



CHRISTOPHER CAWLEY  
LANDSCAPE ARCHITECTURE LLC  
780 NE 69TH STREET  
SUITE 1106 MIAMI, FL 33138  
O 786.534.5327  
C 305.979.1585  
CHRISTOPHERCAWLEY.COM  
Florida Landscape  
Architecture Business LC  
26000460

REVISION SCHEDULE  
FIRST CAP SUBMITTAL 11.19.18  
FINAL CAP SUBMITTAL 12.10.18

SHEET TITLE:  
**COVER +  
SHEET INDEX**

790 LAKEVIEW DRIVE  
MIAMI BEACH, FL 33140



NEW RESIDENCE | 790 LAKEVIEW DRIVE | MIAMI BEACH, FLORIDA

CLIENT / PROPERTY INFORMATION

PROPERTY ADDRESS  
790 LAKEVIEW DRIVE  
MIAMI BEACH, FL 33140

EXISTING VEGETATION SUMMARY

The existing vegetation located on the property is composed of (2) large Black Olive trees, Coconut palms, and a variety of other smaller trees, palms, and shrubs. The majority of the vegetation, including the Black Olives trees, will be removed due to poor condition and conflicts with the proposed design. However, (1) Screw Pine, (1) Coconut Palm, and (1) Christmas Palm will remain. Mitigation and permits will be provided as per the C.M.B. Tree Preservation and Protection Ordinance.

SCOPE OF WORK

- Preservation of existing vegetation and landscape
- New landscape design to complement the new residence

INDEX OF SHEETS

- L0 Cover + Sheet Index
- L1 Existing Tree + Palm Survey
- L1a Existing Tree + Palm Details + Disposition Plan
- L2 Arborist Report
- L3 Landscape Plan
- L3a Landscape Notes + Details

CHRISTOPHER CAWLEY, RLA  
Florida License LA 666786

SCALE + NORTH ARROW:

DATE:  
NOVEMBER 19, 2018  
SHEET NO:

L-0



**REVISION SCHEDULE**

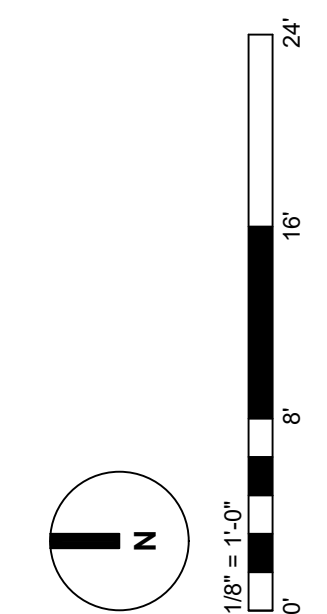
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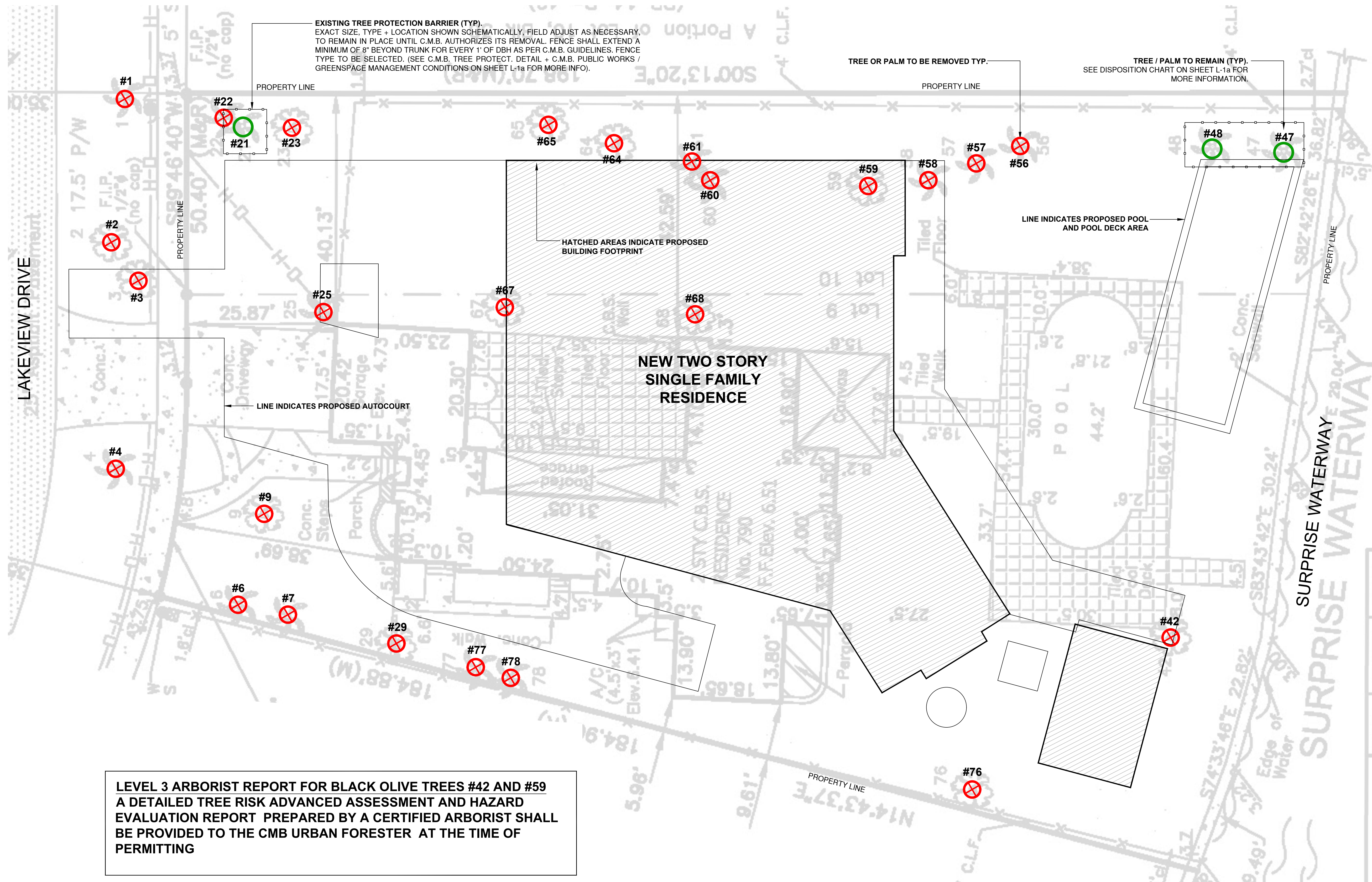
**790 LAKEVIEW DRIVE**  
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**C.M.B. EXISTING TREE SURVEY LEGEND**

	TREE or PALM TO BE REMOVED		TREE or PALM TO REMAIN. PRESERVE + PROTECT		TREE or PALM PROTECTION FENCE
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EXISTING  
TREE + PALM  
DETAILS +  
DISPOSITION  
PLAN

790 LAKEVIEW DRIVE  
MIAMI BEACH, FL 33140

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

1. 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 CERTIFIED 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 ACTIVITIES 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.

C.M.B. 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 NOVEMBER 14, 2018.
3. THE INFORMATION AS PRESENTED HEREIN HAS BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT ON NOVEMBER 14, 2018
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 PERMIT.

C.M.B. CANOPY MITIGATION NOTES

THE CANOPY MITIGATION OF 10,333 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 13,600 SF OF CANOPY HAS BEEN PROVIDED.

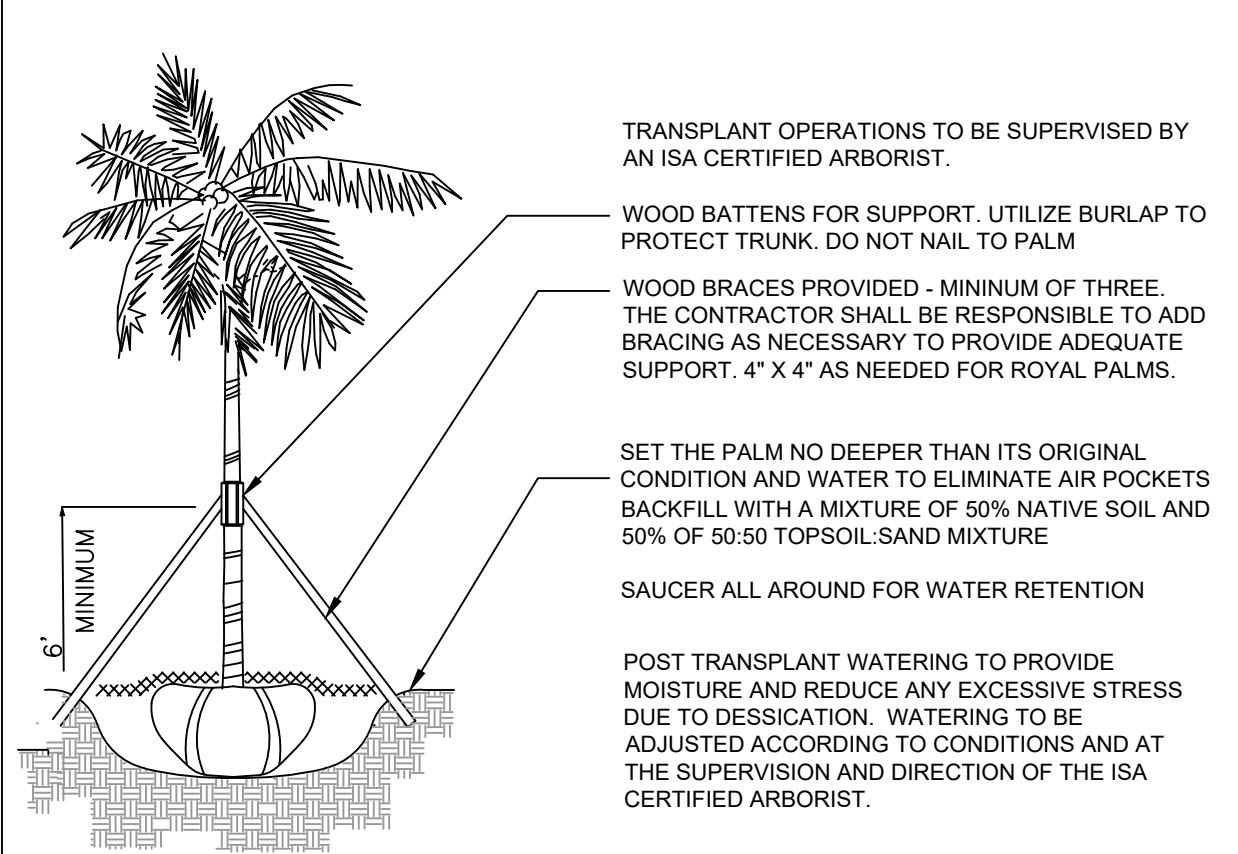
CANOPY MITIGATION SUMMARY

MB CATEGORY I @ 300 SF EA:  
- (7) NATIVE GUMBO LIMBO TREES: 2100 SF  
- (7) NATIVE GREEN BUTTONWOOD TREE: 2100 SF  
- (2) NATIVE SEA GRAPE TREES: 600 SF  
- (1) STRANGLER FIG TREE: 300 SF  
- (24) BAY RUM TREES: 7200 SF

MB CATEGORY II @ 150 SF EA:  
- (2) FANGIPANI TREES: 300 SF

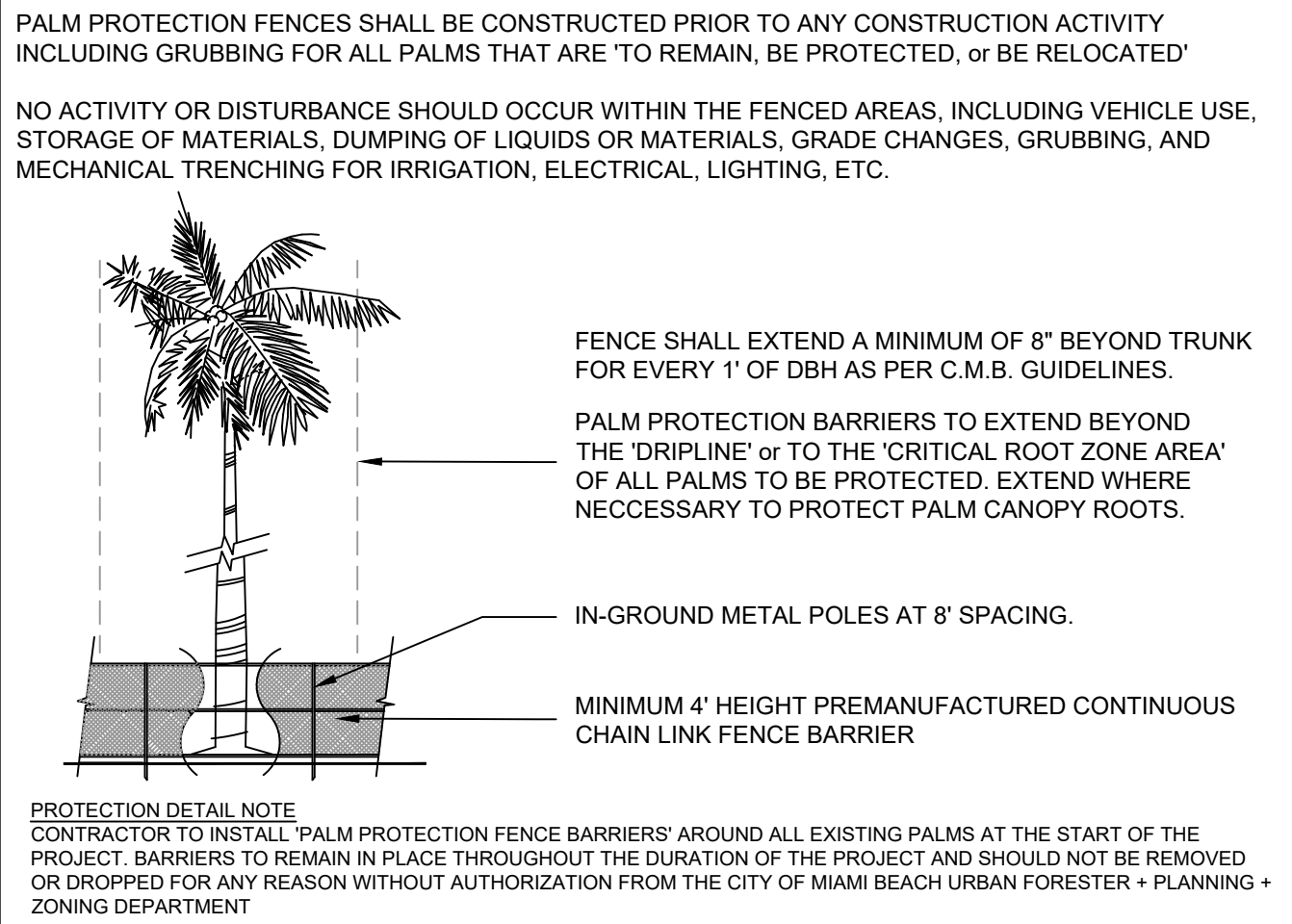
MB CATEGORY III @ 100 SF EA:  
- (6) NATIVE SIMPSONS STOPPER TREES: 600 SF

MB CATEGORY IIII @ 50 SF EA:  
- (8) COCONUT PALMS: 400 SF



C.M.B. PALM TRANSPLANT DETAIL

N.T.S.



C.M.B. PALM + TREE PROTECTION DETAIL (CHAINLINK)

N.T.S.

C.M.B. EXISTING TREE INVENTORY + DISPOSITION CHART - 790 LAKE VIEW DRIVE

NUMBER	COMMON NAME	BOTANICAL NAME	SPECIMEN	D.B.H. (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	CANOPY AREA	CANOPY LOSS / MIT. REQ. (SQ)	COMMENTS
#1	Alexander Palm	Ptychosperma elegans	NO	+/- 3"	+/- 18'	+/- 6'	POOR	REMOVE	28 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#2	Umbrella Tree	Schefflera actinophylla	NO	+/- 9"	+/- 25'	+/- 12'	POOR	REMOVE	113 SF	0 SF	INVASIVE SPECIES / NO MITIGATION REQUIRED
#3	Brazilian 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	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#6	Chinese Fan Palm	Livistona chinensis	YES	+/- 12"	+/- 20'	+/- 15'	FAIR	REMOVE	177 SF	354 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#7	Areca Palm	Dyopsis lutescens	NO	+/- 3"	+/- 15'	+/- 6'	POOR	REMOVE	28 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#9	Trumpet Tree	Tabebuia chrysotricha	NO	+/- 8"	+/- 12'	+/- 8'	POOR	REMOVE	138 SF	138 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#21	Screw Pine	Pandanus amaryllifolius	NO	+/- 3"	+/- 25'	+/- 6'	GOOD	REMAIN	28 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION
#22	Alexander Palm	Ptychosperma elegans	NO	+/- 3"	+/- 25'	+/- 6'	POOR	REMOVE	28 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#23	Dracaena	Dracaena marginata	NO	+/- 9"	+/- 30'	+/- 12'	POOR	REMOVE	20 SF	20 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#25	Pygmy Date Palm	Phoenix roebellinii	NO	+/- 4"	+/- 8'	+/- 3'	POOR	REMOVE	7 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#26	Invasive Unknown Weed Tree	Same	YES	+/- 12"	+/- 30'	+/- 25'	POOR	REMOVE	0 SF	0 SF	NOT A TREE / NO PERMIT REQUIRED
#27	Black Sapote	Diospyros ebenaster	NO					NOT THERE	0 SF	0 SF	NOT ON SITE / MISTAKE
#28	Umbrella Tree	Schefflera actinophylla	YES	+/- 18"	+/- 25'	+/- 18'	POOR	REMOVE	254 SF	0 SF	INVASIVE SPECIES / NO MITIGATION REQUIRED
#29	Umbrella Tree	Schefflera actinophylla	NO	+/- 8"	+/- 20'	+/- 20'	POOR	REMOVE	314 SF	0 SF	INVASIVE SPECIES / NO MITIGATION REQUIRED
* #42	Black Olive	Bucida buceras	YES	+/- 30"	+/- 60'	+/- 40'	POOR	REMOVE	1256 SF	2512 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#47	Coconut Palm	Cocos nucifera	YES	+/- 14"	+/- 30'	+/- 25'	FAIR	REMOVE	491 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION
#48	Christmas Palm	Adonidia merrillii	NO	+/- 7"	+/- 25'	+/- 8'	FAIR	REMOVE	138 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION
#56	Montgomery Palm	Veitchia montgomeryana	NO	+/- 3"	+/- 30'	+/- 6'	POOR	REMOVE	28 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#56a	Alexander Palms	Ptychosperma elegans	NO	+/- 3"	+/- 20'	+/- 15'	FAIR	REMOVE	177 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#57	Montgomery Palm	Veitchia montgomeryana	NO	+/- 3"	+/- 30'	+/- 8'	POOR	REMOVE	138 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#58	Montgomery Palm	Veitchia montgomeryana	NO	+/- 3"	+/- 30'	+/- 8'	POOR	REMOVE	138 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
* #59	Black Olive	Bucida buceras	YES	+/- 36"	+/- 60'	+/- 60'	POOR	REMOVE	2826 SF	5652 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#60	Coconut Palm	Cocos nucifera	NO	+/- 8"	+/- 25'	+/- 20'	FAIR	REMOVE	314 SF	314 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#61	Coconut Palm	Cocos nucifera	NO	+/- 8"	+/- 25'	+/- 20'	FAIR	REMOVE	314 SF	314 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#64	Screw Pine	Pandanus amaryllifolius	NO	+/- 7"	+/- 18'	+/- 12'	FAIR	REMOVE	113 SF	113 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#65	Screw Pine	Pandanus amaryllifolius	NO	+/- 7"	+/- 18'	+/- 12'	FAIR	REMOVE	113 SF	113 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#67	Southern Wax Privet	Ligustrum japonicum	YES	+/- 12"	+/- 15'	+/- 8'	POOR	REMOVE	138 SF	276 SF	IN CONFLICT WITH PROPOSED SITE DESIGN, MITIGATION PROVIDED
#68	Umbrella Tree	Schefflera actinophylla	NO	+/- 7"	+/- 15'	+/- 8'	POOR	REMOVE	138 SF	0 SF	INVASIVE SPECIES / NO MITIGATION REQUIRED
#76	Citrus Limon	Rutacea	NO	+/- 5"	+/- 7"	+/- 5'	POOR	REMOVE	138 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#77	Coconut Palm	Cocos nucifera	NO	+/- 6"	+/- 6'	+/- 6'	POOR	REMOVE	138 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED
#78	Coconut Palm	Cocos nucifera	NO	+/- 6"	+/- 6'	+/- 6'	POOR	REMOVE	138 SF	0 SF	NO PERMIT OR CANOPY MITIGATION REQUIRED

TOTAL MITIGATION REQUIRED : 10,333 SF  
TOTAL MITIGATION PROVIDED : 13,600 SF

\* BLACK OLIVE TREES #42 AND #59

A LEVEL THREE ADVANCED TREE RISK ASSESSMENT AND HAZARDOUS EVALUATION REPORT PREPARED BY A CERTIFIED ARBORIST SHALL BE SUBMITTED TO CMB URBAN FORESTRY AT THE TIME OF PERMITTING





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SHEET TITLE:

ARBORIST  
REPORT

790 LAKEVIEW DRIVE  
MIAMI BEACH, FL 33140

CHRISTOPHER CAWLEY, RLA  
Florida License LA 666786

SCALE + NORTH ARROW:

DATE:

NOVEMBER 19, 2018

SHEET NO:

L-2

Page 2  
Christopher Cawley  
9/7/16

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

cc: Todd Glaser  
Robert Moehring

Biscayne Environmental, Inc.

Environmental and Land Development Consultants • Mitigation Design and Contracting

September 7, 2016

Via email

Christopher Cawley, RLA  
780 NE 69<sup>th</sup> 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 lightning 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](mailto:biscayneinc@bellsouth.net)



Photo 9 Black olive in east side yard covered with pothos vine. Photo 10 Close-up of pothos vine covering black olive in east side yard.



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

<b>Biscayne Environmental, Inc.</b> 1761 Cleveland Road Miami Beach, FL 33141 Tel. 305.710.2359 Email: <a href="mailto:biscayneinc@bellsouth.net">biscayneinc@bellsouth.net</a>	Project:	790 Lakeview Drive			
	Sheet Name:	Site Photographs			
	Prepared For:	Todd Glaser			
	Address:	790 Lakeview Drive, Miami beach			
	Project No.:	2016-26	Date:	9/7/16	Scale: NTS



Photo 5 Large black olive in backyard next to seawall.



Photo 6 Close-up of decaying/damaged trunk on black olive in backyard.

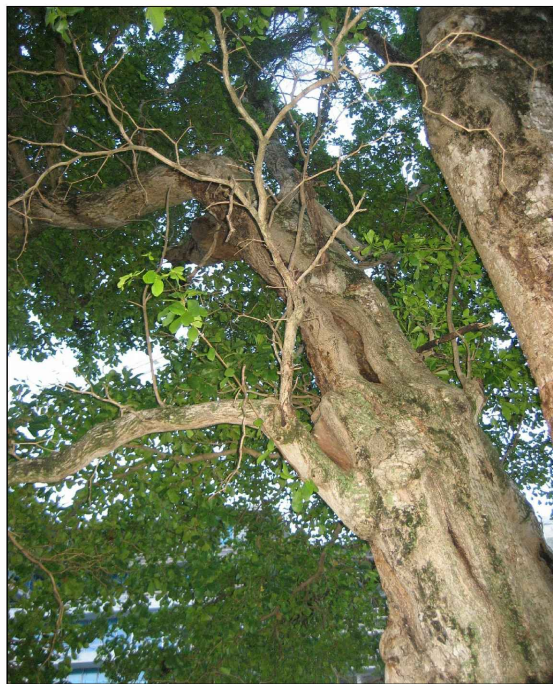


Photo 7 Close-up of trunk damage to black olive in backyard.

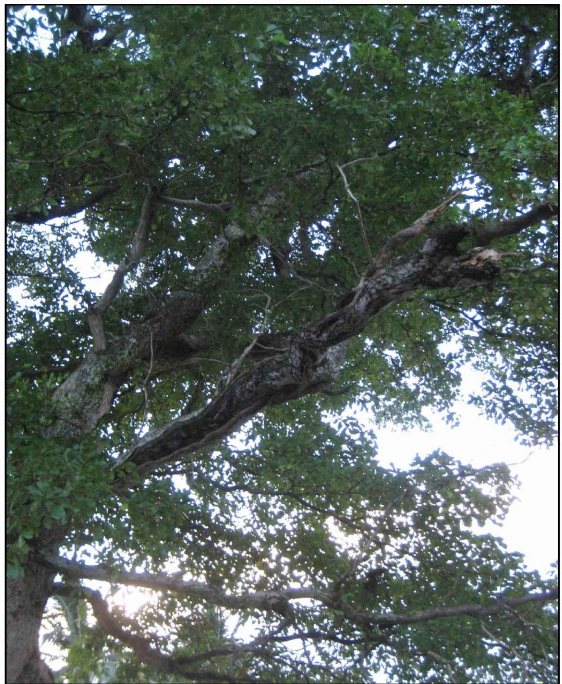


Photo 8 Additional close-up of trunk damage to black olive in backyard.

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Photo 1 Ficus and thatch palm on west half of ROW and thatch palms in front yard.



Photo 2 Umbrella tree and yellow elder on east half of ROW and pandanus along east property line in background to left.



Photo 3 View west of thatch palms in front yard with yellow tabebuia canopy visible above thatch palms.



Photo 4 View of Christmas palm cluster and pygmy date palm on east side of front yard.

Biscayne Environmental, Inc.

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Project: 790 Lakeview Drive

Sheet Name: Site Photographs

Prepared For: Todd Glaser

Address: 790 Lakeview Drive, Miami Beach

Project No.: 2016-26 Date: 9/20/16 Scale: NTS Sheet 1





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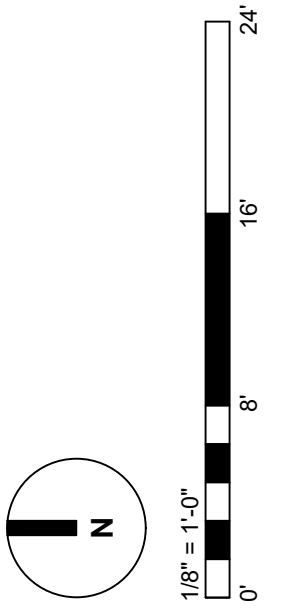
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MIAMI BEACH, FL 33140

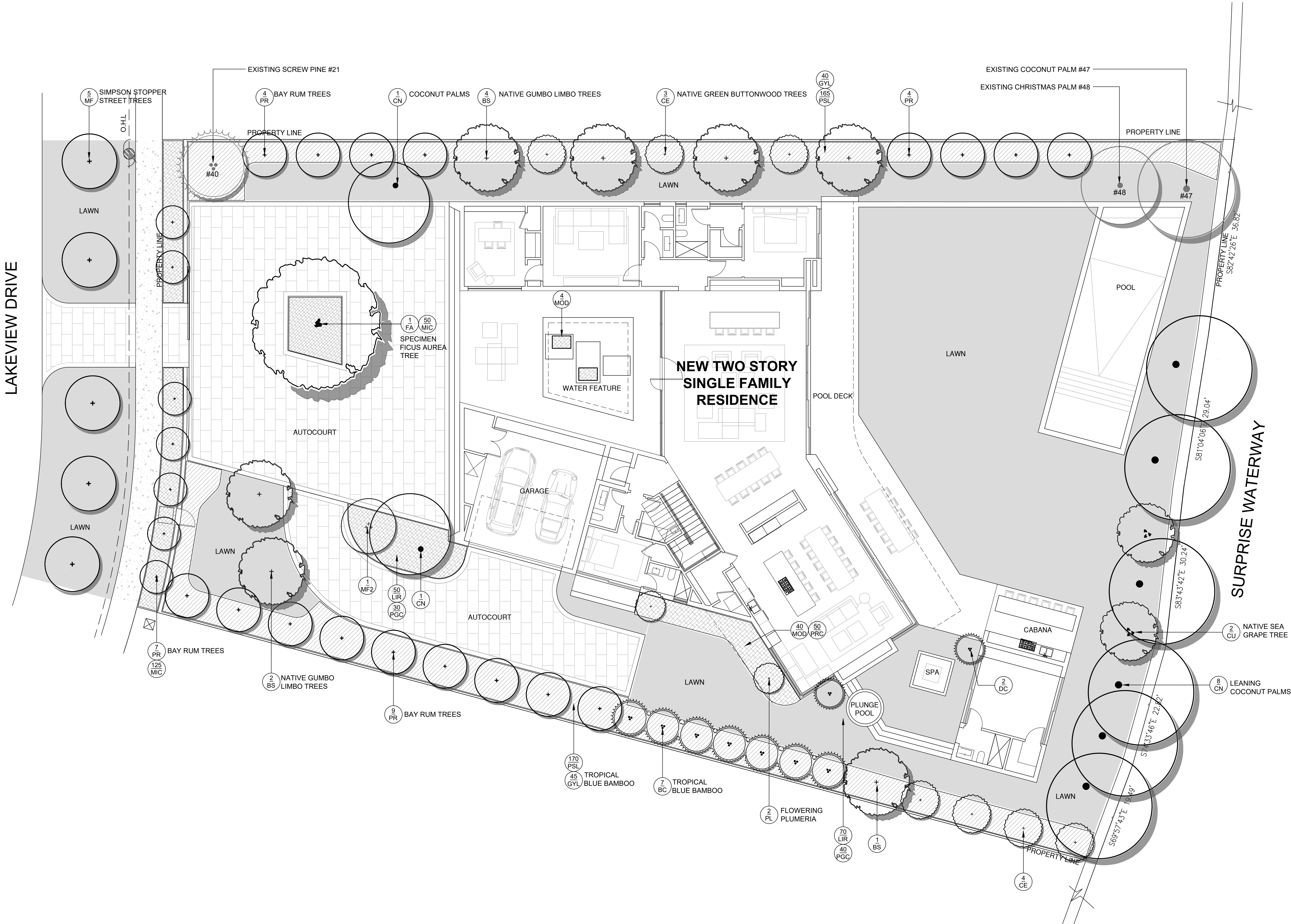
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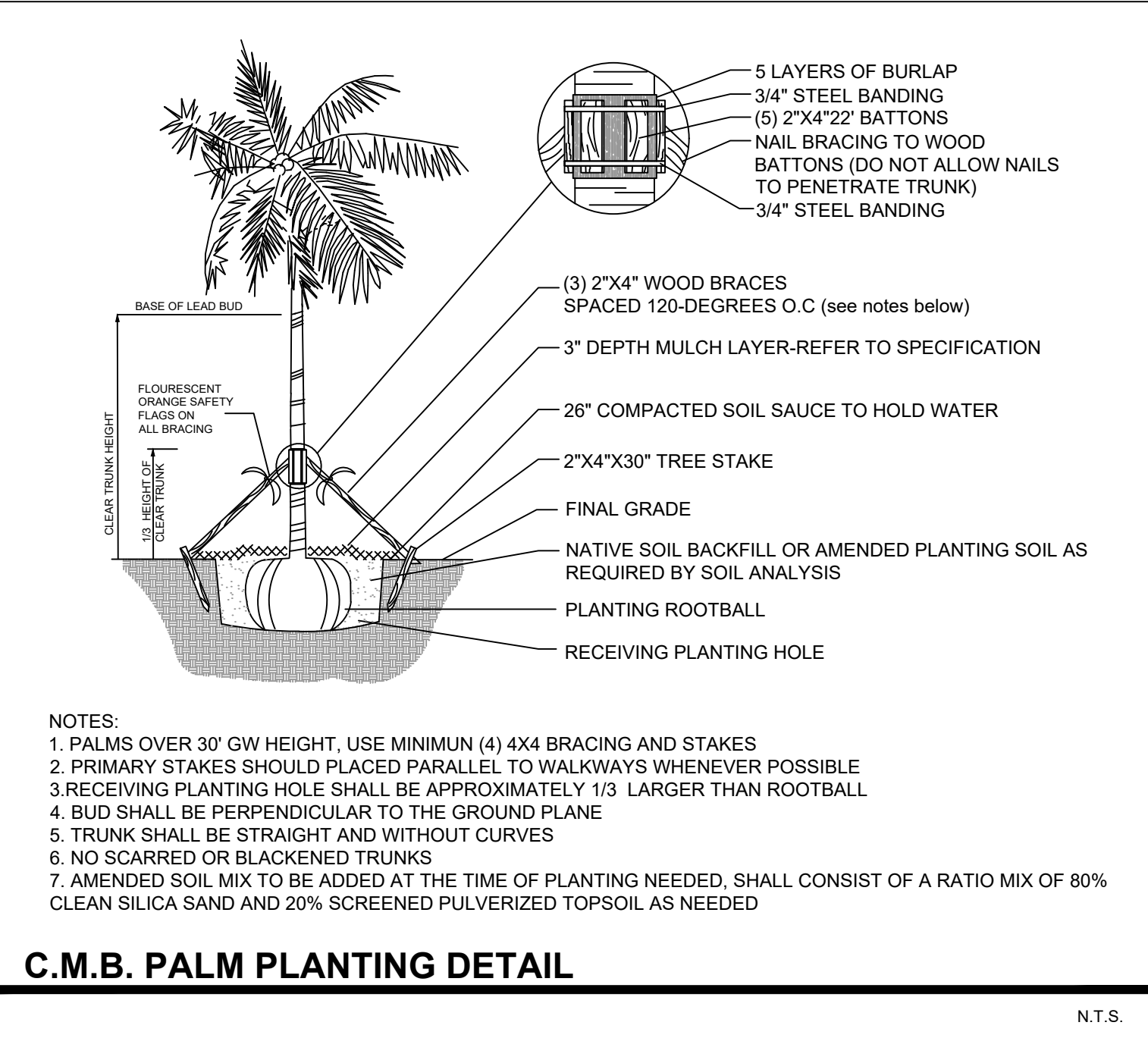
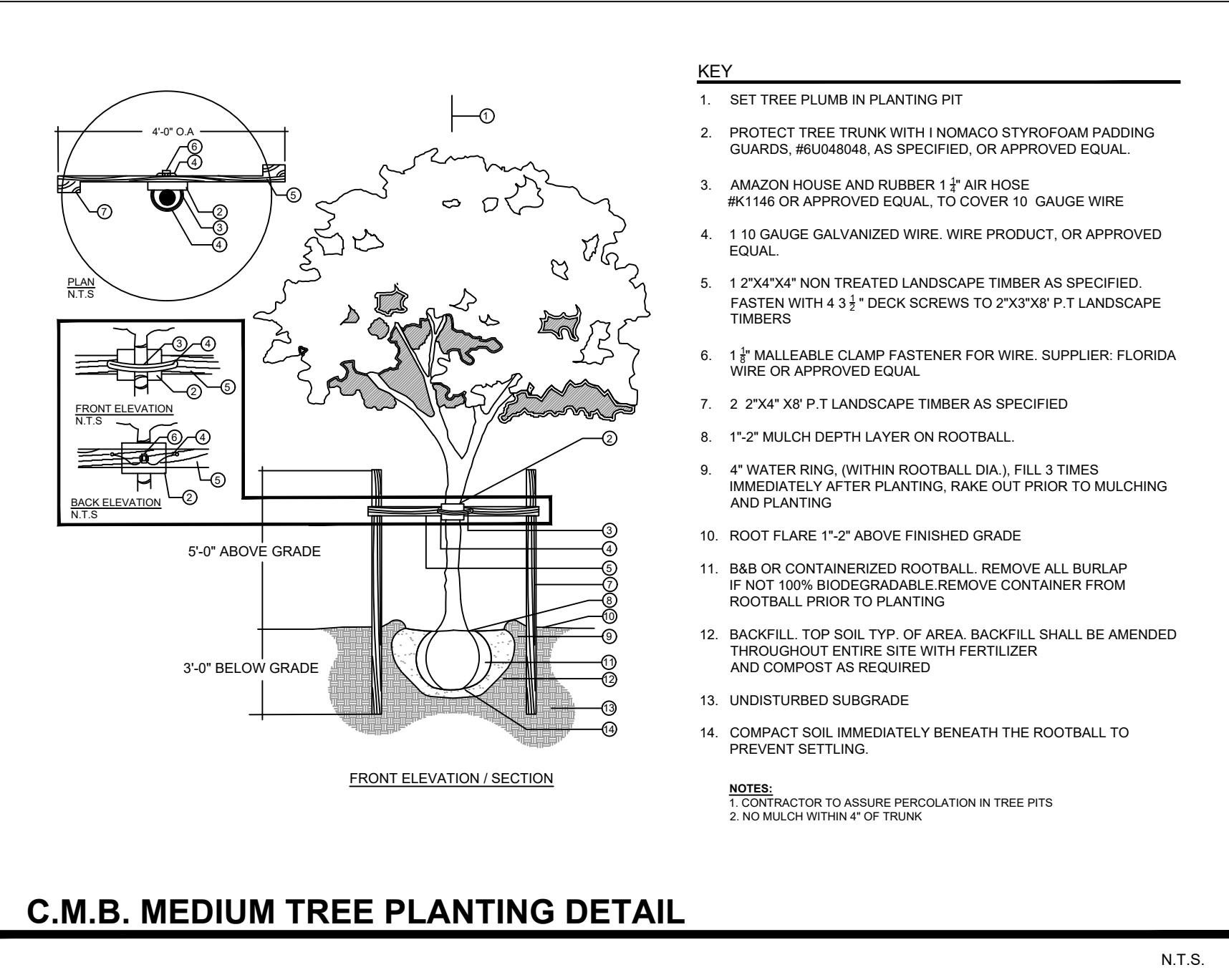
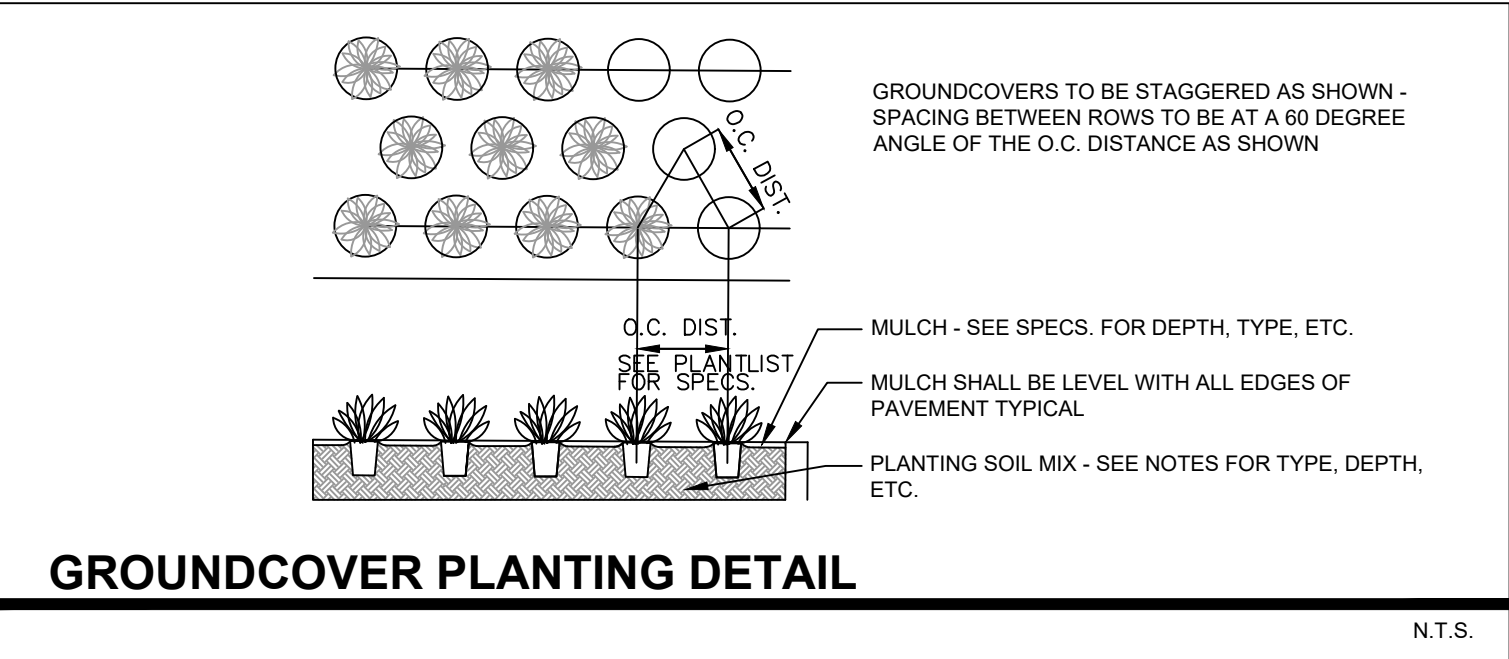
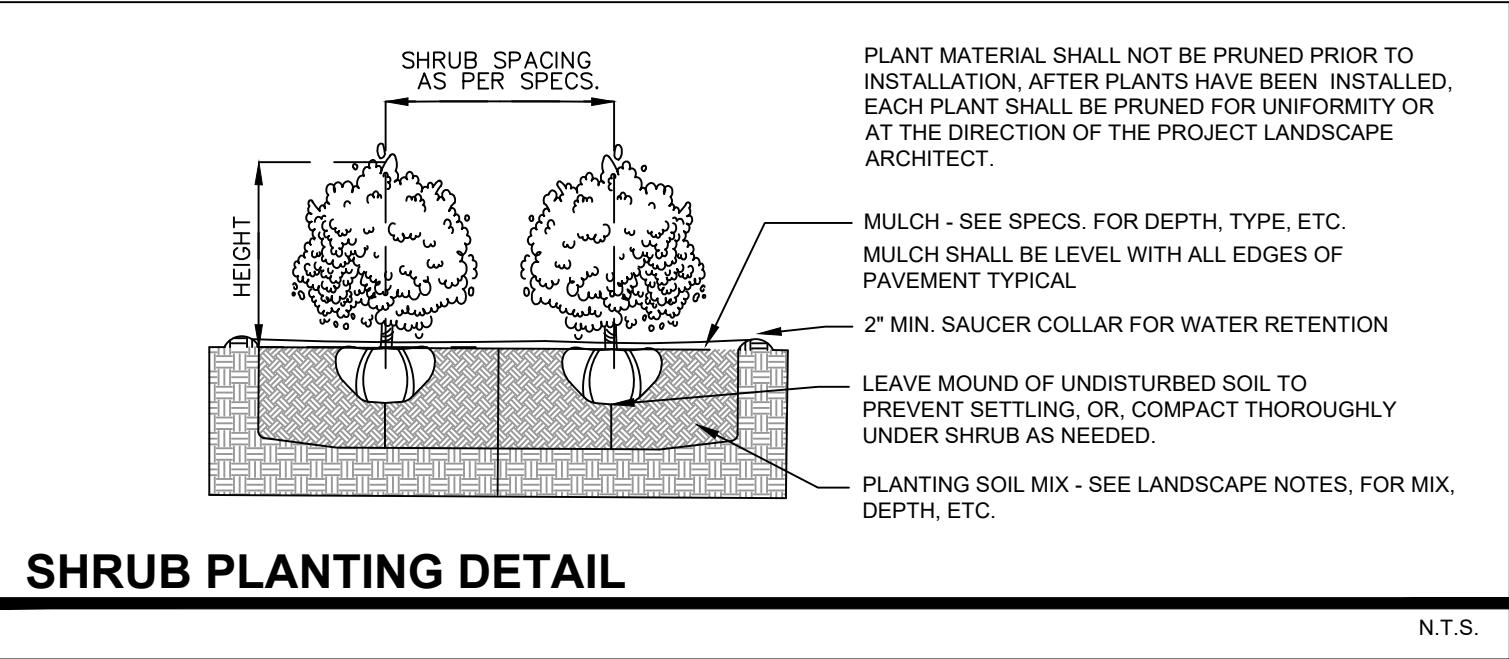


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LANDSCAPE  
NOTES +  
DETAILS



LANDSCAPE LEGEND		
MIAMI BEACH LANDSCAPE ORDINANCE CHAPTER 26 (RS1 - RS4 Single Family Home Residential )		
ZONING:	RS-3	LOT SIZE: 21,783 SF ACRES: 0.50
<b>TREES</b> FRONT YARD - 2 TREES REQUIRED / 15 TREES PROVIDED REAR YARD -3 TREES REQUIRED / 5 TREES PROVIDED  <b>1 ADDITIONAL TREE IS REQUIRED FOR EACH ADDITIONAL 1,000 SF OF LOT AREA</b> 21,783 SF - 6000 SF = 15,783 SF = 15 ADDITIONAL TREES + 5 REQUIRED TREES = 20 TREES REQUIRED / 44 TREES PROVIDED. (7 NATIVE GUMBO LIMBO TREES + 7 NATIVE GREEN BUTTONWOOD TREES + 2 NATIVE SEA GRAPE TREES + 1 NATIVE SIMPSON STOPPER TREE + 1 STRANGLER FIG TREE + 2 FANGIPANI TREES + 24 BAY RUM TREES PROVIDED)  <b>DIVERSITY REQUIREMENT</b> 16-20 REQUIRED TREES = 5 TREE SPECIES / 8 SPECIES PROVIDED  <b>NATIVE TREES</b> 30% OF REQUIRED TREES OR .30 X 20 = 6 NATIVE TREES REQUIRED / 17 NATIVE TREES PROVIDED (7 NATIVE GUMBO LIMBO TREES + 7 NATIVE GREEN BUTTONWOOD TREES + 2 NATIVE SEA GRAPE TREES + 1 NATIVE SIMPSONS STOPPER TREES PROVIDED)  <b>LOW MAINTENANCE TREES</b> 50% OF REQUIRED TREES OR .50 X 20 = 10 LOW MAINTENANCE TREES REQUIRED / 17 LOW MAINTENANCE TREES PROVIDED  <b>STREET TREE REQUIREMENT</b> AVERAGE STREET TREE SPACING 20' ON CENTER LAKE VIEW: 85 LF / 20 = 5 STREET TREES REQUIRED / 5 STREET TREES PROVIDED		
<b>SHRUBS</b> 12 SHRUBS (OR VINES) REQUIRED FOR EACH REQUIRED LOT AND STREET TREE or 12 X (25) = 300 REQUIRED / 420 SHRUBS PROVIDED  <b>NATIVE SHRUBS</b> 50% OF TOTAL SHRUBS REQUIRED MUST BE NATIVE or .50 X 300= 150 / 420 NATIVE SHRUBS PROVIDED (85 NATIVE CRABWOOD SHRUBS + 335 NATIVE BAHAMA COFFEE SHRUBS PROVIDED)  <b>LARGE SHRUBS / SMALL TREES</b> 10% OF TOTAL SHRUBS REQUIRED MUST BE LARGE SHRUBS OR SMALL TREES or .10 X 300 = 30 LARGE SHRUBS / SMALL TREES REQUIRED (85 NATIVE CRABWOOD SHRUBS PROVIDED)  <b>NATIVE LARGE SHRUBS / SMALL TREES</b> 50% OF TOTAL LARGE SHRUBS REQUIRED MUST BE NATIVE or .50 X 30 = 15 NATIVE LARGE SHRUBS REQUIRED / 85 NATIVE CRABWOOD SHRUBS PROVIDED  <b>LAWN AREA</b> 50% MAXIMUM OF LANDSCAPE AREA: NEW LAWN AREAS ARE LESS THAN 50% OF LANDSCAPE AREA  <b>IRRIGATION SYSTEM</b> 100% COVERAGE PROVIDED PURSUANT TO MIAMI DADE CODE		

LANDSCAPE NOTES		
1. ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER.	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.	
2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF, AVOID, AND PROTECT ALL UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES.	8. ALL TREES, PALMS, SHRUBS AND GROUNDCOVERS, AND SOD / LAWN SHALL CARRY A ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.	
3. TREE, PALM, ACCENT AND BED LINES ARE TO BE LOCATED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.	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.	
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" WITH A SMALL GRAY GRANITE AGGREGATE FREE FROM WEEDS AND PESTS. NO 'CYPRESS MULCH' OR 'RED DYED MULCH' TO BE ACCEPTED. KEEP MULCH 3" AWAY FROM TREE OR PALM TRUNKS AS PER INDUSTRY RECOMMENDATIONS.		

PLANTLIST - 790 LAKE VIEW					
KEY	NATIVE	QTY.	COMMON NAME	BOTANICAL NAME	HEIGHT, SPECIFICATION, & NOTES
TREES					
BS	YES	7	GUMBO LIMBO	Bursera simarubra	100 gallon, 16' height min, 8' spread, standard
CE	YES	7	GREEN BUTTONWOOD	Conocarpus erectus	65 gallon, 14' height, 6' spread, 3" dbh
CU	YES	2	SEA GRAPE	Coccoloba uvifera	100 gallon, 12' height min, 8' spread, multi trunk
FA	NO	1	STRANGLER FIG	Ficus aurea	field grown, specimen, 18'-20' height, 10'-12' spread, to be selected by LA
MF	YES	5	SIMPSON STOPPER	Myrcianthes fragrens	100 gallon, 12' height, 5' spread, standard
MF2	YES	1	SIMPSON STOPPER	Myrcianthes fragrens	100 gallon, 12' height, 5' spread, multi trunk
PL	NO	2	FRANGIPANI	Plumeria rubra	25 gallon, 8' height, 5' spread
PR	NO	24	BAY RUM TREE	Pimenta racemosa	50 gallon, 10-12' height, 5-6' spread, 2" dbh
PALMS + BAMBOO					
BC	NO	7	TROPICAL BLUE BAMBOO	Bambusa chungii	18' - 20' overall height, full to base, field grown
CN	NO	8	GREEN MALAYAN COCONUT	Cocos nucifera 'Green Malayan	Field grown, 8'-14' greywood, full heads, Florida Fancy
DC	NO	2	CABADA PALM	Dypsis cabada	12' overall height, full to base, field grown
SHRUBS					
GYL	YES	85	CRABWOOD	Gymnanthes lucida	25 gallon, 6' height, full, space 30" on center, equal to Treeworld Wholesale
PSL	YES	335	DWARF BAHAMA COFFEE	Psychotria ligustrifolia	7 gallon, 24' height x 18' spread, space 18" on center
TROPICALS, GROUND COVERS,+ VINES					
LIR	NO	120	LIRIOPE 'BIG BLUE'	Liriope muscari 'Big Blue'	1 gallon, 12" height x 12" spread, full, 18" on center
MIC	NO	175	WART FERN	Microsorium scolopendrium	3 gallon, full, 18" on center
MOD	NO	44	SWISS CHEESE PLANT	Monstera deliciosa	7 gallon, 30" height x 30" spread, full, 30" on center
PGC	NO	70	PHILODENDRON GREEN CONGO	Philodendron 'Green Congo'	3 gallon, 18" height x 18" spread, full, 24" on center
PRC	NO	50	PHILODENDRON ROJO CONGO	Philodendron 'Rojo Congo'	3 gallon, 18" height x 18" spread, full, 24" on center
SOD, AGGREGATE & MULCH					
SOD	ZOYSIA 'EMPIRE' LAWN OVER 2" TOPSOIL BED. SEE PLANTING SPECS.				
MLC	DARK BROWN SHREDDED ORGANIC MULCH (NO CYPRESS OR DYED MULCH), 3" MINIMUM DEPTH, TO BE DETERMINED				
DGA	3/8" DECOMPOSED GRANITE AGGREGATE OVER FILTER FABRIC				
PRR	1"-2" MIX OF POLISHED RIVER ROCK, COLOR TO BE SELECTED + APPROVED, 3" MIN. DEPTH, INSTALL OVER FILTER FABRIC				
CONTRACTOR TO PROVIDE IMAGES OF ALL MAJOR PLANT MATERIAL TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL BEFORE PURCHASE + INSTALLATION. LANDSCAPE CONTRACTOR TO MEET WITH LANDSCAPE ARCHITECT AND OWNER ON SITE TO REVIEW THE PROPOSED DESIGN PRIOR TO SUBMITTING A BID FOR THE PROJECT. THE LANDSCAPE CONTRACTOR IS TO PROVIDE AN ADDITIONAL ALLOWANCE OF \$5,000 DOLLARS FOR POTTED PLANTS + MISCELLANEOUS VEGETATION TO BE SELECTED DURING THE INSTALLATION OF THE PROJECT					

790 LAKEVIEW DRIVE  
MIAMI BEACH, FL 33140

CHRISTOPHER CAWLEY, RLA  
Florida License LA 666786

SCALE + NORTH ARROW:

DATE:  
NOVEMBER 19, 2018  
SHEET NO: