



CHRISTOPHER CAWLEY  
LANDSCAPE ARCHITECTURE LLC  
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Florida Landscape  
Architecture Business LC  
26000460

REVISION SCHEDULE		
NO.	DATE	DESCRIPTION

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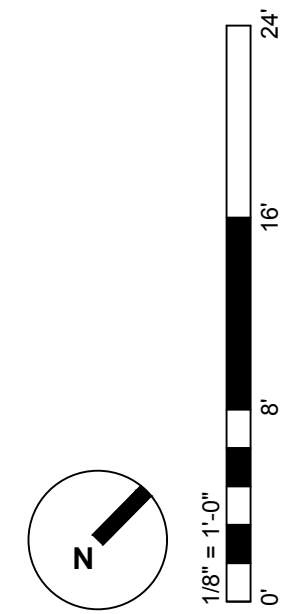
**NEW  
RESIDENCE**  
420 S. HIBISCUS DRIVE  
MIAMI BEACH FL 33139

SHEET TITLE:

**LANDSCAPE  
COVER +  
SHEET INDEX**

CHRISTOPHER CAWLEY, RLA  
Florida License LA 666786

SCALE + NORTH ARROW:



DATE:  
NOVEMBER 11, 2019 for  
DECEMBER 13, 2019  
D R B H E A R I N G

SHEET NO:

**L-0.0**



C.M.B. FINAL DRB LANDSCAPE SUBMITTAL  
NEW RESIDENCE | 420 SOUTH HIBISCUS DRIVE | MIAMI BEACH, FLORIDA

CLIENT / PROPERTY INFORMATION

**PROPERTY ADDRESS**  
420 SOUTH HIBISCUS DRIVE  
MIAMI BEACH, FL 33139

EXISTING VEGETATION SUMMARY

The existing vegetation located on the property is composed primarily of palms, shrubs and pink trumpet trees that are located in the front garden. Please note that because the grade of the site will be coming up to accommodate current building codes, the landscape architect is not able to preserve any of the existing vegetation on site. Mitigation shall be provided for all canopy loss as per C.M.B guidelines and regulations, and a new improved landscape design shall be provided that shall introduce new native trees, shrubs and vegetation to the site.

SCOPE OF WORK

- Extensive Landscape Architecture services for new proposed 2-story residence located in C.M.B.

INDEX OF SHEETS

- L-0.0** Landscape Cover Page + Sheet Index
- L-1.0** Understory Landscape Plan
- L-1.1** First Level Landscape Plan
- L-2.0** Existing Tree Survey + Disposition Plan
- L-3.0** Existing Tree Chart, Plant List, Landscape Notes + Details
- L-4.0** Plant Material Images






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## NEW RESIDENCE

420 S. HIBISCUS DR  
MIAMI BEACH FL 3313

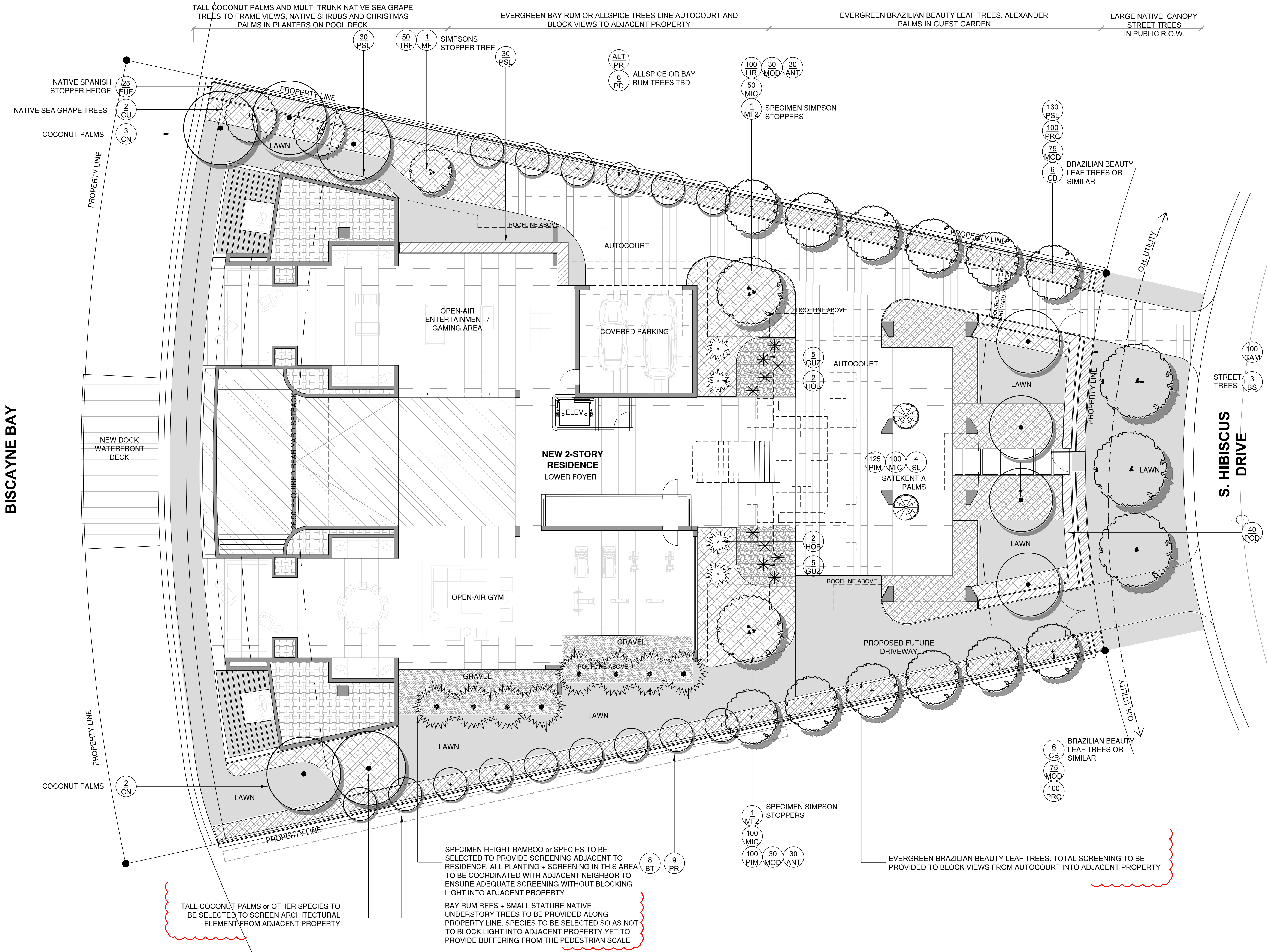
# UNDERSTORY LANDSCAPE PLAN

TOPHER CAWLEY, RLA  
la License LA 6666786

0' 8' 16' 24'

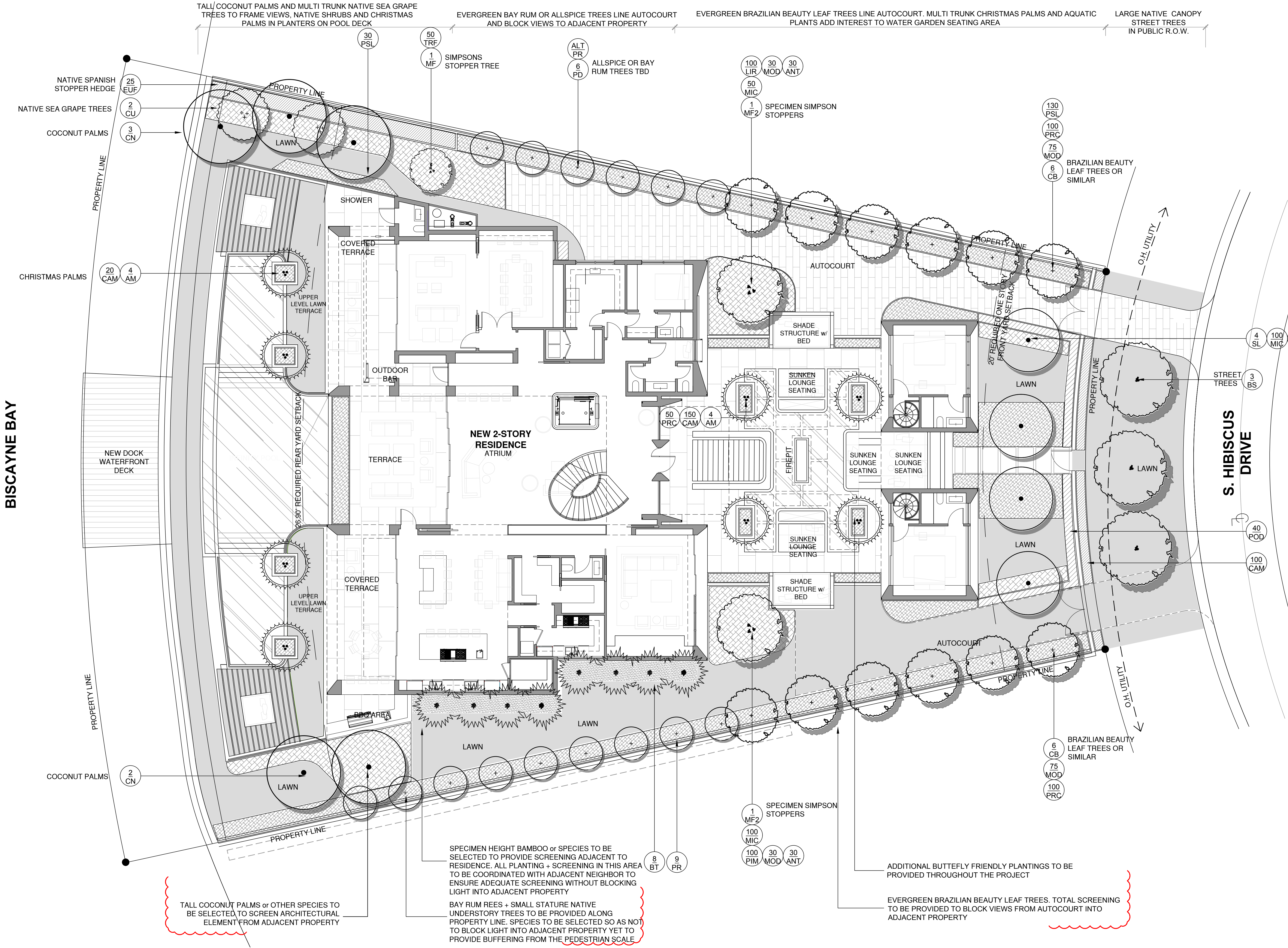
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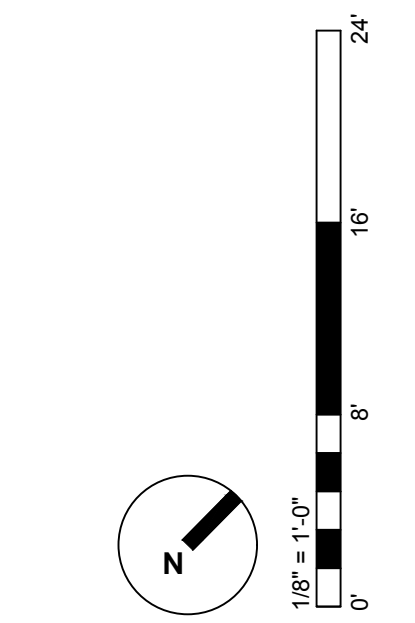
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PROJECT INFO:  
**NEW  
RESIDENCE**  
420 S. HIBISCUS DRIVE  
MIAMI BEACH FL 33139

SHEET TITLE:  
**FIRST LEVEL  
LANDSCAPE  
PLAN**

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SCALE + NORTH ARROW:

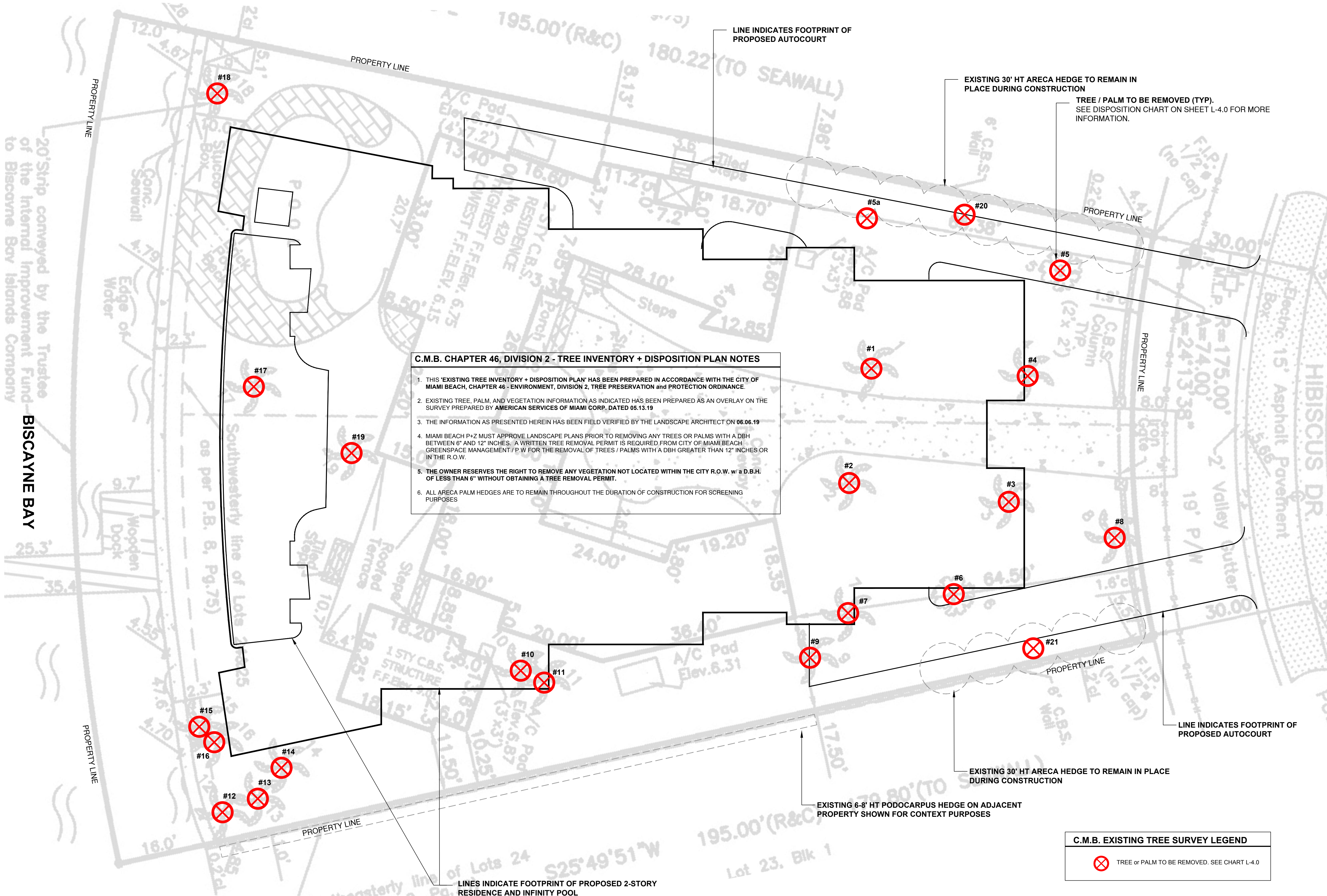


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**C.M.B. CHAPTER 46, DIVISION 2 - TREE INVENTORY + DISPOSITION PLAN NOTES**

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 05.13.19
3. THE INFORMATION AS PRESENTED HEREIN HAS BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT ON 06.06.19
4. MIAMI BEACH P+Z MUST APPROVE LANDSCAPE PLANS PRIOR TO REMOVING ANY TREES OR PALMS WITH A DBH BETWEEN 6" 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 6" WITHOUT OBTAINING A TREE REMOVAL PERMIT.
6. ALL ARECA PALM HEDGES ARE TO REMAIN THROUGHOUT THE DURATION OF CONSTRUCTION FOR SCREENING PURPOSES

**C.M.B. EXISTING TREE SURVEY LEGEND**

⊗ TREE or PALM TO BE REMOVED. SEE CHART L-4.0



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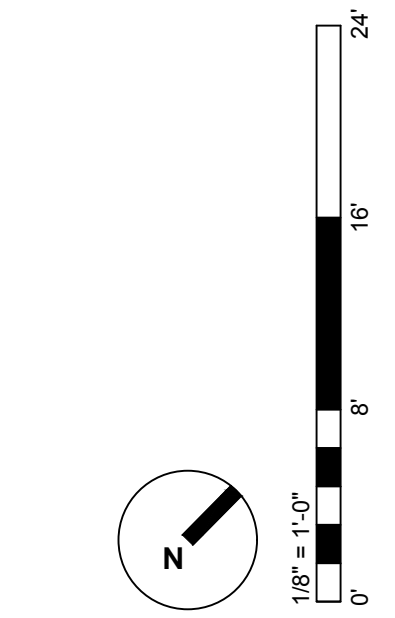
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**SHEET TITLE:**

**EXISTING TREE SURVEY + DISPOSITION PLAN**

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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" 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.
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.

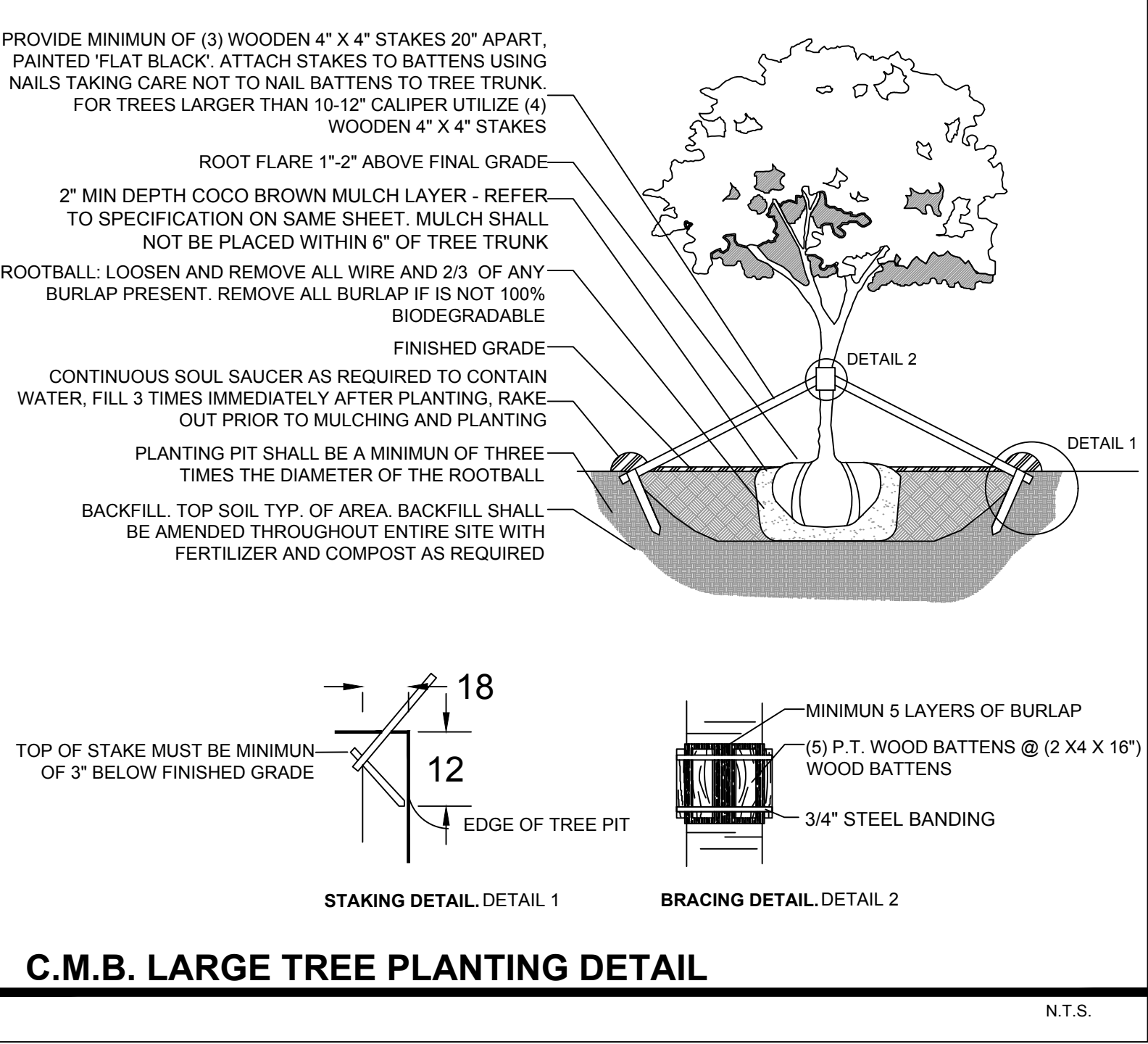
8. ALL TREES, PALMS, SHRUBS AND GROUNDCOVERS, AND SOD / LAWN SHALL CARRY A ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.

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 "P" 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.

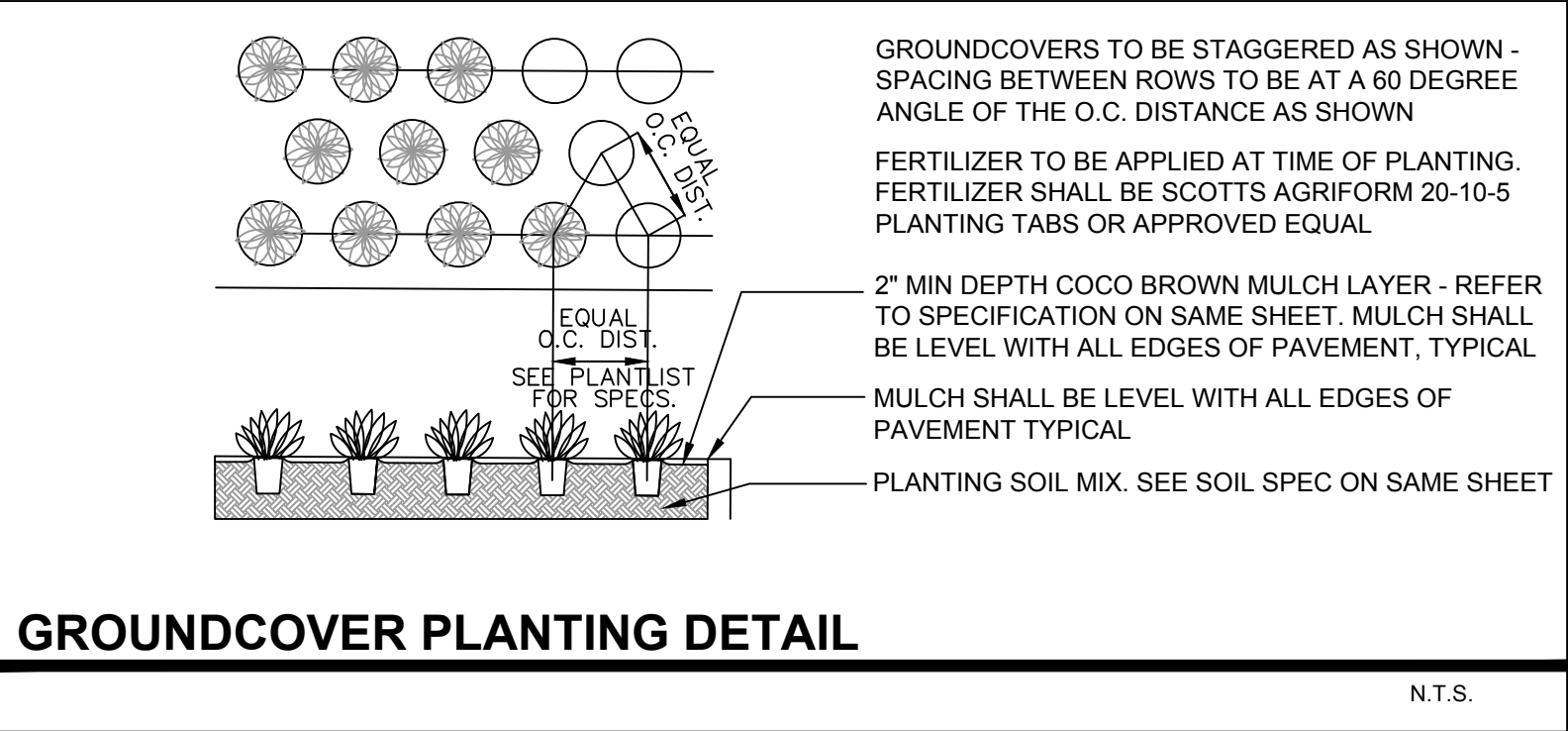
LANDSCAPE LEGEND

MIAMI BEACH LANDSCAPE ORDINANCE CHAPTER 26 (RS1 - RS4 Single Family Home Residential )

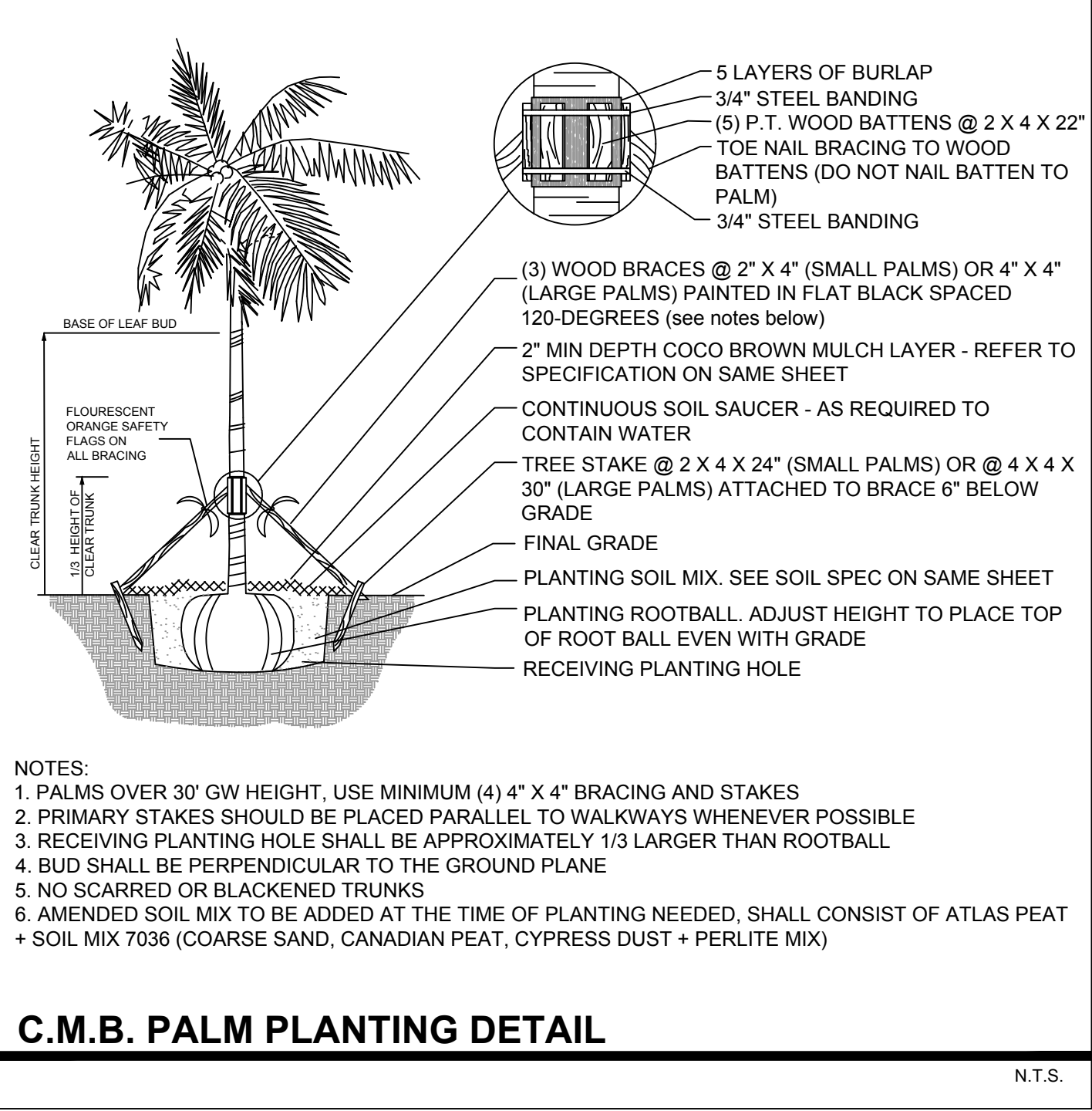
<b>ZONING:</b> RS	<b>LOT SIZE:</b> 19,687 SF	<b>ACRES:</b> .45	<b>SHRUBS</b> 12 SHRUBS (OR VINES) REQUIRED FOR EACH REQUIRED LOT AND STREET TREE or 12 X (22.4) = <b>269 SHRUBS REQUIRED / 270 SHRUBS PROVIDED</b> (40 NATIVE SPANISH STOPPER SHRUBS + 190 NATIVE DWARF BAHAMA COFFEE SHRUBS + 40 PODOCARPUS SHRUBS PROVIDED)
<b>TREES</b> FRONT YARD - 2 TREES REQUIRED / 2 TREES PROVIDED REAR YARD -3 TREES REQUIRED / 3 TREES PROVIDED  TOTAL OF 5 TREES REQUIRED FOR LOTS UP TO 6,000 SF. 1 ADDITIONAL TREE IS REQUIRED FOR EACH ADDITIONAL 1,000 SF OF LOT AREA.  19,687 SF = <b>18.6 TOTAL TREES REQUIRED / 32 TREES PROVIDED.</b> ( 2 NATIVE SEA GRAPE TREES + 3 NATIVE SIMPSON STOPPER TREES + 15 NATIVE ALLSPICE TREES OR BAY RUM TREES + 12 CALLOPHYLUM TREES PROVIDED)			
<b>DIVERSITY REQUIREMENT</b> 16-20 REQUIRED TREES = 5 TREE SPECIES / 5 SPECIES PROVIDED			
<b>NATIVE TREES</b> 30% OF REQUIRED TREES OR .30 X 18.6 = <b>6 NATIVE TREES REQUIRED / 32 NATIVE TREES PROVIDED</b> (2 NATIVE SEA GRAPE TREES + 3 NATIVE SIMPSON STOPPER TREES + 15 NATIVE ALLSPICE TREES OR BAY RUM TREES + 12 CALLOPHYLUM TREES PROVIDED)			
<b>LOW MAINTENANCE TREES</b> 50% OF REQUIRED TREES OR .50 X 18.6 = <b>21 LOW MAINTENANCE TREES REQUIRED / 32 LOW MAINTENANCE TREES PROVIDED</b> (2 NATIVE SEA GRAPE TREES + 3 NATIVE SIMPSON STOPPER TREES + 15 NATIVE ALLSPICE TREES OR BAY RUM TREES + 12 CALLOPHYLUM TREES PROVIDED)			
<b>STREET TREE REQUIREMENT</b> AVERAGE STREET TREE SPACING 20' ON CENTER S. HIBISCUS: 75.6 LF / 20 = 3.8 <b>STREET TREES REQUIRED / 3 STREET TREES PROVIDED</b>			



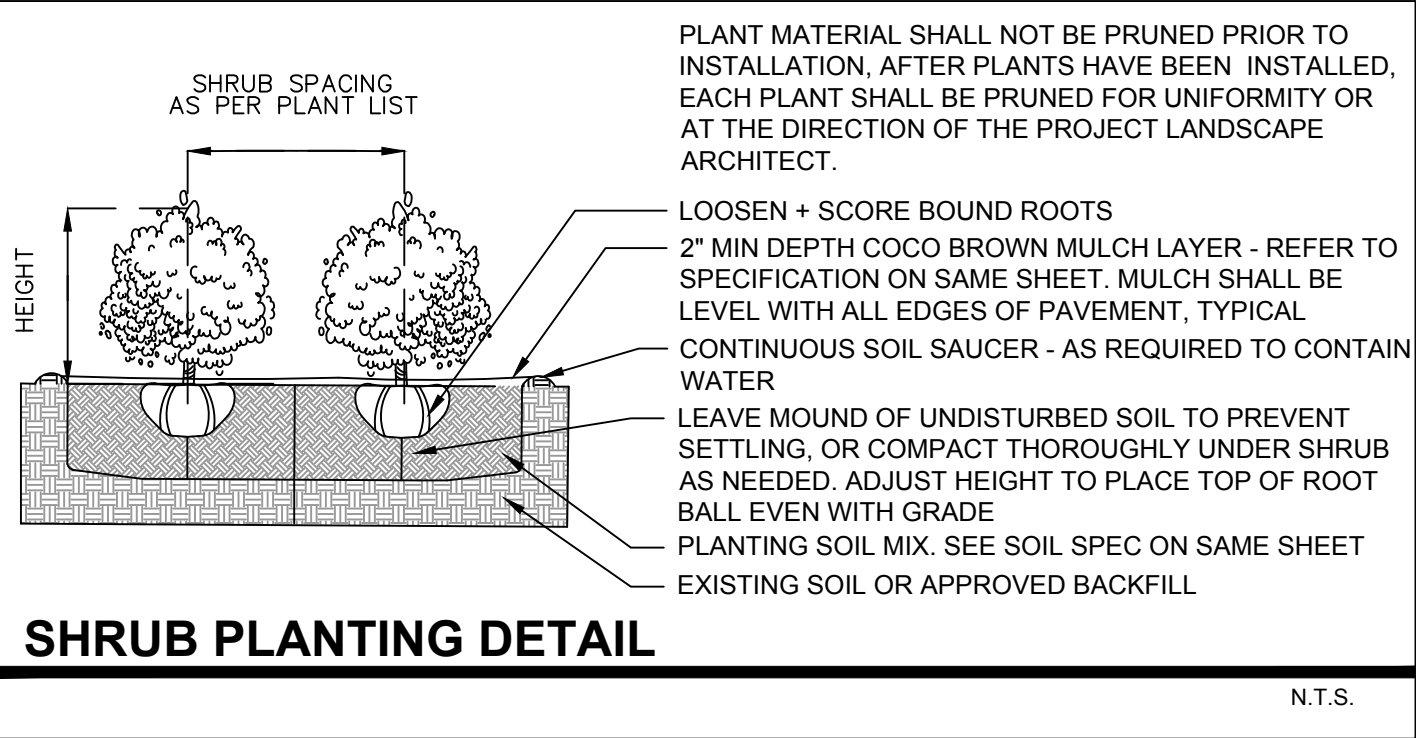
C.M.B. LARGE TREE PLANTING DETAIL



GROUNDCOVER PLANTING DETAIL



C.M.B. PALM PLANTING DETAIL



SHRUB PLANTING DETAIL

PLANT LIST - 420 SOUTH HIBISCUS					
KEY	QTY.	NATIVE	COMMON NAME	BOTANICAL NAME	HEIGHT, SPECIFICATION, & NOTES
<b>TREES</b>					
BS	3	YES	GUMBO LIMBO TREE	Bursera simaruba	16' ht min, 8' spread min, 4" dbh min, equal to Treeworld Wholesale
CB	12	NO	BRAZILIAN BEAUTYLEAF TREE	Callophyllum brasiliensis	12' ht min, 6' spread min, 2.5" dbh min, equal to Treeworld Wholesale
CU	2	YES	SEA GRAPE TREE	Coccoloba uvifera	12' ht min, 8' spread min, multi trunk, equal to Treeworld Wholesale
MF	1	YES	SIMPSON STOPPER TREE	Myrcianthes fragrens	12' ht min, 6' spread min, 2.5" dbh min, equal to Treeworld Wholesale
MF2	2	YES	SIMPSON STOPPER TREE	Myrcianthes fragrens	Field grown, Specimen, To be selected
PD	ALT	YES	ALLSPICE TREE	Pimenta dioica	12' ht min, 6' spread min, 2.5" dbh min, equal to Treeworld Wholesale
PR	15	NO	BAY RUM TREE	Pimenta racemosa	12' ht min, 6' spread min, 2.5" dbh min, equal to Treeworld Wholesale
<b>PALMS</b>					
AM	8	NO	CHRISTMAS PALM	Adonidia merrillii	12' oah height min, multi trunk, full heads
BT	8	NO	TROPICAL BAMBOO	Bambusa spp.	20-22' height at installation, full
CN	5	NO	'GR. MALAYAN' COCONUT PALM	Cocos nucifera 'Green Malayan'	10' gray wood min, full heads, Florida Fancy
HO8	4	NO	KENTIA PALM	Howea forsteriana	7 gallon, 4-5' height, full
SL	4	NO	TEDDY BEAR PALM	Satakentia liliukuensis	10' gray wood min, full heads, Florida Fancy
<b>SHRUBS</b>					
EUF	40	YES	SPANISH STOPPER	Eugenia foetida	5' ht min, full, space 24" on center
POD	40	NO	PODOCARPUS	Podocarpus macrophyllus	5' ht min, full, space 18" on center
PSL	190	YES	DWARF BAHAMA COFFEE	Psychotria ligustrifolia	3 gallon, full, space 18" on center
<b>TROPICALS, GROUNDCOVERS, + ACCENTS</b>					
LIR	as req.	NO	LILYTURF	Liriope muscari	3 gallon, full, 18" on center
MIC	as req.	NO	WART FERN	Microsorium scolopendrium	3 gallon, full, 18" on center
CAM	as req.	NO	NATAL PLUM	Carissa macrocarpa	1 gallon, full, 18" on center
MOD	as req.	NO	SWISS CHEESE PLANT	Monstera deliciosa	3 gallon, full 36" on center
PIM	as req.	NO	ARTILLERY FERN	Pilea microphylla	1 gallon, full, 12" on center
PRC	as req.	NO	PHILODENDRON 'ROJO CONGO'	Same	3 gallon, full 24" on center
TRF	as req.	YES	DWARF FAKAHATCHEE GRASS	Tripsacum floridana	3 gallon, full, 18" on center
<b>SOD, AGGREGATE &amp; MULCH</b>					
DGA	3/8" DECOMPOSED GRANITE AGGREGATE OR STONE TO BE SELECTED, INSTALLED OVER FILTER FABRIC AND WEED BARRIER MATERIAL / OLIMAR, 2" MIN. DEPTH				
MLC	DARK BROWN 'FLORI MULCH' SHREDDED ORGANIC MULCH (NO CYPRESS), TO BE DETERMINED				
PRR	1"-2" MIX OF POLISHED RIVER ROCK, COLOR TO BE SELECTED + APPROVED, 3" MIN. DEPTH. INSTALL OVER FILTER FABRIC				
SOD	'EMPIRE TURF' ZOYSIA GRASS - OVER 2" TOPSOIL BED, SEE PLANTING SPECS				

C.M.B. EXISTING TREE INVENTORY + DISPOSITION CHART - 420 SOUTH HIBISCUS											
NUMBER	COMMON NAME	BOTANICAL NAME	SPECIMEN/D.B.H. (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	CANOPY AREA	CANOPY LOSS / MIT. REQ. (SF)	COMMENTS	PERMIT REQUIREMENTS P+2- GPM / PW - N/A
#1	Medjool Date Palm	Phoenix dactylifera	YES	+/- 22"	+/- 50'	+/- 20'	FAIR	REMOVE	314 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#2	Medjool Date Palm	Phoenix dactylifera	YES	+/- 22"	+/- 50'	+/- 20'	FAIR	REMOVE	314 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#3	Medjool Date Palm	Phoenix dactylifera	YES	+/- 22"	+/- 50'	+/- 20'	FAIR	REMOVE	314 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#4	Medjool Date Palm	Phoenix dactylifera	YES	+/- 22"	+/- 50'	+/- 20'	FAIR	REMOVE	314 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#5	Pink Trumpet Tree	Tabebuia rosea	NO	+/- 9"	+/- 25'	+/- 12'	FAIR	REMOVE	113 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#5a	Pink Trumpet Tree	Tabebuia rosea	NO	+/- 9"	+/- 25'	+/- 12'	FAIR	REMOVE	113 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#6	Pink Trumpet Tree	Tabebuia rosea	NO	+/- 9"	+/- 25'	+/- 12'	FAIR	REMOVE	113 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#7	Silver Buttonwood Tree	Conocarpus erectus	NO	+/- 5"	+/- 12'	+/- 12'	FAIR	REMOVE	0 SF	IN CONFLICT WITH SITE DESIGN. NO MITIGATION REQ.	N/A - NO PERMIT REQUIRED
#8	Royal Palm	Roystonea elata	YES	+/- 20"	+/- 60'	+/- 15'	FAIR	REMOVE	177 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#9	Latania Palm	Latania spp.	NO	+/- 12"	+/- 25'	+/- 12'	FAIR	REMOVE	113 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#10	Washington Palm	Washingtonia robusta	NO	+/- 18"	+/- 60'	+/- 10'	FAIR	REMOVE	79 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#11	Washington Palm	Washingtonia robusta	NO	+/- 18"	+/- 60'	+/- 10'	FAIR	REMOVE	79 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#12	Coconut Palm	Cocos nucifera	YES	+/- 18"	+/- 60'	+/- 20'	FAIR	REMOVE	314 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#13	Washington Palm	Washingtonia robusta	NO	+/- 10"	+/- 15'	+/- 8'	FAIR	REMOVE	50 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#14	Christmas Palm	Adonidia merrillii	NO	+/- 7"	+/- 15'	+/- 5'	FAIR	REMOVE	20 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#15	Royal Palm	Roystonea elata	NO	+/- 12"	+/- 12'	+/- 12'	FAIR	REMOVE	113 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#16	Coconut Palm	Cocos nucifera	YES	+/- 18"	+/- 30'	+/- 20'	FAIR	REMOVE	314 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#17	Coconut Palm	Cocos nucifera	YES	+/- 18"	+/- 50'	+/- 20'	FAIR	REMOVE	314 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#18	Coconut Palm	Cocos nucifera	YES	+/- 18"	+/- 50'	+/- 20'	FAIR	REMOVE	314 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PW
#19	Macarthur Palm	Pythosperma macarthurii	NO	+/- 5"	+/- 18'	+/- 8'	FAIR	REMOVE	0 SF	IN CONFLICT WITH SITE DESIGN. NO MITIGATION REQ.	N/A - NO PERMIT REQUIRED
#20	Areca Palm cluster	Dypsis lutescens	NO	+/- 4" ea	+/- 25'	+/- 25'	FAIR	REMOVE	490 SF	IN CONFLICT WITH SITE DESIGN. NO MITIGATION REQ.	N/A - NO PERMIT REQUIRED
#21	Areca Palm cluster	Dypsis lutescens	NO	+/- 4" ea	+/- 25'	+/- 15'	FAIR	REMOVE	177 SF	IN CONFLICT WITH SITE DESIGN. NO MITIGATION REQ.	N/A - NO PERMIT REQUIRED
TOTAL MITIGATION REQUIRED: 3,776 SF TOTAL MITIGATION PROVIDED : 8,950 SF											

C.M.B. CANOPY MITIGATION SUMMARY

THE CANOPY MITIGATION OF 3,776 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 8,950 SF OF CANOPY HAS BEEN PROVIDED.

CANOPY MITIGATION SUMMARY

- (3) NATIVE GUMBO LIMBO TREES: 900 SF (MB category I @ 300 SF each)
- (2) NATIVE SEA GRAPE TREES: 600 SF (MB category I @ 300 SF each)
- (15) BAYRUM TREES or NATIVE ALLSPICE TREES: 4,500 SF (MB category I @ 300 SF each)
- (12) BRAZILIAN BEAUTY LEAF TREES: 1800 SF (MB category II @150 SF each)
- (3) NATIVE SIMPSON'S STOPPER TREES: 300 SF (MB category III @100 SF each)
- (17) LARGE PALMS: 850 SF (MB category IV @ 50 SF each)



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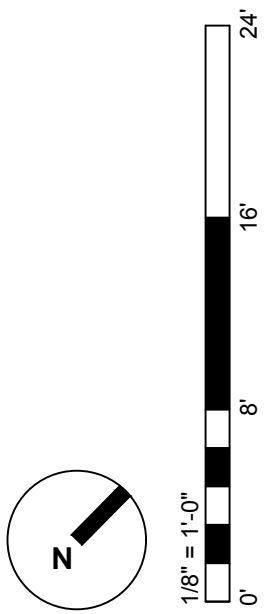
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SHEET TITLE:

EXISTING TREE  
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NOTES +  
DETAILS

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SCALE + NORTH ARROW:



DATE:  
NOVEMBER 11,2019 for  
DECEMBER 13, 2019  
D R B H E A R I N G

SHEET NO:

L-3.0





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		
NO.	DATE	DESCRIPTION

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PROJECT INFO:

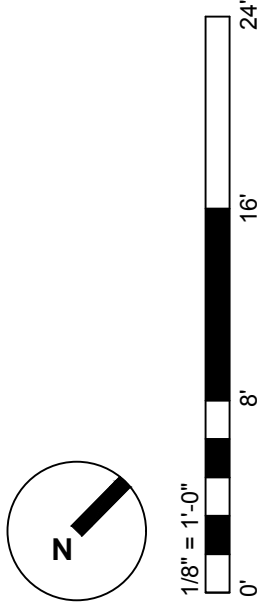
NEW  
RESIDENCE  
420 S. HIBISCUS DRIVE  
MIAMI BEACH FL 33139

SHEET TITLE:

PLANT  
MATERIAL  
IMAGES

CHRISTOPHER CAWLEY, RLA  
Florida License LA 666786

SCALE + NORTH ARROW:



DATE:  
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MF / SIMPSONS STOPPER TREE FLOWER DETAIL



PRC / PHILODENDRON ROJO CONGO



QV / LIVE OAK TREE



SL / SATAKENTIA PALM



EUF / SPANISH STOPPER HEDGE



POD / PODOCARPUS HEDGE



CN / COCONUT PALM



PD / ALLSPICE TREE



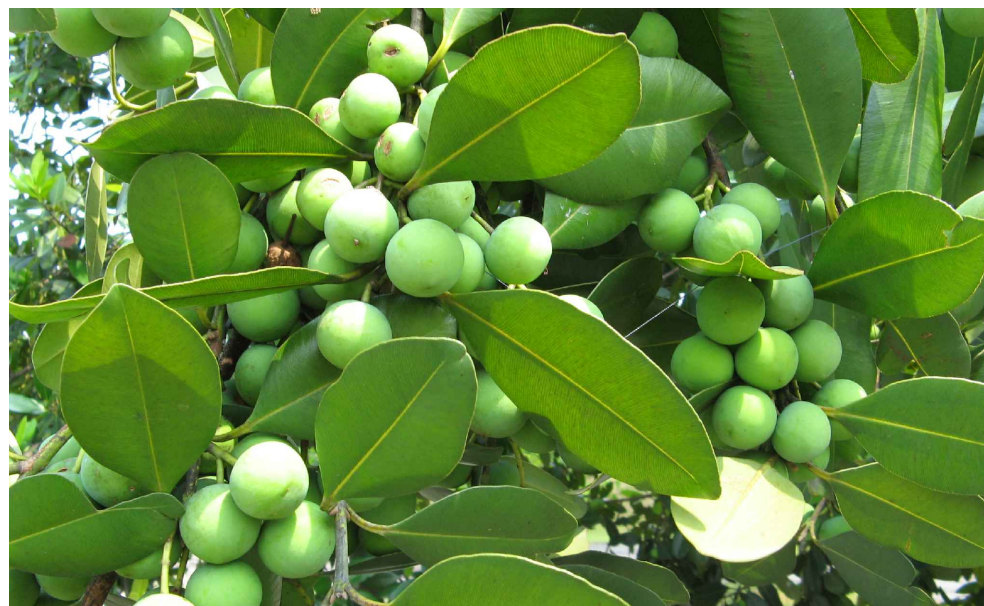
MIC / WART FERN



CAM / CARISSA



MOD / MONSTERA



CB / BRAZILIAN BEAUTY LEAF TREE DETAIL