

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. EXISTING TREE SURVEY LEGEND

TREE or PALM TO BE REMOVED. SEE CHART.

REL #

PALM TO BE RELOCATED

TREE / PALM PROTECTION FENCE

C.M.B. EXISTING TREE INVENTORY + DISPOSITION CHART - 409 E. DILIDO DR.											
NUMBER	COMMON NAME	BOTANICAL NAME	SPECIMEN	D.B.H. (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	CANOPY AREA	CANOPY LOSS / MIT. REQ. (SF)	COMMENTS
#1	Citrus Tree	Citrus spp.	NO	+/- 5"	+/- 10'	+/- 8'	GOOD	REMOVE	50 SF	50 SF	IN CONFLICT WITH DESIGN. MITIGATION PROVIDED
#2	Barbados Cherry	Molipha emarginata	NO	+/- 5"	+/- 10'	+/- 8'	GOOD	REMOVE	50 SF	50 SF	IN CONFLICT WITH DESIGN. MITIGATION PROVIDED
#3	Washington Palm	Washingtonia robusta	YES	+/- 18"	+/- 40'	+/- 12'	GOOD	REMOVE	113 SF	113 x 2 = 226 SF	IN CONFLICT WITH DESIGN. MITIGATION PROVIDED
#4	Royal Palm	Roystonea regia	YES	+/- 20"	+/- 30'	+/- 20'	GOOD	REMOVE	314 SF	314 x 2 = 628 SF	IN CONFLICT WITH DESIGN. MITIGATION PROVIDED
#5	Royal Palm	Roystonea regia	YES	+/- 24"	+/- 30'	+/- 20'	GOOD	RELOCATE	314 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION
#6	Coconut Palm	Cocos nucifera	YES	+/- 14"	+/- 30'	+/- 20'	GOOD	RELOCATE	314 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION
#7	Frangipani Tree	Plumeria rubra	NO	+/- 6"	+/- 15'	+/- 15'	GOOD	REMOVE	177 SF	177 SF	IN CONFLICT WITH DESIGN. MITIGATION PROVIDED
#8	Liquor Tree	Eriobotrya japonica	NO	+/- 10"	+/- 20'	+/- 15'	GOOD	REMOVE	177 SF	177 SF	IN CONFLICT WITH DESIGN. MITIGATION PROVIDED
TOTAL MITIGATION REQUIRED :									1,308 SF		
TOTAL MITIGATION PROVIDED :									1,902 SF		

TREE + PALM TRANSPLANTING PROCEDURAL SPECIFICATION

1. PURPOSE: TO MAXIMIZE THE SUCCESS OF TREE TRANSPLANTING OPERATIONS.

2. ALL STANDARDS SHALL MEET OR EXCEED THE ANSI A300 (PART 6) 2005 (TRANSPLANTING) STANDARD PRACTICES AND ANY APPLICABLE LOCAL CODES.

3. CONTRACTOR SHALL EMPLOY AN ISA CERTIFIED ARBORIST OR BIOLOGIST WITH VERIFIABLE TREE TRANSPLANT EXPERIENCE AS THE "EXPERT ARBORIST OF RECORD" TO CARRY OUT THE FOLLOWING DUTIES:

• SHALL MAKE SITE VISITS PRIOR TO AND DURING ANY RELOCATION WORK TO INSPECT THAT PROPER PREPARATION IS PERFORMED ACCORDING TO ALL APPLICABLE TREE RELOCATION GUIDELINES.

• SHALL DOCUMENT ALL INSPECTIONS AND PROVIDE REPORT TO THE OWNER'S AGENT WITHIN 5 BUSINESS DAYS OF SITE VISIT.

• SHALL SUBMIT PRIOR TO FINAL ACCEPTANCE BY OWNER'S AGENT, A POST-TRANSPLANT CARE GUIDE FOR UP TO THREE YEARS THAT INCLUDES WATERING, FERTILIZATION, PRUNING, PEST CONTROL, STAKING, ETC

C.M.B. CANOPY MITIGATION NOTES

THE CANOPY MITIGATION OF 1,308 SF AS REQUIRED BY C.M.D. CHAPTER 46 - ENVIRONMENT, DIVISION 2, TREE PRESERVATION AND PROTECTION ORDINANCE HAS BEEN MET AND EXCEEDED. A TOTAL 1,902 SF OF CANOPY HAS BEEN PROVIDED.

- CANOPY MITIGATION SUMMARY
- (3) BRIDAL VEIL TREES: 900 SF (MB category I @ 300 SF each)

(3) NATIVE PIGEON PLUM TREES: 450 SF (MB category II @ 150 SF each)

(3) NATIVE SIMPSON'S STOPPER TREES: 300 SF (MB Category III @ 100 SF each)

(5) COCONUT PALMS: 250 SF (MB category IV @ 50 SF each)

ARCHITECTURE UPDATES 05.16.18

1. UPDATED CANOPY MITIGATION TO REFLECT THE MINOR LANDSCAPE MODIFICATIONS. ALL CANOPY MITIGATION REQUIREMENTS HAVE BEEN MET AND EXCEEDED.

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 LEVEL-TECH SURVEYORS, LLC. DATED 09.09.15

3. THE INFORMATION AS PRESENTED HEREIN HAS BEEN FIELD VERIFIED BY THE LANDSCAPE ARCHITECT ON 10.22.15.

4. 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.

EXISTING TREE INVENTORY + DISPOSITION PLAN



seal

Christopher Cawley, R.A.
LA 666786

comm no.

1535

date:

04/29/2016

revised:

ARCHITECTURE
UPDATE 05.16.18

sheet no.

L-1

MIAMI BEACH RESIDENCE

409 E DILIDO DR,
MIAMI BEACH, FL 33139

CHRISTOPHER CAWLEY | CC

LANDSCAPE ARCHITECTURE LLC | LA

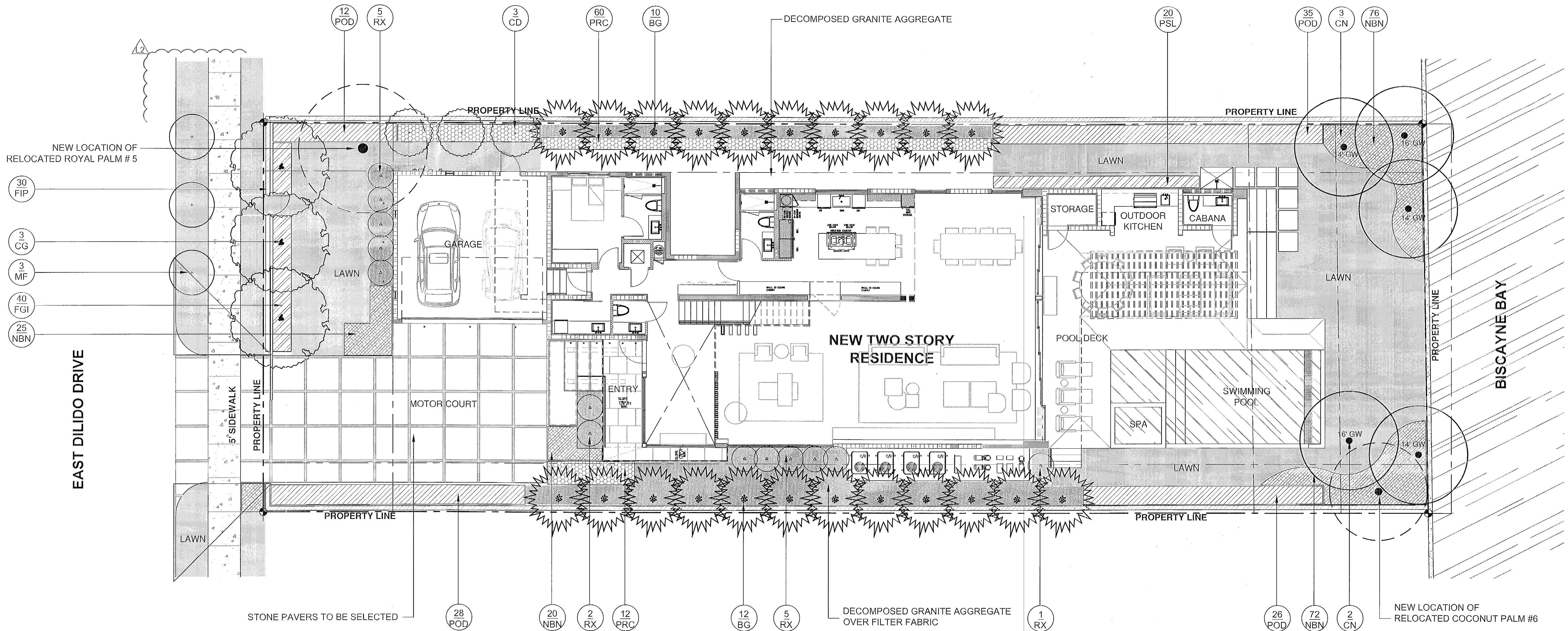
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LANDSCAPE PLAN NOTES

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



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

TREES
3 TREES REQUIRED PER LOT / 9 TREES PROVIDED MEETING MINIMUM REQUIREMENTS
(3 BRIDAL VEIL TREES + 3 NATIVE PIGEON PLUM TREES + 3 NATIVE SIMPSON'S STOPPER TREES PROVIDED)

NATIVE TREES
30% OF REQUIRED TREES OR .30 X 3 = .9 NATIVE TREES REQUIRED / 6 NATIVE TREES PROVIDED
(3 NATIVE PIGEON PLUM TREES + 3 NATIVE SIMPSON'S STOPPER TREES PROVIDED)

SHRUBS
10 SHRUBS REQUIRED FOR EACH REQUIRED TREE or 10 X (3) = 30 REQUIRED / 170 SHRUBS PROVIDED

NATIVE SHRUBS
30% OF TOTAL SHRUBS REQUIRED MUST BE NATIVE or .30 X 30 = 9 / 29 NATIVE SHRUBS PROVIDED
29 DWARF BAHAMA SHRUBS PROVIDED

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

IRRIGATION SYSTEM
100% COVERAGE PROVIDED PURSUANT TO MIAMI DADE CODE

C.M.B. CANOPY MITIGATION NOTES

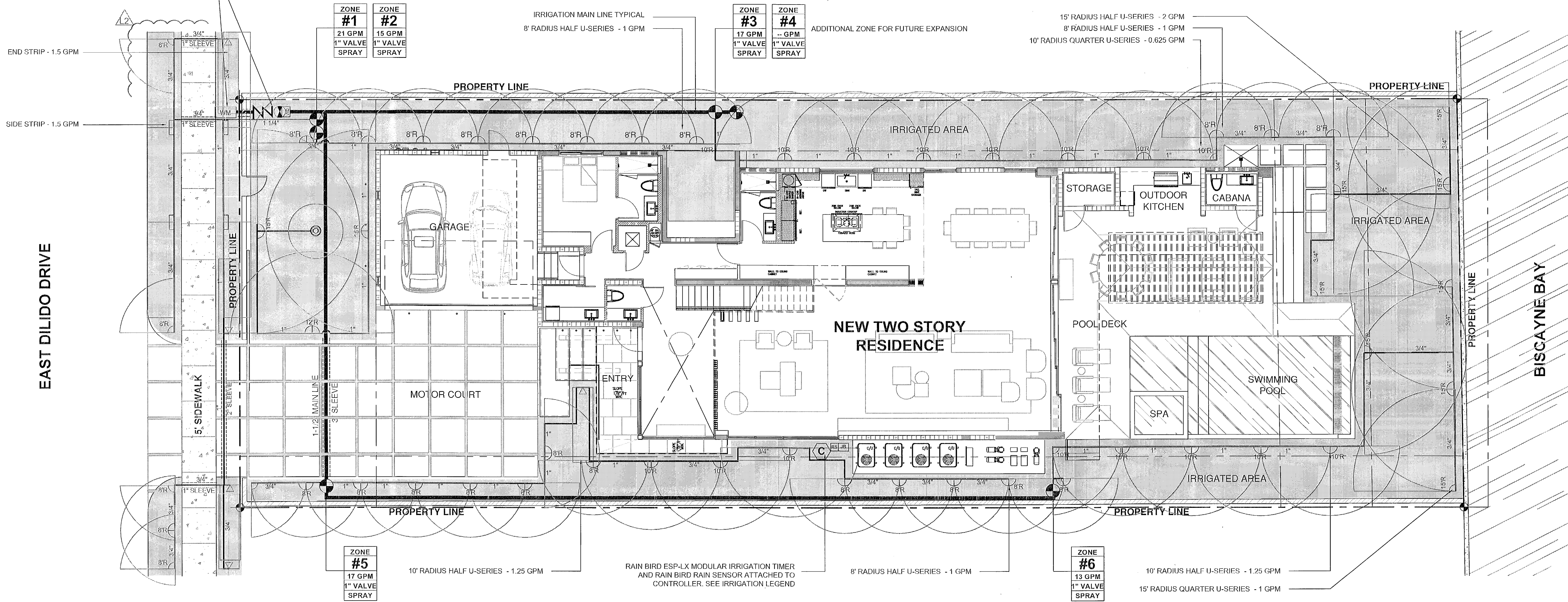
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CANOPY MITIGATION SUMMARY

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PLANTLIST - 409 EAST DILDO DR.					
KEY	NATIVE	QTY.	COMMON NAME	BOTANICAL NAME	HEIGHT, SPECIFICATION, & NOTES
TREES					
CD	YES	3	PIGEON PLUM TREE	Coccoloba diversifolia	65 gallon, 12' overall height min, 6' spread, 3" dbh, 5' c.t., equal to Treeworld Wholesale
CG	NO	3	BRIDAL VEIL TREE	Caesalpinia granadillo	200 gallon, 18' height min., 8' spread, 6' c.t., standard, specimen to be approved
CS	YES	ALT	SILVER BUTTWOOD TREE	Conocarpus erectus 'Sericeus'	100 gallon, 12' overall height, 5' c.t., multitrunk, equal to Treeworld Wholesale
MF	YES	3	SIMPSON'S STOPPER TREE	Myrcianthes fragrans	100 gallon, 12' overall ht min, 6' spread, 5' c.t., standard, equal to Treeworld Wholesale
PALMS					
CN	YES	5	'GR. MALAYAN' COCONUT PALM	Cocos nucifera 'Green Malayan'	Full heads, Florida Fancy, see landscape plans for grey wood
RX	NO	13	LADY PALM	Rhapis excelsa	4' overall height, full to base, equal to Treeworld Wholesale
BAMBOO					
BG	NO	22	GRACEFUL BAMBOO	Bambusa textilis 'Gracilis'	65 gallon, 18-20' overall height
SHRUBS					
FGI	NO	40	FICUS GREEN ISLAND	Ficus microcarpa 'Green Island'	3 gallon, full, 18" x 18" space 18" on center
POD	NO	101	PODOCARPUS	Podocarpus macrophyllus	45 gallon, 6' height, full, space 18" on center, or to create a consistent hedge
PSL	YES	29	DWARF BAHAMA COFFEE	Psychotria ligustrifolia	7 gallon, 24" x24", full, space 30" on center
TROPICALS, GROUNDCOVERS, + ACCENTS					
FIP	NO	30	CREEPING FIG	Ficus pumila	1 gallon, full 18" on center
NBN	NO	193'	NEOREGELIA BOSSANOVA	Same	1 gallon, full 18" on center
PRC	NO	72	PHILODENDRON 'ROJO CONGO'	Same	3 gallon, 24" x 24", full 24" on center
SOD, AGGREGATE & MULCH					
DGA			3/8" DECOMPOSED GRANITE AGGREGATE OR STONE TO BE SELECTED, INSTALLED OVER FILTER FABRIC AND WEED BARRIER MATERIAL / OLUMAR, 2" MIN. DEPTH		
MLC			DARK BROWN 'AMERICROW PREMIUM' SHREDDED ORGANIC MULCH (NO CYPRESS), TO BE DETERMINED		
SOD			SEASHORE PASPALUM or 'EMPIRE TURF' ZOYSIA GRASS - OVER 2" TOPSOIL BED, SEE PLANTING SPECS		

NEW 1" WATER METER & EXISTING RPZ BACKFLOW PREVENTION DEVICE FOR IRRIGATION SYSTEM. REFER TO CIVIL ENGINEER'S PLANS. PROVIDE MASTER GATE VALVE AFTER RPZ AND CONNECT TO IRRIGATION CONTROLLER



PIPE INSTALLATION + SLEEVE NOTES

FLORIDA BUILDING CODE - APPENDIX F PIPE INSTALLATION - DEPTH OF COVER		FLORIDA BUILDING CODE - APPENDIX F SLEEVE SIZES - PART V A-6	
VEHICLE TRAFFIC AREAS		WATER PIPE SIZE	SLEEVE SIZE
PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)	3/4"	1 1/2"
1/2" TO 2 1/2"	18" TO 24"	1"	2"
3" TO 6"	24" TO 30"	1 1/4"	2 1/2"
6" OR GREATER	30 TO 36"	1 1/2"	3"
NON-TRAFFIC AND NON-CULTIVATED AREAS		2"	4"
PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)	3"	6"
1/2" TO 1 1/4"	8" TO 12"	4"	8"
1 1/2" TO 2"	12" TO 18"	SLEEVES TO EXTEND A MIN. 3' BEYOND ALL PAVED AREAS, BACKFILL AND COMPACTION PER APPENDIX F	
2 1/2" TO 3"	18" TO 24"		
4" OR LARGER	24" TO 36"		

IRRIGATION INSTALLATION NOTES

PROVIDE ADDITIONAL ZONES TO ACCOMODATE FUTURE LANDSCAPE EXPANSION
LOCATION OF IRRIGATION LINES ARE SHOWN SCHEMATICALLY, FIELD ADJUST AS NECESSARY TO AVOID TRENCHING THROUGH EXISTING TREE OR PALM DRIPLINES

IRRIGATION PLAN NOTES

ALL MAIN LINES, LATERAL LINES and IRRIGATION SPRINKLER COMPONENT LOCATIONS ARE SHOWN SCHEMATICALLY AND SHALL BE ADJUSTED BASED ON FIELD CONDITIONS. ALL LANDSCAPES AREAS TO RECEIVE 100% COVERAGE WITH A MINIMUM 50% OVERLAP BY A FULLY AUTOMATIC IRRIGATION SYSTEM with RAIN SENSOR. AFTER SITE INVESTIGATION THE LANDSCAPE CONTRACTOR IS TO PROVIDE A 'SHOP DRAWING' DETAILING THE PROPOSED IRRIGATION SYSTEM DESIGN TO THE LANDSCAPE ARCHITECT AND GENERAL CONTRACTOR.

A ROUGH INSPECTION IS REQUIRED BY THE CITY OF MIAMI BEACH PRIOR TO TRENCH BACKFILLING AND A FINAL INSPECTION SHALL BE REQUIRED PRIOR TO COMPLETION OF IRRIGATION WORK.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) WATER RESTRICTIONS, PHASE II ARE IN EFFECT. NEW LANDSCAPE INSTALLATION SHALL BE EXEMPT PER SFWMD FOR A PERIOD OF SIXTY DAYS AFTER INSTALLATION with CONTRACTOR and/or OWNER TO ASSUME RESPONSIBILITY AFTER 60 DAY PERIOD.

USE EXTREME CAUTION IN ALL AREAS TO AVOID ROOTS OF EXISTING TREES, PALMS + VEGETATION. HAND EXCAVATE AS NECESSARY AND ADJUST ALL MAIN AND LATERAL IRRIGATION LINES BASED ON FIELD CONDITIONAL. TRENCHING THRU ROOT ZONES SHALL BE AVOIDED AND ALL IRRIGATION LINES ARE TO RUN OUTSIDE OF THE ROOT ZONES OF ALL EXISTING VEGETATION

IRRIGATION LEGEND

WM

1" IRRIGATION METER
REFER TO CIVIL ENGINEER'S PLANS

Z

RPZ (REDUCED PRESSURE ZONE)
REFER TO CIVIL ENGINEER'S PLANS

SV

1" MASTER VALVE FOR TOTAL SYSTEM
SHUT OFF. CONNECT TO CONTROLLER

C

RAINBIRD ESP-LX MODULAR SERIES
CONTROLLER W/ RAINBIRD RAIN SENSOR

RS

RAINBIRD RSD SERIES RAIN SENSOR
ATTACHED TO CONTROLLER

1" ELECTRIC VALVES-RAINBIRD PEB SERIES
OR APPROVED EQUAL, IN 10" ROUND VALVE BOX

JB

JUNCTION BOX w/ WATER PROOF CONNECTORS
REFER TO ELECTRICAL ENGINEER'S PLANS

1 1/2" PVC Main Supply Line - Sch 40

PVC LATERAL LINE (Sch. 160)

PIPE in SLEEVE (See Sizing Chart)

PIPE CONNECTION

PIPE CROSSING

ZONE
#1

25 GPM

1" VALVE

SPRAY

ZONE DESIGNATION & INFORMATION

GALLONS PER MINUTE

VALVE SIZE

IRRIGATION TYPE

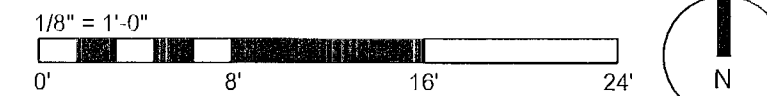
RAINBIRD 1800 PRS - U SERIES NOZZE
10", 12", 15" POP-UP / QUARTER, HALF, FULL
RADIUS DIAMETERS AS NOTED

RAINBIRD 1800 SERIES STRIP TYPE
15EST (END STRIP), 15 CST (CENTER STRIP) 1.5 GPM

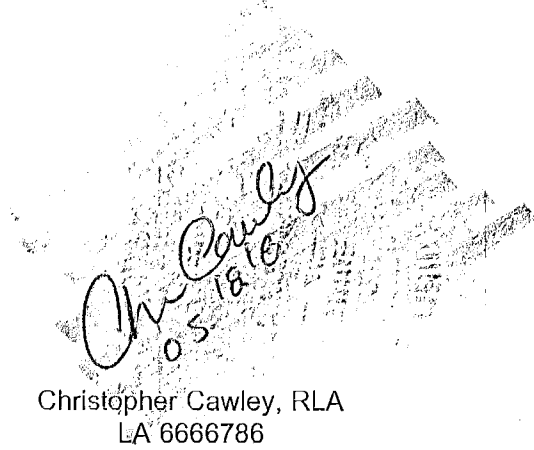
RAINBIRD -5 SERIES, MPR STREAM BUBBLER
NOZZLES, 5" RADIUS, 1.5 GPM



IRRIGATION PLAN



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