12" DEEPROOT TREE BARRIER

LB 12-2 Specifications
12" DeepRoot Tree Root Barriers

Specified tree root barriers are a mechanical barrier and root deflector to prevent tree roots from damaging hardscapes and landscapes. Preassembled with flexible joiner strips in 80' lengths for linear applications directly beside a hardscape adjacent to the trees. Each preassembled section can be separated or reconfigured in any 2' module.

A. Materials
1. The contractor shall furnish and install tree root barriers as specified. The tree root barriers shall be product # LB 12-2 as specified on the Drawings as manufactured by Deep Root Partners, L.P., 81 Langton St. #4, San Francisco, CA (800-458-7668), or approved equal. The barrier shall be Black, Injection Molded Panels, of 0.080" (2.03mm) wall thickness in modules 24" (61cm) long by 12" (30.48cm) deep; manufactured with a minimum 50% post consumer recycled polypropylene plastic with added ultraviolet inhibitors; recyclable. Each panel shall have:

Not less than 4 Molded Integral Vertical Root Deflecting Ribs of a minimum 0.06" (1.52mm) thickness protruding 1/2" (12.7mm) at 90° from the interior of the panel, spaced 6" (15cm) apart. (See panel drawing below)

A Double Top Edge consisting of two parallel, integral, horizontal ribs at the top of the panel of a minimum 0.06" (1.52mm) thickness, 3/8"(9.53mm) wide and 1/4"(6.35mm) apart with the lower rib attached to the vertical root deflecting ribs. (See Detail "A")

Not less than 3 Anti-Lift Ground Lock Tabs consisting of integral horizontal ridges of a minimum 0.06"(1.52mm) thickness in the shape of a segment of a circle, the 2 1/4" (57mm) chord of the segment joining the panel wall and the segment, protruding 3/8" (9.53mm) from the panel. The minimum of 3 ground locks on each panel shall be about equally spaced between each of the vertical root deflecting ribs (1 between each set of ribs, see Detail "B").

A Preassembled Self Locking Flexible (0°-180°) Joiner Strip to connect one panel to the next. (See Detail "C")

2. The basic properties of the material shall be:

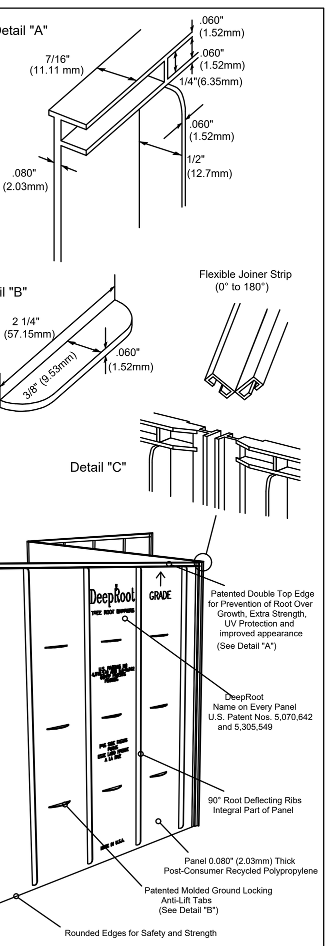
Test	ASTM Test Method	Value Copolymer Polypropylene
Tensile stress @ yield	D638	3800 PSI
Elongation @ yield	D638	6.3%
Flexural Modulus	D790B	155,000 PSI
Notched Izod Impact	D256A	7.1
Rockwell Hardness r. scale	D785A	68

U.S. Patents: 5,070,642 and 5,305,549.

B. Construction and Installation
1. The contractor shall install the tree root barriers in the length and in the manner shown on the Drawings. The vertical root deflecting ribs shall be facing inwards to the root ball and the top of the double top edge shall be 1/2" (13mm) above grade. Each of the required number of panels shall be connected with the flexible joiner strips to the required length for the linear application.

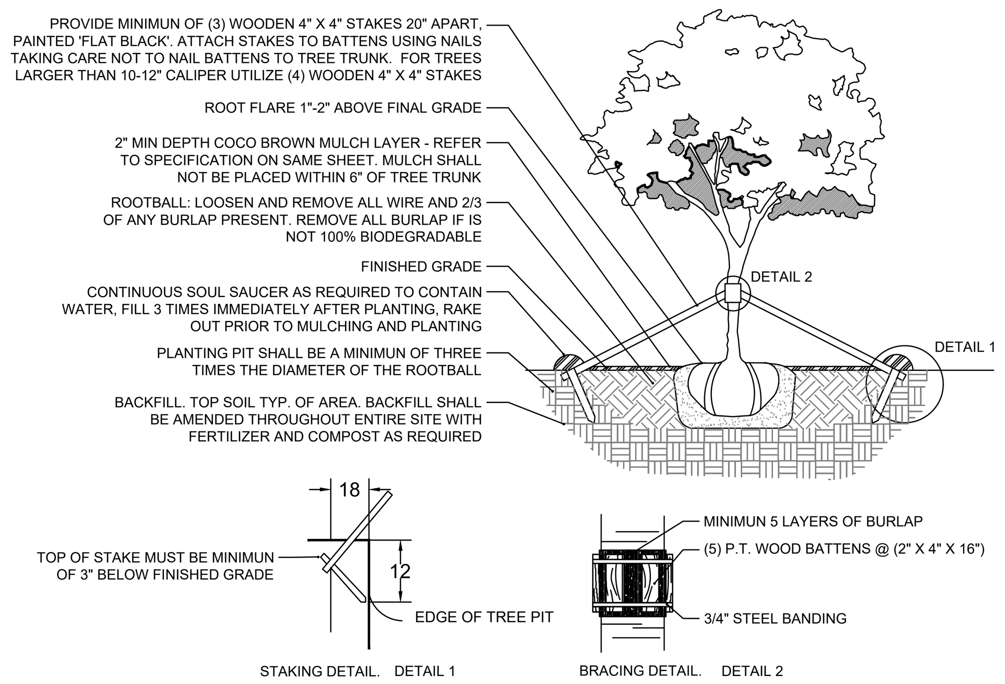
2. Excavation and soil preparation shall conform to the Drawings

Caution: LB 12-2 should never be used in a Surround Style planting application.



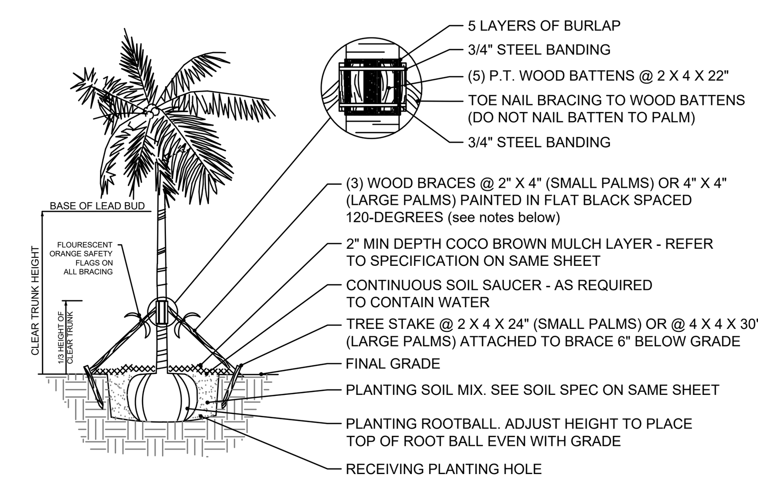
12" DEEPROOT TREE BARRIER

N.T.S.



1 LARGE TREE PLANTING DETAIL

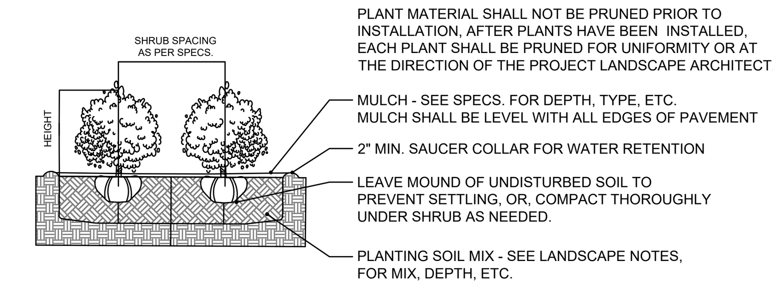
3/16" = 1'-0" CD-PL-01



NOTES:
1. PALMS OVER 30' GW HEIGHT, USE MINIMUN (4) 4X4 BRACING AND STAKES
2. PRIMARY STAKES SHOULD PLACED PARALLEL TO WALKWAYS WHENEVER POSSIBLE
3. RECEIVING PLANTING HOLE SHALL BE APPROXIMATELY 1/3 LARGER THAN ROOTBALL
4. BUD SHALL BE PERPENDICULAR TO THE GROUND PLANE
5. TRUNK SHALL BE STRAIGHT AND WITHOUT CURVES
6. NO SCARRED OR BLACKENED TRUNKS
7. AMENDED SOIL MIX TO BE ADDED AT THE TIME OF PLANTING NEEDED, SHALL CONSIST OF A RATIO MIX OF 80% CLEAN SILICA SAND AND 20% SCREENED PULVERIZED TOPSOIL AS NEEDED

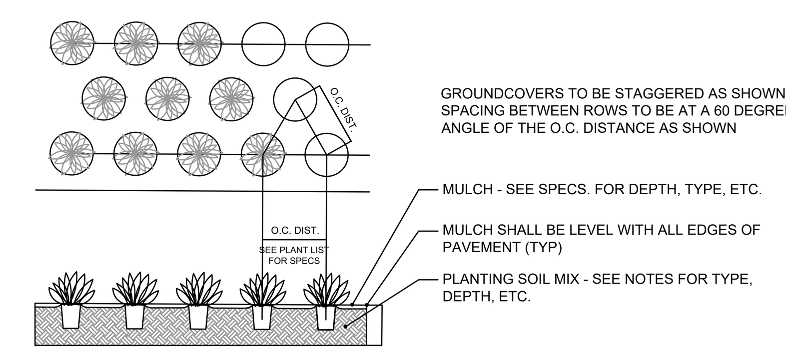
2 PALM PLANTING DETAIL

3/16" = 1'-0" CD-PL-05



3 SHRUB PLANTING DETAIL

3/8" = 1'-0" CD-PL-07



4 GROUNDCOVER PLANTING DETAIL

3/8" = 1'-0" CD-PL-08

PLANT SCHEDULE ORIENATION

SYMBOL	CODE	QTY	COMMON NAME	BOTANICAL NAME	NATIVE	SPECIFICATIONS
TREES						
	BA	1	VERAWOOD	BULNESIA ARBOREA	NO	300 GAL, 18\` - 20\` HT, 10\` SP, 6" DBH, EQUAL TO TREEWORLD
	CG	1	BRIDAL VEIL	CAESALPINIA GRANADILLO	NO	200 GAL, 16\` HT MIN, 8-10\` SP, 5-6" DBH MIN
	CR	2	AUTOGRAPH	CLUSIA ROSEA	YES	SPECIMEN TO BE SELECTED, 20-24\` HT MIN, SCULPTURAL MULTI-TRUNK
	CD	4	PIGEON PLUM	COCCOLOBA DIVERSIFOLIA	YES	16\` HT, 8\` SP, 4" DBH, STANDARD
	EF	15	SPANISH STOPPER	EUGENIA FOETIDA	YES	100 GAL, 14-16\` HT, 8\` SP, 4-6" DBH, STANDARD, EQUAL TO TREEWORLD WHOLESALE
	PR	6	BAY RUM	PIMENTA RACEMOSA	NO	14-16\` HT MIN, 6-8\` SP MIN, 4" DBH, 4\` CT, STANDARD
PALMS						
	CN	7	COCONUT PALM	COCOS NUCIFERA 'GREEN MALAYAN'	NO	12\` - 16\` GW, SLIGHT CURVE, CETIFIED, FLORIDA FANCY
	DA	4	HURRICANE PALM	DICTYOSPERMA ALBUM CONJUGATUM	NO	16-18\` HT OA, 8-10\` GW, 12-14\` CT, FLORIDA FANCY
	RX	86	LADY PALM	RHAPIS EXCELSA	NO	7 G, 3-4\` HT, 3\` SP, 30" ON CENTER, FULL
	SP	25	SABAL PALMETTO	SABAL PALMETTO	YES	18-28\` CT, CHARACTER LEANING, SLICK, FLORIDA FANCY, REFER TO PLAN FOR CLEAR TRUNK HEIGHT
	TR	19	FLORIDA THATCH PALM	THRINAX RADIATA	YES	7 GAL, 3-4\` HT, FLORIDA FANCY
SHRUBS						
	CLG	94	SMALL LEAF CLUSIA	CLUSIA GUTTIFERA	NO	7 GAL, 3-4\` HT, 3\` SP, FULL, SHADE GROWN
ACCENTS						
	HEL	17	HELICONIA	HELICONIA SPP.	NO	7 GAL, 5\` HT, FULL TO BASE, SHADE GROWN

CONCEPT PLANT SCHEDULE

GROUNDCOVER	7,339 SF
ALOCASIA ODORA / ELEPHANT EAR	1,907
CARISSA MACROCARPA 'EMERALD BLANKET' / DWARF CARISSA	7,628
LIRIOPE MUSCARI 'BIG BLUE' / LILYTURF 'BIG BLUE'	7,628
MICROSORUM SCOLOPENDRIA / WART FERN	7,628
MONSTERA DELICIOSA / SWISS CHEESE PLANT	1,907
PHILODENDRON X 'BURLE MARX' / BURLE MARX	3,391
TRIPSACUM FLORIDANUM / FAKAHATCHEE GRASS	1,907
ZAMIA PUMILA / COONTIE	7,628

LANDSCAPE LEGEND

MIAMI BEACH LANDSCAPE ORDINANCE CHAPTER 126 (RM-1: LOW INTENSITY MULTI FAMILY RESIDENTIAL)

ZONING: RM-1 LOT SIZE: 101,500 SF ACRES: 2.33

MINIMUM STANDARDS	REQUIRED	PROVIDED
TREES		
TOTAL OF 28 TREES PER ACRE OF NET LOT AREA.	TOTAL LOT AREA: 101,500 SF OR 2.33 ACRES = **56 TREES REQ**	**64 TOTAL TREES PROVIDED** 33 EXISTING + 28 PROPOSED
MIN 30% OF REQUIRED TREES SHALL BE NATIVE SPECIES	30% x 56 = **16 TREES OF NATIVE SPECIES**	**21 TOTAL NATIVE TREES PROVIDED**
MIN 50% OF REQUIRED TREES SHALL BE LOW MAINTENANCE AND DROUGHT TOLERANT SPECIES	50% x 56 = **28 TREES OF LOW MAINTENANCE AND DROUGHT TOLERANT SPECIES**	**28 TOTAL LOW MAINTENANCE TREES PROVIDED**
DIVERSITY OF 31 + TOTAL TREES REQUIRED : 6TREE SPECIES	6 TREE SPECIES	**6 TREE SPECIES PROVIDED**
STREET TREES		
AVERAGE STREET TREE SPACING 20' ON CENTER	183.6 LINEAR FEET / 20 = **9 STREET TREES REQ**	**9 STREET TREES EXISTING / PROVIDED**
SHRUBS		
12 SHRUBS PER THE NUMBER OF REQUIRED LOT AND STREET TREES	12 x (56 LOT TREES + 9 STREET TREES) = **780 TOTAL SHRUBS REQUIRED**	**780 TOTAL SHRUBS PROVIDED**
MIN 50% OF REQUIRED SHRUBS SHALL BE NATIVE SPECIES	50% x 780 = **390 SHRUBS OF NATIVE SPECIES**	**390 TOTAL NATIVE SHRUBS PROVIDED**
MIN 10% OF REQUIRED SHRUBS SHALL BE LARGE SHRUBS or SMALL TREES	10% x 780 = **78 TOTAL LARGE SHRUBS**	**78 TOTAL LARGE SHRUBS PROVIDED**
MIN 50% OF REQUIRED LARGE SHRUBS SHALL BE NATIVE SPECIES	50% x 78 = **39 LARGE SHRUBS OF NATIVE SPECIES**	**39 TOTAL NATIVE LARGE SHRUBS**
LAWN		
LAWN SHALL BE MAXIMUM OF 30 % OF REQUIRED LANDSCAPE AREA	LAWN AREAS ARE LESS THAN 50% OF LANDSCAPE AREA	
IRRIGATION SYSTEM		
LANDSCAPE SHALL BE WATERED BY A PERMANENT IRRIGATION SYSTEM		100% IRRIGATION COVERAGE PROVIDED

LANDSCAPE NOTES

1. ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER.
2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF, AVOID, AND PROTECT ALL UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES.
3. TREE, PALM, ACCENT AND BED LINES ARE TO BE LOCATED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. ALL PLANTING SOIL SHALL BE 50:50 TOPSOIL: SAND MIX, FREE OF CLAY, STONES, ROCKS, OR OTHER FOREIGN MATTER. THIS SPECIFICATION INCLUDES ALL BACKFILL FOR BERMS AND OTHER LANDSCAPE AREAS.
5. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO BRING ALL GRADES TO WITHIN 2" OF FINAL GRADES. THIS SHALL INCLUDE A 2" APPLICATION OF 50:50 TOPSOIL: SAND MIX FOR ALL LANDSCAPE AND AREAS TO BE SODDED.
6. ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 2" w/ APPROVED NATURAL SHREDDED COCO BROWN MULCH MULCH FREE FROM WEEDS AND PESTS. NO 'NUGGETS', 'CYPRESS MULCH' OR 'RED DYED MULCH' TO BE ACCEPTED. KEEP MULCH 6" AWAY FROM TREE OR PALM TRUNKS AS PER INDUSTRY RECOMMENDATIONS.
7. SOD SHALL BE 'EMPIRE TURF' ZOYSIA GRASS IN ALL LAWN AREAS AS SHOWN ON THE PLANS. SOD SHALL BE STRONGLY ROOTED, FREE FROM WEED, FUNGUS, INSECTS AND DISEASE. CONTRACTOR SHALL SOD ALL AREAS AS INDICATED ON THE PLANS OR AS DIRECTED. PAYMENT SHALL BE DETERMINED BY THE TOTAL MEASURED SODDED AREAS X THE UNIT PRICE SUBMITTED AND FIELD VERIFIED. SOD SHALL CARRY A 5-MONTH WARRANTY.
8. ALL TREES, PALMS, SHRUBS AND GROUNDCOVERS, AND SOD / LAWN SHALL CARRY A ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.
9. IRRIGATION SHALL PROVIDE FOR A 100% COVERAGE WITH 50% OVERLAP MINIMUM AND BE PROVIDED BY A FULLY AUTOMATIC IRRIGATION SYSTEM W/ RAIN MOISTURE SENSOR ATTACHED TO CONTROLLER. ALL FLORIDA BUILDING CODE APPENDIX "F" IRRIGATION REQUIREMENTS SHALL BE STRICTLY ADHERED TO FOR INSTALLATION AND PREVAILING WATER MANAGEMENT DISTRICT RESTRICTIONS AND REGULATIONS SHALL BE IN COMPLIANCE FOR POST-INSTALLATION WATERING SCHEDULES.

Rev.	Date	Rev.	Date
DRB SUBMITTAL	08.04.24		

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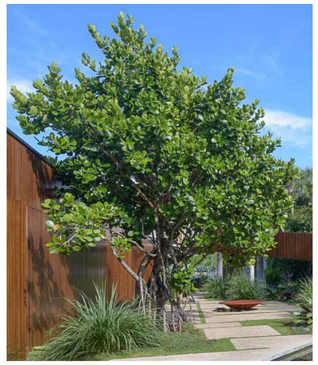
PLANT LIST, CODE + DETAILS

		Sheet No.
Date:	07.31.2024	L2.00
Scale:		
Project:	THE STANDARD	

PLANT MATERIALS



CR | AUTOGRAPH TREE
Clusia rosea

PR | BAY RUM TREE
Pimenta racemosa

EF | SPANISH STOPPER
Eugenia foetida

BA | VERAWOOD
Bulnesia arborea

CD | PIGEON PLUM
Coccoloba diversifolia

SP | SABAL PALM
Sabal palmetto

CN | COCONUT PALM
Cocos nucifera

TR | THATCH PALM
Thrinax radiata

PE | ALEXANDER PALMS
Ptychosperma elegans

CG | BRIDAL VEIL
Caesalpinia granadillo

DC | CABADA PALM
Dypsis cabadae

SL | SATAKENTIA PALM
Satakentia liukiuensis

HEL | HELICONIA
Heliconia spp.

DA | HURRICANE PALM
Dictyosperma album

PU | SCREWPINE
Pandanus utilis

PLANT MATERIAL IMAGES

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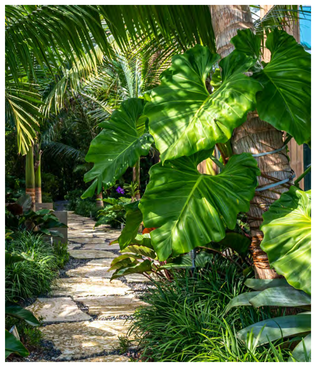
Project:	THE STANDARD	

PLANT MATERIALS

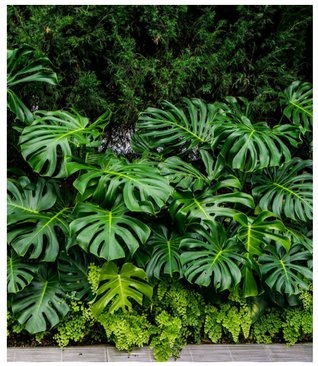
SER | SILVER SAW PALMETTO
Serenoa repens

RX | LADY PALM
Rhapis excelsa

DIS | MEXICAN CYCAD
Dioon spp.



PHW | PHILODENDRON 'WILSONII'
Philodendron 'Wilsonii'

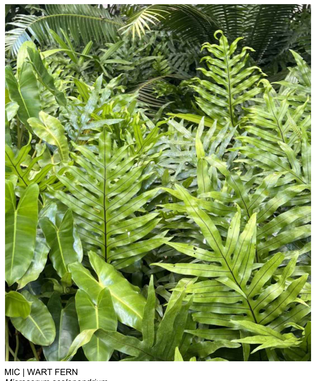


MOD | SWISS CHEESE PLANT
Monstera deliciosa

ZAP | COONTIE
Zamia pumila

TRF | DWARF FAKAHATCHEE
Tripsacum floridana

PRC | PHILODENDRON 'ROJO CONGO'
Philodendron 'Rojo Congo'



MIC | WART FERN
Microsorum scolopendrium

LIR | LIRIOPE
Liriope muscari 'Big Blue'

CAM | NATAL PLUM
Carissa macrocarpa

ERL | GOLDEN BEACH CREEPER
Ernodea littoralis

IPP | RAILROAD VINE
Ipomoea pes-caprae

XAN | PHILODENDRON XANADU
Philodendron 'Xanadu'

GLG | SMALL LEAF CLUSIA
Clusia guttifera

PLANT MATERIAL IMAGES

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01 HOTEL ENTRANCE + ROW LANDSCAPE AREA

02 CENTRAL GARDEN ENTRY + EXISTING WASHINGTON PALMS

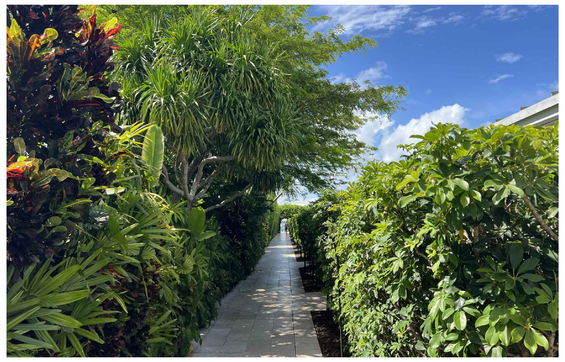
KEY PLAN LEGEND

EXISTING CONDITION PERSPECTIVE VIEWS

03 EXISTING SPECIMEN SEAGRAPE TREE

04 EXISTING WASHINGTON PALMS + SPECIMEN SEAGRAPE TREE

05 PROPOSED LOCATION OF RELOCATED SEAGRAPE TREE



06 CENTRAL GARDEN | EAST WING CORRIDOR

EXISTING CONDITIONS IMAGES

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Address	
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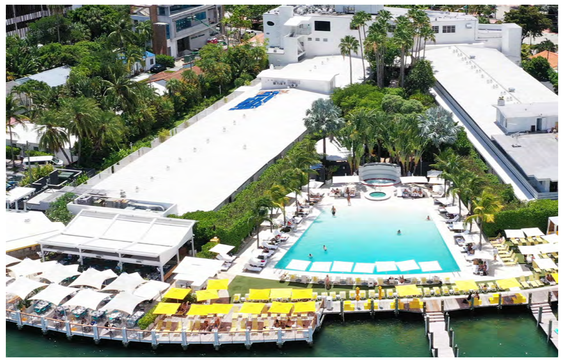
KOBI KARP

Date:	07.31.2024	Sheet No.
Scale:		L4.00
Project:	THE STANDARD	

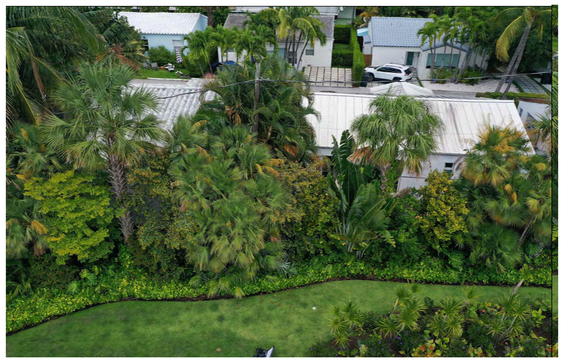


07 AERIAL POOL GARDEN

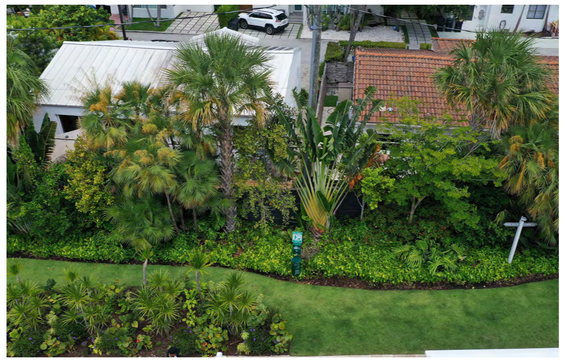
08 EXISTING LANDSCAPE BUFFER ALONG EAST PROPERTY LINE

KEY PLAN LEGEND

EXISTING CONDITION PERSPECTIVE VIEWS



09 EXISTING LANDSCAPE BUFFER ALONG EAST PROPERTY LINE



10 EXISTING LANDSCAPE BUFFER ALONG EAST PROPERTY LINE

11 EXISTING LANDSCAPE BUFFER ALONG EAST PROPERTY LINE

12 EXISTING LANDSCAPE BUFFER ALONG EAST PROPERTY LINE

EXISTING CONDITIONS IMAGES

Rev.	Date	Rev.	Date
DRB SUBMITTAL	08.04.24		

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2312

Digitally signed by Christopher Cawley
Date: 2024.08.01 12:17:31-04'00'

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Architect:

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KOBI KARP

Date:	07.31.2024	Sheet No.
Scale:		L4.01
Project:	THE STANDARD	

EXISTING TREE SURVEY LEGEND

- TREE or PALM TO BE REMOVED. SEE CHART L4.03
- TREE TO REMAIN. PRESERVE + PROTECT
- PALM TO REMAIN. PRESERVE + PROTECT

EXISTING SURVEY LEGEND

SYMBOL	DESCRIPTION
EN-01	TREE / PALM TO BE REMOVED (TYP). SEE DISPOSITION CHART ON SHEET L4.03 FOR MORE INFORMATION.
EN-02	TREE / PALM TO REMAIN (TYP). SEE DISPOSITION CHART ON SHEET L4.03 FOR MORE INFORMATION.
EN-04	EXISTING LANDSCAPE AREA
EN-05	LINE DENOTES FOOTPRINT OF PROPOSED EAST WING

EXISTING TREE SURVEY + DISPOSITION PLAN

1/16" = 1'-0"

0' 15' 30' 45'

N

Rev.	Date	Rev.	Date
DRB SUBMITTAL	08.04.24		

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Digitally signed by Christopher Cawley
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KOBI KARP

Date:	07.31.2024	Sheet No.
Scale:		L4.02
Project:	THE STANDARD	

EXISTING TREE INVENTORY + DISPOSITION CHART

NUMBER	COMMON NAME	BOTANICAL NAME	SPECIMEN	D.B.H. (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	MITIGATION	COMMENTS
3815	TRAVELERS PALM	Ravenala madagascariensis	NO	13"	15'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3816	TRAVELERS PALM	Ravenala madagascariensis	NO	9"	14'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3817	TRAVELERS PALM	Ravenala madagascariensis	NO	9"	20'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3818	TRAVELERS PALM	Ravenala madagascariensis	NO	12"	20'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3819	TRAVELERS PALM	Ravenala madagascariensis	NO	12"	12'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3820	BISMARCK PALM	Bismarckia nobilis	YES	18"	30'	20'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3821	TRAVELERS PALM	Ravenala madagascariensis	NO	9"	14'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3822	TRAVELERS PALM	Ravenala madagascariensis	NO	12"	14'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3823	TRAVELERS PALM	Ravenala madagascariensis	NO	8"	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3824	TRAVELERS PALM	Ravenala madagascariensis	NO	8"	18'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3825	TRAVELERS PALM	Ravenala madagascariensis	NO	10"	17'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3826	TRAVELERS PALM	Ravenala madagascariensis	NO	10"	17'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3827	TRAVELERS PALM	Ravenala madagascariensis	NO	10"	15'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3828	TRAVELERS PALM	Ravenala madagascariensis	NO	8"	18'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3828	TRAVELERS PALM	Ravenala madagascariensis	NO	10"	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3829	TRAVELERS PALM	Ravenala madagascariensis	NO	10"	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3830	TRAVELERS PALM	Ravenala madagascariensis	NO	8"	16'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3831	TRAVELERS PALM	Ravenala madagascariensis	NO	8"	13'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3832	BISMARCK PALM	Bismarckia nobilis	YES	18"	30'	20'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3833	AUTOGRAPH HEDGE	Clusia rosea	YES	N/A	12'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3834	AUTOGRAPH HEDGE	Clusia rosea	YES	N/A	12'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3835	AUTOGRAPH HEDGE	Clusia rosea	YES	N/A	12'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3841	FICUS HEDGE	Ficus bengimina	YES	N/A	12'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3843	FICUS HEDGE	Ficus bengimina	YES	N/A	12'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3844	FICUS HEDGE	Ficus bengimina	YES	N/A	12'	8'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3846	SCREW PINE	Pandanus utilis	NO	6"	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3847	TRAVELERS PALM	Ravenala madagascariensis	NO	6"	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3848	TRAVELERS PALM	Ravenala madagascariensis	NO	6"	6'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3849	UNKNOWN	Unknown	YES	13"	20'	35'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3850	SCREW PINE	Pandanus utilis	NO	5"	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3851	DATE PALM	Phoenix canariensis	NO	11"	20'	20'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3855	DATE PALM	Phoenix canariensis	NO	11"	20'	20'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3856	DATE PALM	Phoenix canariensis	NO	11"	18'	20'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3857	DATE PALM	Phoenix canariensis	NO	10"	16'	20'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3858	DATE PALM	Phoenix canariensis	NO	11"	20'	20'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3859	AUTOGRAPH HEDGE	Clusia rosea	YES		15'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3860	ARECA PALM	Dypsis Lutescens	NO		15'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3862	UNKNOWN			24"	25'	30'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3863	SCREW PINE	Pandanus utilis	NO	3",3"	10'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3864	PALM CLUSTER		NO	CLUSTER	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3866	CHRISTMAS PALM	Veitchia merrillii	NO	4"	12'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3867	TRAVELERS PALM	Ravenala madagascariensis	NO	4"	12'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3868	TRAVELERS PALM	Ravenala madagascariensis	NO	4"	10'	8'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3869	TRAVELERS PALM	Ravenala madagascariensis	NO	5"	10'	8'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3870	TRAVELERS PALM	Ravenala madagascariensis	NO	4"	11'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3871	TRAVELERS PALM	Ravenala madagascariensis	NO	6"	10'	8'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3872	BANANA	Musa	NO	4"	6'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3873	BANANA	Musa	NO	4"	6'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3876	UNKNOWN			8"	23'	25'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3877	BRIDAL VEIL	Caessalpinia granadillo		7"	25'	25'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3878	TRAVELERS PALM	Ravenala madagascariensis	NO	5"	18'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3879	TRAVELERS PALM	Ravenala madagascariensis	NO	5"	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3880	TRAVELERS PALM	Ravenala madagascariensis	NO	5"	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3881	TRAVELERS PALM	Ravenala madagascariensis	NO	5"	15'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3882	TRAVELERS PALM	Ravenala madagascariensis	NO	5"	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3883	PALM CLUSTER		NO	CLUSTER	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3884	PALM CLUSTER		NO	CLUSTER	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3885	PALM CLUSTER		NO	CLUSTER	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3889	SCREW PINE	Pandanus utilis	NO	5"	15'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3890	LADY PALM CLUSTER	Rhapis excelsa	NO	-	10'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3895	SCREW PINE	Pandanus utilis	NO	6"	16'	8'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3896	SCREW PINE	Pandanus utilis	NO	8", 8"	16'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3897	SCREW PINE	Pandanus utilis	NO	6"	16'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3898	SCREW PINE	Pandanus utilis	NO	4"	12'	8'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3899	SCREW PINE	Pandanus utilis	NO	6"	16'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3900	CABBAGE PALM	Sabal palmetto	YES	14"	50'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3901	FICUS HEDGE	Ficus bengimina	YES	-	15'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3903	LADY PALM CLUSTER	Rhapis excelsa	NO	-	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3907	LADY PALM CLUSTER	Rhapis excelsa	NO	-	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3908	SCREW PINE	Pandanus utilis	NO	5"	12'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3909	SCREW PINE	Pandanus utilis	NO	4"	12'	6'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3911	LADY PALM CLUSTER	Rhapis excelsa	NO	-	10'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3913	WASHINGTON PALM	Washingtonia Robusta	NO	13"	50'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3914	WASHINGTON PALM	Washingtonia Robusta	NO	16"	50'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3915	WASHINGTON PALM	Washingtonia Robusta	NO	13"	50'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3916	WASHINGTON PALM	Washingtonia Robusta	NO	15"	50'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3917	WASHINGTON PALM	Washingtonia Robusta	NO	14"	50'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3918	WASHINGTON PALM	Washingtonia Robusta	NO	13"	50'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3919	WASHINGTON PALM	Washingtonia Robusta	NO	14"	50'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3920	SEAGRAPE TREE	Coccoloba uvifera	YES	54"	35'	40'	FAIR	RELOCATE	N/A	SEE LANDSCAPE PLAN FOR PROPOSED RELOCATION
3921	WASHINGTON PALM	Washingtonia Robusta	NO	10"	45'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3922	WASHINGTON PALM	Washingtonia Robusta	NO	13"	45'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3923	WASHINGTON PALM	Washingtonia Robusta	NO	16"	50'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3924	WASHINGTON PALM	Washingtonia Robusta	NO	13"	50'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED

TOTAL TREE DBH LOSS: 54" + REMOVAL OF 34 PALMS
TREE MITIGATION REQUIRED: (20) REPLACEMENT TREES @ 12' HT x 2" D.B.H. x 6' SP
PALM MITIGATION REQUIRED: (34) REPLACEMENT TREES @ 12' HT x 2" D.B.H. x 6' SP

3925	WASHINGTON PALM	Washingtonia Robusta	NO	14"	50'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3926	WASHINGTON PALM	Washingtonia Robusta	NO	15"	50'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3927	WASHINGTON PALM	Washingtonia Robusta	NO	15"	50'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3928	WASHINGTON PALM	Washingtonia Robusta	NO	13"	50'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3929	WASHINGTON PALM	Washingtonia Robusta	NO	13"	50'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3930	SCREW PINE	Pandanus utilis	NO	(3) 8"	20'	25'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3940	UNKNOWN TREE			4"	16'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3941	WILD TAMARIND TREE	Lysiloma latisiliquum	YES	6"	18'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3942	UNKNOWN			4"	8'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3943	TRAVELERS PALM	Ravenala madagascariensis	NO	(3) 12"	20'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3944	UNKNOWN			3"	12'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3945	SAW PALMETTO CLUSTER	Serenoa repens	YES	CLUSTER	18'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3946	WILD TAMARIND TREE	Lysiloma latisiliquum	YES	6"	18'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3947	CABBAGE PALM	Sabal palmetto	YES	14"	23'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3948	UNKNOWN			3"	17'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3949	SAW PALMETTO CLUSTER	Serenoa repens	YES	CLUSTER	18'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3952	MEDJOOL DATE PALM	Phoenix dactylifera 'Medjool'	NO	12"	20'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3953	MEDJOOL DATE PALM	Phoenix dactylifera 'Medjool'	NO	12"	25'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3954	MEDJOOL DATE PALM	Phoenix dactylifera 'Medjool'	NO	12"	18'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3955	MEDJOOL DATE PALM	Phoenix dactylifera 'Medjool'	NO	12"	20'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3957	COCOPLUM SHRUB	Chrysobalanus icaco	YES	4"	14'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3958	UNKNOWN			3"	18'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3959	TRAVELERS PALM	Ravenala madagascariensis	NO	15"	15'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3960	CABBAGE PALM	Sabal palmetto	YES	12"	23'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3961	DRACAENA	Dracaena marginata	NO	3"	5'	3'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3962	DRACAENA	Dracaena marginata	NO	3"	5'	3'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3963	DRACAENA	Dracaena marginata	NO	3"	6'	3'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3964	DRACAENA	Dracaena marginata	NO	3"	7'	3'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3965	SAW PALMETTO CLUSTER	Serenoa repens		CLUSTER	18'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3966	CABBAGE PALM	Sabal palmetto	YES	14"	23'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3967	UNKNOWN			4"	20'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3968	TRAVELERS PALM	Ravenala madagascariensis	NO	15"	15'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3969	COCOPLUM SHRUB	Chrysobalanus icaco	YES	4"	15'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3970	WILD TAMARIND TREE	Lysiloma latisiliquum	YES	6"	18'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3971	CABBAGE PALM	Sabal palmetto	YES	12"	23'	15'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3972	SAW PALMETTO CLUSTER	Serenoa repens	YES	CLUSTER	20'	20'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3974	FRANGIPANI SHRUB	Plumeria obtusa	NO		10'	5'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3975	FRANGIPANI SHRUB	Plumeria obtusa	NO		10'	5'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3976	FRANGIPANI SHRUB	Plumeria obtusa	NO		10'	5'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3977	FRANGIPANI SHRUB	Plumeria obtusa	NO		10'	5'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3978	FRANGIPANI SHRUB	Plumeria obtusa	NO		10'	5'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3979	FRANGIPANI SHRUB	Plumeria obtusa	NO		10'	5'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3981	FRANGIPANI SHRUB	Plumeria obtusa	NO		10'	5'	FAIR	REMOVE	N/A	NOT A TREE. NO MITIGATION REQUIRED
3983	UNKNOWN TREE			3"	15'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3984	UNKNOWN TREE			4"	15'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3985	COCOPLUM	Chrysobalanus icaco		4"	15'	12'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3986	BLACK BAMBOO	Bambusa phyllostachys	NO	CLUSTER	25'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3987	TRAVELERS PALM	Ravenala madagascariensis	NO	12"	15'	10'	FAIR	REMAIN	N/A	PRESERVE + PROTECT DURING CONSTRUCTION
3988	TRAVELERS PALM	Ravenala madagascariensis	NO	12"	15'	10'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3989	BLACK BAMBOO	Bambusa lako	NO	CLUSTER	18'	6'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3990	PALM CLUSTER	Phoenix dactylifera 'Medjool'	NO	CLUSTER	18'	30'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3991	CABBAGE PALM	Sabal palmetto	YES	11"	18'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3992	BLACK BAMBOO	Bambusa lako	NO	CLUSTER	18'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3993	YAUPON HOLLY	Ilex vomitoria	YES	12"	8'	8'	FAIR	REMOVE	12" DBH	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3994	YAUPON HOLLY	Ilex vomitoria	YES	12"	10'	8'	FAIR	REMOVE	12" DBH	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3995	YAUPON HOLLY	Ilex vomitoria	YES	10"	10'	8'	FAIR	REMOVE	10" DBH	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3996	CREPE MYRTLE	Lagerstromia	NO	3"	12'	8'	FAIR	REMOVE	3" DBH	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
3998	BUTTONWOOD HEDGE		YES	-	6'	6'	FAIR	REMOVE	N/A	NOT A TREE, NO MITIGATION REQUIRED
3999	BUTTONWOOD HEDGE		YES	-	10'	6'	FAIR	REMOVE	N/A	NOT A TREE, NO MITIGATION REQUIRED
4001	AVOCADO TREE	Persea americana	NO	17"	30'	30'	FAIR	REMOVE	17" DBH	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4002	ARECA CLUSTER	Dypsis Lutescens	NO	CLUSTER	15'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4004	COCOPLUM HEDGE	Chrysobalanus icaco		-	8'	6'	FAIR	REMOVE	N/A	NOT A TREE, NO MITIGATION REQUIRED
4006	CHRISTMAS PALM	Veitchia merrillii	NO	6", 6"	14'	14'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4008	PODOCARPUS SHRUB	Podocarpus macrophyllus	NO	-	12'	3'	FAIR	REMOVE	N/A	NOT A TREE, NO MITIGATION REQUIRED
4010	MONTGOMERY PALM	Veitchia montgomeryana	NO	4"	24'	10'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4011	MONTGOMERY PALM	Veitchia montgomeryana	NO	4", 4"	25'	15'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4012	MONTGOMERY PALM	Veitchia montgomeryana	NO	4"	23'	10'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4013	MONTGOMERY PALM	Veitchia montgomeryana	NO	4"	25'	8'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4014	MONTGOMERY PALM	Veitchia montgomeryana	NO	3"	23'	8'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4015	MONTGOMERY PALM	Veitchia montgomeryana	NO	4"	25'	10'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4016	CHRISTMAS PALM	Veitchia merrillii	NO	6"	20'	8'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4017	CHRISTMAS PALM	Veitchia merrillii	NO	4"	17'	6'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4018	CHRISTMAS PALM	Veitchia merrillii	NO	6"	18'	6'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4019	CHRISTMAS PALM	Veitchia merrillii	NO	5"	20'	8'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4020	CHRISTMAS PALM	Veitchia merrillii	NO	8"	27'	12'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4021	CHRISTMAS PALM	Veitchia merrillii	NO	-	20'	8'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4022	CHRISTMAS PALM	Veitchia merrillii	NO	-	20'	8'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4025	CABBAGE PALM	Sabal palmetto	YES	11"	15'	20'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4026	MONTGOMERY PALM	Veitchia montgomeryana	NO	9"	25'	18'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4027	MONTGOMERY PALM	Veitchia montgomeryana	NO	8"	24'	15'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4028	WILD COFFEE HEDGE	Psychotria ligustrifolia	YES	-	10'	5'	FAIR	REMOVE	N/A	NOT A TREE, NO MITIGATION REQUIRED
4030	WILD COFFEE HEDGE	Psychotria ligustrifolia	YES	-	14'	3'	FAIR	REMOVE	N/A	NOT A TREE, NO MITIGATION REQUIRED
4034	PALM CLUSTER		NO	CLUSTER	6'	10'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4035	COCONUT PALM	Cocos nucifera	NO	13"	35'	20'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4036	CHRISTMAS PALM	Veitchia merrillii	NO	6"	15'	8'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED
4037	COCONUT PALM	Cocos nucifera	NO	11"	35'	18'	FAIR	REMOVE	1 REP.TREE	CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED

Rev.	Date	Rev.	Date
DRB SUBMITTAL	08.04.24		

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2312

Digitally signed by Christopher Cawley
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KOBI KARP

EXISTING TREE CHART

Date: 07.31.2024
Scale:
Project: THE STANDARD
Sheet No. **L4.03**

ARBORIST REPORT | ALEXIS ALVEY #NY5539B DATED 01.24.24

ALVEY TREE Consulting

ALVEY TREE CONSULTING LLC

ALEXIS ALVEY -
ISA BOARD CERTIFIED MASTER ARBORIST®
#NY-5539B

Arborist Report

The Standard Hotel
40 Island Avenue
Miami Beach

1/24/2024

Arborist Report

1/24/2024

On January 19th 2024, I visited the Standard Hotel located at 40 Island Avenue at the request of Christopher Cawley Landscape Architecture. I evaluated the existing specimen trees within the project limits in anticipation of new construction. For each tree, I confirmed species, location, and size (Height, Spread, DBH); evaluated condition (Poor, Fair, Good); determined the Tree Protection Zone for trees to remain or be relocated; provided relevant comments about health and condition; and took photographs. Street trees are included.

For tree disposition, please see the landscape plans. Trees that are dead, are in poor condition, or are invasive are recommended for removal. For trees that are to remain, protective barriers shall be placed at the dripline or 10ft radius from the tree trunk, whichever is greater. Barriers shall be installed prior to the start of construction, and shall remain in place until development is completed and until the department authorizes their removal. Barriers shall be a minimum of 4ft high, and shall be constructed of continuous chain link fence with metal posts at 8ft spacing, or of 2x4 posts with three equally spaced 2x4 rails. Posts may be shifted to avoid roots. No materials shall be placed or disposed of within the TPZ. Natural grade shall be maintained within the TPZ. All ANSI A300 Standards shall be followed.

This report shall in no shape or form be construed as a tree risk assessment which is beyond the scope of work written in the contractual agreement. Please feel free to contact me should any questions arise. Thank-you for the opportunity to assist in this manner.

Alexis Alvey
ISA Board Certified Master Arborist® #NY-5539B

Alvey Tree Consulting LLC
516-728-1366
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Property Location -
The Standard Hotel
40 Island Avenue
Miami Beach, FL 33139

Client -
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Tree #3832

Common Name - BISMARCK PALM
DBH (in) - 18"
Height (ft) - 30'
Canopy Spread (ft) - 20'
Condition - FAIR
Scientific Name - *Bismarckia nobilis*
Disposition - REMAIN 10FT RADIUS TPZ

Tree #3832 is a Bismarck Palm located on the south side of the pool area. It is in fair condition with bleeding cankers on trunk.

Tree #3849

Common Name - BRIDAL VEIL
DBH (in) - 13"
Height (ft) - 20'
Canopy Spread (ft) - 35'
Condition - GOOD
Scientific Name - *Caesalpinia granadillo*
Disposition - REMAIN 17.5FT RADIUS TPZ

Tree #3849 is a Bridal Veil located on the east side of the central gardens. It is in good condition with a nice, spreading form and little deadwood.

Tree #3862

Common Name - SILVER TRUMPET TREE
DBH (in) - 24"
Height (ft) - 25'
Canopy Spread (ft) - 30'
Condition - GOOD
Scientific Name - *Tabebuia caraiba*
Disposition - REMAIN 15FT RADIUS TPZ

Tree #3862 is a Silver Trumpet Tree located in the central gardens. It is in good condition with a nice form. Some small deadwood is present. Prune to remove deadwood and broken limbs.

Tree #3896

Common Name - SCREW PINE
DBH (in) - 8", 8"
Height (ft) - 16'
Canopy Spread (ft) - 10'
Condition - FAIR
Scientific Name - *Pandanus utilis*
Disposition - REMAIN 10FT RADIUS TPZ

Tree #3896 is a Screw Pine located on the west side of the central gardens. It is in fair condition and appears to have been hatracked years ago. There are injuries on a main limb.It is double-trunked.

Tree #3919

Common Name - WASHINGTON PALM
DBH (in) - 14"
Height (ft) - 50'
Canopy Spread (ft) - 12'
Condition - FAIR
Scientific Name - *Washingtonia robusta*
Disposition - REMAIN 10FT RADIUS TPZ

Tree #3919 is a Washingtonia Palm located along the central boardwalk area. It is in fair condition. Prune to remove the lower dead fronds.

Tree #3920

Common Name - SEAGRAPE TREE
DBH (in) - 54"
Height (ft) - 35'
Canopy Spread (ft) - 40'
Condition - FAIR
Scientific Name - *Coccoloba uvifera*
Disposition - RELOCATE 20FT RADIUS TPZ

Tree #3920 is a large Seagrape located along the central boardwalk area. It is triple-trunked and in fair condition. The canopy is dense and crown spread appears to have been reduced over the years. There is an old cavity on one of the trunks that has nearly closed over. There is some deadwood and crossing limbs. Staghorn ferns and other epiphytes are growing on the tree.

This tree is a fine candidate for relocation. Prune to remove deadwood and broken limbs.

Tree #3930

Common Name - SCREW PINE
DBH (in) - (3) 8"
Height (ft) - 20'
Canopy Spread (ft) - 25'
Condition - GOOD
Scientific Name - *Pandanus utilis*
Disposition - REMAIN 12.5FT RADIUS TPZ

Tree #3930 is a Screw Pine located along the central boardwalk area. It is triple-trunked and in good condition. It has been pruned into a tight, pyramidal shape.

Tree #3943

Common Name - TRAVELERS PALM
DBH (in) - (3) 12"
Height (ft) - 20'
Canopy Spread (ft) - 15'
Condition - GOOD
Scientific Name - *Ravenala madagascariensis*
Disposition - REMAIN 10FT RADIUS TPZ

Tree #3943 is a Travelers Palm located on the east side of the property. It is in good condition with some tattered fronds.

Tree #3990

Common Name - DATE PALM, TRIPLE
DBH (in) - 36"
Height (ft) - 18'
Canopy Spread (ft) - 30'
Condition - FAIR
Scientific Name - *Phoenix dactylifera*
Disposition - REMOVE

Tree #3990 is a triple-trunked Date Palm located on the east side of the property. It is in fair condition with some yellowing on the fronds.

Tree #4001

Common Name - AVOCADO TREE
DBH (in) - 17"
Height (ft) - 30'
Canopy Spread (ft) - 30'
Condition - FAIR
Scientific Name - *Persea americana*
Disposition - REMOVE

Tree #4001 is an Avocado Tree located on the east side of the property. It is located on the other side of the existing fence and the canopy spreads into the neighboring property. The tree is in fair condition. There are small cavities with decay and the tree has low vigor. There is a bud on one of the two main trunks (circled in red).

Notes - TPZ Calculations & Tree and Palm Relocation

Tree Protection Zone (TPZ) -
- For trees and palms that are to remain, protective barriers shall be placed at the dripline or 10ft radius from the trunk, whichever is greater.
- For trees and palms that are relocated, protective barriers shall be placed at the dripline or 1 - 2ft outside the rootball, whichever is greater.

Tree and Palm Relocation Notes -

1. All phases of transplanting trees and palms to be performed or supervised by Certified Arborist.
2. Trees to be relocated shall be root pruned six to eight weeks prior to transplanting. Landscape Contractor shall maintain transplanted material during construction period by watering, mowing, spraying, fertilizing, and pruning.
3. Landscape Contractor is responsible for verifying locations of all underground and overhead utilities and easements prior to commencing work. All utility companies and/or the General Contractor shall be notified to verify locations prior to digging. Utility trenching is to be coordinated with the Landscape Contractor prior to beginning of project. The Owner and Certified Arborist shall not be responsible for damage to utility or irrigation lines.
4. The Landscape Contractor shall comply with all local and state codes and shall be responsible for obtaining all applicable permits.
5. The Landscape Contractor shall regularly inspect the relocated material to ensure compliance with standard horticultural practices.
6. The Landscape Contractor is responsible for guaranteeing the transplanted trees and palms for a period of one year. At the time of the final inspection all transplanted trees and palms that are not in viable condition shall be replaced by the Landscape Contractor.
7. The Landscape Contractor shall take all precautions to minimize shock of root pruning and transplanting in accordance with standard arboriculture practices.
8. The diameter of the root ball to be transplanted shall follow the guidelines set forth in the latest edition of the Florida Grades and Standards for Nursery Plants.
9. Roots shall be cleanly cut with a sharp spade, hand saw, chainsaw, or other approved root-pruning equipment.
10. Trees shall not be pruned at transplanting to compensate for root loss. Any pruning required shall be as per the ANSI A300 Standards.
11. For all palms except Sabal palmetto, only dead fronds shall be removed. Sabal palmetto shall have all fronds cut without damaging the bud. Fronds shall be securely tied around the bud prior to relocation and shall be untied after placement in the new planting hole. The bud shall be protected from damage or injury during relocation.
12. After root pruning trees, backfill roots to original existing grade with existing soil free of any deleterious material to root growth.
13. Provide a layer of 3" mulch over backfill area to prevent weed growth, conserve moisture and prevent evaporation. Keep mulch 6" away from the trunk.
14. Provide tree protection as per Landscape Architect's Tree Protection Detail to ensure that the tree or root system is not damaged during the root pruning period.
15. After root pruning and prior to relocation, tree(s) shall be watered a minimum of twice weekly.
16. Transplanting shall occur within 24 hours after being dug for relocation. The root ball shall be kept moist.
17. Digging and preparation of the new hole for the transplant shall be done prior to removing the tree from the existing location.
18. The depth of the new hole shall be equal to the depth of the root ball and the width shall be equal to two to three times the width of the root ball.
19. Trees and palms shall be lifted from the ground with heavy equipment designed specifically for tree relocation so that the trunk and crown is not impacted and damaged by the equipment.
20. The slings used to lift the trees and large palms shall be non-binding nylon slings that are wrapped under the root ball to support the weight of tree or palm. Slings shall not be solely wrapped around the trunk of the tree. Padding the sling may be necessary so that the trunk is not damaged.

Notes - Tree and Palm Relocation (Contd.)

21. Trees and palms shall be planted so that the top of the rootball is flush with the existing grade. Ensure that deep planting does not occur. The tree and palm shall be centrally positioned in the planting hole and set straight, plumb or normal to the growth pattern prior to transplanting.
22. Transplanted trees and palms shall be backfilled with a uniform mix of 25% fully decomposed compost and 75% existing site soil cleaned free of weeds and rocks.
23. Trees and palms shall be watered to eliminate air pockets in the backfill mix prior to mulching.
24. A 4" soil berm shall be created around the edge of the planting hole to hold water, or as per the Landscape Architect's Planting Details.
25. Install tree and palm bracing as per the Landscape Architect's Planting Details, to ensure stability of trees and palms.
26. After transplanting trees and palms, the Landscape Contractor shall be responsible for watering to maintain soil moisture during the guarantee period. The following schedule is suggested: First month - Daily; Second month - 3 times per week; Third and Fourth month - 2 times per week; Last Eight months - 1 time per week. For trees over 4" in caliper at the time of planting, the suggested schedule is: First 6 weeks - Daily; from 1.5 months to 6 months - 3 times per week, last 6 months - 1 time per week.

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

1. THIS 'EXISTING TREE INVENTORY + DISPOSITION PLAN' HAS BEEN PREPARED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH, CHAPTER 46 - ENVIRONMENT, DIVISION 2, TREE PRESERVATION + PROTECTION ORDINANCE.
2. EXISTING TREE, PALM, + VEGETATION INFORMATION AS INDICATED HAS BEEN PREPARED AS AN OVERLAY ON THE SURVEY PREPARED BY FORTIN, LEAVY, SKILES INC SURVEYORS DATED 09.11.23.
3. THE INFORMATION AS PRESENTED HEREIN HAS BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT ON 09.15.23
5. MIAMI BEACH P+Z AND URBAN FORESTRY DEPARTMENT MUST APPROVE LANDSCAPE PLANS PRIOR TO REMOVING ANY TREES OR PALMS WITH A D.B.H. GREATER THAN 2". A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM CITY OF MIAMI BEACH URBAN FORESTRY / PUBLIC WORKS FOR THE REMOVAL OF TREES / PALMS WITH A D.B.H. GREATER THAN 2" OR IN THE R.O.W.
6. THE OWNER RESERVES THE RIGHT TO REMOVE ANY VEGETATION NOT LOCATED WITHIN THE CITY R.O.W. WITH A D.B.H. OF LESS THAN 2" WITHOUT OBTAINING A TREE REMOVAL PERMIT.
7. THERE ARE NO TREES OR PALMS LOCATED ON THIS PROPERTY THAT WILL REQUIRE TEMPORARY IRRIGATION. ALL EXISTING TREES + PALMS ARE MATURE AND ARE CURRENTLY THRIVING WITHOUT SUPPLEMENTAL IRRIGATION WATER.

TREE + PALM MITIGATION SUMMARY

CH 46 TREE PRESERVATION + PROTECTION

MIAMI BEACH LANDSCAPE ORDINANCE CHAPTER 46 ENVIRONMENT

TREES

REMOVED (TOTAL DBH OF TREES)	REPLACEMENT TREES REQ.	REPLACEMENT TREES PROVIDED
54" OF DBH	20 @ 12' HT + 2" DBH + 6' SP OR 10 @ 16' HT + 4" DBH + 8' SP	**20 REPLACEMENT TREES PROVIDED** @ 12' HT' + 2" DBH + 6' SP BREAKDOWN: (10) NATIVE SPANISH STOPPER TREES @ 16' HT + 4" DBH + 8' SP = **20 REPLACEMENT TREES**

PALMS

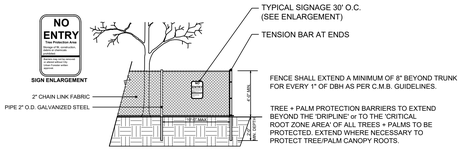
REMOVED (TOTAL PALMS)	REPLACEMENT TREES REQ.	REPLACEMENT TREES PROVIDED
34	34 @ 12' HT + 2" DBH + 6' SP OR 17 @ 16' HT + 4" DBH + 8' SP	**34 REPLACEMENT TREES PROVIDED** @ 12' HT' + 2" DBH + 6' SP BREAKDOWN: (5) NATIVE SPANISH STOPPER TREES @ 16' HT + 4" DBH + 8' SP = **10 REPLACEMENT TREES** (6) BAY RUM TREES @ 16' HT + 4" DBH + 8' SP = **12 REPLACEMENT TREES** (4) NATIVE PIGEON PLUM TREES @ 16' HT + 4" DBH + 8' SP = **8 REPLACEMENT TREES** (2) NATIVE CLUSIA ROSEA TREES @ 22' HT + 8" DBH + 12' SP = **4 REPLACEMENT TREES**

TREE DISPOSITION SUMMARY

	TOTAL	REMAIN	REMOVE	RELOCATE
TREES	33	0	5	1
PALMS	108	74	34	0

TREE + PALM PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING FOR ALL TREES OR PALMS THAT ARE 'TO REMAIN, BE PROTECTED, or BE RELOCATED' ONSITE. TPF SHALL BE MAINTAINED AND SHALL REMAIN UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED FROM CITY URBAN FORESTER AFTER ALL SITE WORK HAS BEEN COMPLETED.

NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, AND MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL, LIGHTING, ETC. WITHOUT URBAN FORESTER APPROVAL.



1 TREE + PALM PROTECTION DETAIL (CHAINLINK FENCE)
3/16" = 1'-0" CD-PL-06

MITIGATION SUMMARY, NOTES + ARBORIST REPORT

Rev.	Date	Rev.	Date
DRB SUBMITTAL	08.04.24		

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Digitally signed by Christopher Cawley
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Date:	07.31.2024	Sheet No.
Scale:		L4.04
Project:	THE STANDARD	