



C.M.B. LANDSCAPE FINAL DRB SUBMITTAL - 08.02.21

NEW RESIDENCE | 93 PALM AVENUE | MIAMI BEACH, FLORIDA

CLIENT / PROPERTY INFORMATION

PROPERTY ADDRESS
93 PALM AVENUE
MIAMI BEACH, FL 33139

EXISTING VEGETATION SUMMARY

The existing vegetation located on the property is composed mostly palms and a few small trees throughout the property. Please note that the landscape architect is proposing to preserve + protect the fig tree along the northern property line, as well as the coconut palm within the R.O.W. The landscape architect is requesting to remove the remaining vegetation on site. Please note that the landscape architect intends to provide an improved landscape design that shall mitigate for the palm 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, Notes + Details
L2.00 Ground Floor Landscape Plan
L3.00 Plant List, Landscape Code + Details

Rev.	Date	Rev.	Date

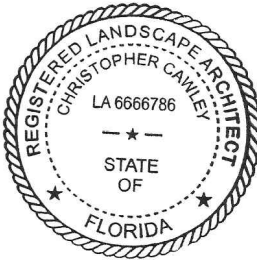
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PRIVATE RESIDENCE

93 PALM AVE
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Owner:

PRIVATE RESIDENCE

Landscape Architect:

Name
Address
Tel:
Email

Consultant:

Name
Address
Tel:
Email

Consultant:

Name
Address
Tel:
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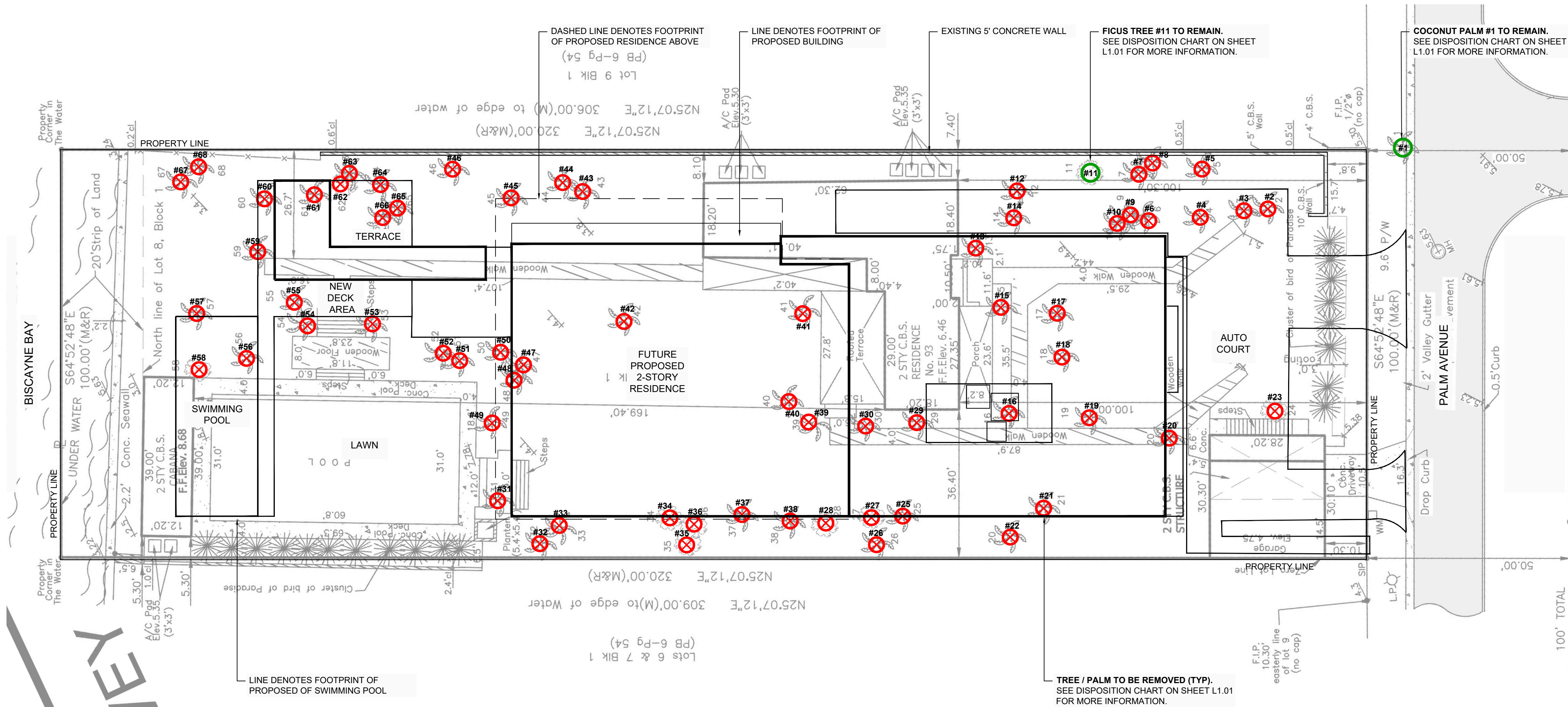
Architect of Record:

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KOBİ KARP
Lic. # AR0012578



Date: 8-2-2021	Sheet No.
Scale :	L0.00
Project # : 2138	



C.M.B. EXISTING TREE SURVEY LEGEND

TREE or PALM TO BE REMOVED. SEE CHART L1.01.

TREE or PALM TO REMAIN. PRESERVE + PROTECT

C.M.B. CHAPTER 46, DIVISION 2 - TREE INVENTORY + DISPOSITION PLAN NOTES

- THIS 'EXISTING TREE INVENTORY + DISPOSITION PLAN' HAS BEEN PREPARED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH, CHAPTER 46 - ENVIRONMENT, DIVISION 2, TREE PRESERVATION and PROTECTION ORDINANCE.
- EXISTING TREE, PALM, AND VEGETATION INFORMATION AS INDICATED HAS BEEN PREPARED AS AN OVERLAY ON THE SURVEY PREPARED BY AMERICAN SERVICES OF MIAMI, CORP... DATED 04.13.21
- THE INFORMATION AS PRESENTED HEREIN HAS BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT ON 06.04.21.
- MIAMI BEACH P+Z MUST APPROVE LANDSCAPE PLANS PRIOR TO REMOVING ANY TREES OR PALMS WITH A DBH BETWEEN 6" AND 12" INCHES. A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM CITY OF MIAMI BEACH GREENSPACE MANAGEMENT / P.W FOR THE REMOVAL OF TREES / PALMS WITH A DBH GREATER THAN 12" INCHES OR IN THE R.O.W.
- THE OWNER RESERVES THE RIGHT TO REMOVE ANY VEGETATION NOT LOCATED WITHIN THE CITY R.O.W. w/ a D.B.H. OF LESS THAN 6" WITHOUT OBTAINING A TREE REMOVAL PERMIT.
- THERE ARE NO TREES or PALMS LOCATED ON THIS PROPERTY THAT WILL REQUIRE TEMPORARY IRRIGATION. ALL EXISTING TREES + PALMS ARE MATURE AND ARE CURRENTLY THRIVING WITHOUT SUPPLEMENTAL IRRIGATION WATER.

EXISTING TREE SURVEY + DISPOSITION PLAN



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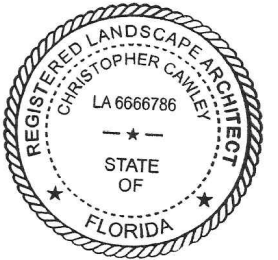
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MIAMI BEACH, FL 33139



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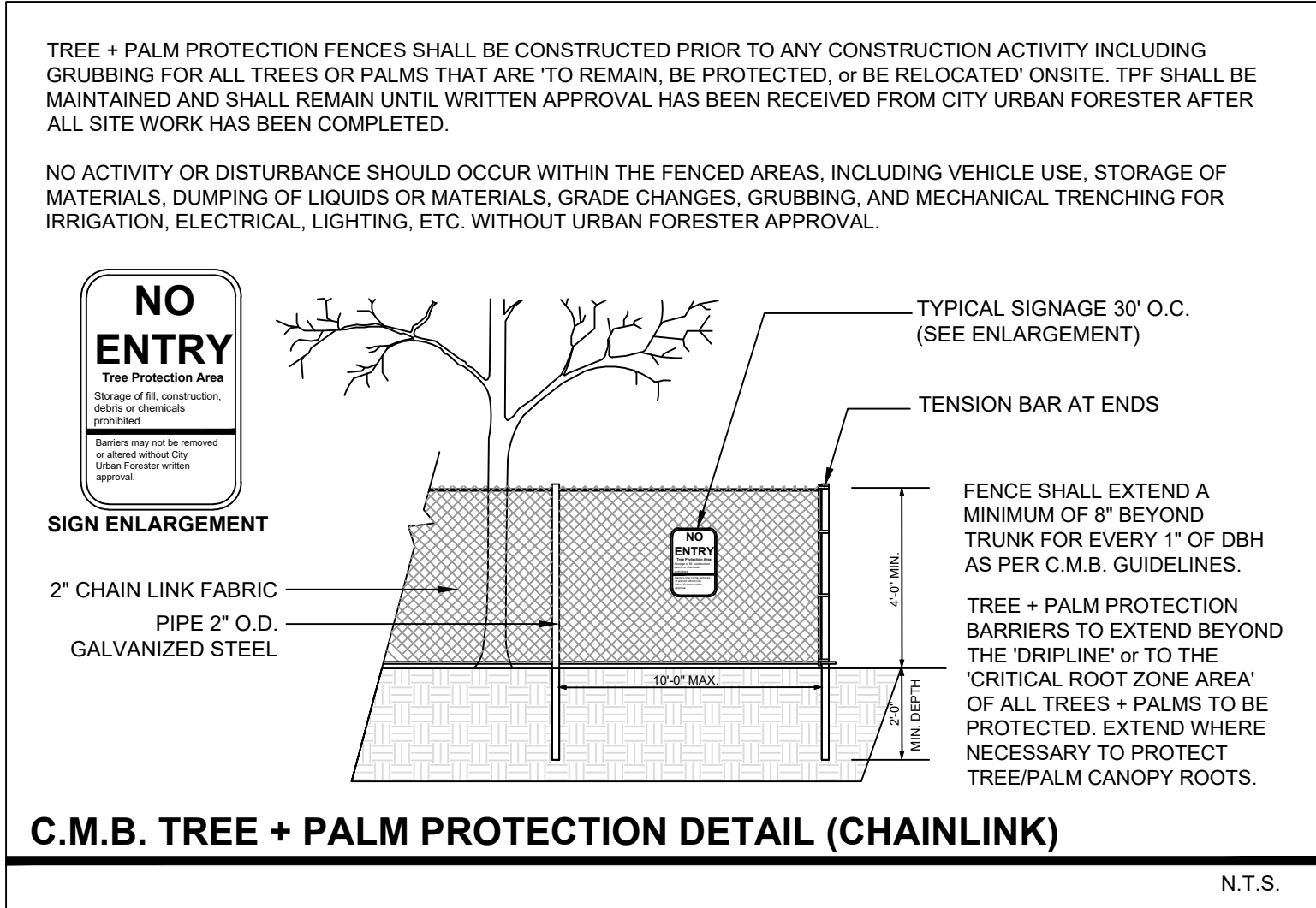
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TREE DISPOSITION SUMMARY				
	TOTAL	REMAIN	REMOVE	RELOCATE
TREES	9	1	8	0
PALMS	58	1	57	0

C.M.B. EXISTING TREE INVENTORY + DISPOSITION CHART - 93 PALM AVE									
#	SCIENTIFIC NAME	COMMON NAME	DBH	HEIGHT	CANOPY	CONDITION	DISPOSITION	MITIGATION	COMMENTS
1	MEXICAN PALM	WASHINGTONIA ROBUSTA	1.0'	60'	12'	FAIR	REMOVE	1 REP. TREE	PRESERVE + PROTECT
2-4	ROYAL PALM	ROYSTONIA ELATA	1.0'	50'	50'	FAIR	REMOVE	3 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
5	ROYAL PALM	ROYSTONIA ELATA	2.0'	60'	60'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
6	ROYAL PALM	ROYSTONIA ELATA	1.0'	50'	50'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
7-8	ROYAL PALM	ROYSTONIA ELATA	1.0'	40'	40'	FAIR	REMOVE	2 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
9-10	MACARTHUR PALM	PTYCHOSPERMA MACARTHUR	0.4'	35'	10'	FAIR	REMOVE	2 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
11	WEEPING FIG	FICUS BENJAMINA	10'	60'	80'	FAIR	REMAIN	N/A	PRESERVE + PROTECT
12-13	ROYAL PALM	ROYSTONIA ELATA	2.0'	60'	50'	FAIR	REMOVE	2 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
14	MACARTHUR PALM	PTYCHOSPERMA MACARTHUR	0.3'	15'	6'	FAIR	REMOVE	N/A	SMALL PALM, NO MITIGATION REQUIRED
15	MACARTHUR PALM	PTYCHOSPERMA MACARTHUR	0.3'	15'	6'	FAIR	REMOVE	N/A	SMALL PALM, NO MITIGATION REQUIRED
16	MACARTHUR PALM	PTYCHOSPERMA MACARTHUR	0.3'	15'	6'	FAIR	REMOVE	N/A	SMALL PALM, NO MITIGATION REQUIRED
17	ROYAL PALM	ROYSTONIA ELATA	1.5'	60'	60'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
18-21	COCONUT	COCOS NUCIFERA	1.8'	50'	50'	FAIR	REMOVE	4 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
22	ROYAL PALM	ROYSTONIA ELATA	1.5'	35'	30'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
23	SEA GRAPE TREE	COCCOLOBA UVIFERA	1.5'	50'	50'	FAIR	REMOVE	18' DBH	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
24	ROYAL PALM	ROYSTONIA ELATA	0.8'	25'	30'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
25	ROYAL PALM	ROYSTONIA ELATA	2.0'	60'	60'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
26	ROYAL PALM	ROYSTONIA ELATA	1.5'	50'	50'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
27-28	UNKNOWN	UNKNOWN	0.5'	20'	20'	FAIR	REMOVE	12' DBH	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
29	BIRD OF PARADISE	STRELITZIA	1.0'	75'	15'	FAIR	REMOVE	N/A	NOT A PALM, NO MITIGATION REQUIRED
30	MACARTHUR PALM	PTYCHOSPERMA MACARTHUR	0.4'	18'	8'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
31	COCONUT	COCOS NUCIFERA	0.8'	20'	20'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
32	ROYAL PALM	ROYSTONIA ELATA	1.5'	50'	50'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
33	MEXICAN PALM	WASHINGTONIA ROBUSTA	0.3'	30'	12'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
34	UNKNOWN	UNKNOWN	0.8'	25'	20'	FAIR	REMOVE	8' DBH	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
35	WEEPING FIG	FICUS BENJAMINA	2.0'	50'	30'	FAIR	REMOVE	24' DBH	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
36	UNKNOWN	UNKNOWN	0.4'	20'	12'	FAIR	REMOVE	4' DBH	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
37-38	BIRD OF PARADISE	STRELITZIA	1.2'	18'	12'	FAIR	REMOVE	N/A	NOT A PALM, NO MITIGATION REQUIRED
39-41	COCONUT	COCOS NUCIFERA	0.8'	25'	25'	FAIR	REMOVE	3 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
42	ROYAL PALM	ROYSTONIA ELATA	1.3'	50'	50'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
43	ROYAL PALM	ROYSTONIA ELATA	1.8'	60'	60'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
44	ROYAL PALM	ROYSTONIA ELATA	1.5'	50'	50'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
45	ROYAL PALM	ROYSTONIA ELATA	1.5'	60'	60'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
46	ROYAL PALM	ROYSTONIA ELATA	1.0'	60'	12'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
47-57	COCONUT	COCOS NUCIFERA	0.8'	30'	30'	FAIR	REMOVE	11 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
58	SEA GRAPE TREE	COCCOLOBA UVIFERA	1.0'	15'	30'	FAIR	REMAIN	12' DBH	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
59	ROYAL PALM	ROYSTONIA ELATA	1.5'	50'	50'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
60	COCONUT	COCOS NUCIFERA	1.8'	30'	35'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
61	COCONUT	COCOS NUCIFERA	1.5'	35'	30'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
62	UNKNOWN	UNKNOWN	1.5'	35'	30'	FAIR	REMOVE	18' DBH	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
63-66	COCONUT	COCOS NUCIFERA	1.2'	40'	40'	FAIR	REMOVE	4 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
67	COCONUT	COCOS NUCIFERA	0.8'	35'	30'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
68	MEXICAN PALM	WASHINGTONIA ROBUSTA	1.5'	40'	10'	FAIR	REMOVE	1 REP. TREE	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
TOTAL TREE DBH LOSS: 96" + THE REMOVAL OF (52) PALMS *									
TREE MITIGATION REQUIRED: (32) REPLACEMENT TREES @ 12'HT x 2" DBH X 6' SPREAD									
PALM MITIGATION REQUIRED: (52) REPLACEMENT TREES @ 12'HT x 2" DBH X 6' SPREAD									

CH. 46 TREE PRESERVATION + PROTECTION / TREE + PALM MITIGATION SUMMARY

TOTAL TREE DBH LOSS: 96"	
REPLACEMENT TREES REQUIRED:	
(32) REPLACEMENT TREES REQUIRED @ 12' HEIGHT + 2" DBH + 6' SPREAD or (16) REPLACEMENT TREES REQUIRED @ 16' HEIGHT + 4" DBH + 8' SPREAD	
REPLACEMENT TREES PROVIDED: 32 REPLACEMENT TREES PROVIDED @ 12' HT + 2" DBH	
BREAKDOWN:	
- (2) NATIVE JUMBO LIMBO TREES @ 20' HEIGHT + 6" DBH + 10' SPREAD = 8 REPLACEMENT TREES	
- (8) BRAZILIAN BEAUTYLEAF TREES @ 18' HEIGHT + 6" DBH + 10' SPREAD = 16 REPLACEMENT TREES	
- (4) BAYRUM TREES @ 16' HEIGHT + 4" DBH + 8' SPREAD = 8 REPLACEMENT TREES	
TOTAL PALMS REMOVED: 52 PALMS	
REPLACEMENT TREES REQUIRED:	
(52) REPLACEMENT TREES REQUIRED @ 12' HEIGHT + 2" DBH + 6' SPREAD or (27) REPLACEMENT TREES REQUIRED @ 16' HT + 4" DBH + 8' SPREAD	
REPLACEMENT TREES PROVIDED: 52 REPLACEMENT TREES PROVIDED @ 12'HT + 2" DBH	
BREAKDOWN:	
- (10) NATIVE PIGEON PLUM TREES @ 16' HEIGHT + 4" DBH + 8' SPREAD = 20 REPLACEMENT TREES	
- (4) NATIVE SEAGRAPE TREES @ 15' HEIGHT + 4" DBH + 8' SPREAD = 8 REPLACEMENT TREES	
- (3) NATIVE SILVER BUTTWOOD TREES @ 16' HEIGHT + 4" DBH + 8' SPREAD = 6 REPLACEMENT TREES	
- (4) NATIVE WILD TAMARINDS @ 16' HEIGHT + 4" DBH + 8' SPREAD = 8 REPLACEMENT TREES	
- (5) BAYRUM TREES @ 16' HEIGHT + 4" DBH + 8' SPREAD = 8 REPLACEMENT TREES	

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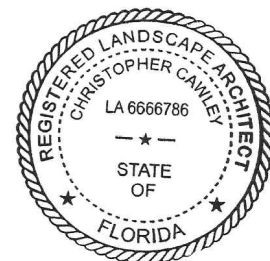
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MIAMI BEACH, FL 33139



Owner:

PRIVATE RESIDENCE

Landscape Architect:
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EXISTING TREE CHART, MITIGATION SUMMARY, NOTES + DETAILS

Date: 8-2-2021	Sheet No.
Scale :	L1.01
Project # : 2138	

Date: 8-2-2021	Sheet No. L2.00
Scale :	
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LANDSCAPE NOTES

1. ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER.
2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF, AVOID, AND PROTECT ALL UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES.
3. TREE, PALM, ACCENT AND BED LINES ARE TO BE LOCATED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. ALL PLANTING SOIL SHALL BE 50:50 TOPSOIL:SAND MIX, FREE OF CLAY, STONES, ROCKS, OR OTHER FOREIGN MATTER. THIS SPECIFICATION INCLUDES ALL BACKFILL FOR BERMS AND OTHER LANDSCAPE AREAS.

CARE SHALL BE TAKEN TO AVOID PLACEMENT OF CONSTRUCTION FILL, GRAVEL, AND OR DEBRIS OVER THE ROOTBALLS OF INSTALLED OR EXISTING TREES AND OR PALMS ON SITE.

GROUNDCOVER PLANTING BEDS:
6" DEPTH PLANTING SOIL SPREAD IN PLACE-THROUGHOUT.

SHRUB AND HEDGE PLANTING AREAS:
12" DEPTH PLANTING SOIL SPREAD IN PLACE-THROUGHOUT.

TREES, PALMS, SPECIMEN PLANT MATERIAL LOCATIONS:
REMOVE ALL LIMEROCK PRESENT TO A DEPTH OF AT LEAST 30" BEFORE PLACING NEW PLANTING SOIL. APPLY NEW CLEAN PLANTING SOIL IN PLANTING AREA AS REQUIRED

5. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO BRING ALL GRADES TO WITHIN 2" OF FINAL GRADES. THIS SHALL INCLUDE A 2" APPLICATION OF 50:50 TOPSOIL:SAND MIX FOR ALL LANDSCAPE AND AREAS TO BE SODDED.

6. THE LANDSCAPE CONTRACTOR SHALL CALCULATE AND SUBMIT AN ITEMIZED PRICE FOR THE 2" APPLICATION OF 50:50 MIX FOR ALL SOD AREAS AS A REFERENCE IN THE CASE THAT THERE WOULD BE A DISCREPANCY BETWEEN SITE AND LANDSCAPE CONTRACTORS AND NOTIFY THE SITE CONTRACTOR OR PROJECT SUPERINTENDENT AS TO THIS DISCREPANCY. IT WILL THEN BE DETERMINED WHICH PARTY WILL PROVIDE THIS 2" TOPSOIL:SAND APPLICATION AND SUBSEQUENT PAYMENT OTHER PLANTING SOIL MIXES TO BE ADDED, I.E. FOR TREES, PALMS, SPECIMEN PLANTS, SHRUBS AND GROUNDCOVERS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR AND BE INCLUSIVE WITH THE LANDSCAPE BID.

7. ALL EXISTING TREE + PALM INFORMATION THAT HAS BEEN PROVIDED ON THIS PLAN FOLLOWS THE CITY OF MIAMI BEACH TREE PERMITTING GUIDELINES. ANY TREES OR PALMS CONSIDERED INVASIVE OR THAT FALLS UNDER THE TREE PERMIT EXEMPTION / PROHIBITED SPECIES LIST 24-94 (4) MAY NOT BE SHOWN FOR CLARITY PURPOSES. ANY DISCREPANCIES IF NOTED UPON FURTHER FIELD INSPECTION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT.

8. IRRIGATION SHALL PROVIDE FOR A 100% COVERAGE WITH 50% OVERLAP MINIMUM AND BE PROVIDED BY A FULLY AUTOMATIC IRRIGATION SYSTEM W/ RAIN MOISTURE SENSOR ATTACHED TO CONTROLLER. ALL FLORIDA BUILDING CODE APPENDIX "F" IRRIGATION REQUIREMENTS SHALL BE STRICTLY ADHERED TO FOR INSTALLATION AND PREVAILING WATER MANAGEMENT DISTRICT RESTRICTIONS AND REGULATIONS SHALL BE IN COMPLIANCE FOR POST-INSTALLATION WATERING SCHEDULES CONTRACTOR SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR AND LEAVE PROVISIONS FOR ALL SLEEVING AND PIPE ROUTING. ALL UNDERGROUND UTILITIES TO BE LOCATED BY DIALING 811 AS REQUIRED BY LAW.

9. ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 2" WITH APPROVED NATURAL SHREDDED COCO BROWN MULCH FREE FROM WEEDS AND PESTS. NO 'NUGGETS', 'CYPRESS MULCH OR RED DYED MULCH' TO BE ACCEPTED. KEEP MULCH 6" AWAY FROM TREE OR PALM TRUNKS AS PER INDUSTRY RECOMMENDATIONS.

10. ALL TREES, PALMS, SHRUBS AND GROUNDCOVERS, AND SOD / LAWN SHALL CARRY A ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.

11. ALL TREES AND PALMS SHALL BE STAKED PER ACCEPTED STANDARDS BY THE FLORIDA NURSERYMEN & GROWERS LANDSCAPE ASSOCIATION (FNGLA) AND ANSI A-300 (PART 6)-2012 TREE, SHRUB, AND OTHER WOODY PLANT MANAGEMENT STANDARD PRACTICES (PLANTING AND TRANSPLANTING). CONTRACTOR SHALL ENSURE THAT THE PLANS, DETAILS, SPECIFICATIONS AND NOTES HAVE BEEN ADHERED TO AND THAT THE LANDSCAPE AND IRRIGATION INSTALLATION IS COMPLIANT TO ALL ITEMS AS DIRECTED ON THE PLANS PRIOR TO SCHEDULING OF THE FINAL INSPECTION.

CONTRACTOR SHALL REMOVE ALL STAKES, POLES, WELLINGTON TAPE AND OR BRACING MATERIALS FROM ALL PALMS, TREES AND SHRUBS WITHIN 1 YEAR OF INSTALLATION.

12. THE PLANT LIST IS INTENDED ONLY AS AN AID TO BIDDING. ANY DISCREPANCIES FOUND BETWEEN THE QUANTITIES ON THE PLAN AND PLANT LIST, THE QUANTITIES ON THE PLAN SHALL BE HELD VALID.

13. IF NECESSARY, CONTRACTOR SHALL PROVIDE A WATER TRUCK DURING PLANTING TO ENSURE PROPER WATERING-IN DURING INSTALLATION AND CONTRACTOR WILL BE RESPONSIBLE FOR CONTINUAL WATERING UNTIL FINAL ACCEPTANCE BY THE OWNER.

A MINIMUM OF 6 MONTHS OF SUPPLEMENTAL HAND OR AUTOMATIC IRRIGATION SYSTEM WATERING SHALL BE REQUIRED TO AID IN NEW TREE OR PALM ESTABLISHMENT.

13. FERTILIZATION: ONE COMPLETE APPLICATION OF GRANULAR FERTILIZER SHALL BE APPLIED PRIOR TO FINAL ACCEPTANCE AND APPROVAL BY THE LANDSCAPE ARCHITECT. FERTILIZER SHALL BE SCOTT'S AGRIFORM 20-10-5 PLANTING TABS OR APPROVED EQUAL AS RECOMMENDED BY LANDSCAPE CONTRACTOR

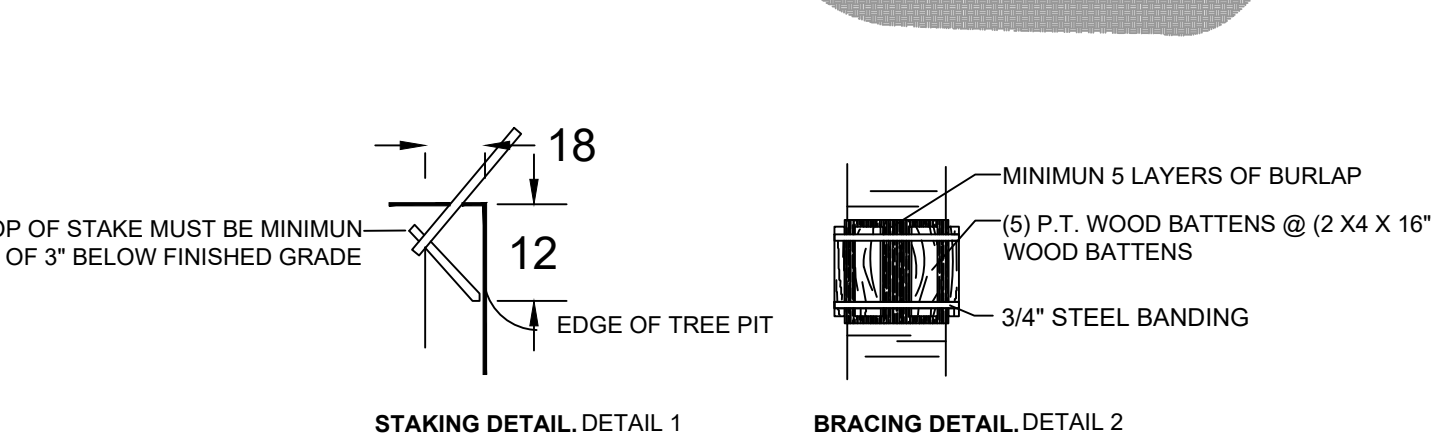
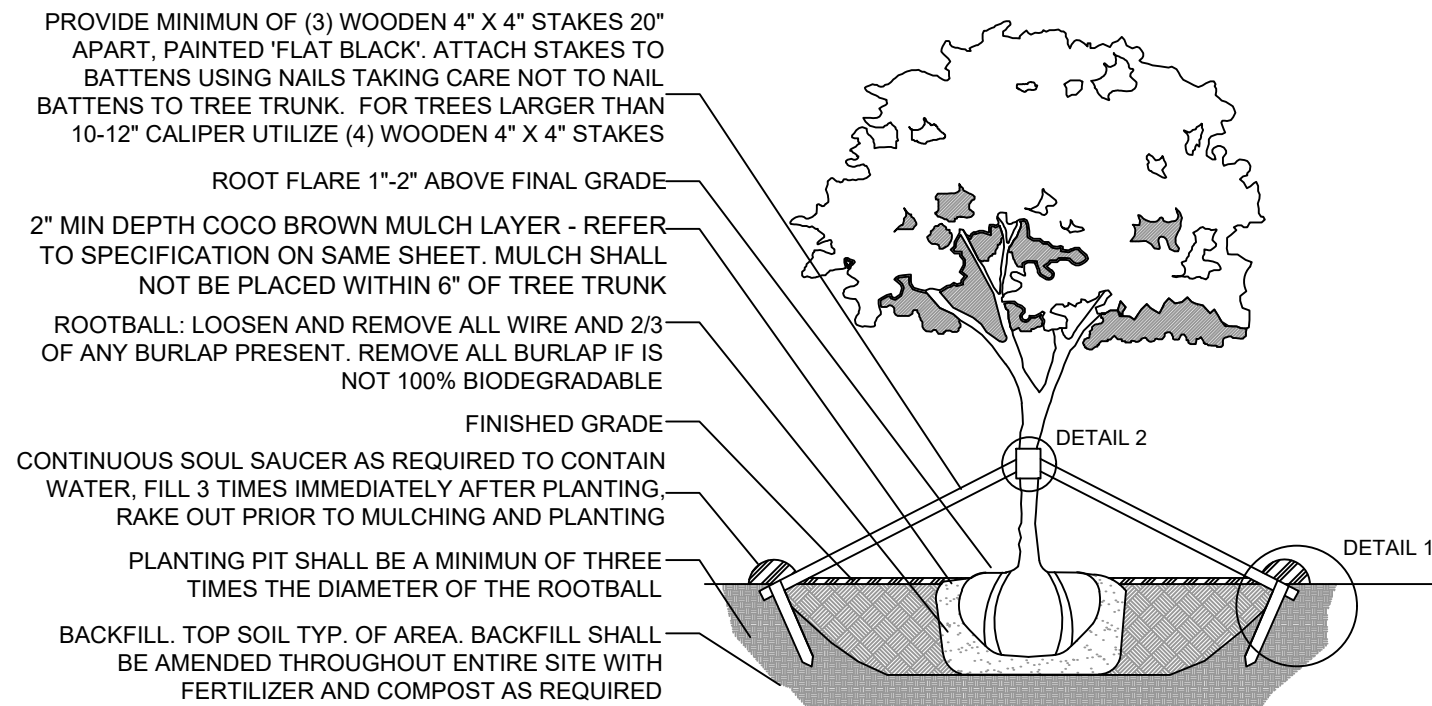
14. SHOULD ANY TREES OR PALMS BE DAMAGED THEY SHALL BE EVALUATED BY THE CITY URBAN FORESTER TO DETERMINE CORRECTIVE ACTIONS THAT MAY INCLUDE REMOVAL, CORRECTIVE PRUNING AND OR REPLACEMENT. ANY CORRECTIVE ACTION REQUIRED SHALL BE PERFORMED IN ACCORDANCE WITH A CITY OF MIAMI BEACH CODE, ANSI-A 300 PRUNING STANDARDS AND OR AN ISSUED ERM TREE PERMIT OR ENVIRONMENTAL PERMIT. ANY CORRECTIVE PRUNING REQUIRED SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST OR ASQA CONSULTING ARBORIST AND THE CITY URBAN FORESTER SHALL BE CONSULTED.

15. ALL TREES + PALMS TO REMAIN OR BE RELOCATED ON SITE IN THE VICINITY OF CONSTRUCTION ACTIVITIES, SHALL BE PROTECTED THROUGH THE USE OF TREE PROTECTION BARRICADES INSTALLED AT THE TREE OR PALM DRIP LINE. A TREE PROTECTION FENCE SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING AND SHALL REMAIN IN PLACE UNTIL ON SITE CONSTRUCTION HAS BEEN COMPLETED.

17. MULCH SHALL NOT BE APPLIED WITHIN 6" OF ANY TREE OR PALM TRUNK THAT IS INSTALLED OR INCORPORATED INTO THE PROJECT. FOR ROW TREES + PALMS, ALL MULCH SHALL BE AMERIGROW PREMIUM PINEBARK BROWN SHREDDED MULCH OR A CITY APPROVED ALTERNATIVE.

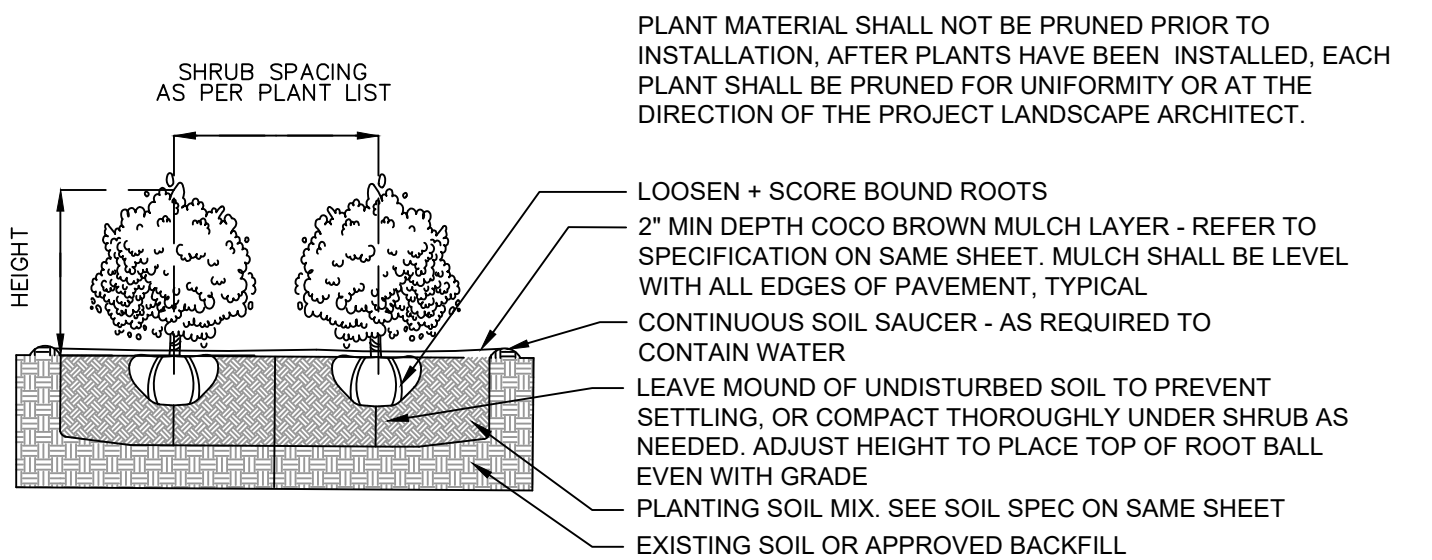
PLANT LIST - 93 PALM AVENUE

KEY	QTY.	NATIVE	COMMON NAME	BOTANICAL NAME	HEIGHT, SPECIFICATION, & NOTES
TREES					
BS	2	YES	GUMBO LIMBO TREE	Bursera simaruba	20' ht min, 10' spread min, 6" dbh, standard trunk
CB	6	NO	BRAZILIAN BEAUTYLEAF	Calophyllum brasiliense	18' ht min, 10' spread min, 6" dbh, 5' clear trunk, standard trunk
CD	10	YES	PIGEON PLUM TREE	Coccoloba diversifolia	16' ht min, 8' spread min, 4" dbh, 5' clear trunk standard
CS	3	YES	SILVER BUTTONWOOD TREE	Conocarpus erectus 'Sericeus'	18' ht min, 8' spread min, 4" dbh, multi-trunk
CU	4	YES	SEAGRAPE TREE	Coccoloba uvifera	Specimen, 12' ht min, 8' spread min, 4" dbh, multi-trunk
LL	4	YES	WILD TAMARIND TREE	Lysiloma latissiliquum	16' ht min, 8' spread min, 4" dbh, 5' clear trunk, standard trunk
PR	9	NO	BAYRUM TREE	Pimenta racemosa	18' ht min, 8' spread min, 4" dbh, 5' clear trunk, standard trunk
PALMS					
CN	6	NO	COCONUT PALM	Cocos nucifera 'Maypan'	8' gray wood, leaning, Florida Fancy
DC	3	NO	CABADA PALMS	Dypsis cabadae	15 gallon, 12" height
LG	1	NO	LICUALA PALM	Licuala grandis	15 gallon, 3'-4' height, Florida Fancy
PE	10	NO	ALEXANDER PALM	Ptychosperma elegans	12'-13' ht clear trunk, 7-8' gray wood, double, #2 thin trunk
SHRUBS					
EUF	ALT	YES	SPANISH STOPPER SHRUB	Chrysobalanus icaco	15 gallon, 5' height, 2' spread, 30" on center
ELD	ALT	NO	JAPANESE BLUEBERRY SHRUB	Elaeocarpus decipiens	15 gallon, 5' height, 2' spread, 30" on center
GYL	300	YES	CRABWOOD SHRUB	Gymnanthes lucida	15 gallon, 5' height, 2' spread, 30" on center
PSL	150	YES	DWARF BAHAMA COFFEE SHRUB	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
ERL	AS REQ.	NO	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
PBM	AS REQ.	NO	PHILODENDRON 'BURLE MARX'	Same	3 gallon, 18" on center, full
PGC	AS REQ.	NO	PHILODENDRON 'GREEN CONGO'	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 floriadana	1 gallon, 18" on center, full
SOD, AGGREGATE & MULCH					
M.C	AMERIGROW PREMIUM PINEBARK BROWN SHREDDED MULCH				
SOD	NATIVE SEA SHORE PASPALUM LAWN - OVER 2" TOPSOIL BED, SEE PLANTING SPECS				



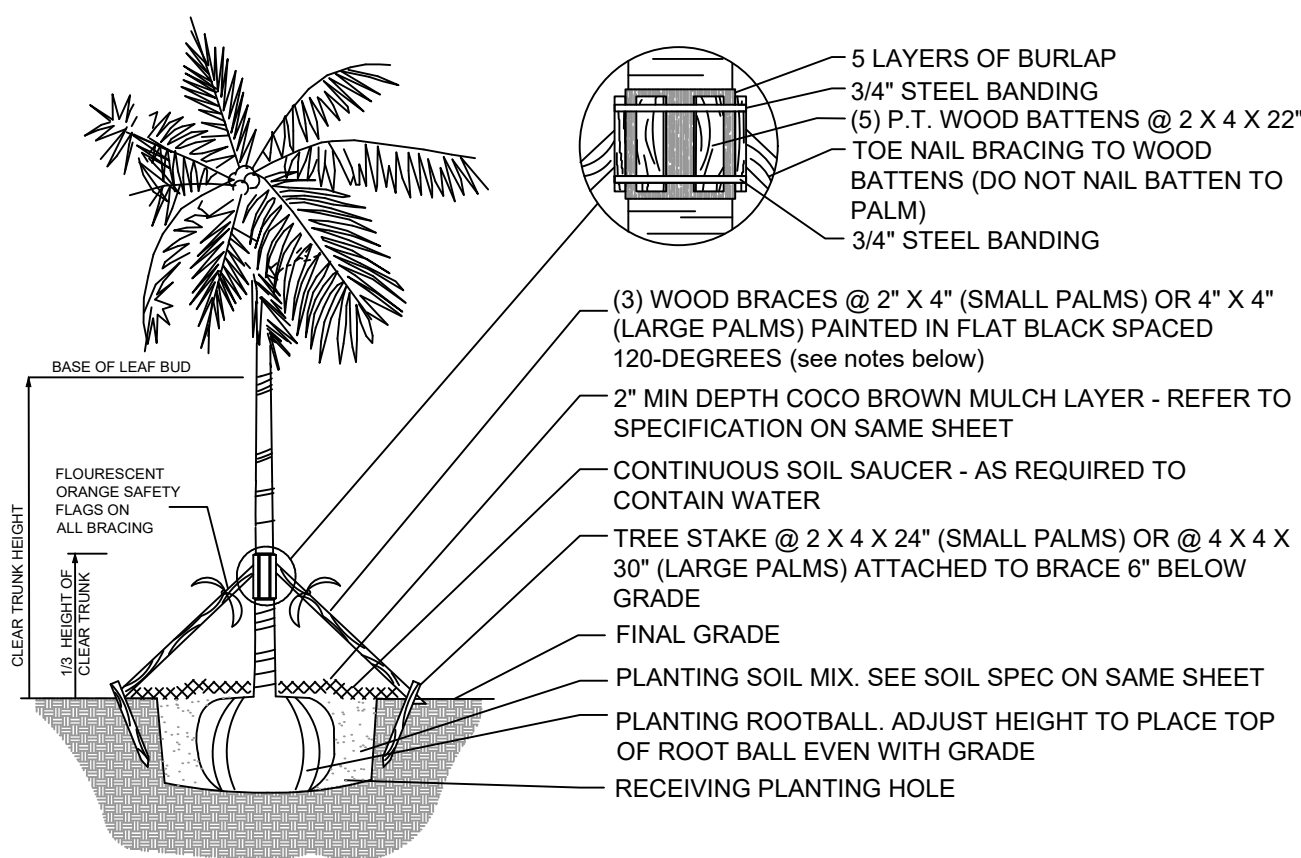
C.M.B. LARGE TREE PLANTING DETAIL

N.T.S.



SHRUB PLANTING DETAIL

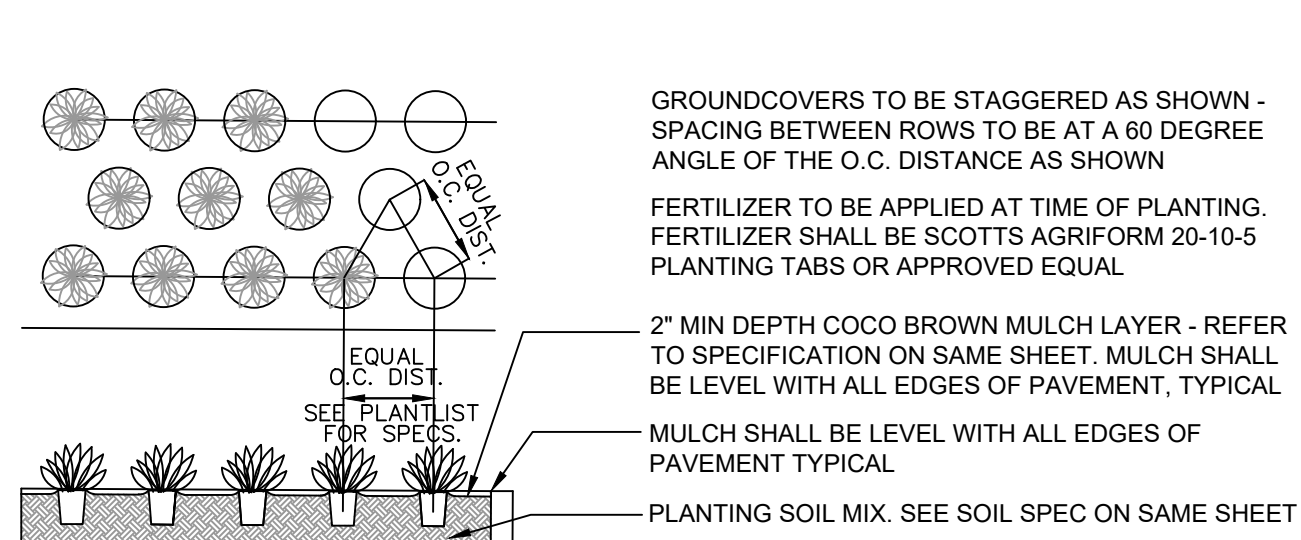
N.T.S.



- NOTES:
- PALMS OVER 30' GW HEIGHT, USE MINIMUM (4) 4" X 4" BRACING AND STAKES
 - PRIMARY STAKES SHOULD BE PLACED PARALLEL TO WALKWAYS WHENEVER POSSIBLE
 - RECEIVING PLANTING HOLE SHALL BE APPROXIMATELY 1/3 LARGER THAN ROOTBALL
 - BUD SHALL BE PERPENDICULAR TO THE GROUND PLANE
 - NO SCARRED OR BLACKENED TRUNKS
 - AMENDED SOIL MIX TO BE ADDED AT THE TIME OF PLANTING NEEDED, SHALL CONSIST OF ATLAS PEAT + SOIL MIX 7036 (COARSE SAND, CANADIAN PEAT, CYPRESS DUST + PERLITE MIX)

C.M.B. PALM PLANTING DETAIL

N.T.S.



GROUNDCOVER PLANTING DETAIL

LANDSCAPE LEGEND

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

ZONING: RS1 LOT SIZE: 31,628 SF ACRES: .73

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.

31,628 - 6,000 = 25,628 SF = 31 TOTAL TREES REQUIRED / 38 TREES PROVIDED.
(3 NATIVE SILVER BUTTONWOOD TREES + 10 PIGEON PLUM TREES + 2 NATIVE GUMBO LIMBO TREES + 4 NATIVE SEAGRAPE TREES + 4 NATIVE WILD TAMARINDS TREES + 9 JAPANESE BLUEBERRY TREES + 2 BAYRUM TREES PROVIDED)

DIVERSITY REQUIREMENT
31 OR MORE REQUIRED TREES = 7 TREE SPECIES / 7 SPECIES PROVIDED

NATIVE TREES
30% OF REQUIRED TREES OR .30 X 31 = 10 NATIVE TREES REQUIRED / 23 NATIVE TREES PROVIDED (3 NATIVE SILVER BUTTONWOOD TREES + 10 PIGEON PLUM TREES + 2 NATIVE GUMBO LIMBO TREES + 4 NATIVE SEAGRAPE TREES + 4 NATIVE WILD TAMARINDS TREES)

LOW MAINTENANCE TREES
50% OF REQUIRED TREES OR .50 X 31 = 29 LOW MAINTENANCE REQUIRED / LM TREES PROVIDED (3 NATIVE SILVER BUTTONWOOD TREES + 10 PIGEON PLUM TREES + 2 NATIVE GUMBO LIMBO TREES + 4 NATIVE SEAGRAPE TREES + 4 NATIVE WILD TAMARINDS TREES + 6 BAYRUM TREES)

STREET TREE REQUIREMENT
AVERAGE STREET TREE SPACING 20' ON CENTER
PALM AVENUE: 100 LF / 20 = 5 STREET TREES REQUIRED / 5 STREET TREES PROVIDED (4 WILD TAMARIND TREES + 1 BAYRUM TREE)

SHRUBS
12 SHRUBS (OR VINES) REQUIRED FOR EACH REQUIRED LOT AND STREET TREE OR 12 X (36) = 432 SHRUBS REQUIRED / 450 SHRUBS PROVIDED (300 NATIVE CRABWOOD SHRUBS + 140 NATIVE DWARF BAHAMA COFFEE SHRUBS PROVIDED)

NATIVE SHRUBS
50% OF TOTAL SHRUBS REQUIRED MUST BE NATIVE OR .50 X 432 = 216 NATIVE SHRUBS REQUIRED / 450 NATIVE SHRUBS PROVIDED (300 NATIVE CRABWOOD SHRUBS + 140 NATIVE DWARF BAHAMA COFFEE SHRUBS PROVIDED)

LARGE SHRUBS / SMALL TREES
10% OF TOTAL SHRUBS REQUIRED MUST BE LARGE SHRUBS OR SMALL TREES OR .10 X 432 = 44 LARGE SHRUBS REQUIRED / 300 LARGE SHRUBS / SMALL TREES PROVIDED (300 NATIVE CRABWOOD SHRUBS)

NATIVE LARGE SHRUBS / SMALL TREES
50% OF TOTAL LARGE SHRUBS REQUIRED MUST BE NATIVE OR .50 X 44 = 22 NATIVE LARGE SHRUBS REQUIRED / 300 NATIVE LARGE SHRUBS PROVIDED (300 NATIVE CRABWOOD SHRUBS)

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

Rev.	Date	Rev.	Date

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ZONING

FINAL SUBMITTAL

PRIVATE RESIDENCE

93 PALM AVE
MIAMI BEACH, FL 33139



Owner:

PRIVATE RESIDENCE

Landscape Architect:

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Address
Address
Tel:
Email

Consultant:

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KOBİ KARP
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PLANT LIST, LANDSCAPE CODE + DETAILS

Date: 8-2-2021	Sheet No.
Scale :	L3.00
Project # : 2138	