# 4540 NORTH BAY ROAD GARDEN 4540 North Bay Road, Miami Beach, FL 33140

DRB21-0711 - FINAL SUBMITTAL 08-02-21

Prepared for:

4540 NBR LLC 655 Madison Ave, 11th Floor New York, NY 10065

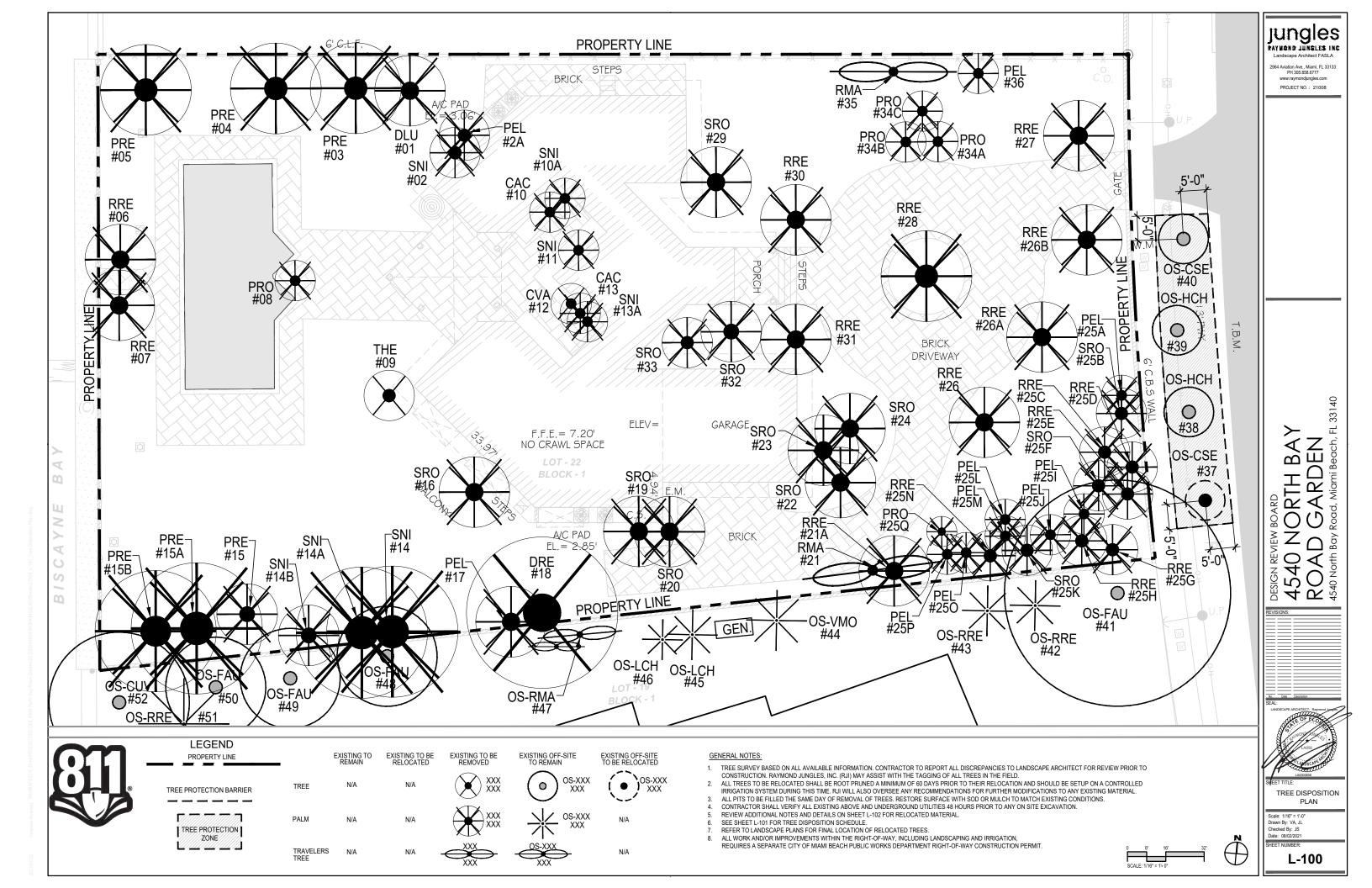
Prepared by:

Raymond Jungles, Inc. Landscape Architect

2964 Aviation Ave. Coconut Grove, FL 33133 P: 305.858.6777 www.raymondjungles.com Florida License No. LC 000258

Sheet #	Drawing Index	DRB21-0711 FIRST SUBMITTAL (07-12-21)	DRB21-0711 FINAL SUBMITTAL (08-02-21)
L-000	COVER	•	•
L-100	TREE DISPOSITION PLAN	•	•
L-101 L-102	TREE DISPOSITION SCHEDULE TREE DISPOSITION NOTES & DETAILS	•	•
L-103	HARDSCAPE PLAN - GROUND FLOOR	•	•
L-104	HARDSCAPE PLAN - FIRST FLOOR	•	•
L-105	(not included in set)		
L-106	CANOPY PLANTING PLAN - GROUND LEVEL	•	•
L-107 L-108	CANOPY PLANTING PLAN - FIRST FLOOR UNDERSTORY PLANTING PLAN - GROUND LEVEL	•	•
1-109	UNDERSTORY PLANTING PLAN - FIRST FLOOR	•	•
L-110	UNDERSTORY PLANTING PLAN - SECOND FLOOR	•	•
L-111	PLANT LIST & MITIGATION CHART	•	•
L-112	LANDSCAPE LEGEND	•	•
L-113	PLANTING DETAILS	•	•
L-114 L-115	PLANTING NOTES & SPECIFICATIONS  LANDSCAPE LIGHTING SPECIFICATIONS	•	•





#### 4540 NORTH BAY ROAD GARDEN

#### TREE DISPOSITION SCHEDULE

Per Arborist's Tree Evaluation Report, Dated 06/28/2021

xisting T	rees and I	Palms			O.A.	Canopy					Mitigation
		Linear Committee		D.B.H.	Height	Diameter	0.000			20100000000	Credits
lden. #1	Symbol	Scientific Name  Dypsis lutescens	Areca Palm	(inch) 42	(feet)	(feet) 20	Condition Moderate	TPZ 4'	Notes	Disposition Remove	Required
#2	SNI	Strelitzia nicolai	White Bird of Paradise	15	22	16	Moderate	4'	Clustering palm; mitigation not required	Remove	N/A
#2A	PEL	Ptychosperma elegans	Solitaire Palm	8	27	16	Good	4'	Double-trunk	Remove	(1) TREE
#3	PRE	Phoenix reclinata	Senegal Date Palm	94	30	30	Good	5'	Clustering palm; mitigation not required (FLEPPC	Remove	2012
#4	PRE	Phoenix reclinata  Phoenix reclinata	Senegal Date Palm Senegal Date Palm	98	30	30	Good	5'	Category II Invasive)	Remove	N/A
#5	RRE	Roystonea regia	Royal Palm	32 18	30	26 20	Good	5'		Remove	(1) TREE
#7	RRE	Roystonea regia	Royal Palm	19	38	26	Good	5'		Remove	(1) TREE
#8	RRO	Phoenix roebelenii	Pygmy Date Palm	5	9	7	Good	3'	Specs do not meet minimum requirements	Remove	N/A
#9	PAM	Persea americana	Avocado Tree	6	23	18	Moderate	6'		Remove	6
#10 #10A	SNI	Carpentaria acuminata Strelitzia nicolai	Carpentaria Palm White Bird of Paradise	7	24	12 16	Good Moderate	4'	Specs do not meet minimum requirements	Remove	N/A
#11	SNI	Strelitzia nicolai	White Bird of Paradise	16	10	9	Poor	4'	Clustering palm; mitigation not required	Remove	IV/A
#12	CVA	Codiaeum variegatum	Croton	2	17	8	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#13	CAC	Carpentaria acuminata	Carpentaria Palm	6	26	14	Good	4'		Remove	(1) TREE
#13A	SNI	Strelitzia nicolai	White Bird of Paradise	16	22	14	Poor	4'		Remove	
#14 #14A	SNI	Strelitzia nicolal Strelitzia nicolal	White Bird of Paradise White Bird of Paradise	15 26	10	24 26	Poor Moderate	4'	Clustering palm; mitigation not required	Remove	N/A
#14A #14B	SNI	Strelitzia nicolai	White Bird of Paradise	28	18	24	Moderate	4'		Remove	
#15	PRE	Phoenix reclinata	Senegal Date Palm	5	30	12	Moderate	5'	Specs do not meet minimum requirements	Remove	N/A
#15A	PRE	Phoenix reclinata	Senegal Date Palm	50	28	26	Moderate	5'	Clustering palm; mitigation not required	Remove	N/A
#15B	PRE	Phoenix reclinata	Senegal Date Palm	48	28	24	Good	5'	Constitute band undeadout not reduied	Remove	
#16	SRO	Syagrus romanzoffiana	Queen Palm	10	24	18	Moderate	4'	Committee of the contract of t	Remove	(1) TREE
#17	DRE	Ptychosperma elegans Delonix regia	Solitaire Palm Royal Poinciana	21	13 55	14 55	Good Moderate	18'	Specs do not meet minimum requirements	Remove Remove	N/A 21
#19	SRO	Syagrus romanzoffiana	Queen Palm	7	28	24	Moderate	4'		Remove	(1) TREE
#20	SRO	Syagrus romanzottiana	Queen Palm	8	22	26	Moderate	4'		Remove	(1) TREE
#21	RMA	Ravenala madagas carlensis	Traveler's Tree	82	27	28	Good	5'	Clustering palm; mitigation not required	Remove	N/A
#21A	RRE	Roystonea regia	Royal Palm	14	40	32	Good	5'		Remove	(1) TREE
#22	SRO	Syagrus romanzoffiana Syagrus romanzoffiana	Queen Palm Queen Palm	10	20	30 10	Moderate Moderate	4'	1	Remove Remove	(1) TREE (1) TREE
#24	SRO	Syagrus romanzoffiana	Queen Palm	10	26	28	Moderate	4'		Remove	(1) TREE
#25A	PEL	Ptychosperma elegans	Solitaire Palm	4	30	12	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25B	SRO	Syagrus romanzoffiana	Queen Palm	10	30	28	Poor	4'		Remove	(1) TREE
#25C	RRE	Roystonea regia	Royal Palm	14	35	32	Good	5'		Remove	(1) TREE
#25D #25E	RRE	Roystonea regia Roystonea regia	Royal Palm Royal Palm	9	30	26 26	Moderate	5'		Remove	(1) TREE
#25F	SRO	Syagrus romanzoffiaria	Queen Palm	11	28	24	Good Poor	4'		Remove Remove	(1) TREE (1) TREE
#25G	RRE	Roystonea regia	Royal Palm	11	30	30	Good	5'		Remove	(1) TREE
#25H	RRE	Roystonea regia	Royal Palm	8	15	20	Good	5'		Remove	(1) TREE
#251	PEL	Ptychosperma elegans	Solitaire Palm	4	35	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#251	PEL	Ptychosperma elegans	Solitaire Palm	3	30	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25K #25L	SRO	Syagrus romanzoffiana Ptychosperma elegans	Queen Palm Solitaire Palm	10 7	30	15 24	Poor Good	4'	Two trunks	Remove Remove	(1) TREE (1) TREE
#25M	PEL	Ptychosperma elegans	Solitaire Palm	4	30	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25N	RRE	Roystonea regia	Royal Palm	10	12	30	Good	5'	Specs do not meet minimum requirements	Remove	N/A
#250	PEL	Ptychosperma elegans	Solitaire Palm	4	30	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25P	PEL	Ptychosperma elegans	Solitaire Palm	4	30	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25Q #26	RRE	Phoenix roebelenii Roystonea regia	Pygmy Date Palm Royal Palm	19	30	8 28	Good	3 <sup>1</sup>	Specs do not meet minimum requirements	Remove	N/A (1) TREE
#26A	RRE	Roystonea regia	Royal Palm	18	35	0	Dead	0		Remove	N/A
#26B	RRE	Roystonea regia	Royal Palm	20	35	0	Dead	0		Remove	N/A
#27	RRE	Roystonea regia	Royal Palm	22	30	28	Good	5'		Remove	(1) TREE
#28	RRE	Roystonea regia	Royal Palm Queen Palm	42	35	25	Moderate	5' 4'	Three trunks	Remove	(1) TREE
#29	SRO	Syagrus romanzoffiana Roystonea regia	Royal Palm	10 20	25	18 30	Poor Moderate	5'		Remove Remove	(1) TREE (1) TREE
#31	RRE	Roystonea regia	Royal Palm	19	35	32	Good	5'		Remove	(1) TREE
#32	SRO	Syagrus romanzoffiana	Queen Palm	7	28	18	Moderate	4'		Remove	(1) TREE
#33	SRO	Syagrus romanzottiana	Queen Palm	8	20	18	Poor	4'		Remove	(1) TREE
#34A	RRO	Phoenix roebelenii	Pygmy Date Palm	3	8	6	Moderate	3'	Specs do not meet minimum requirements	Remove	N/A
#34B #34C	PRO	Phoenix roebelenii Phoenix roebelenii	Pygmy Date Palm Pygmy Date Palm	3	10	6 8	Moderate Moderate	3'	Specs do not meet minimum requirements	Remove Remove	N/A
#340	RMA	Ravenala madagas cariens is	Traveler's Tree	0	28	28	Good	5'	Specs do not meet minimum requirements  Clustering palm; mitigation not required	Remove	N/A N/A
#36	PEL	Ptychosperma elegans	Solitaire Palm	3	28	9	Good	4'	Specs do not meet minimum requirements	Remove	N/A
OS-#37	CSE	Cordia sebestena	Orange Geiger Tree	3	14	12	Good	4'		Remain	L <sup>1</sup>
OS-#38	HCH	Handroanthus chrysanthus	Yellow Tabebuia	7	22	20	Good	6'		Remain	
0S-#39 0S-#40	HCH CSE	Handroanthus chrysanthus Cordia sebestena	Yellow Tabebula Orange Geiger Tree	10 5	25 18	23 18	Good	10' 5'	1	Remain Relocate	
05-#40 05-#41	FAU	Ficus aurea	Strangler Fig	3	10	10	0000	3		Remain	
OS-#42	RRE	Roystonea regia	Royal Palm							Remain	
OS-#43	RRE	Roystonea regia	Royal Palm							Remain	1
OS-#44	VMO	Veltchia montgomeryana	Montgomery Palm							Remain	
0S-#45	LCH	Livistona chinensis	Chinese Fan Palm						+	Remain	
	LCH	Livistona chinensis Livistona chinensis	Chinese Fan Palm Chinese Fan Palm							Remain Remain	
0S-#46 0S-#46										Remain	
0S-#46 0S-#46 0S-#47	LCH RMA	Ravenala madagas cariensis	Traveler's Tree						+		
0S-#46		Ravenala madagas cariensis Ficus aurea	Strangler Fig Tree							Remain	
0S-#46 0S-#47	RMA									Remain Remain	
0S-#46 0S-#47 0S-#48 0S-#49 0S-#50	FAU FAU FAU	Ficus aurea Ficus aurea Ficus aurea	Strangler Fig Tree Strangler Fig Tree Strangler Fig Tree							Remain Remain	
0S-#46 0S-#47 0S-#48 0S-#49	RMA FAU FAU	Ficus aurea Ficus aurea	Strangler Fig Tree Strangler Fig Tree							Remain	

Total Palms Removed Requiring Mitigation

### **4540 NORTH BAY ROAD GARDEN**

4540 North Bay Road, Miami Beach, FL 33140

EXISTING TREES					
Total # of Existing Trees:	2	To remain:	0	To be relocated: 0	To be removed: 2
EXISTING PALMS					

TREE REPLACEMENT CHART

					₹ EXP/
Total diameter of trees) to be removed (sum of inches at DBH)	Total number of replacement trees required (where each replacement tree is a minimum of 2° DBH x 6' spread in canopy x 12' in height)	DR	Total number of replacement trees required (where each replacement tree is a minimum of 4° DBH x 8 spread in canopy x 10° in height)	OR	Contribution to Tree Trust Fund
2'-3'	1	o'r	Ó	or	\$1,000.00
4°-6°	2	bì	1	or	\$2,000.00
7'-12'	4	or.	2	or	\$4,000.00
13'-18"	6	D)*	3	or	\$6.000.00
19"—24"	8	pr	4	or	\$0,000,00
25"—30"	10	D)	Š	o)	\$10,000,00
31"-36"	12	rin .	6	or	\$12,000.00
37"—42"	14	rir	7	or	\$14,000.00
43"—48"	16	10	8	or	\$16,000,00
49"60"	20	roir	10	or	\$20,000.00

- (a) If the sum of the diameter of trees to be removed exceeds a total of 60 inches the additional inches shall be added cumulatively from the top of the chart, down to the bottom of the chart, to calculate the number of trees required as replacement trees.
- (b). Up to 30 percent of the two-non DBH represement tree requirement may be may by planting native species within private property, with a minimum neight of ten feet and a minimum DBH of one and one-half inches at time of planting.
- (c). The removal of a palm shall be replaced with one canopy tree at 12 feet overall height with a two-inch DBH.

Jungles RAYMOND JUNGLES INC

2964 Aviation Ave., Miami, FL 33133 PH 305.858.6777 www.raymondjungles.com PROJECT NO.: 21008

DESIGN REVIEW BOARD

4540 NORTH BAY

ROAD GARDEN

4540 North Bay Road, Miami Beach, FL 33140

TREE DISPOSITION SCHEDULE cale: AS SHOWN rawn By: VA, JL

Scale: AS SHOWN Drawn By: VA, JL Checked By: JS Date: 08/02/2021 SHEET NUMBER:

#### 1. CONTRACTOR QUALIFICATIONS

- CONTRACTOR MUST BE A LICENSED LANDSCAPE CONTRACTOR.
  CONTRACTOR MUST HAVE A MINIMUM OF 10 YEARS OF PROVEN EXPERIENCE RELOCATING LARGE SPECIMEN TREES AND PALMS IN SOUTH FLORIDA.
  CONTRACTOR MUST HAVE PROVEN EXPERIENCE RELOCATING TREES AND PALMS OF THE SAME SPECIES AND SIZE AS THOSE TO BE RELOCATED FOR THE CURRENT PROJECT.
- 1.4. CONTRACTOR MUST HAVE A CERTIFIED ARBORIST ON STAFF.

#### 2. CONTRACTOR REQUIREMENTS

- 2.1. CONTRACTOR MUST VISIT THE JOBSITE AND INSPECT ALL TREES AND PALMS TO BE RELOCATED AS
- WELL AS EXISTING SITE CONDITIONS AND RESTRICTIONS PRIOR TO PREPARING BID.
  CONTRACTOR MUST VERIFY AND ENSURE THAT ALL TREES AND PALMS IDENTIFIED ON THE PLANS AND THOSE TAGGED ON THE JOBSITE CORRESPOND AS TO NUMBER AND DESCRIPTION, ANY
- THOSE TAGGED ON THE JOBSITE CORRESPOND AS TO NUMBER AND DESCRIPTION. ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY, PRIOR TO PREPARING BID. CONTRACTOR MUST CONDUCT ALL WORK ASSOCIATED WITH RELOCATION AND MAINTENANCE OF TREES AND PALMS TO BE RELOCATED. NO WORK IS TO BE SUBCONTRACTED WITHOUT PRIOR WRITTEN CONSENT OF THE OWNER AND/OR LANDSCAPE ARCHITECT.
- CONTRACTOR MUST DESIGNATE A COMPETENT, ENGLISH-SPEAKING SUPERVISOR OR FOREMAN TO OVERSEE AND DIRECT ALL RELOCATION AND MAINTENANCE ACTIVITIES AS OUTLINED IN THESE
- SPECIFICATIONS.

  CONTRACTOR MUST SCHEDULE ROOT PRUNING TO PROVIDE THE MAXIMUM POSSIBLE TIME FOR NEW ROOT GROWTH. EVEN TREES AND PALMS THAT TYPICALLY DO NOT REQUIRE LONG (OR ANY) ROOT PRUNING WILL BENEFIT FROM MORE ROOT PRUNING TIME; THEREFORE, ALL TREES AND PALMS TO BE RELOCATED MUST BE ROOT PRUNED. CONTRACTOR MUST PROVIDE A ROOT PRUNE SCHEDULE FOR
- RELOCATED MUST BE ROOT PRUNED, CONTRACTOR MUST PROVIDE A ROOT PRUNE SCHEDULE FOR EACH TREE OR PAILM TO BE RELOCATED AS AN ATTACHMENT TO THE BID. CONTRACTOR MUST CALL SUNSHINE 811 TO HAVE ALL UNDERGROUND UTILITIES LOCATED UNDER OR IN THE VICINITY OF THE CURRENT OR FUTURE LOCATIONS OF ALL TREES AND PALMS TO BE RELOCATED PRIOR TO WORK COMMENCING. CONTRACTOR MUST VERIFY WITH THE GENERAL CONTRACTOR THE ABSENCE OF ANY UNDERGROUND
- CONSTRUCTION OR OBSTRUCTIONS (E.G., BULKHEADS, SEPTIC SYSTEMS, ETC.) IN THE CURRENT AND FUTURE LOCATIONS OF ALL TREES AND PALMS TO BE RELOCATED.
- FUTURE LOCATIONS OF ALL TREES AND PALMS TO BE RELOCATED.

  2.8. CONTRACTOR MUST LAERT THE LANDSCAPE ARCHITECT OF ANY TREES OR PALMS THAT WILL NOT SUCCESSFULLY RELOCATE DUE TO POOR HEALTH PRIOR TO BEGINNING ROOT PRUNING.

  2.9. CONTRACTOR MUST FLAG ALL PROPOSED TRANSPLANT LOCATIONS FOR THE LANDSCAPE ARCHITECTS APPROVAL A MINIMUM OF 15 DAYS PRIOR TO RELOCATION.

  2.10. CONTRACTOR MUST ENSURE THAT ALL TREES AND PALMS TO BE RELOCATED ARE INSTALLED AT THE

- CORRECT GRADE OR ELEVATION, ACCORDING TO THE GRADING PLAN.
- CONTRACTOR MUST ENSURE THAT ALL ROOT FLARES ARE EXPOSED AFTER RELOCATION.

  CONTRACTOR MUST ENSURE THAT ALL ROOT FLARES ARE EXPOSED AFTER RELOCATION.

  CONTRACTOR MUST REMOVE ALL RESIDUAL ROOTS, STUMPS, AND PORTIONS THEREOF AND BACKFILL
  PITS FROM WHICH RELOCATED TREES AND PALMS WERE REMOVED WITH CLEAN FILL FLUSH WITH THE
- 2.13. CONTRACTOR MUST REPAIR ANY DAMAGE TO OTHER PLANTS, LAWN, HARDSCAPES, OR NEW
- CONTRACTION MUST REPAIR MAY DAMAGE. TO OTHER PLANTS, LAWN, HARUSCAPES, OR NEW CONSTRUCTION WITHIN THE RELOCATION AREA AT CONTRACTOR'S EXPENSE. HARDSCAPES INCLUDE BUT ARE NOT LIMITED TO CURBS, WALKS, ROADS, FENCES, SITE FURNISHINGS, ETC. CONTRACTOR MUST PHOTOGRAPHICALLY DOCUMENT NEW ROOT GROWTH FOLLOWING EACH ROOT PRUNE AND SUBMIT THIS DOCUMENTATION TO THE LANDSCAPE ARCHITECT. THE PURPOSE OF THIS REQUIREMENT IS TO ENSURE THAT SUFFICIENT ROOT GROWTH HAS OCCURRED PRIOR TO THE RECONDAINANCE REPORT OF THIS RECONDAINANCE REPORT OF THE PROOF DEPORT OF THE PROOF DEPORT OF THE PROOF DEPORT OF THE PROOF THE P SECOND AND SUBSEQUENT ROOT PRUNES AND FOLLOWING THE FINAL ROOT PRUNE PRIOR TO
- 2.15. CONTRACTOR MUST INSTALL AND MAINTAIN PROTECTION FENCING AROUND EACH TREE AND PALM TO CONTRACTOR MOST INSTALLAND MAINTAIN FOR THE THE RELOCATION, PROUND EACH IT REE AND PALM IT SEE RELOCATED BOTH DURING ROOT PRUNING AND AFTER RELOCATION, PROTECTION FENCING MUST CONSIST OF GALVANIZED WELDED WIRE FABRIC OR PLASTIC MESH ATTACHED TO 4"X 4" POSTS INSERTED AROUND THE PERIMETER OF THE DRIPLINE OF THE TREE OR PALM, PROTECTION FENCING MUST BE PLUMB, TAUT, AND STURDY AT ALL TIMES AND MUST REMAIN IN PLACE THROUGHOUT THE ROOT PRUNING AND WARRANTY PERIODS, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.
- ROOT PRUNING AND WARKANTY PERIODS, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.

  2.16. CONTRACTOR MUST OBTAIN ALL NECESSARY OR REQUIRED PERMITS FOR THE RELOCATION AND TRANSPORTATION OF THE TREES AND PALMS TO BE RELOCATED.

  2.17. CONTRACTOR MUST REPLACE ANY TREES OR PALMS SCARRED OR DAMAGED DURING RELOCATION, AT THE CONTRACTORS EXPENSE, WITH THE SAME OR SIMILAR SPECIES, SIZE, AND QUALITY, REPLACEMENT TREES OR PALMS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT, PREPARATION, AND/OR INSTALLATION. REPLACEMENT TREES AND PALMS MUST BE INSTALLED WITHIN 60 DAYS OF NOTICE
- INSTALLED WITHIN 60 DAYS OF NOTICE.

  2.18. CONTRACTOR MUST GUARANTEE ALL RELOCATED TREES AND PALMS FOR ONE YEAR FROM THE DATE OF RELOCATION TO THE FINAL LOCATION. GUARANTEE MUST INCLUDE TREE HEALTH AND SETTLING.

  2.19. CONTRACTOR MUST PROVIDE ALL MATERIAL NECESSARY TO PERFORM THE WORK COVERED HEREIN, INCLUDING BUT NOT LIMITED TO BACKFILL MATERIAL, PROTECTION FENCING, FLAGGING, ADDITYS AND SUPPLEMENTS, TEMPORARY IRRIGATION, BURLAP, WIRE, SHRINK WRAP, AND ALL NECESSARY

#### 3. ROOT PRUNING SPECIFICATIONS

- 3.1.1. ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 2-3 DAYS PRIOR TO ANY ROOTS BEING CUT TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.

   3.1.2. EACH TREE AND PALM MUST THEN BE WATERED EVERY OTHER DAY, NOT RELYING ON RAIN, DURING THE ENTIRE ROOT FRUUNING PROCESS EITHER BY A TEMPORARY IRRIGATION SYSTEM OR BY HAND.

  EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.
- 3.1.3. TREE AND PALM RELOCATION ACTIVITIES MUST BE SCHEDULED SO THAT REMOVAL AND REPLANTING 3.1.3. IRLE AND PALM RELOCALION ACTIVITIES MUST BE SCHEDULED SO THAT REMOVAL AND REPLANTINE TAKE PLACE IN THE SAME 24-HOUR PERIOD. NO TREES OR PALMS MAY BE "STOCKPILED" ONSITE OR OFFSITE FOR ANY PERIOD OF TIME WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. WHEN ALLOWED, APPROVAL FOR THE METHOD OF "STOCKPILLING" MUST BE OBTAINED FROM THE LANDSCAPE ARCHITECT.
  3.1.4. ALL DIGGING IN THE ROOT ZONE DURING THE ROOT PRUME PROCESS MUST BE DONE BY HAND, NO
- MACHINERY WILL BE ALLOWED, PRUNING OF ROOTS MUST BE DONE BY HAND WITH CLEAN, SHARE
- MACHINER WILL BE ALLOWED. PROVINING OF ROOTS MIGHT SEED HE DIVED IT SHAND WITH CLEAN, SHANT TOOLS. DO NOT PAINT CUT ROOTS WITH TREE PAINT OR ANY KIND OF SEALANT.

  3.1.5. MYCORRHIZA (ROOTS® TRANSPLANT OR EQUIVALENT) MUST BE INCORPORATED INTO THE BACKFILL SOLP PRIOR TO BACKFILLING AS PER MANUFACTURER'S RECOMMENDATIONS.

  3.1.6. AFTER EACH ROOT PRUNE, EACH SECTION OF ROOTBALL THAT IS PRUNED MUST BE WRAPPED WITH BLACK PLASTIC AND THE TRENCH BACKFILLED WITH ORIGINAL EXCAVATED SOIL. A TREE RING WITH A MINIMUM HEIGHT OF 6" MUST BE CONSTRUCTED 6-12" OUTSIDE THE OUTERMOST EDGE OF THE ROOTBALL AND AROUND THE ENTIRE PERIMETER OF THE ROOTBALL TO DIRECT IRRIGATION WATER
- ROUTBALL AND AROUND THE ENTIRE PERMILE BY OF THE ROUTBALL DURING ROOT REGENERATION.

  3.1.7. ONCE THE TREE RING IS CONSTRUCTED AFTER EACH ROOT PRUNE, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE LIBERALLY APPLIED TO THE SURFACE OF THE ROOTBALL AND THOROUGHLY WATERED IN TO ENCOURAGE NEW ROOT GROWTH.

- 3.2.1. PRIOR TO ANY ROOTS BEING CUT, ALL MAJOR ROOTS MUST BE IDENTIFIED TO DETERMINE THE ROOTSALL DIAMETER BASED ON THE RELATIVE LOCATION AND SIZE OF THE ROOTS.
  3.2. MANY TREE RELOCATION SPECIFICATIONS USE "CENERAL RULES" TO CALCULATE MINIMUM ROOTBALL DIAMETER, SUCH AS MULTIPLYING THE DIAMETER AT BREAST HEIGHT (DBH) OF THE TREE BY A FACTOR OF 10 OR ALLOWING A MINIMUM OF 9"-12" OF ROOTBALL FOR EVERY 1" OF TREE CALIPER. OTHERS LIST UNREAUSTIC MINIMUM SIZES FOR THE ROOTBALLS OF VARIOUS TREE CALIPERS OR HEIGHTS. IN MANY CASES, SUCH APPROACHES RESULT IN ROOTBALLS THAT ARE EITHER TOO LARGE OR TOO SMALL FOR A GIVEN TREE. THE FOLLOWING TABLE LISTS MINIMUM ROOTBALL DIAMETERS BASED ON REAL-WORLD EXPERIENCE OF TREE RELOCATION SPECIALISTS IN SOUTH FLORIDA:

CALIPER	MIN. ROOTBALL	CALIPER	MIN. ROOTBALL
(inches)	DIA. (feet)	(inches)	DIA. (feet)
1 - 4	3	12 - 14	8
4 - 5	4	15 - 17	10
6 - 7	5	18 - 24	12 - 15
8 - 9	6	25 - 30	15 - 25
10 -11	7	30 +	as needed

- 3.2.3. WHENEVER POSSIBLE, ROOTBALLS MUST BE CIRCULAR IN SHAPE WITH AN EQUAL DISTANCE FROM
- 3.2.3. WHENEVER POSSIBLE, KOOI SALLS MUST BE CIRCULAR IN SHAPE WITH AN EQUAL DISTANCE FROM THE TRUNK TO THE EDGE OF THE ROOTBALL ALL AROUND.

  3.2.4. MINIMUM ROOTBALL DEPTH MUST BE 24"-36" FOR ALL TREES TO BE RELOCATED, WITH THE ACTUAL DEPTH TO BE DETERMINED ONLY AFTER A THOROUGH EXAMINATION OF ALL ROOTS DURING THE INITIAL ROOT INSPECTION AND BASED ON THE ABSENCE OF MAJOR ROOTS AT THE BOTTOM OF THE ROOTBALL ROOTBALLS DEEPER THAN 36" MAY BE REQUIRED FOR LARGE SPECIMEN TREES, DEPENDING ON THE RELATIVE LOCATIONS AND DEPTHS OF THE MAJOR ROOTS AS OBSERVED DURING THE INJURY ROOT IS REDECTIVE.

- 3.2.5. AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR TREES WITH A DBH OF LESS THAN 10" IS 12 AS O SCHEMAL ROLE, MINIMOUN MOVED FROME TIME FOR TREES WITH DO BY DE 255 FINANT 0 3 79 WEEKS. THE FIRST ROOT PRUNE MUST BE ON TWO OPPOSING SIDES OF THE ROOTBALL, WITH THE SECOND ROOT PRUNE ON THE LAST SIDE DONE A MINIMOUN OF 3 WEEKS LATER, AND A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMOUN OF 3 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVIDENT (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS). MORE TIME MAY BE
- DOCUMENTING NEW ROOT GROWTH DURING HE ROOT PRONE PROCESS), MORE TIME MAY BE NEEDED DURING THE COOLER MONTHS OF THE YEAR.

  3.2.6. AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR TREES WITH A DBH OF 10" OR GREATER IS 24 WEEKS. THE FIRST ROOT PRUNE MUST BE ON TWO OPPOSING SIDES OF THE ROOTBALL, WITH THE SECOND ROOT PRUNE ON ONE OF THE OTHER TWO SIDES DONE A MINIMUM OF 12 WEEKS LATER, AND A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 6 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVIDENT (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS). MORE TIME MAY BE NEEDED DURING THE COOLER MONTHS OF THE YEAR.

  3.2.7. CERTAIN HARDWOOD TREES AND GYMNOSPERMS REQUIRE LONGER ROOT PRUNING TIMES. THESE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
- AVOCADO (PERSEA AMERICANA)
- BLACK OLIVE (BLICIDA BLICERAS)
- BLACK OLIVE (BUGIDA BUGERAS)
  BRIDALVEIL (CAESALPINIA GRANADILLO)
  CASSIAS (ALL SPECIES OF CASSIA)
  LIGNUM VITAE (GUAIACUM SANCTUM & G. OFFICINALE)
- PODOCARPUS (PODOCARPUS SP.) LIVE OAK (QUERCUS VIRGINIANA)
- MAHOGANY (SWIFTENIA MAHAGONI)
- MANGO (MANGIFERA INDICA)
  PIGEON PLUM (COCCOLOBA DIVERSIFOLIA)
  SWEET ACACIA (ACACIA FARNESIANA)
- VERAWOOD (BULNESIA ARBOREA)
- WILD TAMARIND (LYSILOMA LATISILIQUUM & L. SABICU)

FOR THESE TREES, THE MINIMUM ROOT PRUNE TIMES DISCUSSED IN SECTIONS 3.2.5 AND 3.2.6 ABOVE MAY BE INSUFFICIENT. ONLY WHEN SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING AN EARLIER ROOT PRUNE GAN THE NEXT ROOT PRUNE BE DONE, AND ONLY WHEN SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING THE FINAL ROOT PRUNE MAY THE TREE BE RELOCATED (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS).

PALMS
THE FOLLOWING TABLE LISTS MINIMUM ROOTBALL DIAMETERS FOR VARIOUS SPECIES OF PALMS
BASED ON REAL-WORLD EXPERIENCE OF RELOCATION SPECIALISTS IN SOUTH FLORIDA:

ROOTBALL SPECIFICATIONS 36" diameter 36" diameter 12" from trunk in all directions QUEEN & FOXTAIL PALMS ROYAL & COCONUT PALMS 18 - 24" from trunk in all directions CANARY DATE PALM 24" from trunk in all directions SLOW-GROWING PALMS

- (see sec. 3.3.4)
  3.3.2. PALM ROOTBALLS MUST BE A MINIMUM OF 24" DEEP. WHENEVER POSSIBLE, ROOTBALLS MUST BE CIRCULAR IN SHAPE WITH AN EQUAL DISTANCE FROM THE TRUNK TO THE EDGE OF THE ROOTBAL
- CIRCUDER IN SPIAPE WITH AN EQUAL DISTANCE FROM THE TRUNK TO THE EUGE OF THE ROOTBALL AROUND.

  AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR PALMS IS 6-8 WEEKS. THE FIRST ROOT PRUNE MUST BE ON TWO OPPOSING SIDES OF THE ROOTBALL, WITH THE SECOND ROOT PRUNE ON ONE OF THE OTHER TWO SIDES DOWN A MINIMUM OF 3-4 WEEKS LATER, AND A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 4.5-6 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVIDENT (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS). MORE TIME MAY BE NEEDED DURING THE COOLER
- MONTHS OF THE YEAR.
  3.4.4. CERTAIN PALMS, IN PARTICULAR THOSE THAT ARE SLOW GROWING, REQUIRE LONGER ROOT PRUNING TIME. THESE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING
  - ALL SPECIES OF ARCHONTOPHOENIX

  - ALL SPECIES OF CARCHON TOPHOENIX
    ALL SPECIES OF CORYPHA
    AMERICAN OIL PALMS (ALL SPECIES OF ATTALEA)
    BISMARCK PALM (BISMARCKIA NOBILIS)
    CUBAN & CARRIBEBAN COPERNICIA
    CUBAN BELLY PALM (GASTROCOCOS CRISPA)
  - GINGERBREAD/DOLIM PALMS (ALL SPECIES OF HYPHAENE)
  - GINGERBREAU/JUJUM PALMS (ALL SPECIES OF PALMYRA PALMS (ALL SPECIES OF BORASSUS) SATAKE PALM (SATAKENTIA LIUKIUENSIS) SAW PALMETTO (SERENOA REPENS)

  - SILVER PALM (COCCOTHRINAX ARGENTATA)
  - ZOMBIE PALM (ZOMBIA ANTILLARUM)

FOR THESE PALMS, THE MINIMUM ROOT PRUNING TIME IS 4-6 MONTHS OR GREATER. ONLY WHEN SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING AN EARLIER ROOT PRUNE CAN THE NEXT ROOT PRUNE BE DONE, AND ONLY WHEN SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING THE FINAL ROOT PRUNE MAY THE TREE BE RELOCATED (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS)

#### CANOPY PRUNING SPECIFICATIONS

#### 4.1. TREES

- 4.1.1. PRIOR TO RELOCATION. THE CANOPY OF EACH TREE TO BE RELOCATED MUST BE SELECTIVELY PRIVATE TO RELOCATION, THE CANOPY OF EACH TIREE TO BE RELOCATED MIGST BE SELECTIVELY PRUNED TO REMOVE CROSSING, DEAD, DISEASED, BROKEN, AND LOW-HANGING BRANCHES THAT MAY INTERFERE WITH CONSTRUCTION ACTIVITIES, OR THAT MAY INTERFERE OR RESTRICT STRAPPING OR LIFTING THE TREE DURING RELOCATION.
- 4.1.2. FOR TREES BEING RELOCATED ONSITE, THE CANOPY MAY BE SELECTIVELY THINNED AND REDUCED BY NO MORE THAN 1/30 FT THE OVERALL CANOPY MASS, AT THE DIRECTION OF THE LANDSCAPE ARCHITECT; HOWEVER, THE BASIG SHAPE, FORM, AND CHARACTER OF THE TREE MUST BE
- 4.1.3. FOR TREES BEING RELOCATED OFFSITE, THE CANOPY MUST BE PRUNED, AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, TO FIT ON THE TRAILER FOR TRANSPORT. EVERY EFFORT MUST BE MADE TO RETAIN AS MANY LARGE BRANCHES AS POSSIBLE AND TO PRESERVE AS MUCH OF THE SHAPE. FORM. NELTAIN AS MAINT LANGE BARNOLTES AS POSSIBLE AND TO PRESERVE AS MUUFTOF THE SHAPE, FORM, AND CHARACTER OF THE TREE AS POSSIBLE TO THE WIDEST LOAD WIDTH ALL GWABLE BY THE FLORIDA DEPARTMENT OF TRANSPORTATION. CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS AND ESCORTS TO TRANSPORT WIDE LOADS, PER FLORIDA LAW.
- 4.1.4. ALL CANOPY PRUNING MUST BE CONDUCTED FOLLOWING ANSI A-300 TREE PRUNING STANDARDS AND BEST MANAGEMENT PRACTICES.
- 4.1.5. ALL DEBRIS GENERATED DURING CANOPY PRUNING MUST BE REMOVED OFFSITE AND DISPOSED

#### 4.2. PALMS

- 4.2.1. IT IS WELL KNOWN THAT SOME PALMS SURVIVE RELOCATION BETTER WHEN ALL OF THE LEAVES ARE THIS VELL RACTIVITY IN SOME FALLIN SURVEY BALLOST ON BE THE VITEN ALL OF THE LEVEYS AND REMOVED (E.G., CABBAGE PALM, SABAL PALMETTO), AND THAT OTHER PALMS BENEFIT FROM HAVING THEIR LEAVES CUT IN HALF DURING RELOCATION (E.G., COCON LIPALM, COCOS NUCIFERA), BOTH THESE HORTICULTURAL PRACTICES, WHILE TRUE, ARE ONLY APPLICABLE WHEN PALMS ARE NOT ROOT PRUNED. LEAVES DO NOT NEED TO BE CUT IN HALF OR REMOVED FROM PALMS THAT ARE ADEQUATELY ROOT PRUNED. ON OCCASION WHEN SUFFICIENT ROOT PRUNING TIME IS NOT AVAILABLE, PALMS TO BE RELOCATED MAY HAVE THEIR LEAVES CUT IN HALF OR REMOVED ENTIRELY AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
- 4.2.2. PALM LEAVES MUST BE TIED UP WITH 2-PLY BIODEGRADABLE TWINE PRIOR TO RELOCATION TO PREVENT MECHANICAL DAMAGE DURING THE RELOCATION PROCESS
- 4.2.3. PALM TRUNKS SHALL ONLY BE 'CLEANED UP' ACCORDING TO THE LANDSCAPE ARCHITECT'S SPECIFICATIONS SPECIFIC TO EACH PALM.

#### RELOCATION SPECIFICATIONS

#### 5.1. GENERA

- 5.1.1. LANDSCAPE CONTRACTOR TO FLAG ALL PROPOSED PLANT LOCATIONS FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION. NOTIFY LANDSCAPE ARCHITECT A MINIMUM OF 15 DAYS PRIOR TO REVIEW.
  5.1.2. ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 5 DAYS PRIOR TO
- ANY RELOCATION TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST
- THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.

  5.1.3. ALL ROOTBALLS MUST BE WRAPPED IN BURLAP AND THEN TIGHTLY WIRE-WRAPPED (USING REDLINE HORSE WIRE OR EQUIVALENT) TO KEEP THE ENTIRE ROOTBALL INTACT DURING RELOCATION. TREES AND PALMS GROWING IN LIMESTONE MUST BE DUG AND RELOCATED WITH THE ROOTS ATTACHED TO A SECTION OF ROCK AS PART OF THE ROOTBALL. SUCH THAT THE ROOTS REMAIN INTACT, ROOTBALLS COMING FROM SAND OR SANDY SOIL MAY ALSO NEED TO BE BOXED PRIOR TO RELOCATION, AT THE DISCRETION OF THE LANDSCAPE ARCHITECT
- 5.1.4 TREES AND PALMS BEING RELOCATED OFFSITE MUST HAVE THEIR ENTIRE ROOTBALLS THOROUGHLY
  AND TIGHTLY WRAPPED WITH PLASTIC SHRINK WRAP ON THE OUTSIDE OF THE WIRE WRAP, AND THE
  ENTIRE TREE OR PALM (INCLUDING CANOPY, TRUNK, AND ROOTBALL) MUST BE COVERED WITH A
- BREATHABLE TARP (E.G., SHADE CLOTH) DURING TRANSPORT.

  5.1.5. NEW PLANTING PITS FOR RELOCATED TREES AND PALMS MUST BE PREPARED PRIOR TO LIFTING THE PALM OR TREE FROM ITS CURRENT LOCATION AND MUST BE AT LEAST 3-4 FEET WIDER THAN THE
- PALM OF THE FROM TIS OWNERS I COLOR THE WAY THE PROPERTY AS THE PROPERTY OF THE TOP OF THE ROOTBALL AND THE SAME DEPTH AS THE ROOTBALL, SUCH THAT THE FINAL ELEVATION OF THE TOP OF THE ROOTBALL IS AT OR SLIGHTLY ABOVE (NO MORE THAN 2" HIGHER) FINAL GRADE.

  5.1.6. TREES AND PALMS TO BE RELOCATED MUST BE LIFTED BY THE ROOTBALL ONLY, USING APPROPRIATELY SIZED (LENGTH AND STRENGTH) LIFTING STRAPS OR CHAINS. DURING LIFTING, THE TREE OR PALM MUST BE BALANCED IN A MORE-OR-LESS UPRIGHT POSITION, WITH THE STRAP ON THE TRUNK USED ONLY FOR BALANCING AND MANEUVERING THE TREE OR PALM INTO POSITION, NO TROING OSED ONLY TOP RELAVABLES AND MINIOR CHEMING THE TREE ON FALSH IN OTHER POSITION. THE CHAINS MAY BE USED AROUND OR AGAINST THE TRUNK AT ANY TIME. AT NOT TIME SHALL 100% OF THE WEIGHT OF THE TREE OR PALM BE ON THE STRAP ATTACHED TO THE TRUNK. TRUNKS MUST BE HEAVILY PADDED WITH 30-60 LAYERS (DEPENDING ON SIZE AND WEIGHT) OF BURLAP BENEATH THE
- 5.1.7. TREES AND PALMS MUST BE LIFTED WITH A CRANE OR BACKHOE APPROPRIATELY SIZED FOR THE SIZE AND WEIGHT OF THE TREE OR PALM AND LIFTED OR CARRIED DIRECTLY TO THE FINAL INSTALL LOCATION OR TRANSPORT TRAILER.
- 5.1.8. ONCE LIFTING BEGINS, ANY UNCUT ROOTS UNDER OR AROUND THE ROOTBALL THAT MAY YET REMAIN MUST BE IMMEDIATELY SEVERED WITH HAND PRUNING TOOLS TO MINIMIZE TEARING AND ROOT 5.1.9. AGRIFORM PLANTING TABLETS (OR APPROVED EQUIVALENT) MUST BE EVENLY DISTRIBUTED AROUND
- THE PERIMETER OF THE PLANTING PIT AT THE RATE OF 2 TABLETS PER 1" TRUNK CALIPER PRIOR TO
- THE PERIMETER OF THE PLANTING PIT AT THE RATE OF 2 TABLETS PER 1" TRUNK CALIPER PRIOR TO BACKFILLING.

  5.1.10. MYCORRHIZA (ROOTS® TRANSPLANT OR EQUIVALENT) MUST BE INCORPORATED INTO THE BACKFILL SOIL PRIOR TO BACKFILLING.

  5.1.11. RELOCATED TREES AND PALMS MUST BE CENTERED IN THE PLANTING PIT, AND THE PIT BACKFILLED USING A 1:1 MIXTURE OF EXISTING SOIL AND 80.20 (DOT SAND-MUCK) SOIL MIXTHOROUGHLY BLENDED
- USING A 131 MIXTURE OF EXISTING SOIL AND BUZZI (DUT SANDIMUCK) SIGN MIXTHORUSOHLY BLENDE TOGETHER. DO NOT USE MUIDDY SOIL AS BACKFILL (SEE 5.2.2 BELS ON FOR SPECIAL CONDITIONS) REGARDING DATE PALM BACKFILL SPECIFICATIONS.) 5.1.12 SMALL TREES AND PALMS MUST BE FIRMLY BRACED USING A MINIMUM OF FOUR 4" X 4" WOODEN BRACES ATTACHED TO 2" X 4" WOODEN BATTENS HELD IN PLACE WITH TWO STEEL BANDS. LARGER TREES MAY REQUIRES "X 6" WOODEN POSTS OR EVEN TELEPHONE POLLES TO PROVIDE SUFFICIENT BRACING STRENGTH TO PREVENT TOPPLING DURING WIND EVENTS. A SUFFICIENT NUMBER OF BATTENS MUST BE STRATEGICALLY PLACED AROUND THE TRUNK SUCH THAT THE STEEL BANDS NEVER CONTACT THE TRUNK NO BURLAP IS TO REMAIN UNDER THE WOODEN BATTENS ON TREES DURING BRACING, BUT SEVERAL LAYERS OF BURLAP SHOULD BE LEFT UNDER THE WOODEN BATTENS OF INCESS WHEN BRACING PALMS, NAILS SHALL NEVER BE DRIVEN DIRECTLY INTO THE TRUNK DURING BRACING, BRACING MUST REMAIN IN PLACE FOR A MINIMUM OF ONE YEAR.

  5.1.13. A TREE RING WITH A MINIMUM HEIGHT OF 6" MUST BE CONSTRUCTED 6-12" OUTSIDE THE OUTERMOST
- EDGE OF THE ROOTBALL AND AROUND THE ENTIRE PERIMETER OF THE ROOTBALL TO DIRECT IRRIGATION WATER AND ANY SUPPLEMENTS THAT ARE ADDED DOWN INTO THE ROOTBALL DURING ROOT REGENERATION.
- S.1.14. ONCE THE TREE RING IS CONSTRUCTED, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE LIBERALLY APPLIED TO THE SURFACE OF THE ROOTBALL AND THOROUGHLY WATERED IN.

  5.1.15. ROOTBALLS MUST BE THOROUGHLY WATERED IN USING A HOSE AND A JOHNSON BAR INSERTED TO
- THE VERY BOTTOM OF THE ROOTBALL AND SWUNG BACK AND FORTH TO PREVENT FORMATION OF AIR POCKETS, THE JOHNSON BAR TECHNIQUE MUST BE REPEATED AT LEAST ONCE MORE WITHIN ONE
- POCACES. THE JOHNSON BAY TECHNIQUE MUST BE REPEATED AT LEAST ONCE MORE WITHIN ONE WEEK AFTER RELOCATION, AND AGAIN IF ANY SIONS OF STRESS BECOME APPARENT.

  5.1.16. ORGANIC MULCH (MELALEUCA IS PREFERRED) MUST BE APPLIED WITHIN 48 HOURS OF RELOCATION AT A DEPTH OF 3-4" OVER THE ENTIRE TOP OF THE ROOTBALL FROM THE TREE RING TO WITHIN 6" OF THE TRUNK. MULCH MUST NOT BE APPLIED OR ALLOWED TO ACCUMULATE DIRECTLY AGAINST THE
- 5.1.17 PITS FROM WHICH THE RELOCATED TREES AND PALMS WERE REMOVED MUST BE CLEANED OF ALL 5.117. PITS FROM WHICH THE RELOCATED TREES AND PALMS WERE REMOVED MUST BE CLEANED OF ALL RESIDUAL ROOTS, STUMPS, AND PORTIONS THEREOF AND BACKFILLED WITH CLEAN FILL FLUSH WITH THE SURROUNDING GRADE.

  5.1.18. RESTORE THE SURFACE WITH MATERIAL TO MATCH ADJACENT AREAS. MATERIAL TO BE APPROVED BY LANDSCAPE ARCHITECT. CONTRACTOR TO PROVIDE A MIMIMUM OF ONE YEAR WARRANTY ON SETTLING AND PLANT MATERIAL FROM TIME OF SUBSTANTIAL COMPLETION.

## 5.2.1. MULTI-TRUNK TREES AND PALMS MUST BE RELOCATED AS ONE UNIT WITH A SINGLE ROOTBALL. 5.2.2. PLANTING PITS FOR EDIBLE DATE PALMS (PHOENIX DACTYLIFERA) MUST BE BACKFILLED WITH PURE DOT SILICA SAND. MAINTENANCE SPECIFICATIONS

#### 6.1. GENERAL

- 6.1.1. ALL RELOCATED TREES AND PALMS MUST BE MAINTAINED FOR ONE YEAR FROM THE DATE OF RELOCATION TO THEIR FINAL LOCATIONS.
- 6.1.2. CONTRACTOR MUST MAINTAIN ALL RELOCATED TREES AND PALMS FOR ONE FULL YEAR FROM THE DATE OF RELOCATION TO THE FINAL LOCATION.
- 6.1.3. WHENEVER POSSIBLE, EACH TREE AND PALM MUST BE WATERED BY A PERMANENT AUTOMATIC IRRIGATION SYSTEM FOLLOWING RELOCATION. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH; THIS WILL REQUIRE 25-50 GALLONS OF WATER FOR SMALL TREES AND PALMS, DEPENDING ON ROOTBALL SIZE, WHILE LANGE TREES WILL REQUIRE A MINIMUM OF 10 GALLONS PER FOOT OF ROOTBALL SIZE, WHILE LANGE TREES WILL REQUIRE A MINIMUM OF 10 GALLONS PER ROOTBALL DILAMETER (I.E. 4.10 DIAMETER ROOTBALL WILL REQUIRE A MINIMUM OF 10 GALLONS PER WATERING EVENT). WATERING FEGULORY MUST BE EVERY DAY FOR THE FIRST TWO WEEKS, EVERY OTHER DAY FOR THE NEXT THREE WEEKS, AND EVERY THIRD DAY FOR THE NEXT 6-8 WEEKS.
- 6.1.4. WHEN AN AUTOMATIC IRRIGATION SYSTEM IS NOT POSSIBLE, CONTRACTOR IS RESPONSIBLE FOR HAND WATERING RELOCATED TREES AND PALMS THROUGHOUT THE MAINTENANCE PERIOD AND UNTIL FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT ANDIOR CLIENT.
- 6.1.5. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE APPLIED TO THE SURFACE OF THE ROOTBALL AT THE RECOMMENDED LABEL RATE AND WATERED IN WITH A DRENCH CONSISTING OF A SYSTEMIC INSECTICIDE AND A CONTACT ROOT ROT FUNGICIDE, FOLLOWING LABEL INSTRUCTIONS, AS INITIAL PREVENTATIVE MAINTENANCE. 6.1.6. EVERY THREE MONTHS THEREAFTER, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE APPLIED TO THE SURFACE OF THE ROOTBALL AT THE RECOMMENDED LABEL RATE AND WATERED IN WITH A
- DRENCH CONSISTING OF A SYSTEMIC INSECTICIDE AND A BROAD-SPECTRUM SYSTEMIC FUNGICIDE, FOLLOWING LABEL INSTRUCTIONS, AS CONTINUING PREVENTATIVE MAINTENANCE. 6.1.7. IRRIGATION AND BRACING MUST BE CHECKED AND EACH TREE OR PALM THOROUGHLY INSPECTED FOR SIGNS OF STRESS, DISEASE, OR PEST PROBLEMS ON A MONTHLY BASIS.

#### 6.2. SHADE TREES

- 6.2.1. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION AND EVERY THREE MONTHS THEREAFTER, A HIGH-OUALITY SLOW-RELEASE 15-2-15 GRANULAR FERTILIZER MUST BE APPLIED, AT THE RECOMMENDED LABEL RATE, SPREAD EVENLY ACROSS THE SURFACE OF THE ROOTBAL
- 6.2.2. FOLIAR FEED FOUR TIMES PER YEAR.

#### 6.3. FLOWERING TREES

- 6.3.1. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION AND EVERY THREE MONTHS THEREAFTER A HIGH-QUALITY, SLOW-RELEASE 5-10-15 GRANULAR FERTILIZER MUST BE APPLIED, AT THE RECOMMENDED LABEL RATE, SPREAD EVENLY ACROSS THE SURFACE OF THE ROOTBALL.
- 6.3.2. FOLIAR FEED FOUR TIMES PER YEAR.

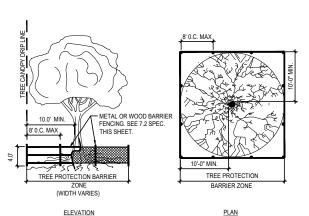
#### 6.4. PALMS

- 6.4.1. STRING MUST BE REMOVED FROM THE TIED UP LEAVES IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION IF THE PALM WAS ROOT PRUNED OR WITHIN 30-45 DAYS AFTER RELOCATION ON THI OCCASION THE LANDSCAPE ARCHITECT APPROVED RELOCATION WITHOUT ROOT PRUNING DUE TO TIME CONSTRAINTS.
- 6.4.2. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION AND EVERY THREE MONTHS THEREAFTER, A HIGH-QUALITY, SLOW-RELEASE 8-4-12 GRANULAR PALM FERTILIZER WITH MINORS MUST BE APPLIED, AT THE RECOMMENDED LABEL RATE. SPREAD EVENLY ACROSS THE SURFACE OF THE ROOTBALL.
- 6.4.3. FOLIAR FEED SIX TIMES PER YEAR.

#### TREE PROTECTION SPECIFICATIONS

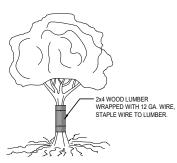
- 7.1. TREE PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY
- INCLUDING GRUBBING FOR ALL TREES / PALMS TO REMAIN OR BE RELOCATED. 7.2. FENCES SHOULD BE OF STURDY CONSTRUCTION
- STURDY TEMPORARY BARRIERS SHALL BE INSTALLED AROUND ALL TREE PROTECTION ZONES. BARRIERS SHALL BE A MINIMUM OF FOUR FEET HIGH, AND SHALL BE CONSTRUCTED OF CONTINUOUS CHAIN LINK FENCE WITH METAL POSTS AT EIGHT-FOOT SPACING, OR OF TWO-BY-FOUR INCH POSTS WITH THREE EQUALLY SPACED TWO-BY-FOUR INCH RAILS. POSTS MAY BE SHIFTED TO AVOID ROOTS.
- 7.3 FENCES MUST BE MAINTAINED INTACT LINTIL THE PROJECT IS COMPLETED. THEY SHOULD NOT BE REMOVED OR DROPPED FOR ANY REASON WITHOUT AUTHORIZATION FROM THE CITY'S URBA FORESTER.
- 7.4. NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING. MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL LIGHTING, ETC.

- 8.1. ALL RELOCATED TREES AND PALMS MUST BE GUARANTEED FOR ONE YEAR FROM THE DATE OF RELOCATION TO THEIR FINAL LOCATIONS.
- 8.2. IF A TREE OR PALM DIES WITHIN THE 1-YEAR WARRANTY PERIOD, IT MUST BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.
- 8.3. IF A TREE OR PALM PERFORMS POORLY WITHIN THE 1-YEAR WARRANTY PERIOD, IT MUST BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THE DECISION TO REPLACE BASED ON POOR HEALTH IS AT THE DISCRETION OF THE LANDSCAPE ARCHITECT.
- 8.4. IF A TREE OR PALM SETTLES TO AN UNHEALTHY DEPTH WITHIN THE 1-YEAR WARRANTY PERIOD, AS DEEMED BY THE LANDSCAPE ARCHITECT, IT MUST BE RAISED TO THE CORRECT GRADE AT CONTRACTOR'S EXPENSE.



TREE BARRICADE DETAIL

ELEVATION



TREE TRUNK PROTECTION DETAIL

2964 Aviation Ave., Miami, FL 33133 PH 305.858.6777 www.ravmondiungles.com PROJECT NO.: 21008

> చ 台  $\mathbf{\Omega}$  $\Delta$ 2 0  $\bigcirc$ 4  $\bigcirc$ Ś  $\triangle$

331

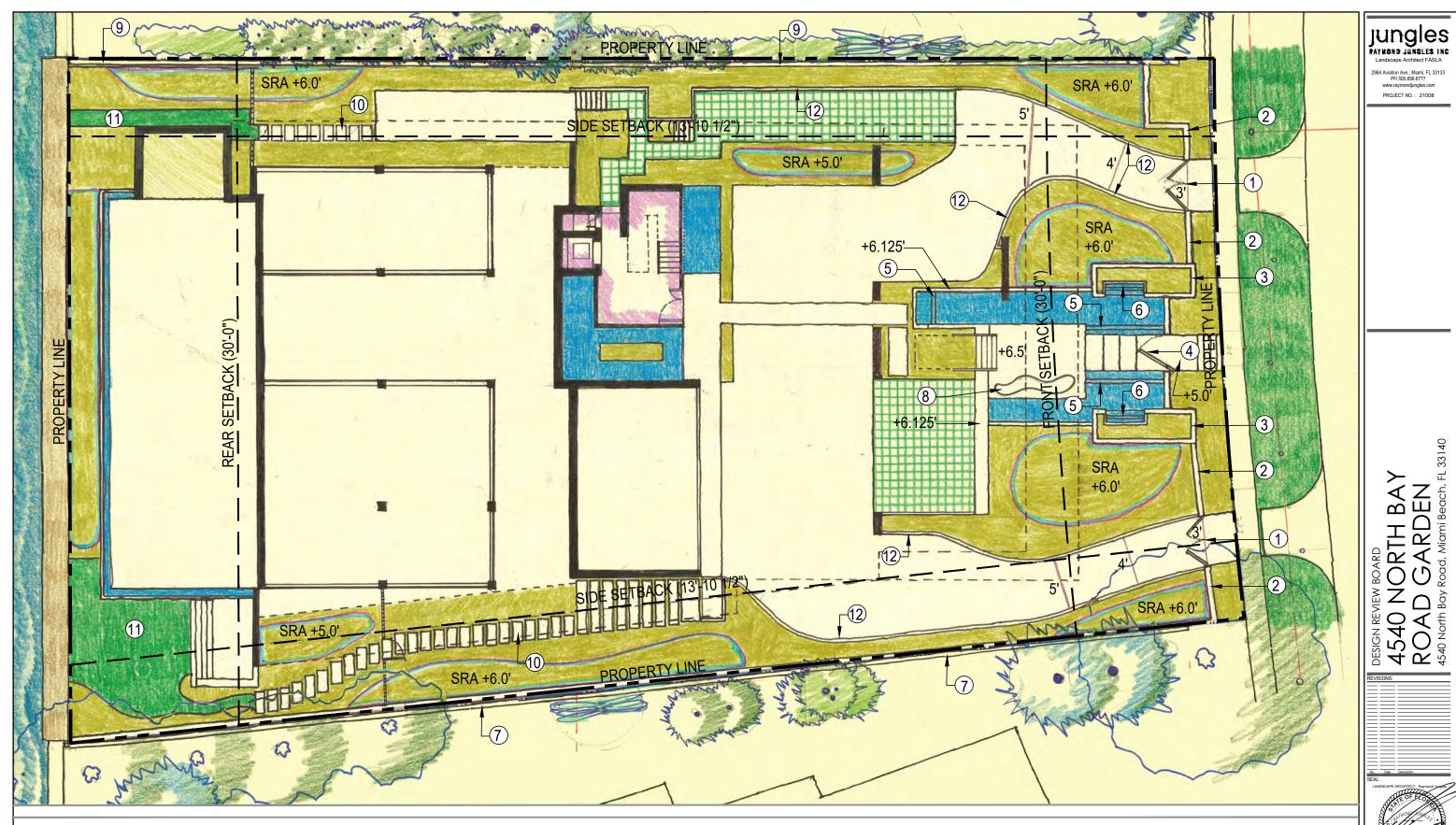
4

Drawn By: VA, JL Checked By: JS Date: 08/02/2021

L-102

TREE DISPOSITION

**NOTES & DETAILS** 



- (1) Swinging vehicular gates
- 2 Property fence (setback 4'-0" from Property Line 7'-0" height)
- 3 Masonry planters with stone veneer to match architecture at max. allowed height. To be planted with specimen sculptural trees and cascading plants.
- (4) Entry Pedestrian Pivot Wood Gate
- (5) Spillover at elev. +6.0' NGVD
- 6 Water cascades / chutes from elevated weir.
- TEXISTING masonry wall. Work with neighbor to raise max. allowed height based on adjusted grade.
- 8 Sculptural bench

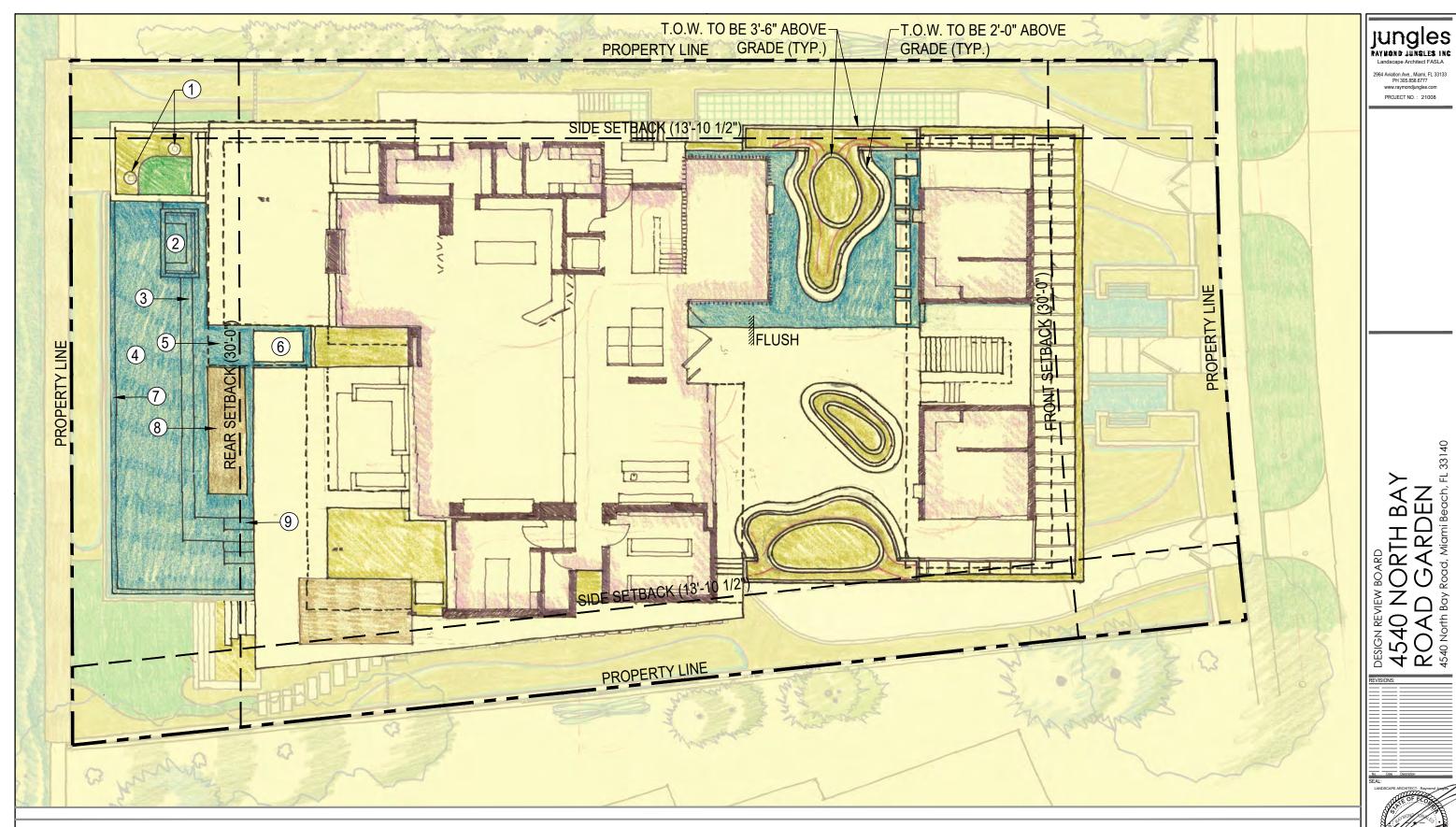
- (9) New masonry wall at max. allowed height.
- 10 Stone stepping pads
- 11 Lawn
- (2) Low retaining wall at max. elevation allowed (+/-6.56' NGVD). Steel trowel concrete with black pigment. Plants will cascade over the face. Base of wall will have 'floating' detail.





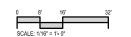


HARDSCAPE PLAN GROUND FLOOR



- ① Collar to allow Sabal Palm from grade to pass through planted terrace at pool level.
- ② Spa
- 3 Seat ledge
- 4 Swim lane
- (5) Swim out / Wet deck / Lounge ledge

- 6 Floating stone stepping pad
- (7) Infinity Edge
- (8) Floating wood lounge deck
- 9 Pool steps





L-104

HARDSCAPE PLAN FIRST FLOOR



- 1) Cocos nucifera Coconut Palms w/ character trunks
- (2) Sabal palmetto Sabal Palms w/ character trunks
- 3 Sabal domingensis or Copernicia fallaense Dominican Sabal Palm
- 4) Roystonea regia Royal Palm

- (5) Dypsis pembana Pemba Palm
- 6 Thrinax or Coccothrinax sp.
- 7 Ravenala madagascariensis Specimen Travelers Tree
- (8) Quercus virginiana or Busera simaruba Live Oak or Gumbo limbo
- (9) Clusia rosea Specimen Autograph Tree
- (10) Coccoloba uvifera Specimen Seagrape
- (11) Asymmetrical Specimen Canopy Tree
- 12 Miscellaneous Native Understory Tree
- (13) Polyalthia longifolia Specimen Mast Tree
- (14) Guaiacum officinale Specimen Lignum vitae
- (15) Relocated Cordia sebestena Orange Gieger Tree from R.O.W.
- (16) Existing Cordia sebestena Orange Gieger Tree
- (17) Cordia sebestena Orange Gieger Tree to match existing
- (18) Existing Handroanthus c. Yellow Tabebuia
- (9) Existing Phoenix Florida Hybrid
- 20 Existing Roystonea regia Royal Palm
- 21) Existing Ficus sp.
- 22 Existing Syagrus romanzoffiana Queen Palm
- 23 Existing Dwarf Clusia hedge
- (4) Existing Ravenala madagascariensis Travelers Tree
- 25) Existing Veitchia Palm
- 26 Existing Livistona chinensis

Chinese Fan Palm



L-106

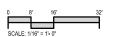
CANOPY
PLANTING PLAN
GROUND FLOOR

BAY EN

540



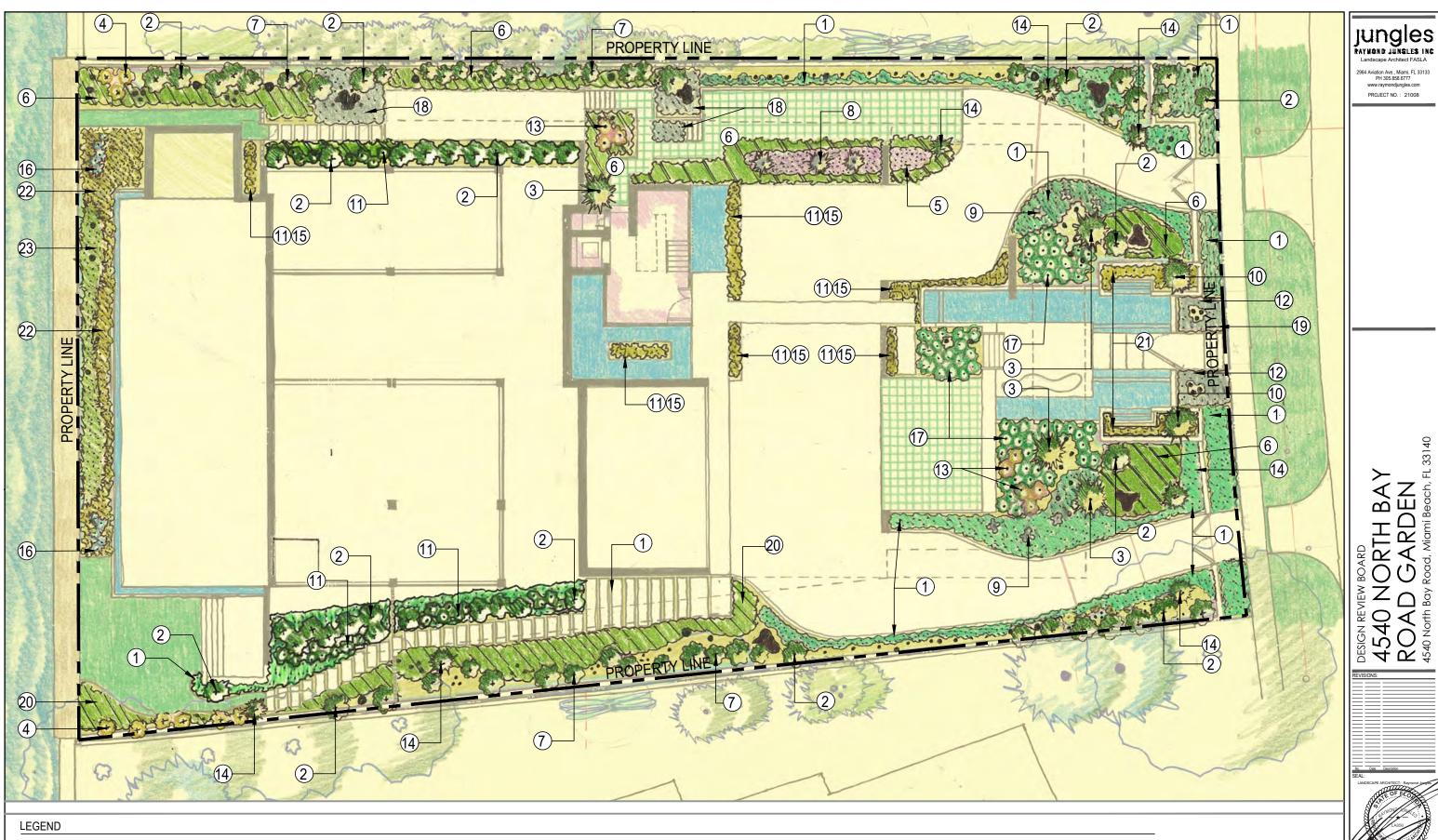
- ① *Dypsis pembana* Pemba Palm
- ② Dictyosperma album furfuraceum Hurricane Palm
- 3 Ptychosperma macarthurii Macarthur Palm
- 4 Clusia rosea
  Specimen Autograph Tree
- (5) Pandanus utilis or Dracaena draco Screw Pine or Canary Island Dragon Tree
- 6 Sabal palmetto
  Sabal Palm w/ character trunks
- Copernicia macroglossa Cuban Petticoat





Scale: 1/16" = 1'-0"
Drawn By: VA, JL
Checked By: JS
Date: 08/02/2021
SHEET NUMBER:
L-107

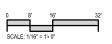
CANOPY
PLANTING PLAN
FIRST FLOOR



- 1) Philodendron 'Burle Marx'
- 2 Misc. Large Native Shrubs
- (3) Rhapis multifida Finger Palm
- (4) Chrysobalanus icaco 'Horizontal' Horizontal Cocoplum
- (5) Flowering Shrub with Tropical Texture
- 6 Heliotropium angiospermum Scorpion Tail
- (7) Misc. Low Native Shrubs
- (8) Alcantarea 'Odorata'

- 9 Alocasia sp.
- 10) Encephalartos ferox
- (1) Monstera deliciosa Swiss Cheese Vine
- (12) Neoregelia sp.
- (3) Philodendron 'Rojo Congo' Red Congo Philodendron
- (14) Zamia floridiana Coontie
- (15) Aglaonema sp.
- (16) Borrichia frutescens Silver Sea Oxeye
- 7 Farfugium japanicum 'Gigantea' Giant Leopard Plant
- (18) Hymenocallis latifolia Spider Lily
- 19 Microsorum scolopendrium Wart Fern
- 20 Nephrolepis exaltata Boston Fern

- (21) Phyllanthus myrtifolius 'Cascade' Mousetail 'Cascade'
- 22) Ernodea littoralis Golden Beach Creeper
- 3 Spartina bakeri Sand Cordgrass







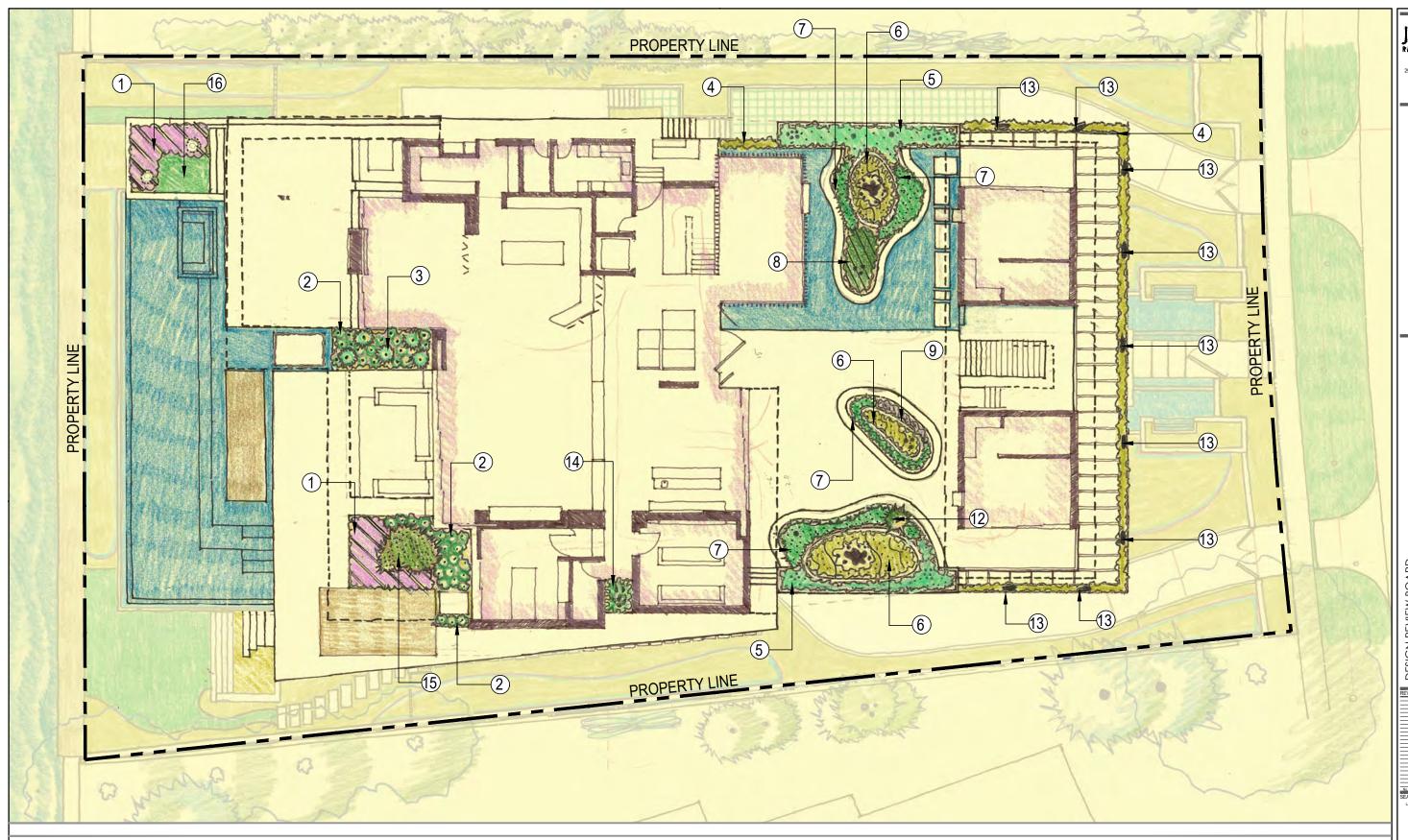
L-108

UNDERSTORY
PLANTING PLAN
GROUND FLOOR

BAY EN

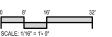
ORTH

RD



- Glandularia maritima
   Beach Verbena
- Peperomia obtusifolia Baby rubber plant
- 3 Alcantarea 'Odorata'
- (4) Ernodea littoralis Golden Beach Creeper
- 5 Philodendron 'Burle Marx'
- Phyllanthus myrtifolius 'Cascade'
   Mousetail 'Cascade'
- 7 Crinum americanum Crinum Lily
- 8 Colocasia esculenta 'Illustris' Elephant Ear
- Cascading Flowering Groundcover
- (10) Hymenocallis latifolia Spider Lily
- 11) Philodendron 'Burle Marx'
- 2 Zamia floridiana Coontie

- (13) Stephanotis floribunda Bridal Wreath
- (14) Clerodendrum speciosissimum Java Glory Vine
- (5) Heterocentron elegans Spanish Shawl
- 16 Lawn (TYP.)





JUNGLES INC Landscape Architect FASLA 2964 Aviation Ave., Mami, Ft. 33133 PH 305.858.6777 www.xaymondlungles.com PROJECT NO.: 21008

DESIGN REVIEW BOARD
4540 NORTH BAY
ROAD GARDEN
4540 North Bay Road, Miami Beach, FL (

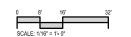
AASS LAGSCH

SHEETTITLE: UNDERSTORY PLANTING PLAN FIRST FLOOR

Scale: 1/16" = 1'-0" Drawn By: VA, JL Checked By: JS Date: 08/02/2021 SHEET NUMBER:



- 1 Alcantarea imperialis Imperial Bromeliad
- 2 Ernodea littoralis Golden Beach Creeper
- 3 Bulbine frutescens 'Peach' **Desert Candles**
- (5) Tripsacum floridana Florida Gama Grass
- 6 Zoysia japonica Zoysia Grass
- 7 Alocasia 'Regal Shields'
- 8 Nephrolepis exaltata Boston Fern



2964 Aviation Ave., Miami, FL 33133 PH 305.858.6777 www.raymondjungles.com PROJECT NO.: 21008

DESIGN REVIEW BOARD
4540 NORTH BAY
ROAD GARDEN
4540 North Bay Road, Miami Beach, FL 33

ET TITLE:

UNDERSTORY

PLANTING PLAN

SECOND FLOOR

# jungles

#### 4540 North Bay Road Garden | Proposed Plant List

RELOCATED TREES

Miami Beach, Fl. 28-Jun-21

CD	TILL	101	F 1	
CIRI	JUIN	I DI	r v	-

QTY SYM Botanical Name

4 RMU Rhapis multifida

1	CSE	Cordia sebestena	Orange Gieger Tree	Yes	(Tree #37 from K.O.W.)
		TREES	Ac.		
QTY	SYM	Botanical Name	Common Name	Native	Specifications
4	ASC	Asymmetrical Specimen Canopy Tree	T.B.D.		16' HT. x 8' SPR.; 4" DBH (minimum)
2	CRO	Clusia rosea	Autograph Tree	Yes	Specimen; 24' HT. x 20' SPR.; Character trunk (30" DBH min.)
1	CSE	Cordia sebestena	Orange Gieger Tree	Yes	F.G.; 12'-14' HT.; 4" DBH (to match existing)
1	CUV	Coccoloba uvifera	Seagrape	Yes	Specimen; 16' HT. x 8' SPR.; 4" DBH (minimum); Multi-trunk w/ character branching
2	GOF	Guaiacum officinale	Lignum vitae	Yes	100 Gal.; 6'-8' HT.; Character branching
19	PLO	Polyalthia longifalia 'Upright'	False Ashoka	No	16' HT. (matching)
1	BSI	Bursera simaruba	Gumbo Límbo	Yes	F.G.; 18'-20' HT. x 12' SPR.; 8" D8H
1	QVI	Quercus virginiana	Live Oak	Yes	Tr.Q., 10-20 HI. X 12 SPR., 0 DDH

Native

Common Name

Finger Pal m

		PALMS			
QTY	SYM	Botanical Name	Common Name	Native	Specifications
21	CAR	Coccothrinax sp.	T.B.D.		7'-13' WD; Staggered heights; Character trunks
21	TRA	Thrinax radiata	Green Thatch Palm	Yes	13'-21' WD; Staggered heights; Character trunks
-	CFA	Copernicia fallaense	Same	No	Specimen; \$15,000.00 planted price allowance. To be selected by Landscape Architect
5	SDO	Sabal domingensis	Dominican Sabal Palm	No	20'-25' CT.; Heavy
5	CNU	Cocos nucifera	Coconut Palm	No	25'-35' WD.; Staggered heights; Character trunks
8	DPE	Dypsis pembana	Pemba Palm	No	F.G.; 16'-20' HT.; 5 trunks min.
4	RRE	Roystonea regia	Royal Palm	Yes	25'-35' GW; Heavy
10	SPA	Sabal palmetto	Sabal Palm	Yes	25'-35' CT.; Staggered heights; Character trunks

UNDERSTORY TREES / LARGE SHRUBS						
QTY	SYM	Botanical Name	Common Name	Native	Specifications	
17	LNS	T.B.D.	Misc. Large Native Shrubs	Yes	12' HT. x 6' SPR.; 2" DBH (minimum)	
16	LNS	T.B.D.	Misc. Large Native Shrubs	Yes	45 Gal.; 6'-8' HT. x 4'-5' SPR.; Bush	
14	MUT	T.B.D.	Misc. Native Understory Tree	Yes	12' HT. x 6' SPR.: 2" DBH (minimum)	

UNDERSTORY PALMS		SYM Botanical Nar	SYM Botanical Name Common N	ame Native Specifications	
	mer meet and the management will be a factory of the factory of th	UNDERSTO	UNDERSTORY PALMS		
14 MUT 7.B.D. Misc. Native Understory Tree Yes 12'HT. x 6'SPR.; 2" DBH (minimum)			LNS   T.B.D.   Misc. Large	Native Shrubs Yes 45 Gal.; 6'-8' HT. x 4'-5' SPR.; Bush	

No 15 Gal.; 5'-6' HT.

		UNDERSTORY SHRUBS				
QTY	SYM	Botanical Name	Common Name	Native	Specifications	
9	CI	Chrysobalanus icaco 'Horizontal'	Cocoplum	Yes	7 Gal.; 24" HT.; Full	
74	FS	Flowering Shrub with Tropical Texture	T.B.D.		7 Gal.; Full	
59	HA	Heliotropium angiospermum	Scorpion Tail	Yes	3 Gal.; Full	
59	LS	T.B.D.	Misc. Low Native Shrubs	Yes	7 Gal.; 24"-36" HT.; Full	

		ACCENTS				
QTY	SYM	Botanical Name	Common Name	Native	Specification	
3	AO	Alcantarea 'Odorata'	Same	No	7 Gal.; Full	
3	AP	Alocasia sp.	Elephant Ear	No	15 Gal.	
2	EF	Encephalartos ferox	Same	No	15 Gal.; 3'-4' HT.	
52	MD	Monstera deliciosa	Swiss Cheese Vine	No	7 Gal.; Mature leaves	
3	RM	Ravenala madagascariensis	Travelers Tree	No	Specimen; 24'-28' HT.	
48	PR.	Philodendron 'Rojo Congo'	Red Congo Philodendron	No	7 Gal.; Full	
7	ZF	Zamia floridiana	Coontie	Yes	7 Gal.; 18" HT.; Full	

-		GROUNDCOVERS	The second second			
QTY	SYM	Botanical Name	Common Name	Native	Specification	
52	AS	Aglaonema sp.	Same	No	3 Gal.; Full	
10	BF	Borrichia frutescens	Silver Sea Oxeye	Yes	3 Gal.; Full	
90	EL	Ernodea littoralis	Golden Beach Creeper	Yes	3 Gal. @ 24" O.C.; Full	
28	FJ	Farfugium japanocum 'Gigantea'	Giant Leopard plant	No	3 Gal. @ 24" O.C.; Full	
31	HL	Hymenocallis latifolia	Spider Lily	Yes	3 Gal. @ 24" O.C.; Full	
34	MS	Microsorum scolopendrium	Wart Fern	No	1 Gal. @ 18" O.C.; Full	
227	NE	Nephrolepis exaltata	Boston Fern	Yes	3 Gal.; 18" HT. @ 24" O.C.; Full	
112	NS	Neoregelia sp.		No	1 Gal. @ 12" O.C.; Full	
258	PB	Philodendron 'Burle Marx'	Same	No	3 Gal. @ 24" O.C.; Full	
24	PM	Phyllanthus myrtifolius 'Coscade'	Mousetail 'Cascade'	No	3 Gal. @ 24" O.C.; Full	
		GRASSES		0.00	Control of the Contro	
QTY	SYM	Botanical Name	Common Name	Native	Specification	
98	SB	Spartina bakeri	Sand Cordgrass	Yes	3 Gal. @ 18" O.C.	

		TREES	7 - 7 -			
QTY	SYM	Botanical Name	Common Name	Native	Specifications Specifications	
1	CRO	Clusia rosea	Autograph Tree	Yes	Specimen; 16' HT. x 16' SPR.; Character trunk (30" DBH min.)	
	DDR	Dracaena draca	Canary Islands Dragon Tree	No		
1	PUT	Pandanus utilis	Screw Pine	No	Specimen; To be selected by Landscape Architect	
		PALMS		-		
QTY	SYM	Botanical Name	Common Name	Native	Specifications	
1	CMA	Copernicia macroglossa	Cuban Petticoat	No	45 Gal.; 5' HT.	
3	DAF	Dictyosperma album furfuraceum	Hurricane Palm	No	25 Gal.; 6'-8' HT.	
6	DPE	Dypsis pembana	Pemba Palm	No	F.G.; 16'-20' HT.; 5 trunks min.	
4	PMA	Ptychosperma macarthurii	Macarthur Palm	No		
2	SPA	Sabal palmetto	Sabal Palm	Yes	25'-35' CT.; Staggered heights; Character trunks	
-		ACCENTS				
QTY	SYM	Botanical Name	Common Name	Native	Specification	
5	AO	Alcantarea 'Odorata'	Same	No	7 Gal.; Full	
43	CA	Crinum americanum	Crinum Lily	Yes	3 Gal.; Full	
12	CE	Colocasia esculenta 'Illustris'	Elephant Ear	No	7 Gal.; Full	
1	ZF	Zamia floridiana	Coontie	Yes	7 Gal.; 18" HT.; Full	
-	LI	Zamayionalana	coolide	ies	7 dai, 10 111, ruii	
		GROUNDCOVERS				
QTY	SYM	Botanical Name	Common Name	Native	Specification	
11	CF	Cascading Flowering Groundcover	T.B.D.		1 Gal. @ 18" O.C.; Full	
55	EL	Ernodea littoralis	Golden Beach Creeper	Yes	3 Gal. @ 24" O.C.; Full	
113	GM	Glandularia maritima	Beach Verbena	Yes	1 Gal. @ 18" O.C.; Full	
32	HE	Heterocentron elegans	Spanish Shawl	No	1 Gal. @ 18" O.C.; Full	
24	HL	Hymenocallis latifolia	Spider Lily	Yes	3 Gal. @ 24" O.C.; Full	
45	PB	Philodendron 'Burle Marx'	Burle Marx Philodendron	No	3 Gal. @ 24" O.C.; Full	
51	PM	Phyllanthus myrtifolius 'Cascade'	Mousetail 'Cascade'	No	3 Gal. @ 24" O.C.; Full	
38	PO	Peperomia obtusifolia	Baby rubber plant	Yes	1 Gal. @ 18" O.C.; Full	
_			2.12.214.			
om/	mun.s.	VINES	la		le uti a	
QTY	SYM	Botanical Name	Common Name	Native	Specification	
13	CS	Clerodendrum speciosissimum	Glory Bower	No	3 Gal.	
9	SF	Stephanotis floribunda	Bridal Wreath	Yes	7 Gal.	
	C 10 10	SOD				
QTY	SYM	Botanical Name	Common Name	Native	Spe dification	
55SF	ZJ	Zoysia japonica	Zoysia Grass	No	Solid Sod; Quantity shown in square feet	
					***************************************	
CON	D FLO	OR				
-		ACCENTS				
QTY	SYM	Botanical Name	Common Name	Native	Specification	
7	AR	Alocasia 'Regal Shields'	Elephant Ear	No	7 Gal.	
4	Al	Alcantarea imperialis	Bromeliad	No	7 Gal.	
		GROUNDCOVERS	T	1	The state of the s	
QTY	SYM	Botanical Name	Common Name	Native	Specification	
45	EL	Ernodea littoralis	Golden Beach Creeper	Yes	3 Gal. @ 24" O.C.; Full	
52	BF	Bulbine frutescens 'Peach'	Desert Candles	No	1 Gal. @ 12" O.C.; Full	
7	NE	Nephrolepis exaltata	Boston Fern	Yes	3 Gal.; 18" HT. @ 24" O.C.; Full	
		CDASSES				
		GRASSES				
QTY	SYM	Botanical Name	Common Name	Native	Specification	

Native Specification
No Solid Sod; Quantity shown in square feet; Allow to mound

# Miami Beach, Fl. 28-Jun-21

Common Name Zoysia Grass

SOD QTY SYM Botanical Name
233 SF ZJ Zoysia japonica

4540 North Bay Road Garden | Mitigation Chart

Mitigation Chart	AA Marine Control of the Control		
Total Tree D.B.H. Removed Requiring Mitigation	27 inches (5 trees @ 16' HT. x 8' SPR.)		
Proposed Trees with 16' HT. x 8' SPR.; 4" D.B.H. (minimum)	8 (refer to 'Trees' category in plant list		
Remaining Tree D.B.H. Removed Requiring Mitigation	0		
Total Palms Removed Requiring Mitigation Tree Replacement on a 1:1 basis	28 (12' HT.; 2" DBH.)		
Proposed Trees with 12' HT. and 2" D.B.H. (minimum)	32 (refer to understory trees / large shrubs category)		

4540 North Bay Road Garden   Tree Replacement / Mitigat Miami Beach, Fl. 28-Jun-21	tion List
Tree Replacement / Mitigation List	-53
eplacement Mitigation Trees (16' HT. x 8' SPR.; 4" DBH. (minimum) specifications	8
4) Asymmetrical Specimen Canopy Tree, (2) Autograph Tree, (1) Seagrape, (1) Live O	ak -or- Gumbo Limbo
Replacement / Mitigation Trees (12' HT.; 2" DBH. (minimum) specifications	32
(1) Orange Geiger, (17) Misc. Large Native Shrubs, (14) Misc. Native Understory Trees	



2964 Aviation Ave., Miami, FL 33133 PH 305.858.6777 www.raymondjungles.com PROJECT NO.: 21008

DESIGN REVIEW BOARD
4540 NORTH BAY
ROAD GARDEN
4540 North Bay Road, Miami Beach, FL 33

PLANT LIST & MITIGATION CHART

Scale: N/A Drawn By: VA, JL Checked By: JS Date: 08/02/2021 SHEET NUMBER:

	CITY OF MIAMI BEACH LANDSCAPE LEGEND INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS  ZONING DISTRICT RS-2 LOT AREA 22,885 SF ACRES 0.52						
	OPEN SPACE	REQUIRED/ ALLOWED	PROVIDED				
A.	SQUARE FEET OF REQUIRED OPEN SPACE AS INDICATED ON SITE PLAN: LOT AREA = 22,885 S.F. X 70% % = 16,019.5 S.F.	16,019.5 SF	16,281 SF				
В.	SQUARE FEET OF PARKING LOT OPEN SPACE REQUIRED AS INDICATED ON SITE PLAN:	N/A	N/A				
	NUMBER OF PARKING SPACES X 10 S.F. PARKING SPACE =	N/A	N/A				
C.	TOTAL SQUARE FEET OF LANDSCAPED OPEN SPACE REQUIRED: A+B=	16,019.5 SF	16,281 SF				
	COVERAGE EXEMPTION (5'-0" PROJECTIONS-1,779 SQ.FT.)						
	LAWN AREA CALCULATION						
A.	SQUARE FEET OF LANDSCAPED OPEN SPACE REQUIRED 22,998 SF						
В.	MAXIMUM LAWN AREA (SOD) PERMITTED= 50 % X 16,020 S.F.=8,010 SF	8,010 SF	275 SF				
	TREES						
A.	TREES REQUIRED PER NET LOT ACRE	21	21				
	TREES ON FRONT YARD	2	5				
	TREES ON BACK YARD	3	16				
	TREES IN EXCESS OF 6,000 SF LOT (1 TREE X 1,000 SF)	16					
	TOTAL TREES ON LOT	21	21				
В.	30% NATIVES REQUIRED: 21 X 30% = 6.3	7	17				
C.	50% LOW MAINTENANCE / DROUGHT AND SALT TOLERANT REQUIRED: 21 X 50% = 10.5	11	17				
D.	STREET TREES (MAXIMUM AVERAGE SPACING OF 20' O.C.) 100 LF / 20' = 5	N/A	N/A				
Ε.	STREET TREE SPECIES ALLOWED DIRECTLY BENEATH POWER LINES: (MAXIMUM AVERAGE SPACING OF 20' O.C.):	5	5				
	SHRUBS						
A.	NUMBER OF SHRUBS REQUIRED: SUM OF LOT AND STREET TREES REQUIRED 26 X 12 = 312	312	702				
В.	50% NATIVE SHRUBS REQUIRED: 312 X 50% = 156	156	358				
	LARGE SHRUBS OR SMALL TREES						
A.	LARGE SHRUBS OR SMALL TREES (10% OF REQUIRED SHRUBS) 312 X 10% = 31.2	32	33				
В.	50% NATIVE LARGE SHRUBS OR SMALL TREES REQUIRED: 32 X 50% = 16	16	33				



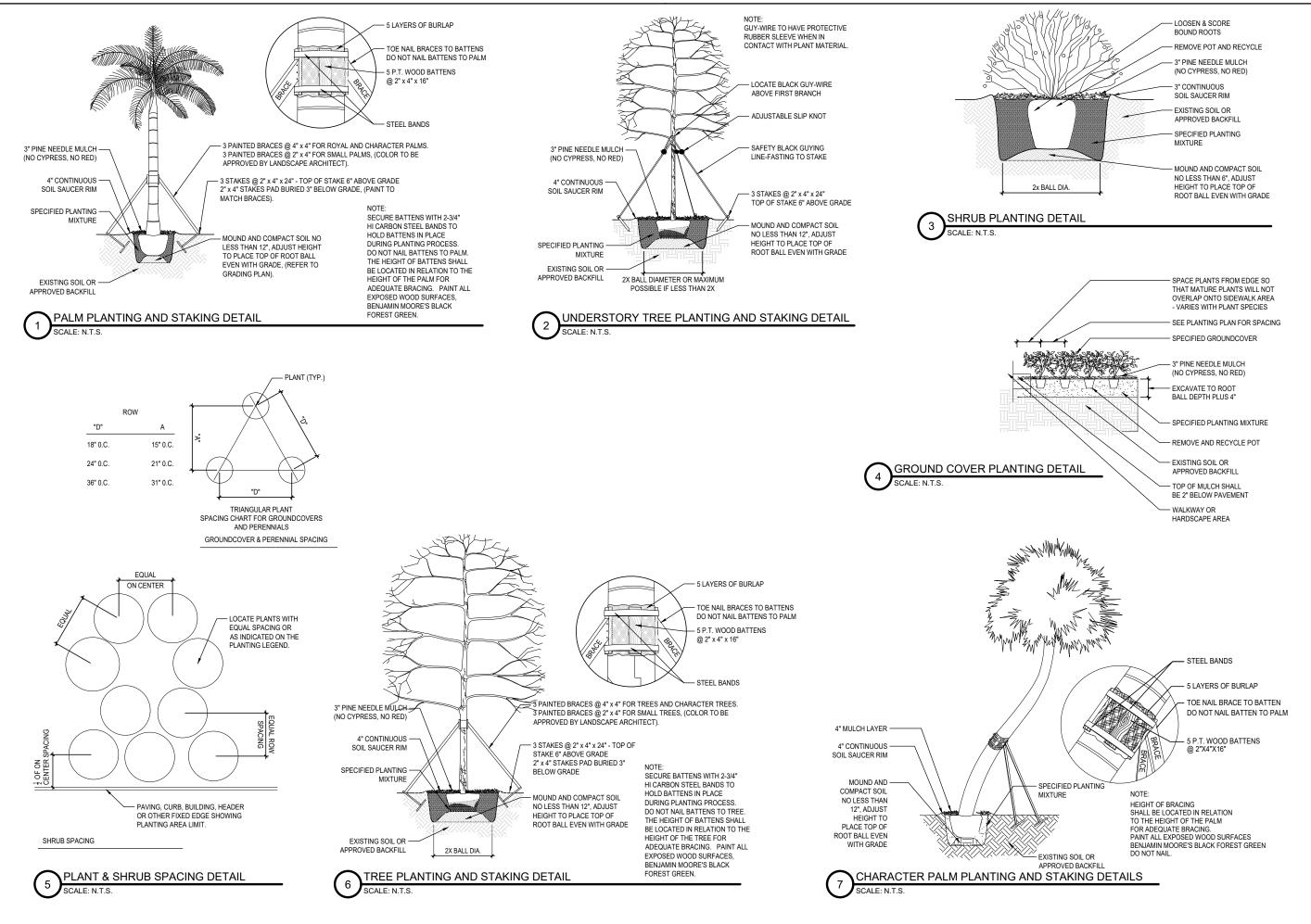
2964 Aviation Ave., Miami, FL 33133 PH 305.858.6777 www.raymondjungles.com PROJECT NO.: 21008

DESIGN REVIEW BOARD
4540 NORTH BAY
ROAD GARDEN
4540 North Bay Road, Miami Beach, FL 33140

LANDSCAPE LEGEND

L-112

Scale: AS SHOWN Drawn By: VA, JL Checked By: JS Date: 08/02/2021 SHEET NUMBER:



2964 Aviation Ave., Miami, FL 33133 PH 305.858.6777 www.ravmondiungles.com

PROJECT NO.: 21008

FL 33140 മ 0 54( 454 RO/

PLANTING DETAILS

Scale: N/A Drawn By: VA, JL Checked By: JS Date: 08/02/2021

#### GENERAL LANDSCAPE NOTES AND SPECIFICATIONS

- LANDSCAPE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SCOPE OF WORK AS WELL AS THE SITE. DIGGING CONDITIONS. AND ANY OBSTACLES PRIOR TO SUBMITTING A BID.
- LANDSCAPE CONTRACTOR SHALL PROVIDE AN INSTALLATION SCHEDULE TO THE GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
- LANDSCAPE CONTRACTOR SHOULD VERIFY ALL ESTIMATED QUANTITIES OF MATERIAL SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO SUBMITTING A BID.
- 4. PLANT PLAN SHALL TAKE PRECEDENCE OVER PLANTING LIST IN CASE OF DISCREPANCIES.
- ALL PLANT MATERIAL SYMBOLS SHOWN ON LANDSCAPE PLANS SHALL BE CONSIDERED DIAGRAMMATIC AND SHOULD BE ADJUSTED IN THE FIELD BY LANDSCAPE CONTRACTOR TO AVOID ALL UTILITIES AND ALL OTHER OBSTRUCTIONS. AFTER CONSULTING THE LANDSCAPE ARCHITECT.
- 6. ALL SIZES SPECIFIED FOR PLANT MATERIAL ON THE PLAN AND PLANT LIST SHALL BE CONSIDERED
- ALL PLANT MATERIAL MUST MEET OR EXCEED THE SPECIFIED MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. MEASURE ALL INSTALLED PLANTS AND COMPARE AGAINST SPECIFICATIONS.
- ANY SPECIFIC REQUIREMENTS SUCH AS SPECIFIC SHAPE, CHARACTER, NUMBER OF TREE TRUNKS, PLANT SOURCE, TRANSPORTING, AND OR SPECIAL BRACING NOTED ON THE PLAN OR PLANT LIST, WILL REQUIRE APPROVAL AND OR COORDINATION WITH THE LANDSCAPE ARCHITECT.
- 9. NO CHANGE OR SUBSTITUTION SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE LANDSCAPE
- ALL MATERIAL SHALL BE SUBJECT TO AVAILABILITY AT TIME OF INSTALLATION. SUBSTITUTIONS MAY BE MADE AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT
- ALL TREES, PALMS, SHRUBS AND GROUND COVERS SHALL BE GUARANTEED FOR A PERIOD OF 12 MONTHS FROM DATE OF FINAL ACCEPTANCE.
- 12. CHANGES MAY OCCUR DURING THE NORMAL COURSE OF IMPLEMENTATION. VERBAL CHANGE ORDERS WILL NOT BE HONORED. ANY CHANGES MUST BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING AS A CHANGE ORDER TO BE REVIEWED AND APPROVED IN WRITING BY OWNERFOLDERS.
- 13. LANDSCAPE CONTRACTOR SHALL LOCATE AND VERIFY ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO DIGGING. LANDSCAPE CONTRACTOR SHALL REPAIR ALL DAMAGES TO UNDERGROUND UTILITIES, AND OR CONSTRUCTION CAUSED BY LANDSCAPE INSTALLATION, AT NO COST TO THE OWNER.
- 14. LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, THE REMOVAL OF ALL BUILDING CONSTRUCTION DEBRIS AND FOREIGN MATERIAL PRIOR TO INSTALLATION OF ANY PLANT MATERIAL.
- 15. SITE PREPARATION SHOULD INCLUDE THE ERADICATION AND REMOVAL OF ANY WEEDS OR GRASS, REMOVAL AND CLEAN UP OF ANY DEAD MATERIAL AND ROUGH AND FINISH GRADING PER SPECS AND OR LANDSCAPE PLANS.
- 16. FOR PLANT MATERIAL DESIGNATED TO BE REMOVED, THE ENTIRE ROOT SYSTEM SHALL BE DUG AND REMOVED FROM THE SITE.
- 17. ALL PLANTING AREAS SHALL BE EXCAVATED TO A MINIMUM OF 6" FOR GROUNDCOVERS AND MORE THAN 12" FOR SHRUBS, TREES, AND PALMS, AND SHOULD RECEIVE PLANTING SOIL TYPE 1(REFER TO SOIL SPECIFICATIONS LP. 402) (COARSE SAND 70%, FLORIDA PEAT 20%, PINE BARK 10% FINAL TESTED ORGANIC MATTER BETWEEN 1.5% & 2.5% (BY DRY WEIGHT). SUBMIT ALL TESTING DATA FOR APPROVAL BY LANDSCAPE ARCHITECT.
- 18. ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 OR BETTER. FLORIDA DEPARTMENT OF AGRICULTURE GRADES AND STANDARDS, PARTS I & II, 1975, RESPECTIVELY.
- ALL TREES SHALL BE STAKED IN A GOOD WORKMANLIKE MANNER. NO NAIL STAKING PERMITTED. (REFER TO BRACING NOTES AND PLANTING DETAILS)
- 20. AFTER REMOVAL OR RELOCATION OF EXISTING TREES AND PALMS, ALL REMAINING HOLES SHALL BE BACK FILLED AROUND AND UNDER ROOT BALL WITH WASHED BEACH SAND. SOD DISTURBED AREA, IF REQUIRED. ALL SHRUB BEDS TO BE INSTALLED WITH WASHED BEACH SAND. (SEE SPEC)

- ALL TREES, PALMS, SHRUBS AND GROUND COVER PLANTS SHALL BE FERTILIZED AT INSTALLATION,
  WITH LONG LASTING FERTILIZER, ACCORDING TO MANUFACTURERS' RECOMMENDATIONS AND BASED
  ON FXISTING SOIL TEST
- 22. ALL EXISTING PLANT MATERIAL TO REMAIN, SHALL BE PROTECTED DURING ALL CONSTRUCTION PHASES. ANY PLANT MATERIAL SCARRED OR DESTROYED DESIGNATED TO REMAIN MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH SIMILAR SPECIES SIZE AND QUALITY.
- 23. ALL TREES ON SOD AREA SHALL RECEIVE A HARDWOOD / PINE NEEDLE MULCH MIX RING 2' IN DIAMETER TYPICAL. MULCH TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND/OR INSTALLATION.
- 24. ALL PLANTING AREAS SHALL BE MULCHED WITH PINE STRAW MULCH TO A MINIMUM OF 3"; WITH THE EXCEPTION OF BEACH PLANTING, DO NOT USE CYPRESS OR RED MULCH
- 25. ALL TREES SHALL HAVE 2" CALIPER AT D.B.H. MINIMUM FOR A 10' HEIGHT TREE, UNLESS NOTED
- ALL 1 GALLON MATERIAL SHALL HAVE 12" SPREAD MINIMUM, ALL 3 GALLON MATERIAL TO HAVE 20-24" SPREAD MINIMUM.
- 27. ALL PLANTING AREAS WITHIN THE LIMITS OF WORK SHALL RECEIVE 100% COVERAGE BY AUTOMATIC IRRIGATION SYSTEM (DRIP PREFERRED) UNLESS OTHERWISE DIRECTED BY OWNER. SEE IRRIGATION PLANS FOR ADDITIONAL SPECIFICATIONS.
- 28. LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER APPROPRIATE CONTRACTORS
- THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE JOB SITE CLEAN AND FREE FROM ACCUMULATION OF WASTE MATERIAL, DEBRIS, AND RUBBISH.
- 30. LANDSCAPE PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL LOCAL CODES.
- ON-SITE LAYOUT OF PLANT MATERIAL SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT AT THE TIME OF INSTALLATION.
- ALL PLANTS, MATERIALS, WORKMANSHIP, AND INVOICE APPROVAL ARE SUBJECT TO THE APPROVAL
  OF THE LANDSCAPE ARCHITECT.
- CONTRACTOR TO FLAG ALL PROPOSED TREE AND PALM LOCATIONS FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.
- 34. LANDSCAPE ARCHITECT TO APPROVE ALL SHRUB AND GROUNDCOVER PLANTING LOCATION AND LAYOUT PRIOR TO INSTALLATION.
- 35. CONTRACTOR SHALL PROVIDE DIGITAL PHOTOGRAPHIC DOCUMENTATION DURING INSTALLATION FOR LANDSCAPE ARCHITECT'S REVIEW, WEEKLY.
- 36. LANDSCAPE CONTRACTOR TO INSURE ALL PLANT MATERIAL IS INSTALLED AT THE CORRECT FLEVATION. REFER TO GRADING PLAN
- 37. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN OR COORDINATE WITH THE IRRIGATION CONTRACTOR AND LANDSCAPING MAINTENANCE SERVICES ALL PLANTING INCLUDING WATERING, MOWING, MULCHING, WEED, AND PEST CONTROL UNTIL FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT AND OWNER.
- 38. THE AWARDED LANDSCAPE CONTRACTOR SHALL SUBMIT A PROPOSED BID / CONTRACT WITH UNIT COST PRICING FOR ALL PLANT MATERIAL INCLUDING (WARRANTY, LABOR, TRANSPORTATION, RELOCATION, SITE MAINTENANCE AND PREPARATION) AS PER THE LANDSCAPE ARCHITECT'S SPECIFICATIONS AND OR PLANTING PLANS.
- 39. THE LANDSCAPE CONTRACTOR'S CONTRACT SHALL ACKNOWLEDGE ALL TERMS AND CONDITIONS SET FORTH UNDER THESE GENERAL LANDSCAPE NOTES AND SPECIFICATIONS.
- 40. THESE DRAWINGS, DOCUMENTS, AND ALL CONTENTS ARE THE PROPERTY OF RAYMOND JUNGLES, INC. ALL RIGHTS ARE RESERVED. UNAUTHORIZED USE OR PRODUCTION, IN PART OR WHOLE, FOR ANY PURPOSE IS UNLAWFUL AND PROHIBITED EXCEPT BY EXPRESS WRITTEN CONSENT.
- 41. IN ADDITION TO THE ABOVE PLANT LIST AND SPECIFICATIONS THERE IS TO BE AN ADDITIONAL \$20,000.00 WHOLESALE PLANT ALLOWANCE LANDSCAPE ARCHITECT TO SELECT ACCENT SPECIMENS DURING NURSERY VISITS. LANDSCAPE ARCHITECT TO LAY OUT ACCENT PLANTS IN THE FIELD.
- 42. FINAL GRADES SHALL BE APPROVED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.

#### GENERAL TREE BRACING NOTES AND SPECIFICATIONS:

TREES AND PALMS GREATER THAN 6" DBH TO BE BRACED WITH PROPS:

- CHOOSE THE CORRECT SIZE, LENGTH, AND NUMBER OF PROPS TO BE USED (PRESSURE TREATED (PT), TIMBER BAMBOO (GUADUA ANGUSTIFOLIA) 3" DIA.).
- 2. ALL (PRESSURE TREATED (PT) 2"X4", 4"X4"). STAKES SHALL BE PAINTED AS SPECIFIED BY THE LANDSCAPE ARCHITECT. WRAP AT LEAST 5 LAYERS OF BURLAP AROUND TRUNK OF THE PALM AT LEAST 4 INCHES WIDER THAN THE BATTENS BEING USED. BATTENS SHOULD BE MOUNTED AT A POINT 1/3 OF THE DISTANCE FROM GROUND TO THE CLEAR TRUNK OF THE TREE OR PALM, BUT NOT LESS THAN 4 FEET, WHICHEVER IS GREATER. ALL PAINT COLORS TO BE APPROVED BY LANDSCAPE ARCHITECT.
- 3. SELECT THE PROPER LENGTH AND SIZE OF BATTENS (PT 2"X4"X12"-16")
- 4. USE THE SAME NUMBER OF BATTENS AS PROPS BEING USED
- 5. PLACE THE BATTENS VERTICALLY AND EVENLY SPACED AGAINST THE BURLAP
- 6. SECURE THE BATTENS IN PLACE WITH METAL OR PLASTIC BANDING STRAPS. DO NOT NAIL TREE.
- . WEDGE LOWER END OF PROP INTO SOIL AND SECURE WITH A 2"X4"X30" STAKE. PROPS SHOULD BE INSTALLED AT A 30 TO 40 DEGREE ANGLE FROM THE BATTENS AND OF SUFFICIENT LENGTH TO REACH THE GROUND. NOTE: ON STRAIGHT TREES OR PALMS OR TREES, SPACE PROPS EQUAL DISTANCE AROUND TREE OR PALM ON CURVED (CHARACTER) PALMS OR TREES, SPACE PROPS AGAINST THE FRONT OF THE CURVE OF THE PALM.
- CUT A SMOOTH ANGLE AT THE END OF THE PROPS. ALIGN WITH AND NAIL INTO BATTENS. DO NOT PENETRATE TREE OR PALM WITH NAILS.
- IF IT APPEARS THAT ADDITIONAL CONSTRUCTION WORK WILL TAKE PLACE NEAR TO OR IN THE VICINITY OF THE NEWLY BRACED TREES OR PALMS, THEN PROPS ARE TO BE CLEARLY LABELED WITH THE STATEMENT, "DO NOT REMOVE."
- 10. PROPS ARE NOT TO BE REMOVED UNTIL APPROVED BY THE LANDSCAPE CONTRACTOR.

TREES AND PALMS LESS THAN 6" DBH TO BE BRACED BY GUYING:

- . CHOOSE THE CORRECT SIZE AND NUMBER OF STAKES AND SIZE OF HOSE AND WIRE. GUYING SHALL BE COMPLETED WITHIN 48 HOURS OF PLANTING THE TREE.
- 2. CUT LENGTHS OF STAKING HOSE TO EXTEND 2 INCHES PAST TREE TRUNK WHEN WRAPPING AROUND.
- SPACE STAKES EVENLY ON OUTSIDE OF WATER RING AND DRIVE EACH FIRMLY INTO THE GROUND.
   STAKES SHOULD BE DRIVEN AT A 30 DEGREE ANGLE WITH THE POINT OF THE STAKE TOWARD THE TREE UNTIL 4 TO 5 INCHES ARE LEFT SHOWING.
- 4. PLACE THE HOSE AROUND THE TRUNK JUST ABOVE THE LOWEST BRANCH.
- 5. THREAD THE WIRE THROUGH THE HOSE AND PAST THE STAKE, ALLOWING APPROXIMATELY 2 FEET OF EACH OF THE TWO ENDS BEYOND THE STAKE BEFORE CUTTING THE WIRE.
- 6. TWIST WIRE AT RUBBER HOSE TO KEEP IT IN PLACE.
- PULL WIRE DOWN AND WIND BOTH ENDS AROUND STAKE TWICE. TWIST WIRE BACK ONTO ITSELF TO SECURE IT BEFORE CUTTING OFF THE EXCESS.
- THE ABOVE PROCEDURES ARE TO BE FOLLOWED FOR EACH STAKE, KEEPING THE TREE STRAIGHT AT ALL TIMES.
- THERE SHOULD BE A 1 TO 3 INCH SWAY IN THE TREE (THE WIRES SHOULD NOT BE PULLED TIGHT) FOR BEST ESTABLISHMENT.
- 10. FLAG THE GUY WIRES WITH SURVEYOR'S FLAGGING OR APPROVED EQUAL FOR SAFETY.
- 11. ANY WIRES ARE NOT TO BE REMOVED UNTIL APPROVED BY LANDSCAPE ARCHITECT.

#### SHOP DRAWINGS / SUBMITTALS AND MOCK-UPS

1. LANDSCAPE: SUBMIT PHOTOGRAPHS OF ALL MATERIALS WITH SCALE REFERENCE. INDICATE GROWER'S LOCATION AND ANY LEAD TIME FOR ROOT PRUNING OR PREPARATION.

Jungles

2964 Aviation Ave., Miami, FL 33133 PH 305.858.6777 www.raymondjungles.com PROJECT NO.: 21008

DESIGN REVIEW BOARD
4540 NORTH BAY
ROAD GARDEN
4540 North Bay Road, Miami Beach, FL 33140

No. Date Describe

SEAL:

LANGISCAFE ARCHITECT: Formered burner

CF: AASS

LANGISCAFE ARCHITECT: Formered burner

LANGISCAFE ARCHITECT:

PLANTING NOTES & SPECIFICATIONS

Scale: N/A Drawn By: VA, JL Checked By: JS Date: 08/02/2021

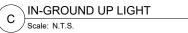






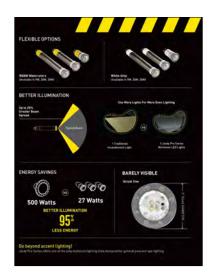








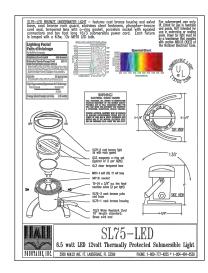










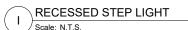












#### **GENERAL NOTES**

- PROPOSED LANDSCAPE LIGHTING IS TO BE SUBTLE, ACCENTUATE SPECIMEN AND OTHER KEY PLANT MATERIAL, AND PROVIDE WAYFINDING. LIGHTING FOR SPORTS COURTS OR OTHER ATYPICAL FEATURE LIGHTING IS NOT PROPOSED.
- ALL FIXTURES TO BE INSTALLED PER THE NATIONAL ELECTRICAL CODE (N.E.C.). THE N.E.C. SHALL GOVERN AND SUPERCEDE ALL SPECIFICATIONS. CONTRACTOR TO COORDINATE EXACT FIXTURE LOCATION WITH LANDSCAPE
- ARCHITECT PRIOR TO INSTALLATION. CONTRACTOR TO VERIFY TRANSFORMER QUANTITIES AND LOCATIONS PRIOR TO INSTALLATION
- ALL VISIBLE HARDWARE CONNECTIONS TO BE APPROVED BY LANDSCAPE ARCHITECT.
- NO LAMP SUBSTITUTIONS SHALL BE PERMITTED UNLESS APPROVED BY LANDSCAPE ARCHITECT
- PERFORMANCE ENHANCING LENSES TO BE SPECIFIED AND APPROVED BY LANDSCAPE ARCHITECT. PRISMATIC SPREAD LENSES TO BE USED FOR WIDE BEAM ANGLES.
- TRANSFORMERS SHALL BE MULTI-MATIC MAGNETIC STAINLESS STEEL.
- PRIOR TO PURCHASING MATERIALS, CONTRACTOR SHALL PROVIDE SUBMITTALS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL
- 10. WIRE SHALL BE UV RESISTANT DIRECT BURIAL LIGHTING CABLE INSTALLED A

- MINIMUM OF 6" BELOW GRADE. CONTRACTOR SHALL ALLOW FOR AN ADDITIONAL 15% LOAD ON EACH CIRCUIT.
- DIRECT BURIAL WIRE SHALL BE PROTECTED BY 2' LENGTH PVC SLEEVE AT EDGE OF EVERY LANDSCAPE BED LINE.
- ALL CONNECTORS USED SHALL BE KING INNOVATION SILICONE WATER-RESISTANT WIRE NUT CONNECTORS.
- 13. CONTRACTOR SHOULD VERIFY ALL ESTIMATED QUANTITIES OF MATERIAL SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO SUBMITTING A
- 14. NO CHANGE OR SUBSTITUTION SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT. ANY REVISION OR MODIFICATIONS TO THE LIGHTING PLAN MUST HAVE PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT & OWNER
- 15. CHANGES MAY OCCUR DURING THE NORMAL COURSE OF IMPLEMENTATION. VERBAL CHANGE ORDERS WILL NOT BE HONORED. ANY CHANGES MUST BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING AS A CHANGE ORDER TO BE REVIEWED AND APPROVED IN WRITING BY OWNER/CLIENT
- 16. LIGHTING CONTRACTOR SHALL LOCATE AND VERIFY ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO DIGGING. LIGHTING CONTRACTOR SHALL REPAIR ALL DAMAGES TO UNDERGROUND UTILITIES. AND OR CONSTRUCTION

- CAUSED BY LIGHTING INSTALLATION, AT NO COST TO THE OWNER LIGHTING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER APPROPRIATE CONTRACTORS.
- 18. LIGHTING PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL LOCAL CODES.
- ON-SITE LAYOUT OF LIGHT FIXTURES SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT AT THE TIME OF INSTALLATION
- 20. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS OR APPROVALS FROM THE FEDERAL, STATE OR LOCAL GOVERNMENT REQUIRED FOR THE WORK INCLUDED IN THIS CONTRACT AND ON THESE DRAWINGS.
- THESE DRAWINGS, DOCUMENTS, AND ALL CONTENTS ARE THE PROPERTY OF RAYMOND JUNGLES, INC. ALL RIGHTS ARE RESERVED. UNAUTHORIZED USE OR PRODUCTION, IN PART OR WHOLE, FOR ANY PURPOSE IS UNLAWFUL AND PROHIBITED EXCEPT BY EXPRESS WRITTEN CONSENT.
- CONTRACTOR SHALL POWER, AND CONFIRM VIA TESTING THE VOLTAGE OF EACH FIXTURE TO ENSURE THAT IT MEETS MANUFACTURER'S SPECIFICATIONS.
- ANY AND ALL WATER FEATURE LIGHTING FIXTURES SHALL BE 12 VOLT MAXIMUM AND BE GROUNDED.
- CONTRACTOR SHALL FURNISH ALL WARRANTY DOCUMENTATION TO OWNER AT COMPLETION OF JOB.
- 25. CONTRACTOR SHALL HAVE LIGHTING INSTALLATION PERMITTED AND

- INSPECTED BY THE GOVERNING REGULATORY AGENCY. APPROVAL DOCUMENTATION SHALL BE FURNISHED TO THE LANDSCAPE ARCHITECT &
- 26. CONTRACTOR SHALL DISCUSS OWNER PREFERENCES FOR SCENE OPTIONS AND DIMMING CONTROLS PRIOR TO LIGHTING INSTALLATION.
- 27. TRANSFORMER CAPACITY TO BE DETERMINED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT.
- 28. TRANSFORMERS SHALL BE COMPATIBLE WITH IN-HOUSE CONTROLS. 29. LAMP TYPES SHALL BE AN LED LIGHT SOURCE, UNLESS NOTED OTHERWISE, AND APPROVED BY LANDSCAPE ARCHITECT.
- 30. ALL FIXTURES SHALL BE ON A DIMMER CONTROL MODULE WITH SCENE OPTIONS

31. INDIVIDUAL FIXTURE TYPES SHALL BE ON DEDICATED/SEGREGATED CIRCUITS AND TRANSFORMERS.



1

RTI ,

0

0

54( 4540 NOI

Ш  $\mathbf{\Omega}$ 

 $\Delta$ 

jungles

2964 Aviation Ave., Miami, FL 33133 PH 305.858.6777 www.ravmondiungles.com PROJECT NO.: 21008