimia gracilis Thryallis	24" ht. x 18" spr., 24" o.c.	25
TOP	Topiary Conical Topiary	5' ht., conical	4
TRD	Tripsacum floridanum Dwarf Fakahatchee	24" ht. x 18" spr., 24" <i>o.</i> c.	234
TRI	Tripsacum dactyloides Fakahatchee Grass	24" ht. x 18" spr., 24" o.c.	156
VIO	Viburnum obovatum Walters Viburnum	24" ht. x 18" spr., 24" <i>o.</i> c.	150
		TOTAL sk	rubs = 6012

TOTAL shrubs = 6012 quantity of single species not to exceed 25% = 150

COCONUT CREEK STANDARD LANDSCAPE COMMENTS

THE NOTES BELOW SUPERSEDE AND OVERRIDE OTHER NOTES AND SPECIFICATIONS INCLUDED IN THESE PLANS.

CITY OF COCONUT CREEK

STANDARD LANDSCAPE NOTES

All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursen Plants, current edition. Trees shall not be tipped, topped, or shaped prior to installa Landscape shall be placed to edge of abutting streets, canals, lakes or other lands

All mechanical equipment, air conditioning, irrigation pump stations and equipment, FPL transformers, pool pumps, etc., must be screened on three (3) sides by landscape shrubs NOTE: The quantity of screening shrubs is in addition to the required number of shrubs as provided in the code calculation table. All screening shrubs shall be planted for proper operation of equipment being screened and/or per the requirements of the utility as necessary. All hedge material required for screening urposes shall be planted with branches touching. Adjust on-center spacing as necessary and/or provide additional plants to provide an adequate screen.

Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two inches, tree trunks excluded. Measurement shall be made from top of root ball planted at proper elevation.

Guying/staking practices shall not permit nails, screws, wires, etc., to penetrate outer surfaces of trees, palms or other plant material. Trees, palms and plant material rejected due to this practice shall be replaced with the Burlap material, wire cages, plastic/canvas straps, etc., must be cut and removed for the top one-half (1/2) depth

of the root ball. Trees and shrubs grown in grow bags or grow bag type material must have such material REMOVED ENTIRELY prior to planting the tree or shrub. All plant material shall be free of pests, insects, disease, weeds, etc.
All required landscape material shall be installed using a planting soil mix comprised of a type appropriate to the

individual proposed plant material and the native soil found on the site.

All plant material shall be planted at the proper depth, as originally grown and/or so the top of the root ball is flush or slightly above finished grade immediately after planting. All trees should provide trunk taper when properly planted at the correct planting depth.

All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area.

Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by this permit to the satisfaction of the inspector.

Refer to Coconut Creek Fire Equipment Clear Zone diagram to maintain a safe zone fronting fire hydrants.

Do not plant trees, shrubs or groundcover within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical Inspector. All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide 100% coverage with 50% overlap (minimum) using rust free water, except preserved areas remaining in natural state. A rain sensor device or switch shall be installed that will override the irrigation system when adequate rainfall has occurred. Water shall not be directed and/or provided onto

be further restricted by South Florida Water Management District or other jurisdictional agency. Irrigation permits and plans shall be submitted for approval at time of building permits. All non-single family or duplex irrigation systems other than City water systems shall require a South Florida Water Management District water use permit prior to issuance of an irrigation permit and installation of the irrigation

mpervious surfaces and/or be designed or installed to throw water over an impervious surface such as a

50' ht. x 40' spr., 8" cal.

50' ht. x 40' spr., 16" cal.

50' ht. x 50' spr., 36" cal.

20' ht x 20' spr., 12" cal.

25' ht. x 20' spr., 14" cal.

50' ht. x 25' spr., 14" cal.

25' ht. x 20' spr., 14" cal.

40' ht. x 40' spr., 24" cal.

20' ht. x 20' spr., 10" cal.

20' ht. x 20' spr., 18" cal.

20' ht. x 20' spr., 18" cal.

20' ht. x 20' spr., 24" cal.

40' ht. x 40' spr., 48" cal.

40' ht. x 30' spr., 18" cal.

25' ht. x 20' spr., 6" cal.

16' ht., 12" cal.

cluster

cluster

50' ht. x 16' spr., 14" cal., poor

30' ht. x 30' spr., 5 trunks each 4"-6" cal.

20' ht. x 20' spr., 24" cal., 7 main trunks 4

TOTAL REPLACEMENT CANOPY AREA REQUIRED =

40' ht. x 30' spr.

sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 5:00 p.m. to 8:00 a.m. only or as may

All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, berms, landscape entry features, etc. leading up to and including the model center and/or first certificate of occupancy must be completed and functional prior to issuance of the first requested certificate of occupancy e height of all required, designed and installed berms shall be from the highest adjacent point whether it is the

sidewalk, parking area, vehicular use area, surrounding ground, etc. Where a berm abuts a sidewalk, there shall An inspection is required prior to the backfilling of trees/palms in all parking medians and islands

NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".

EXISTING TREE LIST

TREE TYPE

Bischoffia

Bischoffia

Live oak

Live oak

Laurel oak

Slash bine

Live oak

Live oak

Slash pine

Gumbo limbo

Gumbo limbo

Gumbo limbo

Gumbo limbo

Gumbo limbo

Strangler fig

Lead tree

Stranaler fi

Sabal balm

Slash bine

Strangler fig

Acacia / Lead tree /

Brazilian pepper cluste

80|8a Lead tree / Brazilian pepper cluster

8018b Lead tree / Brazilian pepper cluster

7669

7670

7674

7675

7676

7678

7679

7681

7683

7685

7689

7680

EXISTING TREE PROTECTION NOTES

<u>SEC. 13-448 (N)</u>

REPLACEMENT

AREA (S.F.)

n/a

n/a

n/a

314 s.f.

314 s.f.

n/a

1256 s.f.

n/a

n/a

n/a

3847 s.f.

<u>STATUS</u>

remove

remove

remove

remove

remain

remove

remove

remove

remove

remain

remain

remove

remove

13 mitigation trees provided

3847 / 300 = 13 mitigation trees required

- (n) Protection from construction work. During any construction, land development or lot clearing, the contractor and the owner of the property subject to this section shall adhere to the requirements which follow:
- (1) Place and maintain protective barriers around the drip line of all trees to be retained on the site to prevent their destruction or damage. The protective barriers shall be at least four (4) feet in height and conspicuously colored to be seen easily by operators of trucks and other equipment. Protective barriers shall be constructed of sturdy material (not flagging or ribbons) and shall be installed prior to and during construction and/or land development;
- (2) Not store or use materials or equipment within the drip line of any tree to be retained on site unless the activity is being done to protect trees;
- Not discharge or contaminate the soil within the drip line of any tree to be retained on site with any construction materials such as paint, oil, solvents petroleum products, asphalt, concrete, mortar, or other materials that may cause adverse impacts:
- (4) Clearing of vegetation within the dripline of trees designated for preservation shall only be by hand or light rubber wheeled equipment that will not damage tree roots: said equipment shall be a maximum of forty-eight (48) inches wide, tire to tire, with a maximum weight of three thousand five hundred (3,500) pounds;
- (5) Utilize retaining walls and drywells where needed to protect trees to be preserved from severe grade changes;
- (6) Pruning of trees to be preserved shall be in accordance with the standards for pruning established by ANSI A-300.
- (7) Make no attachments, other than those of a protective and nondamaging nature, to any tree to be retained on the site;
- (8) Not change the natural grade above the root system within the drip line of any tree to be retained on site unless it can be demonstrated to the city that it

will not damage any tree;

(9) Avoid any encroachments, excavations or severe grade changes within the drip line of preserved trees unless it can be demonstrated to the city that it will not impact any tree; and



first baptist church

MITIGATION PLANT LIGT

<u> </u>	IIGA IION F		
<u>SYM</u>	BOTANICAL/COMMON NAME	SPECIFICATIONS	<u> QTY</u>
B9	Bursera simaruba Gumbo Limbo	12' ht. x 6' spr., 2" cal.	3
CE	Conocarpus erectus Green Buttonwood	12' ht. x 6' spr., 2" cal.	2
co	Chrysophyllum oliviforme Satin Leaf	12' ht. × 6' spr., 2" cal.	3
MG	Magnolia grandiflora Southern Magnolia	12' ht. x 5' spr., 2" cal.	3
TD	Taxodium distichum Bald Cypress	12' ht. × 6' spr., 2" cal.	2
			15

dave bodker

landscape architecture/planning inc.

601 n. congress ave., suite 105-a delray beach, florida 33445 561-276-6311

> #LAOO00999 sheet title:



project number: 4114 date: 7-15-14

scale: 1" = 20' drawn by: jae

9-9-14

11-26-14

revisions:

sheet:



sheets