

# 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:

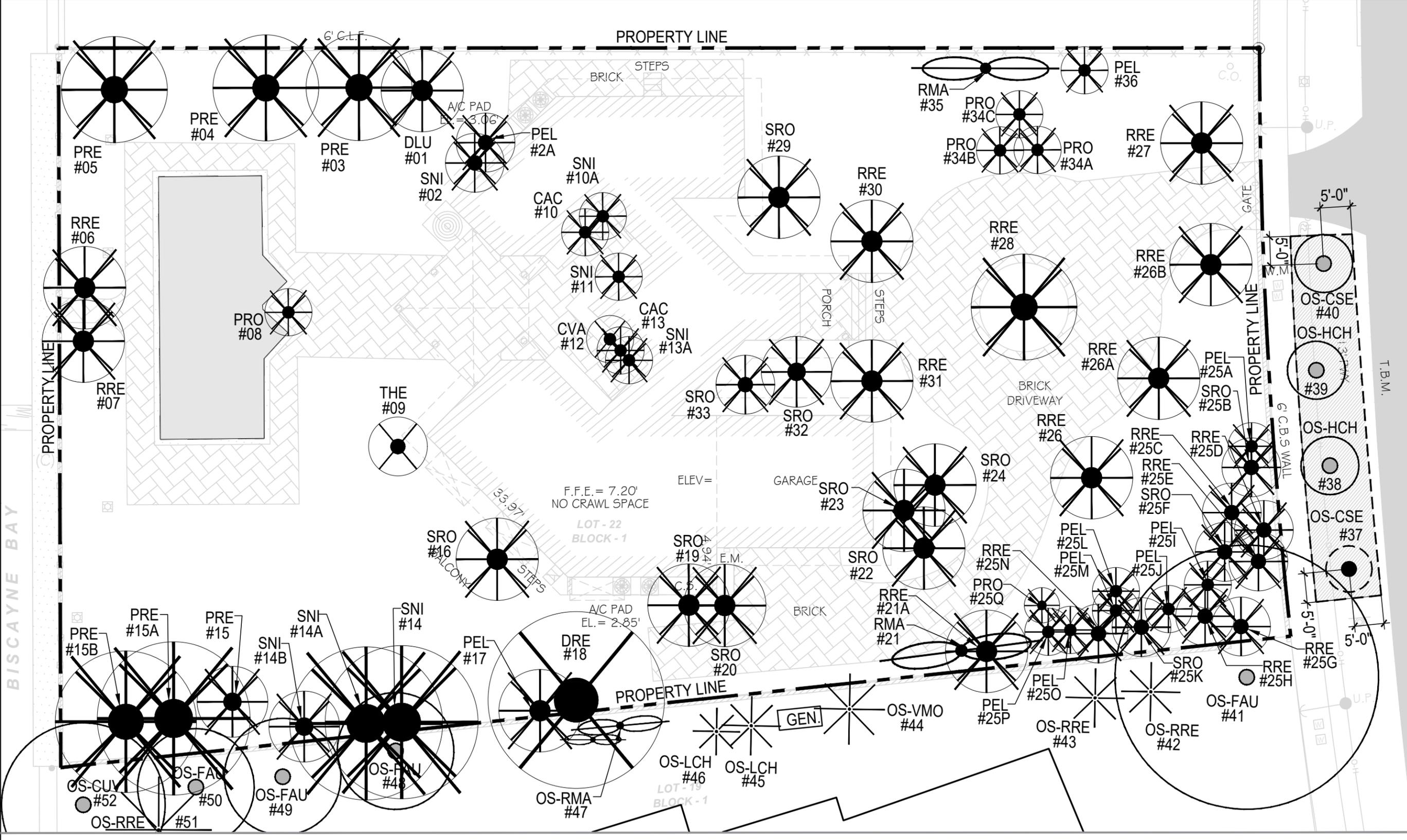
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**LEGEND**

	PROPERTY LINE
	TREE PROTECTION BARRIER
	TREE PROTECTION ZONE

	EXISTING TO REMAIN	EXISTING TO BE RELOCATED	EXISTING TO BE REMOVED	EXISTING OFF-SITE TO REMAIN	EXISTING OFF-SITE TO BE RELOCATED
TREE	N/A	N/A	XXX XXX	OS-XXX XXX	OS-XXX XXX
PALM	N/A	N/A	XXX XXX	OS-XXX XXX	N/A
TRAVELERS TREE	N/A	N/A	XXX XXX	OS-XXX XXX	N/A

**GENERAL NOTES:**

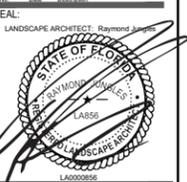
- TREE SURVEY BASED ON ALL AVAILABLE INFORMATION. CONTRACTOR TO REPORT ALL DISCREPANCIES TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION. RAYMOND JUNGLES, INC. (RJI) MAY ASSIST WITH THE TAGGING OF ALL TREES IN THE FIELD.
- ALL TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF 60 DAYS PRIOR TO THEIR RELOCATION AND SHOULD BE SETUP ON A CONTROLLED IRRIGATION SYSTEM DURING THIS TIME. RJI WILL ALSO OVERSEE ANY RECOMMENDATIONS FOR FURTHER MODIFICATIONS TO ANY EXISTING MATERIAL.
- ALL PITS TO BE FILLED THE SAME DAY OF REMOVAL OF TREES. RESTORE SURFACE WITH SOD OR MULCH TO MATCH EXISTING CONDITIONS.
- CONTRACTOR SHALL VERIFY ALL EXISTING ABOVE AND UNDERGROUND UTILITIES 48 HOURS PRIOR TO ANY ON SITE EXCAVATION.
- REVIEW ADDITIONAL NOTES AND DETAILS ON SHEET L-102 FOR RELOCATED MATERIAL.
- SEE SHEET L-101 FOR TREE DISPOSITION SCHEDULE.
- REFER TO LANDSCAPE PLANS FOR FINAL LOCATION OF RELOCATED TREES.
- ALL WORK AND/OR IMPROVEMENTS WITHIN THE RIGHT-OF-WAY, INCLUDING LANDSCAPING AND IRRIGATION, REQUIRES A SEPARATE CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENT RIGHT-OF-WAY CONSTRUCTION PERMIT.



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

REVISIONS:

No.	Date	Description



SHEET TITLE:  
**TREE DISPOSITION PLAN**

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

SHEET NUMBER:  
**L-100**

4540 NORTH BAY ROAD GARDEN

TREE DISPOSITION SCHEDULE

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

Existing Trees and Palms

Iden.	Symbol	Scientific Name	Common Name	D.B.H. (inch)	O.A. Height (feet)	Canopy Diameter (feet)	Condition	TPZ	Notes	Disposition	Mitigation Credits Required
#1	DLU	<i>Dyopsis lutescens</i>	Areca Palm	42	30	20	Moderate	4'	Clustering palm; mitigation not required	Remove	N/A
#2	SNI	<i>Streitzia nicotai</i>	White Bird of Paradise	15	22	16	Moderate	4'		Remove	N/A
#2A	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	8	27	16	Good	4'	Double-trunk	Remove	(1) TREE
#3	PRE	<i>Phoenix reclinata</i>	Senegal Date Palm	94	30	30	Good	5'	Clustering palm; mitigation not required (FLEPPC Category II Invasive)	Remove	N/A
#4	PRE	<i>Phoenix reclinata</i>	Senegal Date Palm	98	30	30	Good	5'		Remove	N/A
#5	PRE	<i>Phoenix reclinata</i>	Senegal Date Palm	32	22	26	Good	5'		Remove	N/A
#6	RRE	<i>Roystonea regia</i>	Royal Palm	18	30	20	Good	5'		Remove	(1) TREE
#7	RRE	<i>Roystonea regia</i>	Royal Palm	19	38	26	Good	5'		Remove	(1) TREE
#8	RRO	<i>Phoenix roebelenii</i>	Pygmy Date Palm	5	9	7	Good	3'	Specs do not meet minimum requirements	Remove	N/A
#9	PAM	<i>Persea americana</i>	Avocado Tree	6	23	18	Moderate	6'		Remove	6
#10	CAC	<i>Carpentaria acuminata</i>	Carpentaria Palm	5	24	12	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#10A	SNI	<i>Streitzia nicotai</i>	White Bird of Paradise	7	14	16	Moderate	4'		Remove	N/A
#11	SNI	<i>Streitzia nicotai</i>	White Bird of Paradise	16	10	9	Poor	4'	Clustering palm; mitigation not required	Remove	N/A
#12	CVA	<i>Codiaeum variegatum</i>	Croton	2	17	8	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#13	CAC	<i>Carpentaria acuminata</i>	Carpentaria Palm	6	26	14	Good	4'		Remove	(1) TREE
#13A	SNI	<i>Streitzia nicotai</i>	White Bird of Paradise	16	22	14	Poor	4'		Remove	N/A
#14	SNI	<i>Streitzia nicotai</i>	White Bird of Paradise	15	10	24	Poor	4'		Remove	N/A
#14A	SNI	<i>Streitzia nicotai</i>	White Bird of Paradise	26	22	26	Moderate	4'	Clustering palm; mitigation not required	Remove	N/A
#14B	SNI	<i>Streitzia nicotai</i>	White Bird of Paradise	28	18	24	Moderate	4'		Remove	N/A
#15	PRE	<i>Phoenix reclinata</i>	Senegal Date Palm	5	30	12	Moderate	5'	Specs do not meet minimum requirements	Remove	N/A
#15A	PRE	<i>Phoenix reclinata</i>	Senegal Date Palm	50	28	26	Moderate	5'	Clustering palm; mitigation not required	Remove	N/A
#15B	PRE	<i>Phoenix reclinata</i>	Senegal Date Palm	48	28	24	Good	5'		Remove	N/A
#16	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	10	24	18	Moderate	4'		Remove	(1) TREE
#17	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	4	13	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#18	DRE	<i>Delonix regia</i>	Royal Poinciana	21	55	55	Moderate	18'		Remove	21
#19	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	7	28	24	Moderate	4'		Remove	(1) TREE
#20	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	8	22	26	Moderate	4'		Remove	(1) TREE
#21	RMA	<i>Ravenala madagascariensis</i>	Traveler's Tree	82	27	28	Good	5'	Clustering palm; mitigation not required	Remove	N/A
#21A	RRE	<i>Roystonea regia</i>	Royal Palm	14	40	32	Good	5'		Remove	(1) TREE
#22	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	10	20	30	Moderate	4'		Remove	(1) TREE
#23	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	10	23	10	Moderate	4'		Remove	(1) TREE
#24	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	10	26	28	Moderate	4'		Remove	(1) TREE
#25A	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	4	30	12	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25B	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	10	30	28	Poor	4'		Remove	(1) TREE
#25C	RRE	<i>Roystonea regia</i>	Royal Palm	14	35	32	Good	5'		Remove	(1) TREE
#25D	RRE	<i>Roystonea regia</i>	Royal Palm	9	30	26	Moderate	5'		Remove	(1) TREE
#25E	RRE	<i>Roystonea regia</i>	Royal Palm	10	20	26	Good	5'		Remove	(1) TREE
#25F	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	11	28	24	Poor	4'		Remove	(1) TREE
#25G	RRE	<i>Roystonea regia</i>	Royal Palm	11	30	30	Good	5'		Remove	(1) TREE
#25H	RRE	<i>Roystonea regia</i>	Royal Palm	8	15	20	Good	5'		Remove	(1) TREE
#25I	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	4	35	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25J	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	3	30	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25K	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	10	22	15	Poor	4'		Remove	(1) TREE
#25L	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	7	30	24	Good	4'	Two trunks	Remove	(1) TREE
#25M	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	4	30	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25N	RRE	<i>Roystonea regia</i>	Royal Palm	10	12	30	Good	5'	Specs do not meet minimum requirements	Remove	N/A
#25O	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	4	30	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25P	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	4	30	14	Good	4'	Specs do not meet minimum requirements	Remove	N/A
#25Q	PRO	<i>Phoenix roebelenii</i>	Pygmy Date Palm	4	11	8	Good	3'	Specs do not meet minimum requirements	Remove	N/A
#26	RRE	<i>Roystonea regia</i>	Royal Palm	19	30	28	Good	5'		Remove	(1) TREE
#26A	RRE	<i>Roystonea regia</i>	Royal Palm	18	35	0	Dead	0		Remove	N/A
#26B	RRE	<i>Roystonea regia</i>	Royal Palm	20	35	0	Dead	0		Remove	N/A
#27	RRE	<i>Roystonea regia</i>	Royal Palm	22	30	28	Good	5'		Remove	(1) TREE
#28	RRE	<i>Roystonea regia</i>	Royal Palm	42	35	25	Moderate	5'	Three trunks	Remove	(1) TREE
#29	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	10	25	18	Poor	4'		Remove	(1) TREE
#30	RRE	<i>Roystonea regia</i>	Royal Palm	20	38	30	Moderate	5'		Remove	(1) TREE
#31	RRE	<i>Roystonea regia</i>	Royal Palm	19	35	32	Good	5'		Remove	(1) TREE
#32	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	7	28	18	Moderate	4'		Remove	(1) TREE
#33	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	8	20	18	Poor	4'		Remove	(1) TREE
#34A	RRO	<i>Phoenix roebelenii</i>	Pygmy Date Palm	3	8	6	Moderate	3'	Specs do not meet minimum requirements	Remove	N/A
#34B	RRO	<i>Phoenix roebelenii</i>	Pygmy Date Palm	3	8	6	Moderate	3'	Specs do not meet minimum requirements	Remove	N/A
#34C	PRO	<i>Phoenix roebelenii</i>	Pygmy Date Palm	3	10	8	Moderate	3'	Specs do not meet minimum requirements	Remove	N/A
#35	RMA	<i>Ravenala madagascariensis</i>	Traveler's Tree	0	28	28	Good	5'	Clustering palm; mitigation not required	Remove	N/A
#36	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	3	28	9	Good	4'	Specs do not meet minimum requirements	Remove	N/A
OS-#37	CSE	<i>Cordia sebestena</i>	Orange Geiger Tree	3	14	12	Good	4'		Remain	
OS-#38	HCH	<i>Handroanthus chrysanthus</i>	Yellow Tabebuia	7	22	20	Good	6'		Remain	
OS-#39	HCH	<i>Handroanthus chrysanthus</i>	Yellow Tabebuia	10	25	23	Good	10'		Remain	
OS-#40	CSE	<i>Cordia sebestena</i>	Orange Geiger Tree	5	18	18	Good	5'		Relocate	
OS-#41	FAU	<i>Ficus aurea</i>	Strangler Fig							Remain	
OS-#42	RRE	<i>Roystonea regia</i>	Royal Palm							Remain	
OS-#43	RRE	<i>Roystonea regia</i>	Royal Palm							Remain	
OS-#44	VMO	<i>Veitchia montgomeryana</i>	Montgomery Palm							Remain	
OS-#45	LCH	<i>Livistona chinensis</i>	Chinese Fan Palm							Remain	
OS-#46	LCH	<i>Livistona chinensis</i>	Chinese Fan Palm							Remain	
OS-#47	RMA	<i>Ravenala madagascariensis</i>	Traveler's Tree							Remain	
OS-#48	FAU	<i>Ficus aurea</i>	Strangler Fig Tree							Remain	
OS-#49	FAU	<i>Ficus aurea</i>	Strangler Fig Tree							Remain	
OS-#50	FAU	<i>Ficus aurea</i>	Strangler Fig Tree							Remain	
OS-#51	RRE	<i>Roystonea regia</i>	Royal Palm							Remain	
OS-#52	CUV	<i>Coccoloba uvifera</i>	Seagrape Tree							Remain	
<b>Total Tree D.B.H. Removed Requiring Mitigation (inches)</b>											<b>27</b>
<b>Total Palms Removed Requiring Mitigation</b>											<b>28</b>

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
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EXISTING PALMS

Total # of Existing Palms :	28	To remain:	0	To be relocated:	0	To be removed:	28
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TREE REPLACEMENT CHART

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 16' in height)	OR	Contribution to Tree Trust Fund
2"-3"	1	or	0	or	\$1,000.00
4"-6"	2	or	1	or	\$2,000.00
7"-12"	4	or	2	or	\$4,000.00
13"-18"	6	or	3	or	\$6,000.00
19"-24"	8	or	4	or	\$8,000.00
25"-30"	10	or	5	or	\$10,000.00
31"-36"	12	or	6	or	\$12,000.00
37"-42"	14	or	7	or	\$14,000.00
43"-48"	16	or	8	or	\$16,000.00
49"-60"	20	or	10	or	\$20,000.00

- 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.
- Up to 30 percent of the two-inch DBH replacement tree requirement may be met by planting native species within private property, with a minimum height of ten feet and a minimum DBH of one and one-half inches at time of planting.
- The removal of a palm shall be replaced with one canopy tree at 12 feet overall height with a two-inch DBH.

























**excelsior** MODEL PL-15 12V 35W T4 3W LED PL-15  
Simply Better by Design™

**Model:** PL-15  
**Lamp:** T4 Halogen or LED  
**Maximum Voltage:** 24 Volt, 3-Watt LED  
**Input Voltage:** 12V (transformer required)  
**Material:** Aluminum or Steel - 1 1/4" square  
**Finish:** Stainless Steel  
**Hardware:** Brass, Powder Coat, Tenon Bolts  
**Mounting:** 1/2" x 1/2" (for most applications)  
**Height:** 12" or 24"  
**Beam:** 60° or 30° Flood  
**IP Rating:** IP68  
**Dimensions:** 1 1/4" square base, 20" H x 1 1/4" L

**FEATURES:**  
• High lumen output  
• Available in aluminum or steel  
• Available in 12" or 24" height  
• Available in 60° or 30° beam angle  
• Available in 12V or 24V input voltage  
• Available in 3W or 35W power  
• Available in 60° or 30° beam angle  
• Available in aluminum or steel finish

**PERFORMANCE:**  
Lumen Output: 4000 (3W) / 1000 (35W)  
Beam Angle: 60° / 30°  
Input Voltage: 12V / 24V  
Power: 3W / 35W  
Dimensions: 1 1/4" x 1 1/4" x 12" / 24"

**ORDERING LOGIC:**  
Model: PL-15  
Material: A - Aluminum / S - Steel  
Height: 12 - 12 / 24 - 24  
Beam: BC - Beam / B - Beam  
Finish: FC - Finish  
Power: P - Power  
Mounting: M - Mounting

**ORDERING EXAMPLE:** PL-15-A-12-BC-FC-M

**A PATH LIGHT**  
Scale: N.T.S.

**excelsior** MODEL IN-6L 12V 6W LED MODULE IN-6L  
Simply Better by Design™

**Model:** IN-6L  
**Lamp:** LED Module - 6W, 12V, 1/2" x 1/2"  
**Maximum Voltage:** 12V (transformer required)  
**Input Voltage:** 12V (transformer required)  
**Material:** 2 1/2" x 2 1/2" x 1/2" (transformer required)  
**Finish:** Stainless Steel  
**Hardware:** Brass, Powder Coat, Tenon Bolts  
**Mounting:** 1/2" x 1/2" (for most applications)  
**Height:** 12" or 24"  
**Beam:** 60° or 30° Flood  
**IP Rating:** IP68  
**Dimensions:** 2 1/2" x 2 1/2" x 1/2"

**FEATURES:**  
• High lumen output  
• Available in aluminum or steel  
• Available in 12" or 24" height  
• Available in 60° or 30° beam angle  
• Available in 12V or 24V input voltage  
• Available in 6W or 12W power  
• Available in 60° or 30° beam angle  
• Available in aluminum or steel finish

**PERFORMANCE:**  
Lumen Output: 4000 (6W) / 1000 (12W)  
Beam Angle: 60° / 30°  
Input Voltage: 12V  
Power: 6W / 12W  
Dimensions: 2 1/2" x 2 1/2" x 1/2"

**ORDERING LOGIC:**  
Model: IN-6L  
Material: A - Aluminum / S - Steel  
Height: 12 - 12 / 24 - 24  
Beam: BC - Beam / B - Beam  
Finish: FC - Finish  
Power: P - Power  
Mounting: M - Mounting

**ORDERING EXAMPLE:** IN-6L-A-12-BC-FC-M

**C IN-GROUND UP LIGHT**  
Scale: N.T.S.

**excelsior** MODEL FA-1 12V 50W MR16 8W LED FA-1  
Simply Better by Design™

**Model:** FA-1  
**Lamp:** MR16 Halogen or LED  
**Maximum Voltage:** 24 Volt, 8-Watt LED  
**Input Voltage:** 12V (transformer required)  
**Material:** Aluminum or Steel  
**Finish:** Stainless Steel  
**Hardware:** Brass, Powder Coat, Tenon Bolts  
**Mounting:** 1/2" x 1/2" (for most applications)  
**Height:** 12" or 24"  
**Beam:** 60° or 30° Flood  
**IP Rating:** IP68  
**Dimensions:** 1 1/4" x 1 1/4" x 12" / 24"

**FEATURES:**  
• High lumen output  
• Available in aluminum or steel  
• Available in 12" or 24" height  
• Available in 60° or 30° beam angle  
• Available in 12V or 24V input voltage  
• Available in 50W or 8W power  
• Available in 60° or 30° beam angle  
• Available in aluminum or steel finish

**PERFORMANCE:**  
Lumen Output: 4000 (8W) / 1000 (50W)  
Beam Angle: 60° / 30°  
Input Voltage: 12V / 24V  
Power: 50W / 8W  
Dimensions: 1 1/4" x 1 1/4" x 12" / 24"

**ORDERING LOGIC:**  
Model: FA-1  
Material: A - Aluminum / S - Steel  
Height: 12 - 12 / 24 - 24  
Beam: BC - Beam / B - Beam  
Finish: FC - Finish  
Power: P - Power  
Mounting: M - Mounting

**ORDERING EXAMPLE:** FA-1-A-12-BC-FC-M

**D WALL WASH UP LIGHT**  
Scale: N.T.S.

**excelsior** MODEL PL-15 12V 35W T4 3W LED PL-15  
Simply Better by Design™

**Model:** PL-15  
**Lamp:** T4 Halogen or LED  
**Maximum Voltage:** 24 Volt, 3-Watt LED  
**Input Voltage:** 12V (transformer required)  
**Material:** Aluminum or Steel - 1 1/4" square  
**Finish:** Stainless Steel  
**Hardware:** Brass, Powder Coat, Tenon Bolts  
**Mounting:** 1/2" x 1/2" (for most applications)  
**Height:** 12" or 24"  
**Beam:** 60° or 30° Flood  
**IP Rating:** IP68  
**Dimensions:** 1 1/4" square base, 20" H x 1 1/4" L

**FEATURES:**  
• High lumen output  
• Available in aluminum or steel  
• Available in 12" or 24" height  
• Available in 60° or 30° beam angle  
• Available in 12V or 24V input voltage  
• Available in 3W or 35W power  
• Available in 60° or 30° beam angle  
• Available in aluminum or steel finish

**PERFORMANCE:**  
Lumen Output: 4000 (3W) / 1000 (35W)  
Beam Angle: 60° / 30°  
Input Voltage: 12V / 24V  
Power: 3W / 35W  
Dimensions: 1 1/4" x 1 1/4" x 12" / 24"

**ORDERING LOGIC:**  
Model: PL-15  
Material: A - Aluminum / S - Steel  
Height: 12 - 12 / 24 - 24  
Beam: BC - Beam / B - Beam  
Finish: FC - Finish  
Power: P - Power  
Mounting: M - Mounting

**ORDERING EXAMPLE:** PL-15-A-12-BC-FC-M

**E POOL LIGHT**  
Scale: N.T.S.

**excelsior** MODEL MT-14 12V 14W LED 12V 14W LED MT-14  
Simply Better by Design™

**Model:** MT-14  
**Lamp:** LED Module - 14W, 12V, 1 1/2" x 1 1/2"  
**Maximum Voltage:** 12V (transformer required)  
**Input Voltage:** 12V (transformer required)  
**Material:** 2 1/2" x 2 1/2" x 1/2" (transformer required)  
**Finish:** Stainless Steel  
**Hardware:** Brass, Powder Coat, Tenon Bolts  
**Mounting:** 1/2" x 1/2" (for most applications)  
**Height:** 12" or 24"  
**Beam:** 60° or 30° Flood  
**IP Rating:** IP68  
**Dimensions:** 2 1/2" x 2 1/2" x 1/2"

**FEATURES:**  
• High lumen output  
• Available in aluminum or steel  
• Available in 12" or 24" height  
• Available in 60° or 30° beam angle  
• Available in 12V or 24V input voltage  
• Available in 14W or 28W power  
• Available in 60° or 30° beam angle  
• Available in aluminum or steel finish

**PERFORMANCE:**  
Lumen Output: 4000 (14W) / 1000 (28W)  
Beam Angle: 60° / 30°  
Input Voltage: 12V  
Power: 14W / 28W  
Dimensions: 2 1/2" x 2 1/2" x 1/2"

**ORDERING LOGIC:**  
Model: MT-14  
Material: A - Aluminum / S - Steel  
Height: 12 - 12 / 24 - 24  
Beam: BC - Beam / B - Beam  
Finish: FC - Finish  
Power: P - Power  
Mounting: M - Mounting

**ORDERING EXAMPLE:** MT-14-A-12-BC-FC-M

**F TREE MOUNTED DOWN LIGHT**  
Scale: N.T.S.

**excelsior** MODEL MT-14 12V 14W LED 12V 14W LED MT-14  
Simply Better by Design™

**Model:** MT-14  
**Lamp:** LED Module - 14W, 12V, 1 1/2" x 1 1/2"  
**Maximum Voltage:** 12V (transformer required)  
**Input Voltage:** 12V (transformer required)  
**Material:** 2 1/2" x 2 1/2" x 1/2" (transformer required)  
**Finish:** Stainless Steel  
**Hardware:** Brass, Powder Coat, Tenon Bolts  
**Mounting:** 1/2" x 1/2" (for most applications)  
**Height:** 12" or 24"  
**Beam:** 60° or 30° Flood  
**IP Rating:** IP68  
**Dimensions:** 2 1/2" x 2 1/2" x 1/2"

**FEATURES:**  
• High lumen output  
• Available in aluminum or steel  
• Available in 12" or 24" height  
• Available in 60° or 30° beam angle  
• Available in 12V or 24V input voltage  
• Available in 14W or 28W power  
• Available in 60° or 30° beam angle  
• Available in aluminum or steel finish

**PERFORMANCE:**  
Lumen Output: 4000 (14W) / 1000 (28W)  
Beam Angle: 60° / 30°  
Input Voltage: 12V  
Power: 14W / 28W  
Dimensions: 2 1/2" x 2 1/2" x 1/2"

**ORDERING LOGIC:**  
Model: MT-14  
Material: A - Aluminum / S - Steel  
Height: 12 - 12 / 24 - 24  
Beam: BC - Beam / B - Beam  
Finish: FC - Finish  
Power: P - Power  
Mounting: M - Mounting

**ORDERING EXAMPLE:** MT-14-A-12-BC-FC-M

**G WATER FEATURE UPLIGHT**  
Scale: N.T.S.

**excelsior** MODEL MT-14 12V 14W LED 12V 14W LED MT-14  
Simply Better by Design™

**Model:** MT-14  
**Lamp:** LED Module - 14W, 12V, 1 1/2" x 1 1/2"  
**Maximum Voltage:** 12V (transformer required)  
**Input Voltage:** 12V (transformer required)  
**Material:** 2 1/2" x 2 1/2" x 1/2" (transformer required)  
**Finish:** Stainless Steel  
**Hardware:** Brass, Powder Coat, Tenon Bolts  
**Mounting:** 1/2" x 1/2" (for most applications)  
**Height:** 12" or 24"  
**Beam:** 60° or 30° Flood  
**IP Rating:** IP68  
**Dimensions:** 2 1/2" x 2 1/2" x 1/2"

**FEATURES:**  
• High lumen output  
• Available in aluminum or steel  
• Available in 12" or 24" height  
• Available in 60° or 30° beam angle  
• Available in 12V or 24V input voltage  
• Available in 14W or 28W power  
• Available in 60° or 30° beam angle  
• Available in aluminum or steel finish

**PERFORMANCE:**  
Lumen Output: 4000 (14W) / 1000 (28W)  
Beam Angle: 60° / 30°  
Input Voltage: 12V  
Power: 14W / 28W  
Dimensions: 2 1/2" x 2 1/2" x 1/2"

**ORDERING LOGIC:**  
Model: MT-14  
Material: A - Aluminum / S - Steel  
Height: 12 - 12 / 24 - 24  
Beam: BC - Beam / B - Beam  
Finish: FC - Finish  
Power: P - Power  
Mounting: M - Mounting

**ORDERING EXAMPLE:** MT-14-A-12-BC-FC-M

**H WATER FEATURE LIGHT**  
Scale: N.T.S.

**PENTAIR MICROBRITE**  
COLOR AND WHITE LED LIGHT

The Most Compact, Brilliant Pool and Spa Wall Fitting LED Light Available.

MicroBrite™ Color and White LED Light is the most compact, brilliant pool and spa wall fitting LED light available. It features a compact, brilliant LED light source that fits into a 1/2" x 1/2" hole in a wall. The light is made of clear, tempered glass with a UV-resistant, corrosion-resistant epoxy coating and is protected by a 1/2" x 1/2" x 1/2" stainless steel cap. Each fixture is tested with a 100% UV test bulb.

**KEY FEATURES:**  
• Brilliant LED technology in a small package.  
• Premium LED technology in a compact design.  
• High lumen output.  
• Available in aluminum or steel.  
• Available in 12" or 24" height.  
• Available in 60° or 30° beam angle.  
• Available in 12V or 24V input voltage.  
• Available in 14W or 28W power.  
• Available in 60° or 30° beam angle.  
• Available in aluminum or steel finish.

**ORDERING LOGIC:**  
Model: MT-14  
Material: A - Aluminum / S - Steel  
Height: 12 - 12 / 24 - 24  
Beam: BC - Beam / B - Beam  
Finish: FC - Finish  
Power: P - Power  
Mounting: M - Mounting

**ORDERING EXAMPLE:** MT-14-A-12-BC-FC-M

**I RECESSED STEP LIGHT**  
Scale: N.T.S.

**TRULUX** LUMINOUS SYSTEMS™ STEP LIGHT RECESSED

TRULUX™ Submersible - 24V

Submersible Trulux is available in 3000K and 4000K white versions. Our TRULUX Submersible Step Light is the most compact, brilliant pool and spa wall fitting LED light available. It features a compact, brilliant LED light source that fits into a 1/2" x 1/2" hole in a wall. The light is made of clear, tempered glass with a UV-resistant, corrosion-resistant epoxy coating and is protected by a 1/2" x 1/2" x 1/2" stainless steel cap. Each fixture is tested with a 100% UV test bulb.

**KEY FEATURES:**  
• Brilliant LED technology in a small package.  
• Premium LED technology in a compact design.  
• High lumen output.  
• Available in aluminum or steel.  
• Available in 12" or 24" height.  
• Available in 60° or 30° beam angle.  
• Available in 12V or 24V input voltage.  
• Available in 14W or 28W power.  
• Available in 60° or 30° beam angle.  
• Available in aluminum or steel finish.

**ORDERING LOGIC:**  
Model: MT-14  
Material: A - Aluminum / S - Steel  
Height: 12 - 12 / 24 - 24  
Beam: BC - Beam / B - Beam  
Finish: FC - Finish  
Power: P - Power  
Mounting: M - Mounting

**ORDERING EXAMPLE:** MT-14-A-12-BC-FC-M

**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.
- 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.
- CONTRACTOR SHOULD VERIFY ALL ESTIMATED QUANTITIES OF MATERIAL SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO SUBMITTING A BID.
- 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.
- 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.
- 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.
- 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.
- 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 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.
- CONTRACTOR SHALL HAVE LIGHTING INSTALLATION PERMITTED AND

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