

NOTES:

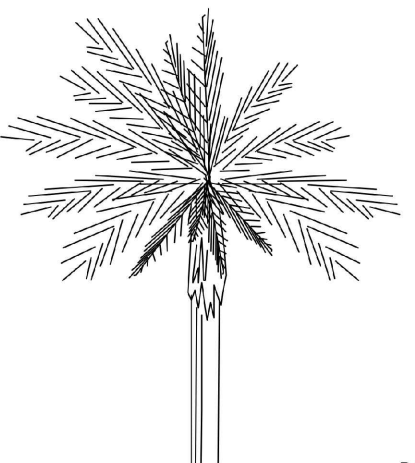
1. THIS DISTANCE SHALL BE 12" MINIMUM FROM ALL CITY FACILITIES IF NO ROOT BARRIER IS USED.



CITY OF DELRAY BEACH
ENVIRONMENTAL SERVICES DEPARTMENT
DESIGN STUDIO BOCA, DELRAY BEACH, FLORIDA 33484

TYPICAL TREE WITHOUT
ROOT BARRIER

DATE: 06-21-2024
LD 1.2



NOTES:

1. ALL ROOT BARRIERS SHALL BE 4" MINIMUM FROM ALL CITY FACILITIES.
2. THE INSTALLATION OF ROOT BARRIERS SHALL BE COORDINATED WITH CITY AND INSPECTED BY CITY PRIOR TO BACKFILLING. ALL ROOT BARRIERS SHALL EXTEND UP TO FINISHED GRADE.
3. ROOT BARRIERS SHALL BE MINIMUM 36" DEEP. APPROVED PRODUCTS INCLUDE: TRESP, ROOT-IT, AND "ROOT SOLUTIONS". FLEXIBLE BARRIERS SHALL BE 36" PANELS MANUFACTURED BY BIOBARRIER.
4. ALL ROOT BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.



CITY OF DELRAY BEACH
ENVIRONMENTAL SERVICES DEPARTMENT
DESIGN STUDIO BOCA, DELRAY BEACH, FLORIDA 33484

TYPICAL TREE WITH ROOT BARRIER

DATE: 06-21-2024
LD 1.1

PLANT LIST

TREES AND PALMS / PLANTS COST ESTIMATE									7/8/2021	
KEY	QTY.	TOTAL	BOTANICAL/COMMON NAME	HEIGHT	SPREAD	CLEAR TRK.	SPA.	REMARKS	UNIT COST	TOTAL COST
AM3		1	Adonidia merrillii Christmas Palm	16'				Triple trunk,	\$300.00	\$300
CN		18	Cocos nucifera 'Green Malay' Green Malayan Coconut Palm		Wood as noted on plan			Stagg. Ht. groups, Full heads	\$400.00	\$7,200
PM		1	Ptychosperma macarthurii Macarthur Palm	18'				Multi - trunk	\$750.00	\$750
CR^		34	Clusia rosea Pitch Apple	16'	7-8'	8' c.t.		Full canopy, 4" Cal. Multi-trunk	\$450.00	\$15,300
PS		3	Phoenix silvestris Sylvester Date Palm			12' c.t.		Matched, full heads	\$2,500.00	\$7,500
IL		3	Ilex latifolia Lusterleaf Holly	6-8'	4'			Full to base 2" Cal.	\$300.00	\$900
TM2^		13	Thrinax morrisii Key thatch palm	16' o.a.				Full heads DoubleTrunk	\$400.00	\$5,200
TM3^		3	Thrinax morrisii Key thatch palm	16' o.a.				Full heads TripleTrunk	\$400.00	\$1,200
SHRUBS AND GROUNDCOVERS										
KEY	QTY.	TOTAL	BOTANICAL/COMMON NAME	HEIGHT	SPREAD	CLEAR TRK.	SPA.	REMARKS	UNIT COST	TOTAL COST
BBK		6	Bougainvillea 'Barbara Karst' Bougainvillea Tree Standard	5-6'	2-3'			Full Head Fucsia, 15 Gal.	\$250.00	\$1,500
CHR^		52	Chrysobalanus icaco 'Red Tip' Cocoplum	24"	18"		2' o.c.	Full cont.	\$10.00	\$520
CLU		44	Clusia guttifera Small leaf Clusia	4'	20-22"	full to base	30" o.c.	Full cont. 7 Gallon cont.	\$45.00	\$1,980
CON^		135	Conocarpus erectus Green Buttonwood	2'	20-22"		2' o.c.	Full cont. 7 Gallon cont.	\$10.00	\$1,350
CON1^		58	Conocarpus erectus Green Buttonwood	5'	20-22"		3' o.c.	Full cont.	\$30.00	\$1,740
CES^		55	Conocarpus e. 'Sericeus' Silver Buttonwood	4'	18"		2' o.c.	Full cont. Full to base	\$10.00	\$550
CRI		4	Crinum asiaticum Crinum Lily	30"	30"			Multi-Full Clump	\$30.00	\$120
HEL^		464	Helianthus debilis Beach Sunflower	12"	12"		18" o.c.	Full Cont.	\$10.00	\$4,640
HIB		28	Hibiscus rosa-sinensis Orange Hibiscus 'Shrub'	24"	18"		2' o.c.	Full cont. Orange FLower	\$10.00	\$280
FIC		357	Ficus microcarpa 'Green Island' Green Island Ficus	16"	16"		2' o.c.	Full cont.	\$10.00	\$3,570
FIC1		62	Ficus microcarpa 'Green Island' Green Island Ficus	24"	24"		2' o.c.	Full cont. 7 Gallon	\$15.00	\$930
GAR		4	Garcinia Spicata Garcinia		Wood as noted on plan			Full cont. Full to base	\$50.00	\$200
GAR1		6	Garcinia Spicata Garcinia	5'				Full cont. Full to base	\$50.00	\$300
JAS		50	Jasminum volubile Waxleaf Jasmine	18"	18"		2' o.c.	Full cont.	\$10.00	\$500
MON		30	Monstera Deliciosa Swiss Cheese Plant	18"	18"		2' o.c.	Full cont.	\$10.00	\$300
NEP		40	Nephrolepis b. 'Furcans' Fishtail Fern	18"	18"		2' o.c.	Full Cont.	\$10.00	\$400
NOD		54	Nerium oleander 'Dwarf' Dwarf Oleander	18"	18"		2' o.c.	Full cont., Pink flower.	\$10.00	\$540
PHC		38	Philodendron 'Red Congo' Red Congo Philodendron	18"	18"		2' o.c.	Full clump	\$15.00	\$570
PHO3		2	Phoenix roebellini 'Triple' Pygmy Date Palm		5-6'	3-5' c.t.		Triple trunk, full heads	\$250.00	\$500
RUS		94	Russelia equisetiformis Firecracker	24"	24"		2' o.c.	Full cont. 7 Gallon	\$10.00	\$910
TRA		19	Trachelospermum Jasminoides Confederate Jasmine Vine		4-5' long runners			12" o.c 3 Gal. Trained on Cable System	\$30.00	\$720
TRI1		30	Tripsacum dactyloides Dwarf Fakahatchee Grass	12"	12"		2' o.c.	Full clump	\$10.00	\$300
YUC		4	Yucca aloifolia Spanish Bayonet Yucca	4-5'	3-4'			Full cont.	\$75.00	\$300
UNI^		545	Uniola paniculata Sea Oats			6" Springs	12" o.c.	Full cont.	\$10.00	\$5,450
SEA		150	Seasonal color Variety and color to be selected at time of installation						\$10.00	\$1,500
^ Indicates plant material native to Florida									TOTAL COST:	\$59,020.00

^ Indicates plant material native to Florida

MISCELLANEOUS

Planting soil - 1/2 cu. yd. per tree and 4" depth at all hedges and mass planting beds.
Sand - Palms to be planted in clean sand; 1/2 cu. yd. per palm.
Mulch - 3" depth of shredded mulch or pine straw at all hedges and mass planting beds.

GENERAL NOTES

- ^ Indicates plant material native to Florida
- All sod to be Empire Zoysia sod.
- All plant materials shall conform to the standards for Florida No. 1 or better as given in "Grades and Standards for Nursery Plants", Latest Edition, State of Florida Department of Agriculture, Tallahassee, or thereto.
- All trees shall be properly guyed and staked at the time of planting to ensure proper establishment.
- The planting soil for all planting areas shall be composed of a minimum of 30% muck or horticulturally acceptable organic material. The minimum soil depth shall be four inches in all hedges and mass planting beds and 1/2 cu. yd. per tree. Palms to be planted in clean sand.
- Three inches minimum of shredded mulch or pine straw shall be installed around each tree and palm and throughout mass planting beds.
- Irrigation system to provide 100% coverage to landscaped areas with 100% overlap. Irrigation to be an automatic system with a rain gauge moisture sensor shut-off.
- In case of discrepancies, planting plan takes precedence over plant list.
- Landscape contractor is responsible for his own quantity take-offs.

"EXISTING NATIVE SOIL WITHIN ALL LANDSCAPE ISLANDS, INTERIOR LANDSCAPE STRIPS AND PERIMETER LANDSCAPE STRIPS, ADJACENT TO VEHICULAR USE AREAS, SHALL BE EXCAVATED DOWN TO A DEPTH OF THIRTY (30) INCHES BELOW EXISTING GRADE, EXCEPT FOR A 12" BUFFER FROM THE INSIDE OF THE CURB OR PAVEMENT. A SUITABLE PLANTING SOIL MIXTURE OF FIFTY/FIFTY (50/50), SIXTY/FORTY (60/40) (SAND/TOPSOIL) OR AS OTHERWISE INDICATED BY THE REGISTERED LANDSCAPE ARCHITECT, SHALL EITHER BE BACKFILLED IN PLACE OF THE NATIVE SOIL OR EFFICIENTLY MIXED WITH THE NATIVE SOIL TO CREATE AN OPTIMUM ENVIRONMENT FOR SUCCESSFUL ROOT DEVELOPMENT. IF NATIVE SOIL IS TO BE MIXED, IT SHALL FIRST BE SCREENED TO REMOVE ROCKS AND DEBRIS LARGER THAN ONE-HALF (1/2) INCH IN DIAMETER PRIOR TO MIXING. ALL PROPERTIES UNDER THIS SECTION SHALL BE REQUIRED TO HAVE AN OPEN BED INSPECTION PRIOR TO BACKFILLING TO INSURE THE THIRTY (30) INCH DEPTH HAS BEEN MET."

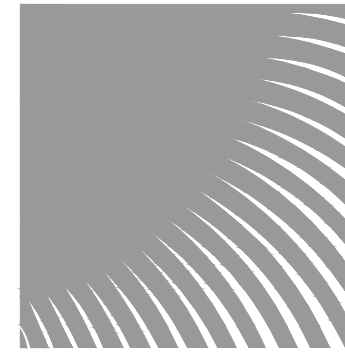
"ALL PROHIBITED PLANT SPECIES SHALL BE ERADICATED FROM THE DEVELOPMENT SITE AND REESTABLISHMENT OF PROHIBITED SPECIES SHALL NOT BE PERMITTED."

LANDSCAPE TABULAR DATA

- a. Total paved area 7,493 SF.
- b. Required interior green space = 749 SF. (10% of total paved area).
- c. Interior green space provided 3,100 SF.
- d. Total number of trees required 6 (1 interior tree is required for each 125 sq.ft. of required interior green space).
- e. Number of interior trees provided 8 trees.
(3 Pitch Apple, 4 (13) Key Thatch Plan Double), 1 (3 Key Thatch Plan Triple)
- f. Perimeter green space required 4,885 SF. (depth of buffers x length).
North Buffer: 423 LF x 5 = 2,115 SF Required. (3,470 SF Provided)
South Buffer: 432 LF x 5 = 2,160 SF Required. (2,770 SF Provided)
West Buffer: 122 LF x 5 = 610 SF Required. (970 SF Provided)
4,885 SF. Required
- g. Perimeter green space provided 7,210 SF.
- h. Number of perimeter trees required 32.6 trees (977 / 30 L.F. = 32.6)
- i. Number of perimeter trees provided 49 trees.
- North Buffer - 14 Trees Required = 14 Pitch Apple
South Buffer - 15 Trees Required = 15 Coconut Palms, 3
West Buffer - 4 Trees Required = 3 Sylvestre Date Palm, 2 Pitch Apple.

XERISCAPE CALCULATIONS

- j. Required shrubs and ground covers 1,700 SF. (30% of required interior and perimeter green space, see b & f).
- k. Shrubs and ground cover provided 5,090 SF.
- l. Required native plant materials 425 SF. (25% of required shrubs & ground cover, see j).
- m. Native plant materials provided 3,570 SF.
- n. Number of native trees required 19 trees (50% of required trees, see d & h)
- o. Native trees provided 39 trees, 3
(34 Pitch Apple, 4 Key Thatch Plan Double (12:4), 1 Key Thatch Plan Triple (3:1).
- Tree Diversity Required: 5 Species.
Tree Diversity Provided: 7 Species.



DSBoca
design studio boca

landscape architects
and planners

LC - 0000396
2300 Corporate Blvd. NW, Suite 214
Boca Raton, Florida 33431
Ph. 561.955.8623
Fax: 561.362.4749
email: landscapedesign@dsboca.com

1625 OCEAN
1625 S. OCEAN BLVD. DELRAY BEACH, FLORIDA
PLANT LIST, NOTES AND DETAILS

REVISIONS:
04-01-2021 Building comments /
Courtyard Design
06-25-21 GMP
07-08-21 SPRAB Review

MAY 17, 2021
DATE
G.C.
DRAWN BY:
M.J.
APPROVED BY:

This drawing is the property of Design Studio Boca, and is an instrument of service not to be reproduced in whole or in part without the express written permission of same.

LP-3

PERMIT