



## PRELIMINARY LANDSCAPE PLAN

SCALE: 3/32" = 1'-0"



## CITY OF MIAMI BEACH LANDSCAPE LEGEND

ZONING: RS-4	NET LOT AREA: 16,256 SF. ACRES 0.37
LANDSCAPE OPEN AREA	REQUIRED PROVIDED
A. FRONT LANDSCAPE (35% OF THE REQ. FRONT SETBACK) *	2,102#
B. SIDE (STREET) LANDSCAPE 35% OF THE REQ. STREET SETBACK) *	N/A N/A
C. REAR LANDSCAPE (10% OF THE REQ. REAR SETBACK) *	2,315#

### LAWN AREA CALCULATIONS

A. MAXIMUM LAWN AREA (SOD) PERMITTED = 50% x 16,256# =	8,128# 4,520#
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### TREES

A. NUMBER OF TREES REQUIRED PER LOT:	
4. TREES PER LOT (2 IN BACK, 2 IN FRONT) + 12 ADDITIONAL TREES (1 TREE REQ. FOR EVERY 1,000# OVER 6,000#) (+ 16 TOTAL LOT TREES)	16 18
B. % NATIVES REQUIRED: NUMBER OF TREES REQUIRED x 30% =	7 16
C. % LOW MAINTENANCE / DROUGHT AND SALT TOLERANT REQUIRED: NUMBER OF TREES REQUIRED x 50% =	11 22
D. STREET TREES (MAXIMUM AVERAGE SPACING OF 20' O.C.) 125' LINEAR FEET ALONG STREET DIVIDED BY 20' =	6 2 EX. + 4 NEW
E. STREET TREE SPECIES ALLOWED DIRECTLY BENEATH POWER LINES: (MAXIMUM AVERAGE SPACING OF 20' O.C.)	N/A N/A
N/A LINEAR FEET ALONG STREET DIVIDED BY 20' =	

### SHRUBS

A. NUMBER OF SHRUBS REQUIRED: SUM OF LOT AND STREET TREES x 12 =	264 284
B. % NATIVE SHRUBS REQUIRED: NUMBER OF SHRUBS REQUIRED x 50 % =	126 202

### LARGE SHRUBS OR SMALL TREES

A. NUMBER OF LARGE SHRUBS OR SMALL TREES REQUIRED: NUMBER OF REQUIRED SHRUBS x 10% =	27 52
B. % NATIVE LARGE SHRUBS OR SMALL TREES REQUIRED: NUMBER OF LARGE SHRUBS OR SMALL TREES PROVIDED x 50% =	14 52

## PLANT LIST

QTY.	KEY BOTANICAL NAME	COMMON NAME	D.T. SIZE & REMARKS
<b>TREES:</b>			
1	BS BURSERIA SIMARUBA	GUMBO LIMBO	Δ** MIN. 16' HT. x 8' SP. x 4" DBH, F.G.
2	CB CALOPHYLLUM BRASILIENSE	BRAZILIAN BEAUTYLEAF	** MIN. 12' HT. x 6' SP. x 2" DBH, 4' C.T., F.G.
5	CEB CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTWOOD	Δ** MIN. 12' HT. x 2" DBH, STD., F.G.
5	CD COCCOLOBA DIVERSIFOLIA	PIGEON PLUM	Δ** MIN. 12' HT. x 2" DBH, MALE SPECIES, F.G.
4	LI LAGESTROEMIA INDICA	CRAPE MYRTLE	** MIN. 8' HT., MULTI-TRUNK, RED FLOWERS, F.G.
3	QV QUERCUS VIRGINIANA	LIVE OAK	Δ** MIN. 16' HT. x 8' SP. x 4" DBH, 5' C.T., F.G.
<b>PALMS:</b>			
3	FB PHOENIX CANARIENSIS	CANARY ISLAND DATE	** MIN. 10' G.W., MATCHED, F.G.
5	RE ROYSTONIA ELATA	ROYAL PALM	Δ * MIN. 25' O.AHT., MATCHED, F.G.
<b>LARGE SHRUBS:</b>			
52	CG CLUSIA GUTTIFERA	DWARF CLUSIA	Δ** MIN. 6' HT., 30" O.C., FULL
<b>SHRUBS:</b>			
55	AW ACALYPHA WILKESIANA	INFERNO COPPERLEAF	** 1 GAL., 30" O.C., S.R.
27	BS BOUGAINVILLEA SPP.	DWARF BOUGAINVILLEA	** 3 GAL., 24" O.C., T.S.
118	CEB CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTWOOD	Δ** 3 GAL., 24" O.C., S.R.
84	ZP ZAMIA FUMIDA	COONTIE	Δ** 3 GAL., 24" O.C., T.S.
<b>GROUNDCOVERS:</b>			
TO BE DETERMINED			
<b>SOD:</b>			
4,520#	SOD STENOTAPHRUM SECUNDATUM	ST. AUGUSTINE FLORATAM	Δ * SOLID SOD
* INSIDE PROPERTY LINE			
1,020#	SOD 2 STENOTAPHRUM SECUNDATUM	ST. AUGUSTINE FLORATAM	Δ * SOLID SOD
IN ROW OF WAY AREA			
<b>ABBREVIATIONS:</b>			
O.A.H.T.	OVERALL HEIGHT	MIN. MINIMUM	* MODERATE DROUGHT TOLERANCE
STG.	STAGGERED	STD. STANDARD	** VERY DROUGHT TOLERANT
S.R.	SINGLE ROW	O.C. ON CENTER	Δ NATIVE
T.S.	TRIANGULAR SPACING	GAL. GALLON	
S.T.	SINGLE TRUNK	G.W. GREY WOOD	
D.T.	DOUBLE TRUNK		

## LANDSCAPE NOTES

- ALL PLANT MATERIAL SHALL BE GRADED FLORIDA #1 OR BETTER, AS DEFINED IN THE GRADES AND STANDARDS FOR NURSERY PLANTS, PART I AND II BY THE STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE.
- ALL LANDSCAPE MATERIAL SHALL COMPLY WITH COUNTY, CITY OR LOCAL ORDINANCES.
- SYMBOLS REPRESENT PLANTS AT MATURE STAGE, NEVER AT TIME OF INSTALLATION.
- VERIFY WITH OWNER'S REPRESENTATIVE OR SITE SUPERVISOR OF ANY EXISTING UNDERGROUND UTILITIES AND/OR EASEMENTS PRIOR TO THE INSTALLATION OF PLANT MATERIAL.
- ALL TREES, SHRUBS AND GROUNDCOVERS SHALL RECEIVE 3" DEPTH OF SHREDDED FLORIMULCH.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR THEIR OWN QUANTITY TAKE OFF, IN CASE OF ANY DISCREPANCIES, PLAN SHALL TAKE PRECEDENCE OVER PLANT LIST.
- SOLID SOD SHALL BE ST. AUGUSTINE FLORATAM.
- THERE SHALL BE A 24" WIDE STRIP OF FLORIMULCH BETWEEN SOD AND SHRUBS/GROUNDCOVERS.
- TERRA-SORB MOISTURE RETENTION GRANULES SHALL BE ADDED TO ALL TREE/PALM FITS AT THE RATE RECOMMENDED BY MANUFACTURER.
- PLANTING SOIL SHALL CONSIST OF AN EVENLY BLENDED MIX OF 50% MUCK, 25% SAND, 15% SPHAGNUM PEAT MOSS & 10% SHEEP MANURE. TWO LBS. OF FERTILIZER SHALL BE ADDED TO EACH CUBIC YARD OF SOIL & THOROUGHLY MIXED. PLANTING SOIL SHALL HAVE A PH OF BETWEEN 6.0 & 7.0 AFTER MIXING & ADDITION OF FERTILIZER.
- TOPSOIL MIX SHALL CONSIST OF 80% SAND & 20% MUCK THOROUGHLY MIXED WITH A COMMERCIAL SHREDDER. MIX SHALL BE FREE OF ROCKS, LIMBS, ROOTS & OTHER MATTER.
- ALL EXISTING SOD OUTSIDE THE LIMIT OF WORK LINE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH SAME SPECIES AT NO COST TO OWNER.
- ALL PLANTING BEDS MUST BE FREE OF SURFACE ROCK WITH A DIAMETER OF 1/2" PRIOR TO INSTALLATION OF WEED FABRIC.
- ALL PLANT MATERIAL, EXCLUDING SOD, TO BE WARRANTED AS FOLLOWS: SHRUBS AND GROUNDCOVER FOR 90 DAYS, LARGE SHRUBS (OVER 10 GAL.) AND SMALL PALMS FOR 180 DAYS, & 180 DAYS MATERIAL FOR 360 DAYS PROVIDED THAT PLANT MATERIAL IS RECEIVING PROPER MAINTENANCE PRESCRIBED BY LANDSCAPE CONTRACTOR. Note: Acts of God (Hurricanes) and other causes beyond the control of the landscape contractor are not covered.
- ALL WARRANTIES TO RUN CONCURRENTLY, BEGINNING UPON LANDSCAPE ARCHITECT'S FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS OWNER OR GC REQUIRES CONSTRUCTION PHASING BEYOND CONTROL OF THE INSTALLER.
- WATERING IS THE RESPONSIBILITY OF THE INSTALLER DURING THE INSTALLATION PHASE UNTIL FINAL ACCEPTANCE.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THEIR WORK WITH THE IRRIGATION CONTRACTOR. TREES SHALL NOT BE PLANTED ON TOP OF IRRIGATION LINES.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE TO ASSURE IRRIGATION INSTALLATION IS PROPERLY PROGRESSING AND IN THE END ADEQUATE FOR GOOD GROWTH. THE OWNER OR GC MUST BE NOTIFIED IN WRITING OF ANY PROBLEMS WITH IRRIGATION PHASING OR PERFORMANCE.
- ANY EXISTING IRRIGATION TO BE RE-USED (IF APPLICABLE) IS TO BE BROUGHT TO A GOOD FUNCTIONING STANDARD TO ENSURE PROPER WATERING OF ALL PLANT MATERIAL.
- AN UNDERGROUND AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL LANDSCAPE AREAS, THIS IS DESIGNED FOR "HEAD TO HEAD" COVERAGE.
- DEEPROOT PANELS TO BE PLACED ALONG PERIMETER OF ALL LANDSCAPE ISLANDS THAT CONTAIN GUMBO LIMO TREES. MINIMUM 2" DEPTH PANELS TO BE USED.

## NEW TREE - 1 YEAR MAINTENANCE PLAN

### WATER:

ALL NEW TREES TO BE ON A AUTOMATED IRRIGATION SYSTEM WITH RAIN SENSOR.  
1ST MONTH WATER EVERYDAY.  
2ND. THROUGH 6TH MONTHS - EVERY OTHER DAY.  
1TH THROUGH COMPLETE YEAR - 2 TIMES A WEEK.  
NOTE: ADJUST IRRIGATION DURATION TIMES TO ENSURE THAT TREE'S ROOT BALL IS COMPLETELY SATURATED WITH WATER.  
IRRIGATION WATER FREQUENCY AND DURATIONS MAY VARY DUE TO TIME OF YEAR AND CLIMATE CONDITIONS.

### FERTILIZER:

USE A PALM SPECIAL FERTILIZER, 8-2-12, FROM ATLANTIC FERTILIZER, 1 LBS. PER INCH CALIPER OF TREE EVERY 3 MONTHS.

### MULCH:

INSPECT AND REPLACE MULCH AFTER 6 MONTHS WITH APPROVED FLORIMULCH, EUCALYPTUS OR MELALEUCA MULCH ONLY.  
NO RED COLORED OR CYTFRESS MULCH TO BE USED.

### TRIMMING & PRUNING:

PRUNE ONLY CRITICAL BRANCHES (DEAD OR BROKEN)

### STAKING AND BRACING:

INSPECT ALL TREE TIES AND STAKING AND ADJUST AS NEEDED. REMOVE ANY STAKING MATERIAL THAT IS IN CONTACT WITH TREE AFTER A PERIOD OF NO MORE THAN 6 MONTHS AFTER INITIAL PLANTING AS THE TREE SHOULD BE WELL ESTABLISHED BY THEN.

No.	REVISIONS	BY
1	REVIEW COMMENTS	LMLH

**NOTICE:**  
GENERAL CONTRACTOR FOR CONSTRUCTION. IT IS YOUR RESPONSIBILITY TO WORK TOGETHER WITH THE ARCHITECTURAL & ENGINEERING DRAWINGS. IF ANY DISCREPANCIES APPEAR, CALL THE ARCHITECTS & THE ENGINEERS OF RECORD BEFORE CONTINUING ANY WORK.

PROPOSED NEW RESIDENCE FOR:  
MR. JORGE FERNANDEZ

PROJECT  
TITLE

LOCATED AT:  
1060 N 47 ST  
MIAMI BEACH, FL 33140

PROJECT  
LOCATION

**CALIL**  
ARCHITECTS  
1728 CORAL WAY, SUITE-702 MIAMI, FLORIDA 33145  
(305) 555-5522  
EDUARDO A. CALIL, ARCHITECT LICENSE # 000935  
WWW.CALILARCHITECTS.COM



SHEET No.

L-1

DRAIN	LR
CHECKED	LMLH
DATE	APRIL 2021
SCALE	SHOWN
JOB No.	



DESIGNING BEAUTIFUL SPACES

**LLA** LAURA LLERENA & ASSOCIATES

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DRAWINGS AND SPECIFICATIONS AS INSTRUMENTS OF SERVICE ARE AND SHALL REMAIN THE PROPERTY OF THE LANDSCAPE ARCHITECT. WHETHER THE PROJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT, THEY ARE NOT TO BE USED BY OWNER ON OTHER PROJECTS EXCEPT BY AGREEMENT IN WRITING AND WITH APPROPRIATE COMPENSATION TO THE LANDSCAPE ARCHITECT.