

NEW RESIDENCE | 790 LAKEVIEW DRIVE

MIAMI BEACH DESIGN REVIEW BOARD FIRST SUBMITTAL: AUGUST 26, 2016 SECOND SUBMITTAL: SEPTEMBER 6, 2016

CLIENT / PROPERTY INFORMATION

PROPERTY ADDRESS 790 LAKEVIEW DRIVE MIAMI BEACH, FL 33140

EXISTING VEGETATION SUMMARY

The site is covered in invasive vegetation and small palms that do not require permits to remove (umbrella trees, northfolk island pines, and brazilian pepper). There are (3) black olives that are in conflict with the site design. The existing specimen black olive tree (#59) to be removed, is currently covered in vines and invasive vegetation, appears to have suffered serious damage from hurricanes and/or improper pruning practices. An arborist report will be provided for this tree (#59) as well as for trees (#9, 10, 32, 41, 42, 42a, 54, 55 and 66) at time of permitting. There are a few species that require approval and removal permits from CMB, the required mitigation is being provided see sheets L-2 and L-2a. and L-2a

SCOPE OF WORK

Design new landscape to complement contemporary Residence designed by DOMO Architecture.

SHEET INDEX/PROGRESS SUBMITTAL

- L-0 Landscape Cover Page + Sheet Index
- **L-1** Landscape Plan
- L-1a Landscape Notes + Details
- L-2 Existing Tree Survey
 L-2a Existing Tree Notes + Disposition Chart
 L-2b Arborist Report
- **L-2c** Arborist Report

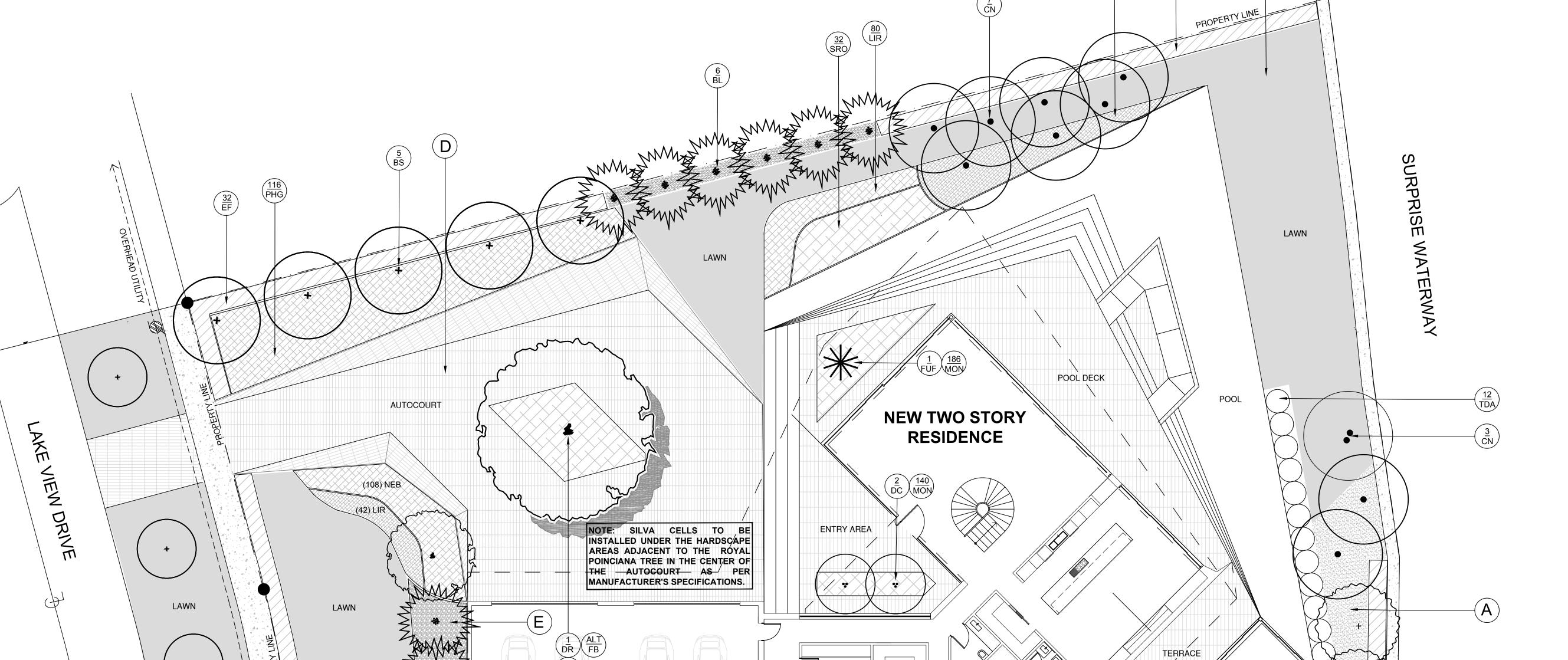
08.26.2016 | Submittal 1 09.06.2016 | Submittal 2











LANDSCAPE PLAN LEGEND

(A) 3/8" DECOMOPOSED GRANITE AGGREGATE OVER FILTER FABRIC

(C)

LANDSCAPE PLAN

B ZOYSIA 'EMPIRE' LAWN

PROPERTY LINE

 $\frac{2}{\text{CS}}$ NEB

- D HARD SURFACE, REFER TO ARCHITECTURE
- (E) 1-2" POLISHED RIVER ROCK

CHRISTOPHER CAWLEY, RLA

3. TREE, PALM, ACCENT AND BED LINES ARE TO BE LOCATED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

ANY CHANGES TO R.O.W. (RIGHT OF WAY) MATERIAL IN REGARDS TO PLACEMENT OF SPECIES SHALL REQUIRE THE APPROVAL AND CONSULTATION OF THE CITY URBAN FORESTER AND OR CITY STAFF.

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 BERMS11. ALL TREES, PALMS, SHRUBS AND GROUND COVERS, AND SOD / LAWN SHALL CARRY A AND OTHER LANDSCAPE AREAS.

CARE SHALL BE TAKEN TO AVOID PLACEMENT OF CONSTRUCTION FILL, GRAVEL, AND 12. ALL TREES AND PALMS SHALL BE STAKED PER ACCEPTED STANDARDS BY THE OR DEBRIS OVER THE ROOT BALLS OF INSTALLED OR EXISTING TREES AND OR PALMS

2" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.

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

ALL LANDSCAPE AND AREAS TO BE SODDED.

AND BE INCLUSIVE WITH THE LANDSCAPE BID.

TREES

DR

PALMS + BAMBOO

VM NO

SHRUBS

NEB

SHRUB AND HEDGE PLANTING AREAS:

12" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT. TREES, PALMS, SPECIMEN PLANT MATERIAL LOCATIONS: REMOVE ALL LIME ROCK PRESENT TO A DEPTH OF AT LEAST 30"BEFORE

PLACING NEW PLANTING SOIL. APPLY NEW CLEAN PLANTING SOIL IN PLANTING AREA AS REQUIRED

FINAL GRADES. THIS SHALL INCLUDE A 2" APPLICATION OF 50:50 TOPSOIL:SAND MIX FOR

6. THE LANDSCAPE CONTRACTOR SHALL CALCULATE AND SUBMIT AN ITEMIZED PRICE FOR THE 2" APPLICATION OF 50:50 MIX FOR ALL SOD AREAS AS A REFERENCE IN THE CASE THAT THERE WOULD BE A DISCREPANCY BETWEEN SITE AND LANDSCAPE CONTRACTORS AND NOTIFY THE SITE CONTRACTOR OR PROJECT SUPERINTENDENT AS 15. FERTILIZATION: ONE COMPLETE APPLICATION OF GRANULAR FERTILIZER SHALL BE TO THIS DISCREPANCY. IT WILL THEN BE DETERMINED WHICH PARTY WILL PROVIDE THIS 2" TOPSOIL:SAND APPLICATION AND SUBSEQUENT PAYMENT.OTHER PLANTING SOIL MIXES TO BE ADDED, I.E. FOR TREES, PALMS, SPECIMEN PLANTS, SHRUBS AND GROUND COVERS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR

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

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

PLANTLIST - 790 LAKE VIEW

CS YES 2 SILVER BUTTONWOOD TREE

YES 142 SPANISH STOPPER

NO 14 GIANT BLACK BAMBOO

7 MONTGOMERY PALM

LIRIOPE 'BIG BLUE'

NO as req | PHILODENDRON CONGO ROJO

PHILODENDRON GLORIOSUM

SOD ZOYSIA 'EMPIRE' LAWN OVER 2" TOPSOIL BED, SEE PLANTING SPECS.

CN NO 10 GREEN MALAYAN COCONUT

PYL YES 54 DWARF BAHAMA COFFEE

MOD NO 36 SWISS CHEESE PLANT

YES | 150 | BOSTON FERN

NO 115 GROUND ORCHID

SRO NO 32 BIRD OF PARADISE

TDA YES 12 FAKAHATCHEE GRASS

NO ALT BANYAN TREE

MF YES 1 SIMPSON STOPPER

TD YES 8 BALD CYPRESS TREE

DC NO 2 CABADA PALM

TROPICALS, GROUND COVERS,+ VINES

NO 122

NO 138

ZAP YES 38 COONTIE

SOD, AGGREGATE & MULCH

FUF NO 1 FALSE AGAVE

MON NO 326 MONDO GRASS

GC NO 4 GLAUCOUS CASSIA TREE

1 ROYAL POINCIANA

BOTANICAL NAME

Bursera simarubra

Delonix regia

Eugenia foetida

Ficus benghalensis

Cassia surattensis

Myrciana fragrens

Taxodium distichum

Bambusa lako

Dypsis cabadae

Coccoloba diversifolia

Conocarpus erectus 'Sericeus'

Cocos nucifera 'Green Malayan

Veitchia montgomeryana

Psychotria ligustrifolia

Liriope muscari 'Big Blue'

Furcraea foetida

Monstera deliciosa

Ophiopogon japonica

Spathoglottis plicata

Tripsacum dactyloides

3/8" DECOMPOSED GRANITE AGGREGATE OR STONE TO BE SELECTED, INSTALL OVER FILTER FABRIC AND WEED BARRIER MATERIAL / EQUAL TO OLIMAR

Strelitzia reginae

Zamia Pumila

DARK BROWN SHREDDED ORGANIC MULCH (NO CYPRESS OR DYED MULCH), 3" MINIMUM DEPTH, TO BE DETERMINED

Philodendron 'Congo Rojo'

KEY NATIVE QTY. COMMON NAME

BS YES 5 GUMBO LIMBO

YES

CD YES 3 PIGEON PLUM TREE

9. ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 2" WITH A SMALL GRAY GRANITE AGGREGATE or APPROVED ORGANIC MULCH FREE FROM WEEDS AND PESTS. NO 'CYPRESS MULCH' OR 'RED DYED MULCH' TO BE ACCEPTED. KEEP MULCH 6" AWAY FROM TREE OR PALM TRUNKS AS PER INDUSTRY RECOMMENDATIONS.

10. 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

ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.

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

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

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

14. IF NECESSARY, CONTRACTOR SHALL PROVIDE A WATER TRUCK DURING PLANTING TO 5. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO BRING ALL GRADES TO WITHIN 2" OF ENSURE PROPER WATERING-IN DURING INSTALLATION AND CONTRACTOR WILL BE RESPONSIBLE FOR CONTINUAL WATERING UNTIL FINAL ACCEPTANCE BY THE OWNER.

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

APPLIED PRIOR TO FINAL ACCEPTANCE AND APPROVAL BY THE LANDSCAPE ARCHITECT. FERTILIZER SHALL BE OSMACOTE OR APPROVAL EQUAL

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

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

18. CITY OF URBAN FORESTER AND OR PLANNING DEPARTMENT STAFF TO APPROVE ROW TREES BEFORE THEY ARE PLANTED.

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

100 gallon, 18' height min, 8' spread, single, matched, equal to Treeworld Wholesale

30 gallon, 8' height x 3' spread, standard, 2' clear trunk, equal to Treeworld Wholesale

Field grown specimen, to be approved by landscape architect, alt for Royal Poinciana

45 gallon, 12-14' height x 6-8' spread, 6' clear trunk, 3" caliper, equal to Treeworld

100 gallon, 12'-14' height x 6-8' spread, multi trunk, equal to Treeworld Wholesale

200 gallon, 20' height, 7" caliper, specimen to be approved by Landscape architect

65 gallon, 14' height, 6' spread, 3" dbh, egual to Treeworld Wholesale

65 gallon, 14' height, 6' spread, 3" dbh, equal to Treeworld Wholesale

Field grown, 12', 14', 16', and 18' graywood, full heads, Florida Fancy

Field grown specimen, to be approved by landscape architect

22' - 24' overall height, full to base, field grown

Field grown, 18' overall height, full to base, lush

7 gallon, 24' height x 18' spread, space 24" on ceter

gallon, 12" height x 12" spread, full, 18" on center

7 gallon, 30" height x 30" spread, full, 30" on center

3 gallon, 18" height x 18" spread, full, 24" on center

7 gallon, 36" height x 36" spread, full, 30" on center

1 gallon, 10" height x 10" spread, full, 12" on center

3 gallon, 24" height x 24" spread, full, 24" on center

7 gallon, 24" height x 24" spread, full, 30" on center

7 gallon, 3' height x 30" spread, full, 30" on center, orange

gallon, 6" height x 6" spread, full, 6" on center

15 gallon, 4' height x 4' spread

Nephrolepis exaltata 'Bostoniensis' 3 gallon, 18" height x 18" spread, full, 18" on center

Field grown, single, palm fronds at 18-20' height, matched

HEIGHT, SPECIFICATION, & NOTES

FRONT ELEVATION ACK ELEVATION (2) 5'-0" ABOVE GRADE 3'-0" BELOW GRADE FRONT ELEVATION / SECTION

1. SET TREE PLUMB IN PLANTING PIT

LANDSCAPE TIMBERS

PROTECT TREE TRUNK WITH I NOMACO STYROFOAM PADDING GUARDS, #6U048048, AS SPECIFIED, OR APPROVED

AMAZON HOUSE AND RUBBER 1 1 I' AIR HOSE #K1146 OR APPROVED EQUAL, TO COVER 10 GAUGE WIRE 4. 1 10 GAUGE GALVANIZED WIRE. WIRE PRODUCT, OR

APPROVED EQUAL. 5. 1 2"X4"X4" NON TREATED LANDSCAPE TIMBER AS SPECIFIED FASTEN WITH 4 3 ½ " DECK SCREWS TO 2"X3"X8' P.T

1 % MALLEABLE CLAMP FASTENER FOR WIRE. SUPPLIER FLORIDA WIRE OR APPROVED EQUAL

7. 2 2"X4" X8' P.T LANDSCAPE TIMBER AS SPECIFIED 8. 1"-2" MULCH DEPTH LAYER ON ROOTBALL

4" WATER RING, (WITHIN ROOTBALL DIA.), FILL 3 TIMES IMMEDIATELY AFTER PLANTING, RAKE OUT PRIOR TO MULCHING AND PLANTING

10. ROOT FLARE 1"-2" ABOVE FINISHED GRADE

11. B&B OR CONTAINERIZED ROOTBALL, REMOVE ALL BURLAP IF NOT 100% BIODEGRADABLE.REMOVE CONTAINER FROM ROOTBALL PRIOR TO PLANTING

12. BACKFILL, TOP SOIL TYP, OF AREA, BACKFILL SHALL BE AMENDED THROUGHOUT ENTIRE SITE WITH FERTILIZER AND COMPOST AS REQUIRED

. UNDISTURBED SUBGRADE

14. COMPACT SOIL IMMEDIATELY BENEATH THE ROOTBALL TO PREVENT SETTLING.

1. CONTRACTOR TO ASSURE PERCOLATION IN TREE PITS 2. NO MULCH WITHIN 4" OF TRUNK

C.M.B. MEDIUM TREE PLANTING DETAIL

SHRUB SPACING AS PER SPECS

PLANT MATERIAL SHALL NOT BE PRUNED PRIOR TO INSTALLATION, AFTER PLANTS HAVE BEEN INSTALLED, EACH PLANT SHALL BE PRUNED FOR UNIFORMITY OR AT THE DIRECTION OF THE PROJECT LANDSCAPE · MULCH - SEE SPECS. FOR DEPTH, TYPE, ETC. MULCH SHALL BE LEVEL WITH ALL EDGES OF PAVEMENT TYPICAL

- 2" MIN. SAUCER COLLAR FOR WATER RETENTION LEAVE MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING, OR, COMPACT THOROUGHLY

PLANTING SOIL MIX - SEE LANDSCAPE NOTES, FOR MIX,

SHRUB PLANTING DETAIL

N.T.S.

N.T.S.

C.M.B. PUBLIC WORKS / GREENSPACE MANAGEMENT CONDITIONS

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

2. CARE SHALL BE TAKEN TO AVOID UTILITY OR CONSTRUCTION TRENCHING THROUGH EXISTING TREE OR PALM DRIPLINES OF TREES SLATED TO REMAIN IN PLACE OR BE RELOCATED. IF CONSTRUCTION REQUIRES THE CUTTING OF ANY ROOTS WITH A DIAMETER OF 2" OR GREATER, ROOTS SHALL BE CLEANLY CUT WITH A SHARP TOOL, AS DIRECTED BY AN ISA CERTIFIED ARBORIST, AND IN ACCORDANCE WITH THE ANSI A-300 STANDARDS. CUT ROOTS SHOULD BE IMMEDIATELY COVERED WITH SOIL TO PREVENT DRYING. ROOTS SHOULD NOT BE TORN OR BROKEN BY HEAVY EQUIPMENT, AND NO SHREDDED, RAGGED OR BROKEN ROOT ENDS SHOULD BE LEFT.THE CITY URBAN FORESTER SHALL BE NOTIFIED IN WRITING AND OR CONSULTED PRIOR TO ANY ROOT PRUNING TAKING PLACE.

3. SHOULD ANY CORRECTIVE STRUCTURAL PRUNING BE NECESSARY FOR TREES PROPOSED TO REMAIN ONSITE. DUE TO CLEARANCE, SAFETY OR FOR CONSTRUCTION RELATED REASONS THE PRUNING SHALL BE PERFORMED BY AN ISA OR ASCA CERTIFED ARBORIST IN ACCORDANCE WITH THE LATEST VERSION OF THE ANSI A-300 PRUNING STANDARDS AND GOOD HORTICULTURAL PRACTICES. THE CITY URBAN FORESTER SHALL BE PROVIDED WITH A WRITTEN COPY OF THE PROPOSED PRUNING PLAN INCLUDING THE REASONS WHY PRUNING IS NECESSARY, PRIOR TO THE PRUNING ACTVITIES TAKING PLACE.

4. ANY ROOT PRUNING, IF REQUIRED DURING THE PROJECT, SHALL BE CONDUCTED UNDER THE SUPERVISION OF AN ISA CERTIFIED ARBORIST OR ACSA CONSULTING ARBORIST. ANY ROOT PRUNING, IF REQUIRED, WILL BE LIMITED TO WHAT IS ABSOLUTELY NECESSARY FOR CONSTRUCTION. ADDITIONALLY, AND ROOT PRUNING WORK WILL BE DOCUMENTED WITH COLOR PICTURES AND PROVIDED TO MR. MARK WILLIAMS AT C.M.B. PUBLIC WORKS / GREENSPACE MANAGEMENT + MR. RICARDO GUZMAN AT C.M.B. PLANNING + ZONING DEPARTMENTS ON A REGULAR BASIS.

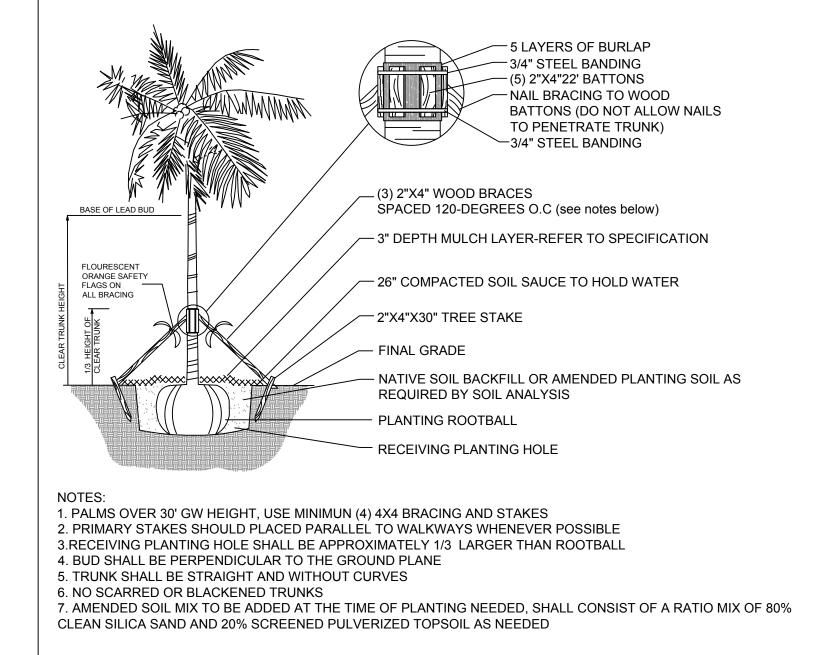
LANDSCAPE PLAN NOTES

. CONTRACTOR SHALL REMOVE ALL STAKES, POLES, WELLINGTON TAPE AND / OR BRACING MATERIALS FROM ALL PALMS, TREES, AND SHRUBS, WITHIN (1) YEAR OF INSTALLATION. THIS NOTE IS APPLICABLE TO ALL PLANTING DETAILS ON THIS SHEET.

2. EXISTING SITE CONDITIONS HAVE BEEN FIELD VERIFIED BY LANDSCAPE ARCHITECT.

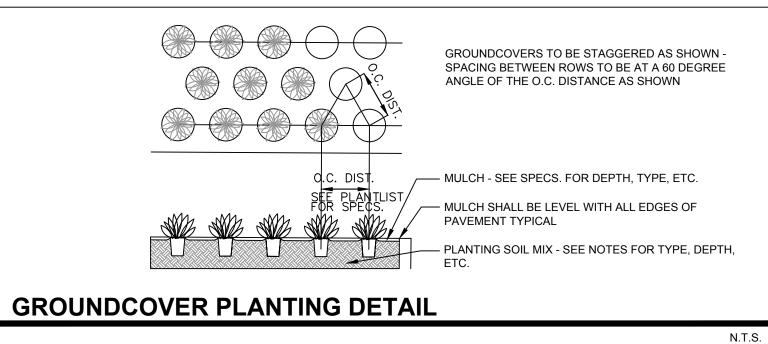
3. ALL LANDSCAPE AREAS TO BE 100% COVERED BY A FULLY AUTOMATIC IRRIGATION SYSTEM WITH RAIN SENSOR. CONTRACTOR TO PROVIDE SHOP DRAWING OF MODIFIED IRRIGATION SYSTEM TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.

SHEETS L-1 thru L-4 TO BE UTILIZED FOR LANDSCAPE AND IRRIGATION PURPOSES ONLY. ALL SITE IMPROVEMENTS INCLUDING GRADING AND DRAINAGE TO BE BY OTHERS. REFER TO ARCHITECTURE AND ENGINEERING PLANS FOR ALL ADDITIONAL INFORMATION.



C.M.B. PALM PLANTING DETAIL

N.T.S.



LANDSCAPE LEGEND

54 DWARF BAHAMA SHRUBS PROVIDED

MIAMI - DADE COUNTY LANDSCAPE ORDINANCE CHAPTER 18-A (RESIDENTIAL VERSION)

3 TREES REQUIRED PER LOT / 162 TREES PROVIDED MEETING MINIMUM REQUIREMENTS. (5) GUMBO LIMBO, (3) PIGEON PLUM, (2) SILVER BUTTONWOOD, (1) ROYAL POINCIANA, (142) SPANISH STOPPER, (1)

SIMPSON STOPPER, (8) BALD CYPRESS TREES 30% OF REQUIRED TREES OR .30 X 6 = 2 NATIVE TREES REQUIRED / 158 NATIVE TREES PROVIDED. (5)

GUMBO LIMBO, (3) PIGEON PLUM, (2) SILVER BUTTONWOOD, (1) ROYAL POINCIANA, (142) SPANISH STOPPER, (1) SIMPSON STOPPER, (8) BALD CYPRESS TREES

10 SHRUBS REQUIRED FOR EACH REQUIRED TREE or 10 X (3) = 30 REQUIRED / 54 SHRUBS PROVIDED

30% OF TOTAL SHRUBS REQUIRED MUST BE NATIVE or .30 X 30 = 9 / 54 NATIVE SHRUBS PROVIDED

50% MAXIMUM OF LANDSCAPE AREA: NEW LAWN AREAS ARE LESS THAN 50% OF LANDSCAPE AREA

100% COVERAGE PROVIDED PURSUANT TO MIAMI DADE CODE

C.M.B. CANOPY MITIGATION NOTES

THE CANOPY MITIGATION OF 9,463 SF AS REQUIRED BY THE CITY OF MIAMI BEACH, CHAPTER 46 - ENVIRONMENT, DIVISION 2. TREE PRESERVATION and PROTECTION ORDINANCE HAS BEEN MET AND EXCEEDED. A TOTAL 20,200 SF OF **CANOPY HAS BEEN PROVIDED.**

CANOPY MITIGATION SUMMARY

MB CATEGORY I @ 300 SF EA: - (5) NATIVE GUMBO LIMBO TREES: 1500 SF - (1) NATIVE ROYAL POINCIANA TREE: 300 SF - (8) NATIVE BALD CYPRESS TREES: 2400 SF

MB CATEGORY II @ 150 SF EA: - (3) NATIVE PIGEON PLUM TREES: 450 SF - (2) NATIVE SILVER BUTTONWOOD TREES: 300 SF

MB CATEGORY III @ 100 SF EA: - (142) NATIVE SPANISH STOPPER TREES: 14,200 SF - (1) NATIVE SIMPSON STOPPER TREE: 100 SF

MB CATEGORY IIII @ 50 SF EA: - (10) COCONUT PALMS: 500 SF - (2) CABADA PALMS: 100 SF - (7) MONTGOMERY PALMS: 350 SF

> 08.26.2016 | Submittal 09.06.2016 | Submittal 2

LANDSCAPE NOTES + DETAILS

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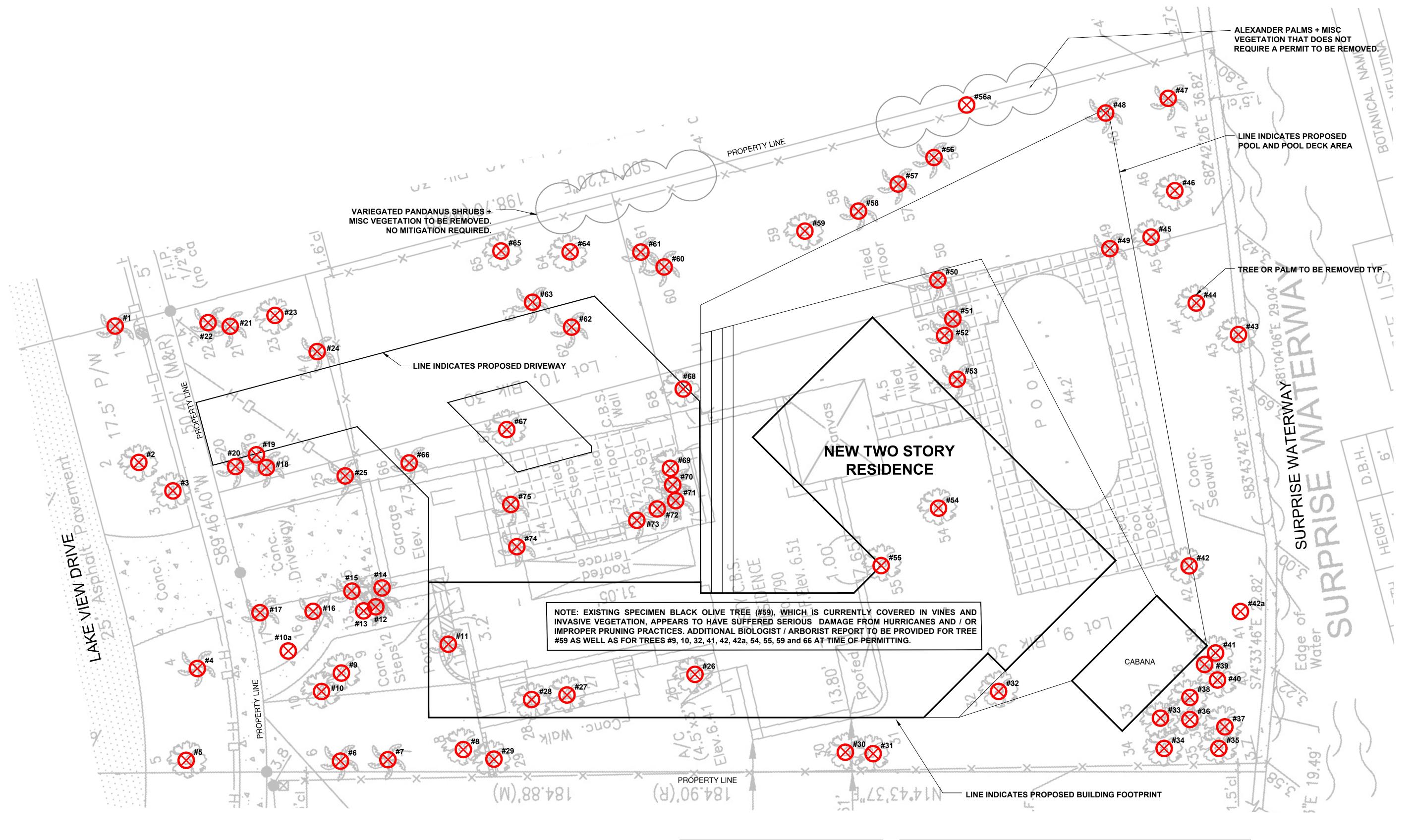
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TREE or PALM TO BE REMOVED.

C.M.B. TREE INVENTORY + DISPOSITION PLAN NOTES

- THIS 'EXISTING TREE INVENTORY + DISPOSITION PLAN' HAS BEEN PREPARED IN ACCORDANCE WITH THE CITY OF MIAMI BEACH, CHAPTER 46 - ENVIRONMENT, DIVISION 2, TREE PRESERVATION and PROTECTION ORDINANCE.
- EXISTING TREE, PALM, AND VEGETATION INFORMATION AS INDICATED HAS BEEN PREPARED AS AN OVERLAY ON THE SURVEY PREPARED BY AMERICAN SERVICES OF MIAMI CORP. DATED JULY 19,
- THE INFORMATION AS PRESENTED HEREIN HAS BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT ON AUGUST 23, 2016
- . MIAMI BEACH P+Z MUST APPROVE LANDSCAPE PLANS PRIOR TO REMOVING ANY TREES OR PALMS WITH A DBH BETWEEN 8" AND 12" INCHES. A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM CITY OF MIAMI BEACH GREENSPACE MANAGEMENT / P.W FOR THE REMOVAL OF TREES / PALMS WITH A DBH GREATER THAN 12" INCHES OR IN THE R.O.W.
- . THE OWNER RESERVES THE RIGHT TO REMOVE ANY VEGETATION NOT LOCATED WITHIN THE CITY R.O.W. w/ a D.B.H. OF LESS THAN 8" WITHOUT OBTAINING A TREE REMOVAL PERMIT.

\vdash				I			SPREAD (FT) CONDITION				CANOPY LOSS /	
L		COMMON NAME	BOTANICAL NAME		` '	HEIGHT (FT)				CANOPY AREA	CANOPY LOSS / MIT. REQ. (SF)	COMMENTS
	#1	Alexander Palm	Ptychosperma elegans	NO	+/- 3"	+/- 18'	+/- 6'	POOR	REMOVE	28 SF	28 SF	MITIGATION PROVIDED
_	#2	Umbrella Tree	Schefflera actinophylla	NO	+/- 9"	+/- 25'	+/- 12'	POOR	REMOVE	113 SF	113 SF	MITIGATION PROVIDED
	#3	Brazillian Pepper Tree	Schinus terebinthifolia	NO	+/- 7"	+/- 12'	+/- 8'	POOR	REMOVE	138 SF	0 SF	CATEGORY I INVASIVE SPECIES, NO MITIGATION REQUIRED
	#4	Coccothrinax species	Coccothrinax species	NO	+/- 3"	+/- 12'	+/- 5'	POOR	REMOVE	20 SF	20 SF	MITIGATION PROVIDED
	#5	Weeping Fig	Ficus benjamina	YES	+/- 18"	+/- 18'	+/- 20'	POOR	REMOVE	314 SF	314 SF	MITIGATION PROVIDED
	#6	Chinese Fan Palm	Livistona chinensis	YES	+/- 12"	+/- 20'	+/- 15'	POOR	REMOVE	177 SF	177 SF	MITIGATION PROVIDED
	#7	Areca Palm	Dypsis lutescens	NO	+/- 3"	+/- 15'	+/- 6'	POOR	REMOVE	28 SF	28 SF	MITIGATION PROVIDED
	#8	Screw Pine	Pandanus amaryllifolius	NO	+/- 8"	+/- 15'	+/- 8'	POOR	REMOVE	138 SF	138 SF	MITIGATION PROVIDED
	#9	Trumpet Tree	Tabebuia chrysotricha	NO	+/- 8"	+/- 12'	+/- 8'	POOR	REMOVE	138 SF	138 SF	MITIGATION PROVIDED
	#10	Trumpet Tree	Tabebuia chrysotricha	YES	+/- 12"	+/- 16'	+/- 8'	POOR	REMOVE	138 SF	138 SF	MITIGATION PROVIDED
	#10a	Ponytail Palm	Beaucarnea recurvata	NO	+/- 3"	+/- 8'	+/- 5'	POOR	REMOVE	20 SF	20 SF	MITIGATION PROVIDED
	#11	Alexander Palm	Ptychosperma elegans	NO	+/- 3"	+/- 12'	+/- 5'	POOR	REMOVE	20 SF	20 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDE
	#12	Coccothrinax species	Coccothrinax species	NO	+/- 3"	+/- 12'	+/- 5'	POOR	REMOVE	20 SF	20 SF	MITIGATION PROVIDED
	#13	Coccothrinax species	Coccothrinax species	NO	+/- 3"	+/- 12'	+/- 5'	POOR	REMOVE	20 SF	20 SF	MITIGATION PROVIDED
	#14	Coccothrinax species	Coccothrinax species	NO	+/- 3"	+/- 12'	+/- 5'	POOR	REMOVE	20 SF	20 SF	MITIGATION PROVIDED
	#15	Coccothrinax species	Coccothrinax species	NO	+/- 3"	+/- 12'	+/- 5'	POOR	REMOVE	20 SF	20 SF	MITIGATION PROVIDED
	#16	Thatch Palm	Coccothrinax Inaguensis	NO	+/- 3"	+/- 12'	+/- 6'	POOR	REMOVE	28 SF	28 SF	MITIGATION PROVIDED
	#17	Thatch Palm	Coccothrinax Inaguensis	NO	+/- 3"	+/- 12'	+/- 6'	POOR	REMOVE	28 SF	28 SF	MITIGATION PROVIDED
_	#18	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 18'	+/- 8'	POOR	REMOVE	138 SF	0 SF	CATEGORY I INVASIVE SPECIES, NO MITIGATION REQUIRED
	#19	Christmas Palm	Adonidia merrillii	NO	+/- 6"	+/- 12'	+/- 6'	POOR	REMOVE	28 SF	0 SF	CATEGORY I INVASIVE SPECIES, NO MITIGATION REQUIRED
_	#20	Christmas Palm	Adonidia merrillii	NO	+/- 3"	+/- 8'	+/- 6'	POOR	REMOVE	28 SF	0 SF	CATEGORY I INVASIVE SPECIES, NO MITIGATION REQUIRED
_	#21	Screw Pine	Pandanus amaryllifolius	NO	+/- 3"	+/- 25'	+/- 6'	POOR	REMOVE	28 SF	28 SF	MITIGATION PROVIDED
_	#22	Alexander Palm	Ptychosperma elegans	NO	+/- 3"	+/- 25'	+/- 6'	POOR	REMOVE	28 SF	28 SF	MITIGATION PROVIDED
_	#23	Dracaena	Dracaena marginata	NO	+/- 9"	+/- 30'	+/- 12'	POOR	REMOVE	0 SF	0 SF	NOT A TREE
	#24	Christmas Palm	Adonidia merrillii	NO	+/- 3"	+/- 12'	+/- 5'	POOR	REMOVE	20 SF	20 SF	MITIGATION PROVIDED
_	#25	Pygmy Date Palm		NO	+/- 4"	+/- 8'	+/- 3'	POOR	REMOVE	7 SF	7 SF	
_			Phoenix roebellini	NO	+/- 12"	+/- 30'	+/- 3	POOR		0 SF	0 SF	MITIGATION PROVIDED NOT A TREE
	#26		Same		+/- 12"		+/- 25'	POOR	REMOVE	491 SF	491 SF	
	#27	Black Sapote	Diospyros ebenaster	NO		+/- 30'			REMOVE			IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
	#28	Umbrella Tree	Schefflera actinophylla	NO	+/- 18"	+/- 25'	+/- 18'	POOR	REMOVE	254 SF	254 SF	MITIGATION PROVIDED
	#29	Umbrella Tree	Schefflera actinophylla	NO	+/- 8"	+/- 20'	+/- 20'	POOR	REMOVE	314 SF	314 SF	MITIGATION PROVIDED
	#30	Umbrella Tree	Schefflera actinophylla	NO	+/- 12"	+/- 25'	+/- 18'	POOR	REMOVE	254 SF	254 SF	MITIGATION PROVIDED
	#31	Umbrella Tree	Schefflera actinophylla	NO	+/- 30"	+/- 35'	+/- 20'	POOR	REMOVE	314 SF	314 SF	MITIGATION PROVIDED
	#32	Weeping Bottle Brush	Melaleuca viminalis	NO	+/- 14"	+/- 20'	+/- 20'	POOR	REMOVE	314 SF	314 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDE
	#33	Northfolk Island Pine	Araucaria heterophylla	NO	+/- 9"	+/- 40'	+/- 12'	POOR	REMOVE	113 SF	0 SF	NO PERMIT REQUIRED AS PER EXEMPTION LIST SECTION 49-9
	#34	Northfolk Island Pine	Araucaria heterophylla	NO	+/- 18"	+/- 60'	+/- 15'	POOR	REMOVE	177 SF	0 SF	NO PERMIT REQUIRED AS PER EXEMPTION LIST SECTION 49-9
	#35	Northfolk Island Pine	Araucaria heterophylla	NO	+/- 8"	+/- 35'	+/- 12'	POOR	REMOVE	113 SF	0 SF	NO PERMIT REQUIRED AS PER EXEMPTION LIST SECTION 49-9
	#36	Northfolk Island Pine	Araucaria heterophylla	NO	+/- 8"	+/- 35'	+/- 12'	POOR	REMOVE	113 SF	0 SF	NO PERMIT REQUIRED AS PER EXEMPTION LIST SECTION 49-9
	#37	Northfolk Island Pine	Araucaria heterophylla	NO	+/- 8"	+/- 35'	+/- 12'	POOR	REMOVE	113 SF	0 SF	NO PERMIT REQUIRED AS PER EXEMPTION LIST SECTION 49-9
	#38	Northfolk Island Pine	Araucaria heterophylla	NO	+/- 8"	+/- 35'	+/- 12'	POOR	REMOVE	113 SF	0 SF	NO PERMIT REQUIRED AS PER EXEMPTION LIST SECTION 49-9
	#39	Northfolk Island Pine	Araucaria heterophylla	NO	+/- 8"	+/- 35'	+/- 12'	POOR	REMOVE	113 SF	0 SF	NO PERMIT REQUIRED AS PER EXEMPTION LIST SECTION 49-9

#40	1		SPECIMEN	(,	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPUSITION	CANOPY AREA	MIT. REQ. (SF)	COMMENTS
# -1 0	Northfolk Island Pine	Araucaria heterophylla	NO	+/- 14"	+/- 60'	+/- 12'	POOR	REMOVE	113 SF	0 SF	NO PERMIT REQUIRED AS PER EXEMPTION LIST SECTION 49-9
#41	Black Olive	Bucida buceras	NO	+/- 9"	+/- 25'	+/- 15'	POOR	REMOVE	177 SF	177 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#42	Black Olive	Bucida buceras	YES	+/- 30"	+/- 60'	+/- 40'	POOR	REMOVE	1256 SF	1256 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#42a	Black Olive	Bucida buceras	NO	+/- 9"	+/- 15'	+/- 15'	POOR	REMOVE	177 SF	177 SF	MITIGATION PROVIDED
#43	Umbrella Tree	Schefflera actinophylla	NO	+/- 24"	+/- 25'	+/- 20'	POOR	REMOVE	314 SF	314 SF	MITIGATION PROVIDED
#44	Umbrella Tree	Schefflera actinophylla	NO	+/- 3"	+/- 25'	+/- 12'	POOR	REMOVE	113 SF	113 SF	MITIGATION PROVIDED
#45	Pine Cactus	Dracaena marginata	NO	+/- 18"	+/- 12'	+/- 25'	POOR	REMOVE	491 SF	491 SF	MITIGATION PROVIDED
#46	Black Olive	Bucida buceras	NO	+/- 3"	+/- 6'	+/- 6'	POOR	REMOVE	28 SF	28 SF	MITIGATION PROVIDED
#47	Coconut Palm	Cocos nucifera	YES	+/- 14"	+/- 30'	+/- 25'	POOR	REMOVE	491 SF	491 SF	MITIGATION PROVIDED
#48	Coconut Palm	Cocos nucifera	NO	+/- 7"	+/- 25'	+/- 8'	POOR	REMOVE	138 SF	138 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#49	Montgomery Palm	Veitchia montgomeryana	NO	+/- 7"	+/- 25'	+/- 8'	POOR	REMOVE	138 SF	138 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#50	Montgomery Palm	Veitchia montgomeryana	NO	+/- 6"	+/- 25'	+/- 6'	POOR	REMOVE	28 SF	28 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#51	Montgomery Palm	Veitchia montgomeryana	NO	+/- 6"	+/- 25'	+/- 6'	POOR	REMOVE	28 SF	28 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#52	Montgomery Palm	Veitchia montgomeryana	NO	+/- 6"	+/- 25'	+/- 6'	POOR	REMOVE	28 SF	28 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#53	Coconut Palm	Cocos nucifera	NO	+/- 9"	+/- 10'	+/- 12'	POOR	REMOVE	113 SF	113 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#54	Weeping Bottle Brush	Melaleuca viminalis	YES	+/- 14"	+/- 10'	+/- 15'	POOR	REMOVE	177 SF	177 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#55	Weeping Bottle Brush	Melaleuca viminalis	YES	+/- 14"	+/- 10'	+/- 15'	POOR	REMOVE	177 SF	177 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#56	Montgomery Palm	Veitchia montgomeryana	NO	+/- 3"	+/- 30'	+/- 6'	POOR	REMOVE	28 SF	28 SF	MITIGATION PROVIDED
#56a	Alexander Palms	Ptychosperma elegans	NO	+/- 3"	+/- 20'	+/- 15'	POOR	REMOVE	177 SF	177 SF	MITIGATION PROVIDED
#57	Montgomery Palm	Veitchia montgomeryana	NO	+/- 3"	+/- 30'	+/- 8'	POOR	REMOVE	138 SF	138 SF	MITIGATION PROVIDED
#58	Montgomery Palm	Veitchia montgomeryana	NO	+/- 3"	+/- 30'	+/- 8'	POOR	REMOVE	138 SF	138 SF	MITIGATION PROVIDED
#59	Black Olive	Bucida buceras	YES	+/- 36"	+/- 60'	+/- 60'	POOR	REMOVE	2826 SF	2826 SF	MITIGATION PROVIDED
#60	Coconut Palm	Cocos nucifera	NO	+/- 8"	+/- 25'	+/- 20'	POOR	REMOVE	314 SF	314 SF	MITIGATION PROVIDED
#61	Coconut Palm	Cocos nucifera	NO	+/- 8"	+/- 25'	+/- 20'	POOR	REMOVE	314 SF	314 SF	MITIGATION PROVIDED
#62	Coconut Palm	Cocos nucifera	NO	+/- 8"	+/- 25'	+/- 20'	POOR	REMOVE	314 SF	314 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#63	Coconut Palm	Cocos nucifera	NO	+/- 7"	+/- 12'	+/- 6'	POOR	REMOVE	28 SF	28 SF	MITIGATION PROVIDED
#64	Screw Pine	Pandanus amaryllifolius	NO	+/- 7"	+/- 18'	+/- 12'	POOR	REMOVE	0 SF	0 SF	NOT A TREE
#65	Screw Pine	Pandanus amaryllifolius	NO	+/- 7"	+/- 18'	+/- 12'	POOR	REMOVE	0 SF	0 SF	NOT A TREE
#66	Loquat	Eriobotrya japonica	NO	+/- 8"	+/- 30'	+/- 15'	POOR	REMOVE	177 SF	177 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#67	Southern Wax Privet	Ligustrum japonicum	YES	+/- 12"	+/- 15'	+/- 8'	POOR	REMOVE	138 SF	138 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#68	Umbrella Tree	Schefflera actinophylla	NO	+/- 7"	+/- 15'	+/- 8'	POOR	REMOVE	138 SF	138 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#69	Dracaena	Dracaena marginata	NO	+/- 18"	+/- 30'	+/- 18'	POOR	REMOVE	0 SF	0 SF	NOT A TREE
#70	Montgomery Palm	Veitchia montgomeryana	NO	+/- 4"	+/- 25'	+/- 5'	POOR	REMOVE	20 SF	20 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#71	Montgomery Palm	Veitchia montgomeryana	NO	+/- 4"	+/- 25'	+/- 6'	POOR	REMOVE	28 SF	28 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#72	Montgomery Palm	Veitchia montgomeryana	NO	+/- 4"	+/- 25'	+/- 6'	POOR	REMOVE	28 SF	28 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#73	Macarthur Palm	Ptychosperma macarthu	NO	+/- 3"	+/- 8'	+/- 5'	POOR	REMOVE	20 SF	20 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#74	Macarthur Palm	Ptychosperma macarthu	YES	+/- 16"	+/- 25'	+/- 8'	POOR	REMOVE	138 SF	138 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#75	Macarthur Palm	Ptychosperma macarthu	NO	+/- 3"	+/- 25'	+/- 8'	POOR	REMOVE	138 SF	138 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
	#44 #45 #46 #47 #48 #49 #50 #51 #52 #53 #54 #55 #56 #56 #56a #57 #58 #60 #61 #62 #63 #64 #65 #66 #67 #68 #69 #70 #71 #72 #73 #74	#44 Umbrella Tree #45 Pine Cactus #46 Black Olive #47 Coconut Palm #48 Coconut Palm #49 Montgomery Palm #50 Montgomery Palm #51 Montgomery Palm #52 Montgomery Palm #53 Coconut Palm #54 Weeping Bottle Brush #55 Weeping Bottle Brush #56 Montgomery Palm #57 Montgomery Palm #58 Montgomery Palm #59 Black Olive #60 Coconut Palm #61 Coconut Palm #62 Coconut Palm #63 Coconut Palm #64 Screw Pine #65 Screw Pine #66 Loquat #67 Southern Wax Privet #68 Umbrella Tree #69 Dracaena #70 Montgomery Palm #71 Montgomery Palm #72 Montgomery Palm #73 Macarthur Palm #74 Macarthur Palm	#44 Umbrella Tree Schefflera actinophylla #45 Pine Cactus Dracaena marginata #46 Black Olive Bucida buceras #47 Coconut Palm Cocos nucifera #48 Coconut Palm Veitchia montgomeryana #50 Montgomery Palm Veitchia montgomeryana #51 Montgomery Palm Veitchia montgomeryana #52 Montgomery Palm Veitchia montgomeryana #53 Coconut Palm Cocos nucifera #54 Weeping Bottle Brush Melaleuca viminalis #55 Weeping Bottle Brush Melaleuca viminalis #56 Montgomery Palm Veitchia montgomeryana #57 Montgomery Palm Veitchia montgomeryana #58 Alexander Palms Ptychosperma elegans #59 Black Olive Bucida buceras #60 Coconut Palm Cocos nucifera #61 Coconut Palm Cocos nucifera #62 Coconut Palm Cocos nucifera #63 Coconut Palm Cocos nucifera #64 Screw Pine Pandanus amaryllifolius #65 Screw Pine Pandanus amaryllifolius #66 Loquat Eriobotrya japonica #67 Southern Wax Privet Ligustrum japonicum #68 Umbrella Tree Schefflera actinophylla #69 Dracaena Dracaena marginata #70 Montgomery Palm Veitchia montgomeryana #71 Montgomery Palm Veitchia montgomeryana #72 Montgomery Palm Veitchia montgomeryana #73 Macarthur Palm Veitchia montgomeryana #74 Macarthur Palm Ptychosperma macarthu	#44 Umbrella Tree Schefflera actinophylla NO #45 Pine Cactus Dracaena marginata NO #46 Black Olive Bucida buceras NO #47 Coconut Palm Cocos nucifera YES #48 Coconut Palm Cocos nucifera NO #49 Montgomery Palm Veitchia montgomeryana NO #50 Montgomery Palm Veitchia montgomeryana NO #51 Montgomery Palm Veitchia montgomeryana NO #52 Montgomery Palm Veitchia montgomeryana NO #53 Coconut Palm Cocos nucifera NO #54 Weeping Bottle Brush Melaleuca viminalis YES #55 Weeping Bottle Brush Melaleuca viminalis YES #56 Montgomery Palm Veitchia montgomeryana NO #58a Alexander Palms Ptychosperma elegans NO #58 Montgomery Palm Veitchia montgomeryana NO #58 Montgomery Palm Veitchia montgomeryana NO #58 Montgomery Palm Veitchia montgomeryana NO #59 Black Olive Bucida buceras YES #60 Coconut Palm Cocos nucifera NO #61 Coconut Palm Cocos nucifera NO #62 Coconut Palm Cocos nucifera NO #63 Coconut Palm Cocos nucifera NO #64 Screw Pine Pandanus amaryllifolius NO #65 Screw Pine Pandanus amaryllifolius NO #66 Loquat Eriobotrya japonica NO #67 Southern Wax Privet Ligustrum japonicum YES #68 Umbrella Tree Schefflera actinophylla NO #69 Dracaena Dracaena marginata NO #70 Montgomery Palm Veitchia montgomeryana NO #71 Montgomery Palm Veitchia montgomeryana NO #72 Montgomery Palm Veitchia montgomeryana NO #73 Macarthur Palm Ptychosperma macarthu NO #74 Macarthur Palm Ptychosperma macarthu NO #75 Macarthur Palm Ptychosperma macarthu NO #76 Macarthur Palm Ptychosperma macarthu NO #77 Montgomery Palm Veitchia montgomeryana NO #78 Macarthur Palm Ptychosperma macarthu NO #79 Montgomery Palm Veitchia montgomeryana NO #70 Montgomery Palm Ptychosperma macarthu NO #71 Montgomery Palm Ptychosperma macarthu NO #72 Montgomery Palm Ptychosperma macarthu NO #73 Macarthur Palm Ptychosperma macarthu YES	#44 Umbrella Tree Schefflera actinophylla NO +/- 3" #45 Pine Cactus Dracaena marginata NO +/- 18" #46 Black Olive Bucida buceras NO +/- 3" #47 Coconut Palm Cocos nucifera YES +/- 14" #48 Coconut Palm Veitchia montgomeryana NO +/- 7" #49 Montgomery Palm Veitchia montgomeryana NO +/- 6" #50 Montgomery Palm Veitchia montgomeryana NO +/- 6" #51 Montgomery Palm Veitchia montgomeryana NO +/- 6" #52 Montgomery Palm Veitchia montgomeryana NO +/- 6" #53 Coconut Palm Cocos nucifera NO +/- 6" #54 Weeping Bottle Brush Melaleuca viminalis YES +/- 14" #55 Weeping Bottle Brush Melaleuca viminalis YES +/- 14" #56 Montgomery Palm Veitchia montgomeryana NO +/- 3" #57 Montgomery Palm Veitchia montgomeryana NO +/- 3" #58 Montgomery Palm Veitchia montgomeryana NO +/- 3" #59 Black Olive Ptychosperma elegans NO +/- 3" #59 Black Olive Bucida buceras YES +/- 16" #60 Coconut Palm Cocos nucifera NO +/- 8" #61 Coconut Palm Cocos nucifera NO +/- 8" #62 Coconut Palm Cocos nucifera NO +/- 8" #63 Coconut Palm Cocos nucifera NO +/- 8" #64 Screw Pine Pandanus amaryllifolius NO +/- 7" #65 Screw Pine Pandanus amaryllifolius NO +/- 7" #66 Loquat Eriobotrya japonica NO +/- 8" #67 Southern Wax Privet Ligustrum japonicum YES +/- 12" #68 Umbrella Tree Schefflera actinophylla NO +/- 7" #69 Dracaena Dracaena marginata NO +/- 4" #67 Montgomery Palm Veitchia montgomeryana NO +/- 8" #68 Umbrella Tree Schefflera actinophylla NO +/- 7" #68 Umbrella Tree Schefflera actinophylla NO +/- 8" #69 Dracaena Dracaena marginata NO +/- 8" #60 Montgomery Palm Veitchia montgomeryana NO +/- 8" #61 Montgomery Palm Veitchia montgomeryana NO +/- 8" #62 Montgomery Palm Veitchia montgomeryana NO +/- 8" #63 Montgomery Palm Veitchia montgomeryana NO +/- 8" #64 Montgomery Palm Veitchia montgomeryana NO +/- 8" #65 Montgomery Palm Veitchia montgomeryana NO +/- 8" #67 Montgomery Palm Veitchia montgomeryana NO +/- 8" #68 Umbrella Tree Schefflera actinophylla NO +/- 4" #69 Montgomery Palm Veitchia montgomeryana NO +/- 4" #67 Montgomery Palm Veitchia montgomeryana NO +/- 4" #67 Montgom	##44 Umbrella Tree Schefflera actinophylla NO +/- 3" +/- 25' ##45 Pine Cactus Dracaena marginata NO +/- 18" +/- 12' ##46 Black Olive Bucida buceras NO +/- 18" +/- 12' ##47 Coconut Palim Cocos nucifera YES +/- 14" +/- 25' ##48 Coconut Palim Cocos nucifera NO +/- 7" +/- 25' ##49 Montgomery Palm Veitchia montgomeryana NO +/- 6" +/- 25' ##50 Montgomery Palm Veitchia montgomeryana NO +/- 6" +/- 25' ##51 Montgomery Palm Veitchia montgomeryana NO +/- 6" +/- 25' ##52 Montgomery Palm Veitchia montgomeryana NO +/- 6" +/- 25' ##53 Coconut Palm Cocos nucifera NO +/- 6" +/- 25' ##54 Weeping Bottle Brush Melaleuca viminalis YES +/- 14" +/- 10' ##55 Weeping Bottle Brush Melaleuca viminalis YES +/- 14" +/- 10' ##56 Montgomery Palm Veitchia montgomeryana NO +/- 3" +/- 30' ##58 Alexander Palms Ptychosperma elegans NO +/- 3" +/- 30' ##59 Black Olive Bucida buceras YES +/- 36" +/- 60' ##60 Coconut Palm Cocos nucifera NO +/- 8" +/- 25' ##61 Coconut Palm Cocos nucifera NO +/- 8" +/- 20' ##63 Coconut Palm Cocos nucifera NO +/- 8" +/- 20' ##63 Coconut Palm Cocos nucifera NO +/- 8" +/- 20' ##64 Screw Pine Pandanus amarylifolius NO +/- 8" +/- 25' ##63 Coconut Palm Cocos nucifera NO +/- 8" +/- 25' ##63 Coconut Palm Cocos nucifera NO +/- 8" +/- 25' ##64 Screw Pine Pandanus amarylifolius NO +/- 7" +/- 12' ##65 Screw Pine Pandanus amarylifolius NO +/- 7" +/- 12' ##65 Screw Pine Pandanus amarylifolius NO +/- 7" +/- 18' ##66 Loquat Eriobotrya japonica NO +/- 8" +/- 18' ##67 Southern Wax Privet Ligustrum japonicum YES +/- 12" +/- 15' ##68 Umbrella Tree Schefflera actinophylla NO +/- 4" +/- 15' ##69 Dracaena Dracaena marginata NO +/- 4" +/- 25' ##60 Montgomery Palm Veitchia montgomeryana NO +/- 4" +/- 15' ##61 Montgomery Palm Veitchia montgomeryana NO +/- 4" +/- 15' ##62 Montgomery Palm Veitchia montgomeryana NO +/- 4" +/- 15' ##63 Umbrella Tree Schefflera actinophylla NO +/- 4" +/- 15' ##69 Dracaena Dracaena marginata NO +/- 4" +/- 25' ##70 Montgomery Palm Veitchia montgomeryana NO +/- 4" +/- 15' ##71 Montgomery Palm Veitchia montgomeryana NO	### Umbrella Tree Schefflera actinophylla NO	##4 Umbrella Tree Schefflera actinophylla NO	### Umbrella Tree Schefflera actinophylia NO ##-5" ##-25" ##-12" POOR REMOVE ### Pinc Cactus Draceans marginata NO ##-18" ##-12" ##-25" POOR REMOVE ### Pinc Cactus Draceans marginata NO ##-18" ##-12" ##-25" POOR REMOVE ###	Mat	Marcella Tree Schelltera actinophylia NO +1-3° +1-25° +1-12° POOR REMOVE 113 SF 143 SF

- * REQUIRES APPROVAL FROM MIAMI BEACH PLANNING + ZONING
- ** REQUIRES PERMIT FROM MIAMI BEACH PLANNING + ZONING
- + ARBORIST REPORT TO BE PROVIDED AT TIME OF PERMITTING

C.M.B. CHAPTER 46, DIVISION 2 - TREE INVENTORY + DISPOSITION PLAN 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 and PROTECTION ORDINANCE.
- 2. EXISTING TREE, PALM, AND VEGETATION INFORMATION AS INDICATED HAS BEEN PREPARED AS AN OVERLAY ON THE SURVEY PREPARED BY AMERICAN SERVICES OF MIAMI CORP. DATED JULY 19, 2016.
- 3. THE INFORMATION AS PRESENTED HEREIN HAS BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT ON AUGUST 23, 2016
- 4. MIAMI BEACH P+Z MUST APPROVE LANDSCAPE PLANS PRIOR TO REMOVING ANY TREES OR PALMS WITH A DBH BETWEEN 8" AND 12" INCHES. A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM CITY OF MIAMI BEACH GREENSPACE MANAGEMENT / P.W FOR THE REMOVAL OF TREES / PALMS WITH A DBH GREATER THAN 12" INCHES OR IN THE R.O.W.
- 5. THE OWNER RESERVES THE RIGHT TO REMOVE ANY VEGETATION NOT LOCATED WITHIN THE CITY R.O.W. w/ a D.B.H. OF LESS THAN 8" WITHOUT OBTAINING A TREE REMOVAL

C.M.B. CANOPY MITIGATION NOTES

THE CANOPY MITIGATION OF 9,463 SF AS REQUIRED BY THE CITY OF MIAMI BEACH, CHAPTER 46 - ENVIRONMENT, DIVISION 2, TREE PRESERVATION and PROTECTION ORDINANCE HAS BEEN MET AND EXCEEDED. A TOTAL 20,200 SF OF CANOPY HAS BEEN PROVIDED.

CANOPY MITIGATION SUMMARY

MB CATEGORY I @ 300 SF EA: - (5) NATIVE GUMBO LIMBO TREES: 1500 SF - (1) NATIVE ROYAL POINCIANA TREE: 300 SF

- (8) NATIVE BALD CYPRESS TREES: 2400 SF

MB CATEGORY II @ 150 SF EA:

- (3) NATIVE PIGEON PLUM TREES: 450 SF - (2) NATIVE SILVER BUTTONWOOD TREES: 300 SF

MB CATEGORY III @ 100 SF EA: - (142) NATIVE SPANISH STOPPER TREES: 14,200 SF

- (1) NATIVE SIMPSON STOPPER TREE: 100 SF

MB CATEGORY IIII @ 50 SF EA: - (10) COCONUT PALMS: 500 SF - (2) CABADA PALMS: 100 SF

- (7) MONTGOMERY PALMS: 350 SF

08.26.2016 | Submittal 1 09.06.2016 | Submittal 2

SHEET NO.

Biscayne Environmental, Inc.

Environmental and Land Development Consultants • Mitigation Design and Contracting

September 7, 2016

Via email

Christopher Cawley, RLA 780 NE 69th Street Miami, FL 33138

RE: 790 Lakeview Drive, Miami Beach Evaluation of Existing Tree Resources BEI Project No. 2016-26

Dear Mr. Cawley,

Pursuant to your request and authorization, I conducted a field inspection of the subject property on September 6, 2016. The purpose of the inspection was to evaluate the existing tree resources to determine whether any of the existing trees are significant and warrant preservation or on-site relocation. The findings from the inspection follow.

The on-site inspection revealed that the existing trees on the property are predominately non-native ornamental trees that were planted as landscape material in the yard area of the house and adjoining public Right-of-Way. Trees observed in the Right-of-Way include Ficus benjamina, yellow elder, umbrella tree and thatch palm (see Photos 1 & 2). Trees noted in the front yard include yellow tabebuia, Christmas palm, Chinese fan palm, pygmy date palm, ponytail palm, bamboo palm and numerous thatch palms (see Photos 3 & 4). Trees in the west side yard include umbrella tree, pandanus, tamarind, an unidentified tropical fruit tree, and mahoe, while a stand of pandanus occurs in the east side yard along with coconut palms, Alexander palms, and a large black olive. The backyard includes a stand of Norfolk Island pines, seaside hibiscus (Thespesia populnea), pencil tree (a cactus), and a large black olive.

The majority of the trees are less than 8" DBH, and are exempt from having to obtain permits or approval for removal, although the two black olives exceed 12" DBH and are therefore considered specimen trees requiring a permit for removal. The large umbrella trees, seaside hibiscus, mahoe and Norfolk Island pines are prohibited species and are exempt from having to obtain permits.

Many of the trees on the property are in poor condition due to previous storm damage and lack of maintenance. In particular, both of the large black olives are in poor condition; the black olive in the back yard next to the seawall has a number of decaying canopy branches and also appears to have lightening damage, and the black olive in the side yard has 3 co-dominant main trunks at breast height and also has decaying canopy branches and was covered with pothos vine at the time of the inspection (see Photos 6-10). The stand of pandanus in the east side yard is in fairly good condition and has a well-

1761 Cleveland Road ♦ Miami Beach, Florida 33141 ♦ Telephone 305-710.2359 ♦ Email biscayneinc@bellsouth.net

Christopher Cawley

developed adventitious root system which is aesthetically pleasing (see Photo 11). The thatch palms in the front yard and court yard are in good condition and could easily be transplanted or relocated on site (see Photo 3).

Based on the above findings, the only trees present on the property which are worth incorporating into the landscape plan for the proposed house are the thatch palms and pandanus cluster along the east property line. Since the pandanus cluster is growing along the east property line it should not be in conflict with new construction and could be preserved in place. Since it is likely that the thatch palms will be in conflict with new construction, it is recommended that they be relocated to the setback area of the west property line where they should not be in conflict with new construction. The remainder of the trees on site are either in poor condition or are exempt or prohibited trees and should be removed after a permit has been obtained from the City of Miami Beach.

Please contact me if you have any questions regarding the findings in this report.

Sincerely, BISCAYNE ENVIRONMENTAL, INC.

David Ettman, Senior Biologist President

DE/ cs

Attachment

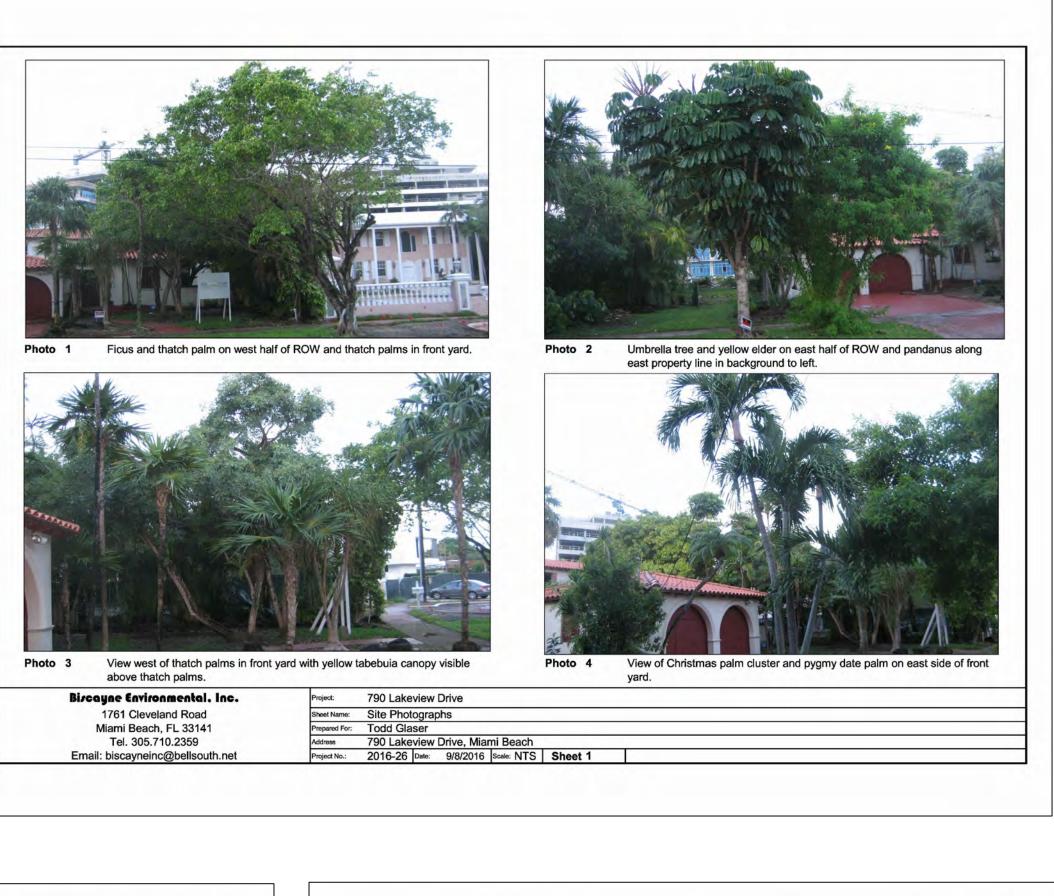
Todd Glaser Robert Moehring

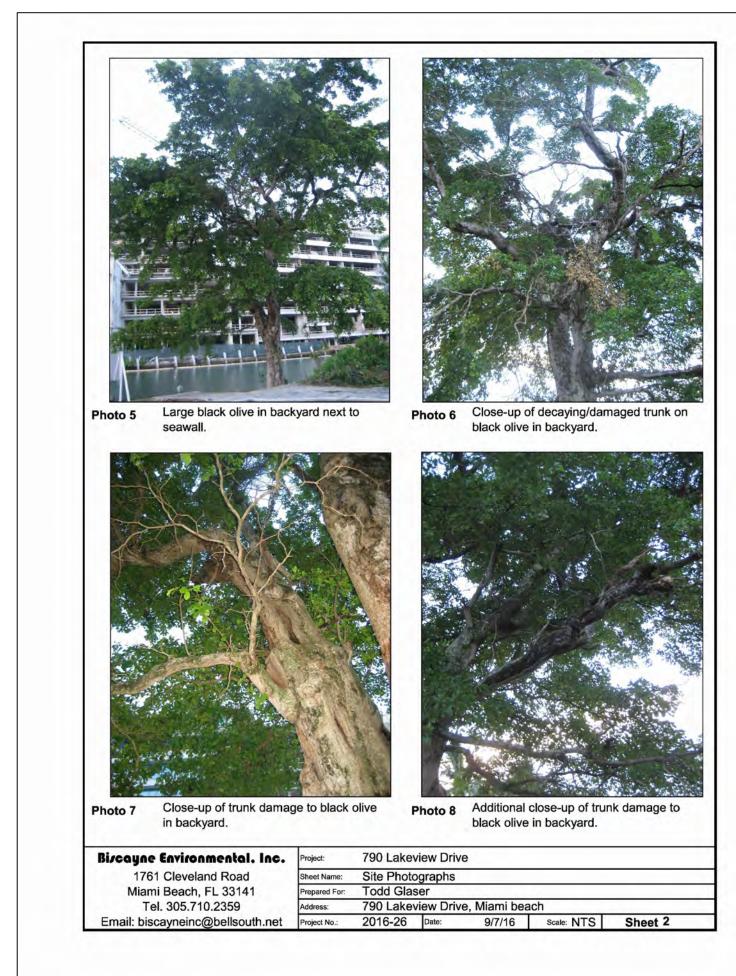
SHEET NO.

L-2c









Black olive in east side yard covered with pothos vine.

Photo 10 Close-up pf pothos vine covering black olive in east side yard.

Photo 11 Pandonus cluster growing along east property line. Note adventitious root mass.

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