PLANT LIST - Trees

SYM CC	BOTANICAL/COMMON NAME Capparis cynophallophora Jamaica Caper	SPECIFICATIONS 5' ht. x 3' spr.	<u>QTY</u> 16
CE	Conocarpus erectus Green Buttonwood	12' ht. x 6' spr., 2" cal.	25
co	Chrysophyllum oliviforme Satin Leaf	12' ht. x 6' spr., 2" cal.	10
IA	llex attenuata East Palatka Holly	10' ht. x 4' spr., 2" cal.	п
IC	llex cassine Dahoon Holly	6' ht. x 3' spr.	2
JH	Jatropha spp. Jatropha Std.	5' ht. x 3' spr., standard	13
ML	Magnolia grandiflora 'little gem' Little Gem Magnolia	12' ht. x 5' spr., 2" cal.	П
PB	Persea borbona Florida Red Bay	8' ht. x 3' spr., 1½" cal.	14
PI	Pinus elliotti Slash Pine	oa. hts. as noted on plans	TØ
QY	Quercus virginiana Live Oak	12' ht. × 6' spr., 2" cal.	30
QVI	Quercus virginiana Live Oak	16' ht. \times 8' epr., $3\frac{1}{2}$ " cal.	19
TD	Taxodium distichum Bald Cupress	12' ht. x 6' spr., 2" cal.	5

quantity of single species not to exceed 25% = 60

PLANT LIST - Palms

<u>8YM</u> AA	BOTANICAL/COMMON NAME Archontophoenix alexandrae Alexandra Palm	SPECIFICATIONS G 16' oa. ht., 8' min. c.t.,	2
AA2	Archontophoenix alexandrae Double Alexandra Palm	16' oa. ht., 8' min. c.t., double trunk	19
PE2	Ptychosperma elegans Double Alexander Palm	16' oa. ht., 8' min. c.t., double trunk	4
P5	Phoenix sylvestris Silver Date Palm	10' c.t.	
SP	Sabal palmetto Sabal Palm	oa. hts. as noted on plan, booted	4
VM	Vietechia montgomeryana Montgomery Palm	16' oa. ht., 8' min. c.t.,	
∨ M2	Vietechia montgomeryana Double Montgomery Palm	16' oa. ht., 8' min. c.t., double trunk	1:
WB	Wodyetia bifurcata Foxtail Palm	18' oa. ht., 8' min. c.t.	1
PHO	Phoenix roebelinii Pygmy Date Palm	5' ht., triple trunks	

quantity of single species not to exceed 25% = 4

NOTE:

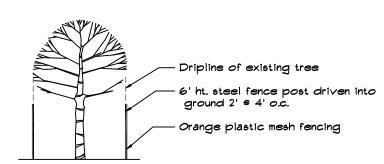
ALL LIMEROCK MUST BE EXCAVATED FROM PARKING ISLANDS TO A DEPTH OF TWO AND ONE-HALF (21/2) FEET AND BACKFILLED WITH THE SPECIFIED PLANTING MIX.

EXISTING TREE LIST

				REPLACEMEN
<u>5YM</u>	TREE TYPE	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>CANOPY ARE</u>
A	Slash pine	40' ht. x 20' spr., 14" cal.	remove	341 sq. ft.
8	Slash pine	50' ht. x 25' spr.	remove	491 sq. ft.
C	Slash pine	60' ht. x 35' spr., 22" cal.	remove	961 sq. ft.
D	Slash pine	60' ht. x 20' spr., 14" cal.	remove	314 sq. ft.
E F	Slash pine	50' ht. x 20' spr., 12" cal.	remain	•
F	Slash pine	50' ht. x 18' spr., 12" cal.	remain	
G	Slash pine	50' ht. x 10' spr., 14" cal.	remove	79 sq. ft.
H	Slash pine	50' ht. x 10' spr., 14" cal.	remove	79 sq. ft.
1	Slash pine	50' ht. x 15' spr., 14" cal.	remain	
J	Slash pine	50' ht. x 20' spr., 18" cal.	remain	
K	Slash pine	50' ht. x 20' spr., 18" cal.	remain	
L	Slash pine	dead	remove	
М	Slash pine	50' ht. x 35' spr., 18" cal.	remain	
N	Slash pine	40' ht. x 30' spr., 18" cal.	remove	707 sq. ft. 2,972 sq. ft.

12 mitigation trees @ 12' ht. x 5' spr., 2" cal.

EXISTING TREE PROTECTION BARRIER DETAIL



NOTE: THIS TREE PROTECTION TO BE USED FOR ALL EXISTING AND RELOCATED TREES WITHIN PROJECT BOUNDARY LIMIT LINE AND WITHIN 50'-0" OF PROJECT BOUNDARY LIMIT LINE.

PLANT LIST -

Shrubs & aroundcover

<i>ohr</i> i	uos & orout	<u>1000/er</u>	-
MM2	BOTANICAL/COMMON NAME Annuals to be selected by Landscape Architect	SPECIFICATIONS 4" pots, 12" o.c.	<u>2TY</u> 374
1RI	Aristidia stricta Wire Grass	12" ht. x 10" spr., 18" o.c.	126
/SP	Asparagus dens. myers Foxtail Asparagus	12" ht. x 12" spr., 18" o.c.	50
3 <i>0</i> U	Bougainvillea spp. Bougainvillea	6' ht., trellis	é
CE6	Conocarpus e. sericeus Silver Buttonwood Hedge	24" ht. x 18" spr., 24" o.c.	26
HR	Chrysobalanus icaco Red Tip Cocoplum Hedge	24" ht. x 18" spr., 4 24" o.c.	65Ø
CHRI	Chrysobalanus icaco Red Tip Cocoplum Hedge	42" ht. x 24" spr., 24" o.c.	35
OD	Codiacum varigatum Mammey Crotons	18" ht. x 18" spr., 24" o.c.	113
TI	Cordyline terminalis Hawaiian Ti Plant	4' ht., 3 ppp	33
DIA .	Dianella tasmanica Blueberry Flax Lily	12" ht. x 12" spr., 18" o.c.	443
OUR	Duranta erecta Gold Mound	12" ht. x 12" spr., 24" o.c.	54
ERN .	Ernodea littoralis Golden Creeper	12" ht. x 10" spr., 18" o.c.	233
EUG	Eugenia spp. Stopper	24" ht. x 18" spr., 24" o.c.	124
iiG	Ficus microcarpa Green Island	12" ht. x 10" spr., 2. 18" o.c.	403
OR	Foresteria segregata Florida privet	24" ht. x 18" spr., 24" o.c.	186
1AM	Hamelia patens 'compacta' Dwarf Firebush	24" ht. x 18" spr., 24" o.c.	253
llB	Hibiscus spp. Hibiscus Hedge	24" ht. x 18" spr., 3 24" o.c.	300
LE	llex vomitoria Dwarf Yaupon	12" ht. x 12" spr., 18" o.c.	282
LG	llex glabra Gallberry	18" ht. x 18" spr., 24" o.c.	128
.IR	Liriope evergreen giant Giant Liriope	12" ht. x 10" spr., 18" o.c.	540
.IV	Ligustrum sinense 'variegatum' Variegated Ligustrum	24" ht. x 18" spr., 24" o.c.	103
1UH	Muhlenbergia capillaris Muhly Grass	12" ht. x 10" spr., 18" o.c.	1202
1YR	Rapanea punctata Myreine	24" ht. x 18" spr., 24" o.c.	73
EP	Nephrolepis falcata Macho Fern	24" ht. x 18" spr., 24" o.c.	155
PLE	Draceana reflexa Pleomele	4' ht., 3 ppp	29
PLU	Plumbago aurículata Plumbago	18" ht. x 18" spr., 24" o.c.	54
POD	Podocarpus macrophyllus Podocarpus Hedge	24" ht. x 18" spr., 24" o.c.	21
PODI	Podocarpus macrophyllus Podocarpus Hedge	42" ht. x 24" spr., 24" o.c.	222
- 6Y	Psychotria nervosa Wild Coffee	24" ht. x 18" spr., 24" o.c.	181
э с н	Schefflera arboricola Variegated Trinette	24" ht. x 18" spr., 24" o.c.	532
ER	Serenoa repens Saw Palmetto	18" ht. x 18" spr., 24" o.c.	128
HR	Galphimia gracilie Thryallie	24" ht. x 18" spr., 24" o.c.	167
RI	Tripsacum dactyloides Fakahatchee Grass	24" ht. x 18" spr., 24" o.c.	265
10	Viburnum obovatum Walters Viburnum	24" ht. x 18" spr., 24" o.c.	178

quantity of single species not to exceed 25% = 2579

St. Augustine Floratam

CODE COMPLIANCE DATA

CODE COMPL	IANCE DA			
Sec. 13-443 Minimum Landscape Requirements for Zoning Districts				
(2) I tree + 6 shrubs / 2000 SF of plot area Plot area 189,491 SF / 2000 =	95 trees required			
Plot area 189,497 9F / 2000 = 95 x 6 =	95 trees required 134 trees provided or exist 570 shrubs required			
, , , , , , , , , , , , , , , , , , , ,	570 shrubs provided			
walkway area of residential buildings. Each	 d. Landscaping is required within the front and side walkway area of residential buildings. Each 40 linear feet requires 1 tree + 10 shrubs or 1 tree + 			
Building A 231' / 40 =	6 trees required			
	6 trees provided 58 shrubs required 58 shrubs provided or			
	173 groundcover required 173 groundcover provided			
<u>Building B</u> 200' / 40 =	5 trees required 5 trees provided 50 shrubs required 50 shrubs provided or			
	150 groundcover required 150 groundcover provided			
Building C 200' / 40 =	5 trees required 5 trees provided			
	50 shrubs required 50 shrubs provided or			
	150 groundcover required 150 groundcover provided			
<u>Building D</u> 231' / 40 =	6 trees required 6 trees provided			
	58 shrubs required 58 shrubs provided or			
	173 groundcover required 173 groundcover provided			
Building E 200' / 40 =	5 trees required 5 trees provided			
	50 shrubs required 50 shrubs provided or			
	150 groundcover required 150 groundcover provided			
<u>Building F</u> 231' / 40 =	6 trees required 6 trees provided			
	58 shrubs required 58 shrubs provided or			
	173 groundcover required 173 groundcover provided			
<u>Building G</u> 182' / 40 =	5 trees required 5 trees provided			
	46 shrubs required 46 shrubs provided or			
	137 groundcover required 137 groundcover provided			
Building H 200' / 40 =	5 trees required 5 trees provided			
	50 shrubs required 50 shrubs provided			
	or 150 groundcover required 150 groundcover provided			
<u>Building i</u> 182' / 40 =	5 trees required 5 trees provided			
	46 shrubs required 46 shrubs provided			
	or 137 groundcover required 137 groundcover provided			
<u>Building J</u> 182' / 40 =	5 trees required 5 trees provided 46 shrubs required 46 shrubs provided			
	or 137 groundcover required 137 groundcover provided			
f. 15' radius clear zone for lights				
g. Recreation areas shall be landscaped in accordance with commercial standards (each 40' around building requires 1 tree + 20 shrubs + 30 groundcover)				
100' / 40' = 18 =	3 trees required			
25 × 20 =	3 trees provided 50 shrubs required 50 shrubs provided			
25 × 30 =	75 groundcover required 75 groundcover provided			
West Property Line 1 tree / 40' = 602' / 2 -				
6 <i>0</i> 2' / 2 =	15 trees required 15 trees provided 301 hedge required 301 hedge provided			

(12) b.		of
(13)	Street Trees (plant in row if possible) 1 tree / 40' (If overhead powerlines, I tree / 30') Hillsboro (includes corner clip) 345' / 40 = NW 5let Terrace 558' / 40 =	9 trees require 9 trees provide 14 trees require
(14)	Sight Triangles a. 0' x 0' (accessway & row) b. 40' x 40' (2 rows)	14 trees provide
(15)	Roadway Buffer Standards a. Widths must conform to 13-331 g. b. Roadway landscape buffers shall be separate parcels on plats and site pl. c. Required landscaping within buffers. 1. Meandering 4 undulating berms 2. Trees 1 tree / 2000 SF If FP4L, I tree / 12000 SF 3. Palms 3 to 1 for each required shad except Royals, Dates, Coconuts 4 id. 4. Hedges 24" ht., 18" o.c. 5. Shrubs 40 shrubs / 2000 SF 6. Groundcover	ane. de tree
	oro Bivd. Roadway Buffer (includes corn : 25 = 8625	er clip) 25' wide platted buffer required 25' wide platted buffer required
	/2000 SF SF/2000 = e 2 =	5 trees require 5 trees provide 173 hedge require
Shrube 4.3 × 4		173 hedge provide 173 shrubs require 173 shrubs provide
Ground	dco∨er	groundcover require groundcover provide
	st <u>Terrace</u> 20' = 10,840 9F	
10,840	9 SF / 2000 =	6 trees required 6 trees provided

271 hedge required 271 hedge provided 271 shrubs required 271 shrubs provided Groundcover groundcover required 6.600 SF / 2000 : 4 trees required 165 hedge required 165 hedge provided 132 shrubs required Shrubs 132 shrubs provided groundcover required Total Trees Required
Total Trees Provided 204 required 6 existing 50% of plant material must be native (excluding groundcover) Trees required $204 \times 50 = 102$ native trees required 82 required 129 provided 40% of required shade/canopy trees 30% of required intermediate trees Palms - 3 to 1 - 50% max of total trees required 53 palms provided (at 3 to 1) Total shrubs and hedges required = 2618 shrubs and hedge required Total shrubs and hedge provided = Shrubs & hedge required 2618 x .50 =

Achieve 40% tree canopy coverage throughout the City with maximum tree coverage on public and private land by 2020: Site = 189,497 eq. ft. x 40% = T5,799 eq. ft. est. tree canopy coverage = (40.3%) 76,380 eq. ft. *

*Based upon category | trees * 300 sq. ft. per tree, category 2 trees * 150 sq. ft. per tree and palms * mature spreads.

Mitigation Trees

Mitigation trees required - 12 trees required

Mitigation trees provided - 12 trees provided (not included in ANY catogory above)

COCONUT CREEK STANDARD LANDSCAPE COMMENTS

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

Coconut Creek Standard Landscape Comments

For all landscape plans and specifications

- All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants, current edition.
- 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 purposes shall be planted with branches touching. Adjust on center spacing as necessary and/or provide additional plants to provide an adequate screen.
- Site distance concerns must be maintained for clear site visibility from thirty (30) inches to seventy-two (72) 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 inspector on site.
- 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. 8. All plant material shall be free of pests, insects, disease, weeds, etc. 9. 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. 10. All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area.
- 11. 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.
- 12. Refer to Coconut Creek Fire Hydrant Clear Zone diagram to maintain a safe zone fronting fire hydrants. 13. Do not plant trees, shrubs or ground cover plants within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical
- 14. All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide 100% coverage with a 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 impervious surfaces and/or be designed or installed to throw water over an impervious surface such as a sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 5:00 pm to 8:00 am only or as may be further restricted by South Florida Water Management District or other jurisdictional agency.
- 15. Irrigation permits and plans shall be submitted for approval at time of building permits. 16. 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 system as required. 17. All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, berms, landscape entr 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. 18. The 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 be a one (1) foot level sod area adjacent to the sidewalk prior to the start of incline for the berm.
- NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".
- 5-18-98\\Pdc\data\Documents\Development Services\Building & Zoning & Code Enforcement

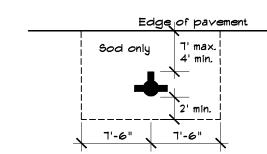
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EXISTING TREE PROTECTION NOTES

SEC. 13-448 (N)

- (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;
 - (3) 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

CLEAR ZONE



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

project:

long

pines

dave bodker landscape architecture/planning inc.

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

561-276-6311

sheet title:

planting plan

#LA0000999

project number: 212 date: 8-3-12 scale: n.t.s. drawn by:

revisions: <u></u> 11−12−12 <u> 3</u> 3-12-13 4-25-13 per comments

sheet: