



TREE CATEGORY

REPLACEMENT TREE CATEGORY	EQUIVALENT REPLACEMENT CANOPY AREA IN S.F.
CATEGORY 1	300 SF
CATEGORY 2	150 SF
CATEGORY 3	100 SF
CATEGORY 4	50 SF

PROVIDED IS 900 S.F. OF REPLACEMENT TREE CANOPY AREA. 3 OAKS USED FOR MITIGATION 3(300) = 900 SF

PROJECT SITE 156,003 S.F.
PROVIDED CANOPY 26,850 S.F. (INCLUDES 900 SF OF MITIGATED CANOPY)
% OF CANOPY ACHIEVED = 17%*

NOTE: THERE IS A CONTINUOUS TREE BUFFER ON THE ADJACENT HOTEL PROPERTY AND RETENTION AREA THAT ABUTS THIS PROPERTY ON THE EAST AND SOUTH PROPERTY LINES. THESE TREES HAVE NOT BEEN COUNTED IN THE % OF CANOPY ACHIEVED, BUT WILL GREATLY ADD TO THAT NUMBER IN REALITY.

TREE REPLACEMENT SPECIES REQUIREMENTS

REPLACEMENT	SPECIES UTILIZED
1-5 trees	1
6-10 trees	2
11-20 trees	3
21-50 trees	4
51+	5

THERE ARE 3 TREES TO BE REPLACED ON SITE, THEREFORE, 1 SPECIES MUST BE UTILIZED IN THE PROPOSED TREES.

TREE REPLACEMENT PERCENTAGE OF CATEGORY 1 TREES

50% OF REPLACEMENT TREES NEED TO BE CATEGORY 1 TREES.

PROVIDED IS 100% CATEGORY 1 REPLACEMENT TREES - SEE NOTES ON SHEET LP-1- MITIGATION DATA.

CITY OF COCONUT CREEK

STANDARD LANDSCAPE NOTES

- All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land Development Code. Plans are incomplete without written notes and specifications.
- All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants, current edition. Trees shall not be tipped, topped, or shaped prior to installation.
- 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.
- 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 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.
- 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.
- Color-treated or dyed mulch will not be accepted.
- 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 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 p.m. to 8:00 a.m. only or as may 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 system as required.
- 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.
- 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.
- 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".

PLANT LIST

CAT.	REPLACEMENT AREA S.F.	KEY	QTY	PLANT AND SPECIFICATION
TREES AND PALMS				
△ 1	1,200	N AR	4	Acer rubrum (Red Maple) 12' ht., 5' spr., 2" cal., full canopy
△ 2	1,350	N CES	18	Conocarpus erectus 'sericus' (Silver Buttonwood) 12' ht., 5' spr., 2" cal., full canopy
1	900	BB	3	Bauhinia blakeana (Hong Kong Orchid) 12-14' ht., 6' spr., full canopy
3	1,700	LL	17	Ligustrum japonicum (Japanese Privet) 10' ht., 6' spr., full canopy
△ 1	9,900	N QV	33	Quercus virginiana (Live Oak) 12' ht., 6' spr., 2" cal., full canopy
△ 3	1,700	N RR	17	Roystonea regia (Royal Palm) 6'-8" g.w., 18' o.a. ht. min., heavy, matched
△ 2	5,400	SS	27	Senna surattensis (Glucous Cassia) 10' ht., 6' spr., 6' c.t., 2" cal., full canopy
3	2,400	N SP	24	Sabal palmetto (Sabal Palm) 14' ht.-21' staggered hts. full
2	450	TA	3	Tabebuia caraiba (Yellow Trumpet) 12' ht., 6' spr., 2" cal. min., full canopy
4	200	VM	4	Velutia montgomeryana (Montgomery Palm) 10' c.t. hts., 16' o.a. ht., heavy
△ 3	1,500	WB	15	Wodyetia bifurcata (Foxtail Palm) 8' g.w. hts., 16' o.a. ht., heavy
total	26,850 s.f.			• (3) LIVE OAKS USED FOR REPLACEMENT (MITIGATION). SEE SHEET TR-1

KEY QTY PLANT AND SPECIFICATION
SHRUBS, GROUNDCOVERS AND ACCENTS

ANN	50	Flowering Annuals (Species by Season) 8" ht., 6" spr., 12" o.c.
ALV	26	Alpinia zerumbet 'variegata' (Variegated Shell Ginger) 24" ht., 24" spr., full, 36" o.c.
△ ARV	170	Schefflera arboricola 'Trinette' (Variegated Schefflera) 16" ht., 16" spr., full, 18" o.c.
△ N CHR	650	Chrysobalanus icaco (Cocoplum) 24" ht., 18" spr., full, 18" o.c. on North property line and west buffer. plant to form a continuous hedge at time of planting. other Cocoplum to be planted 24" ht., 24" o.c.
COR	16	Cordyline terminalis 'Auntie Lou' (Ti Plant) 30" ht., 18" spr., 20" o.c.
FGI	985	Ficus microcarpa 'Green Island' 12" ht., 14" spr., full, 20" o.c.
△ HAM	90	Hamelia patens 'Dwarf' (Dwarf Firebush) 24" ht., 20" spr., full, 30" o.c., 3 gal.
IXN	59	Ixora 'Nara Grant' (Pink Ixora) 20" ht., 20" spr., full, 2" o.c.
△ N MUH	245	Muhlenbergia capillaris (Muhly Grass) 12" ht., 12" spr., full, 30" o.c., 4" pots
PR	2	Phoenix roebelenii (Dwarf Date Palm) 5' ht., triples, matched
△ POD	55	Podocarpus macrophylla (Podocarpus Hedge) 42" ht., 20" spr., full, 24" o.c.
△ △ N IVS	460	Ilex vomitoria 'nana schillings' (Yaupon Holly) 18" ht., 18" spr., full, 18" o.c.
N VIB	240	Viburnum obovatum 'Mrs. Shillers Delight' (Walters Viburnum) 18" ht., 20" spr., full, 2" o.c., 3 gal.
SOD		St. Augustine 'Floratum'- contractor to determine quantity
SEED		Bahia Seed- contractor to determine quantity
△ MULCH		Non-cypress mulch. contractor to determine quantity

N DENOTES NATIVE SPECIES

MIN. TREE SPECIFICATIONS

SHADE/CANOPY TREES: 40% MIN. OF REQUIRED TREES. 57/125= 46%

INTERMEDIATE TREES: 30% MIN. OF REQUIRED TREES. 44/125= 35%

SMALL TREES: NO MORE THAN 10% OF REQUIRED TREES. 0/125=0%

PALMS: NO MORE THAN 50% OF REQUIRED TREES. 31/125=25%

SPECIES DIVERSIFICATION

THERE ARE 136 TREES PROVIDED ON SITE. THEREFORE, NO MORE THAN 34 TREES (25%) OF ONE SPECIES CAN BE USED.
THERE ARE 10 SPECIES OF TREES/PALMS USED ON THE PLAN INCLUDING 6 SPECIES OF TREES AND 4 SPECIES OF PALMS.

VUA LANDSCAPE AREA CALCULATION

VUA=56,995.81 SF
56,995.81 SF / 100 SF = 570 SF OF REQUIRED LANDSCAPE AREA
SEE CIVIL DRAWINGS AND SITE PLAN FOR SITE CALCULATIONS OPEN SPACE CALCULATIONS AND PARKING CALCULATIONS.

GREEN CITY PLAN - TREE CANOPY ACHIEVED

PROJECT AREA = 156,003 SF.
CANOPY ACHIEVED = 26,850 SF OR 17% CANOPY ACHIEVED-

NATIVE CALCULATIONS

TREES: THERE ARE 105 TREES ON PLAN. 55 ARE NATIVE = 52% OF TREES ARE NATIVE

PALMS: THERE ARE 31 PALMS ON PLAN. 25 ARE NATIVE = 80% ARE NATIVE.:

SHRUBS: THERE ARE 3048 SHRUBS ON PLAN. 1595 ARE NATIVE = 52% ARE NATIVE.:

date	revision	RESPONSE TO CITY COMMENTS	RESPONSE TO CITY COMMENTS
△ 4-22-14			
△ 5-12-14			

commission: 13051

principal: CBP

project manager: CBP

file name: LP-1

date: 01-28-14

title:

PLANT LIST
NOTES AND
DETAILS

LP-2

of: 4 | L