



C.M.B. LANDSCAPE FINAL DRB SUBMITTAL - 08.02.21
450 W. 51ST STREET | MIAMI BEACH, FLORIDA

CLIENT / PROPERTY INFORMATION

PROPERTY ADDRESS
 420 W. 51st STREET
 MIAMI BEACH, FL 33140

EXISTING VEGETATION SUMMARY

The existing vegetation located on the property is composed mostly of small palms, one coconut palm, a multi-trunk clusia rosea along the western seawall and a ficus along the eastern property line. The landscape architect is requesting to remove the existing vegetation on site. Please note that the landscape architect intends to provide an improved landscape design that shall mitigate for the palm and tree loss by introducing new native trees to the site and meet all landscape requirements set forth by C.M.B. Chapter 126.

SCOPE OF WORK

- New landscape design to complement new Residence

INDEX OF SHEETS

- L0.00** Landscape Cover + Sheet Index
- L1.00** Existing Tree Survey + Disposition Plan
- L1.01** Existing Tree Chart + Mitigation Summary
- L2.00** Ground Floor Landscape Plan
- L3.00** Plant List, Landscape Code + Details

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DRB

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420 W 51st St

MIAMI BEACH, FL 33140



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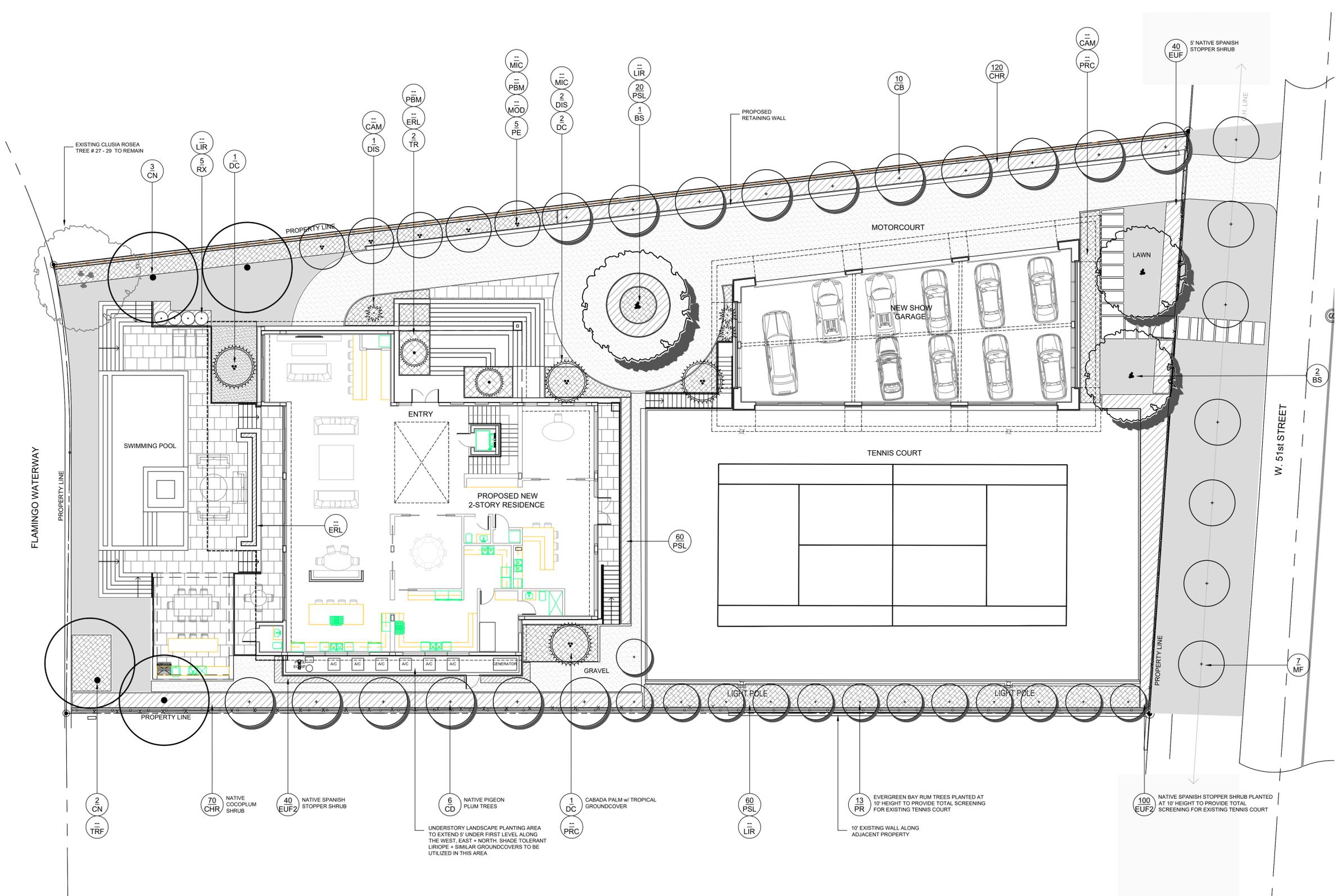
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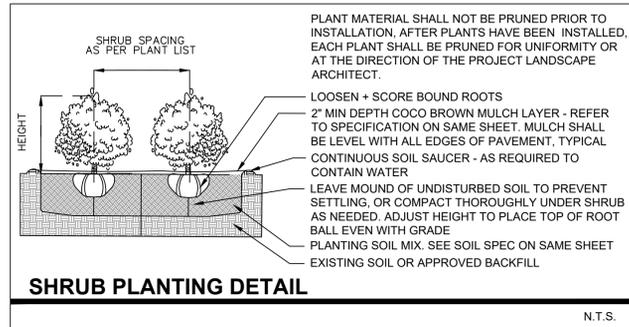
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GROUND FLOOR LANDSCAPE PLAN

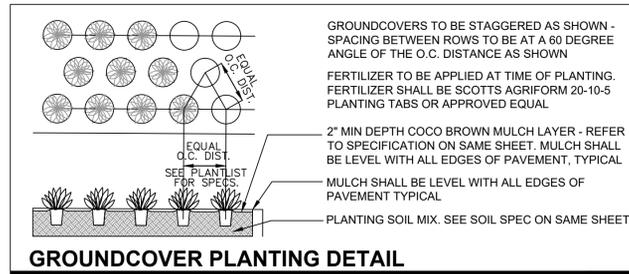


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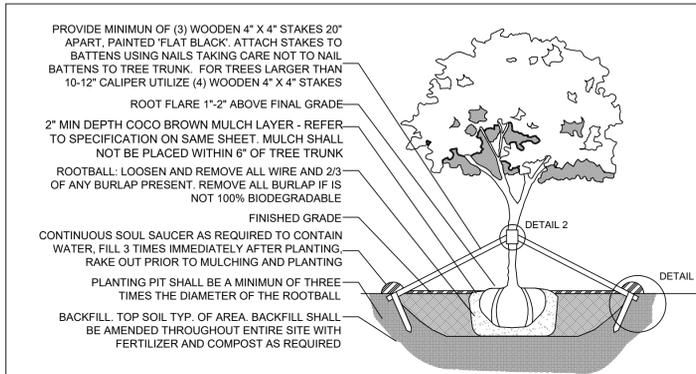
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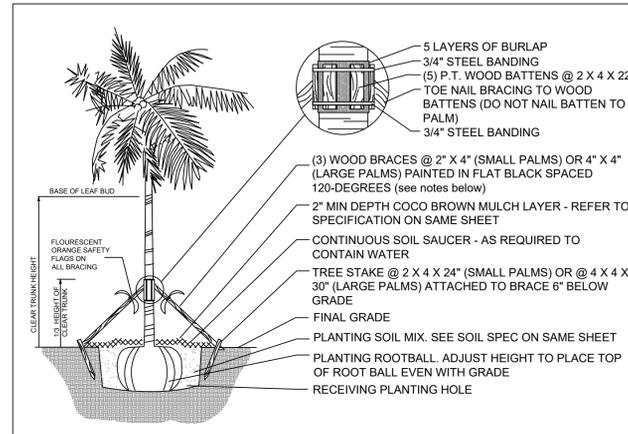
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LANDSCAPE LEGEND

MIAMI BEACH LANDSCAPE ORDINANCE CHAPTER 26 (RS1 - RS4 Single Family Home Residential)

ZONING: RS2 **LOT SIZE:** 28,316 SF **ACRES:** .65

SHRUBS
12 SHRUBS (OR VINES) REQUIRED FOR EACH REQUIRED LOT AND STREET TREE OR 12 X (35) = 420 SHRUBS REQUIRED / 470 SHRUBS PROVIDED (140 NATIVE SPANISH STOPPER SHRUBS + 190 NATIVE COCOPLUM SHRUBS + 140 NATIVE DWARF BAHAMA COFFEE PROVIDED)

NATIVE SHRUBS
50% OF TOTAL SHRUBS REQUIRED MUST BE NATIVE OR .50 X 348 = 210 NATIVE SHRUBS REQUIRED / 470 NATIVE SHRUBS PROVIDED (140 NATIVE SPANISH STOPPER SHRUBS + 190 NATIVE COCOPLUM SHRUBS + 140 NATIVE DWARF BAHAMA COFFEE PROVIDED)

LARGE SHRUBS / SMALL TREES
10% OF TOTAL SHRUBS REQUIRED MUST BE LARGE SHRUBS OR SMALL TREES OR .10 X 348 = 42 LARGE SHRUBS REQUIRED / 330 LARGE SHRUBS / SMALL TREES PROVIDED (140 NATIVE SPANISH STOPPER SHRUBS + 190 NATIVE COCOPLUM SHRUBS PROVIDED)

NATIVE LARGE SHRUBS / SMALL TREES
50% OF TOTAL LARGE SHRUBS REQUIRED MUST BE NATIVE OR .50 X 35 = 21 NATIVE LARGE SHRUBS REQUIRED / 330 NATIVE LARGE SHRUBS PROVIDED (140 NATIVE SPANISH STOPPER SHRUBS + 190 NATIVE COCOPLUM SHRUBS PROVIDED)

LAWN AREA
50% MAXIMUM OF LANDSCAPE AREA. NEW LAWN AREAS ARE LESS THAN 50% OF LANDSCAPE AREA

IRRIGATION SYSTEM
100% COVERAGE PROVIDED PURSUANT TO CMB REQUIREMENTS SET IN CHAPTER 126

TREES
FRONT YARD - 2 TREES REQUIRED / 3 TREES PROVIDED
REAR YARD - 3 TREES REQUIRED / 3 TREES PROVIDED

TOTAL OF 5 TREES REQUIRED FOR LOTS UP TO 6,000 SF. 1 ADDITIONAL TREE IS REQUIRED FOR EACH ADDITIONAL 1,000 SF OF LOT AREA.

28,316 - 6,000 = 22,316 SF = 28 TOTAL TREES REQUIRED / 32 TREES PROVIDED.
(3 NATIVE GUMBO LIMBO TREES + 6 NATIVE PIGEON PLUM TREES + 13 BAYRUM TREES + 10 BRAZILIAN BEAUTYLEAF TREES PROVIDED)

DIVERSITY REQUIREMENT
21-30 REQUIRED TREES = 6 TREE SPECIES / 6 SPECIES PROVIDED

NATIVE TREES
30% OF REQUIRED TREES OR .30 X 13 = 9 NATIVE TREES REQUIRED / 21 NATIVE TREES PROVIDED (3 NATIVE GUMBO LIMBO TREES + 6 NATIVE PIGEON PLUM TREES PROVIDED)

LOW MAINTENANCE TREES
50% OF REQUIRED TREES OR .50 X 13 = 15 LOW MAINTENANCE REQUIRED / 22 LM TREES PROVIDED (3 NATIVE GUMBO LIMBO TREES + 6 NATIVE PIGEON PLUM TREES + 13 BAYRUM TREES PROVIDED)

STREET TREE REQUIREMENT
AVERAGE STREET TREE SPACING 20' ON CENTER
W. 51st STREET: 130 LF / 20 = 7 STREET TREES REQUIRED / 7 STREET TREES PROVIDED (7 NATIVE SIMPSON STOPPER TREES PROVIDED)

PLANT LIST - 420 W 51 ST.

KEY	QTY.	NATIVE	COMMON NAME	BOTANICAL NAME	HEIGHT, SPECIFICATION, & NOTES
TREES					
BS	3	YES	GUMBO LIMBO TREE	Bursera simaruba	20' ht min, 10' spread min, 6" dbh, specimen
CB	10	NO	BRAZILIAN BEAUTYLEAF TREE	Calophyllum brasiliense	16' ht min, 10' spread min, 6" dbh, standard trunk
CD	6	YES	PIGEON PLUM TREE	Coccoloba diversifolia	16' ht min, 8' spread min, 4" dbh, standard trunk
CS	ALT	YES	SILVER BUTTONWOOD TREE	Conocarpus erectus 'Sericeus'	16' ht min, 8' spread min, 4" dbh, multi trunk
PR	13	NO	BAYRUM TREE	Pimentea racemosa	12' ht min, 6' spread min, 2" dbh, standard trunk, equal to Treeworld Wholesale
MF	7	YES	SIMPSON STOPPER TREE	Myrcianthes fragrans	12' ht min, 6' spread min, 2" dbh, 5' clear trunk, standard trunk, equal to Treeworld Wholesale
PALMS					
CN	5	NO	COCONUT PALM	Cocos nucifera 'Maypan'	8' gray wood, leaning, Florida Fancy
DC	4	NO	CABADA PALM	Dypsis cabadae	16' ht OA, full
PE	5	NO	ALEXANDER PALM	Ptychosperma elegans	12'-13' ht clear trunk, 7-8' gray wood, double, #2 thin trunk
TR	ALT	YES	THATCH PALM	Thrinax radiata	4'-5' height OA
RX	5	NO	LADY PALM	Rhapis excelsa	15 gallon, 3' - 4' height
SHRUBS					
EUF	40	YES	SPANISH STOPPER SHRUB	Eugenia foetida	15 gallon, 5' height, 2' spread, 30" on center
EUF2	100	YES	SPANISH STOPPER SHRUB	Eugenia foetida	25 gallon, 10' height, 2' spread, 30" on center
CHR	190	YES	COCOPLUM	Chrysobalanus icaco 'horizontal'	15 gallon, 5' height, 2' spread, 30" on center
PSL	140	YES	DWARF BAHAMA COFFEE	Psychotria ligustrifolia	7 gallon, 2' - 3' height, 30" spread
GROUNDCOVERS					
CAM	AS REQ	NO	CARISSA 'EMERALD BLANKET'	Carissa macrocarpa	3 gallon, 12" on center, full
DIS	AS REQ	NO	DIOON	Dioon spp.	7 gallon, 3' height x 3' spread
ERL	AS REQ	YES	GOLDEN BEACH CREEPER	Ernodea littoralis	1 gallon, 12" on center, full
LIR	AS REQ	NO	LILYTURF	Liriope muscari	1 gallon, 12" on center, full
MIC	AS REQ	NO	WART FERN	Microsorium scolopendrium	1 gallon, 12" on center, full
MOD	AS REQ	NO	SWISS CHEESE PLANT	Monstera deliciosa	3 gallon, 24" on center, full
PGC	AS REQ	NO	PHILODENDRON 'GREEN CONGO'	Same	3 gallon, 18" on center, full
PBM	AS REQ	NO	PHILODENDRON 'BURL MARX'	Same	3 gallon, 18" on center, full
PRC	AS REQ	NO	PHILODENDRON 'ROJO CONGO'	Same	3 gallon, 18" on center, full
TRF	AS REQ	YES	DWARF FAKAHATCHEE	Tripsacum floridiana	7 gallon, 30" spread, full
SOD, AGGREGATE & MULCH					
MLC			AMERIGROW 'PREMIUM PINEBARK BROWN' SHREDDED MULCH		
SOD			NATIVE SEA SHORE PASPALUM LAWN - OVER 2" TOPSOIL BED, SEE PLANTING SPECS		
DGA			3/8" DECOMPOSED GRANITE AGGREGATE OR STONE TO BE SELECTED, INSTALLED OVER FILTER FABRIC AND WEED BARRIER MATERIAL / OLIMAR, 2" MIN. DEPTH		

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PLANT LIST, LANDSCAPE CODE + DETAILS

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