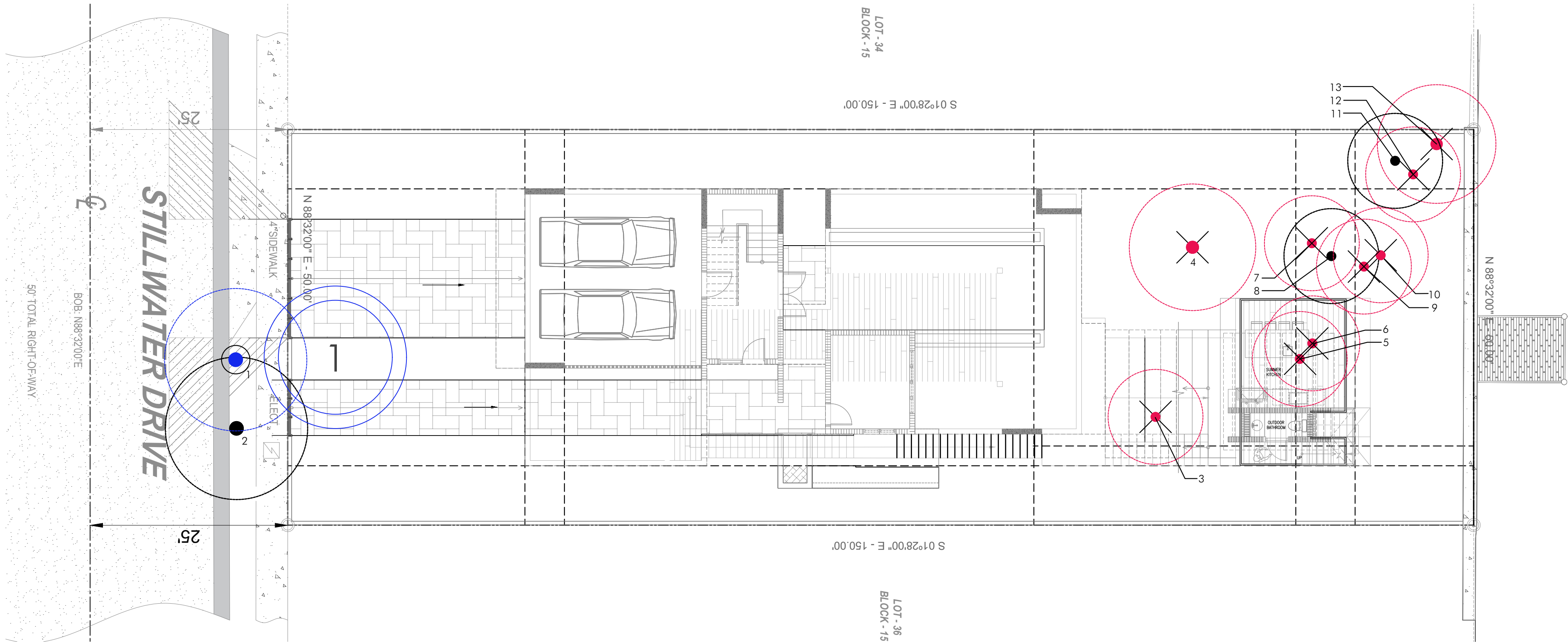


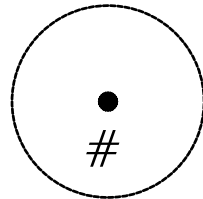
NOTES:
-BARRIER SHALL BE PLACED AT THE EDGE OF THE DRIPLINE OF THE TREE CANOPY OR AS FAR FROM THE TREE AS POSSIBLE WHERE THE CANOPY OVERHANGS PAVEMENT THAT IS TO REMAIN. BARRIER SHALL BE MAINTAINED IN AN UPRIGHT POSITION AT ALL TIMES.
-TREE PROTECTION FENCE (TPF) SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CLEARING, OR DEMOLITION, AND MAINTAINED THROUGHOUT CONSTRUCTION.
-REMOVE TPF ONLY WITH APPROVAL FROM URBAN FORESTER AFTER ALL SITE WORK HAS BEEN COMPLETED.
*NOTE: 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 the City of Miami Beach Code, the most current ANSI A300 Pruning Standards and/or on issued City Tree or Environmental Permit. Any corrective pruning required shall be performed by an ISA Certified Arborist and the City Urban Forester shall be consulted.

TREE PROTECTION DETAIL

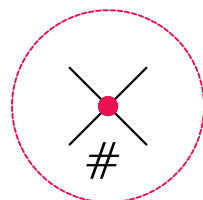
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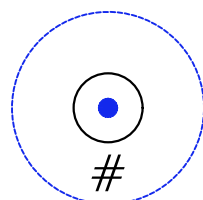
LEGEND



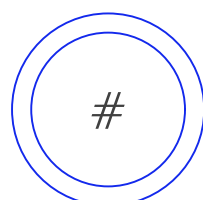
EXISTING TREE TO REMAIN



EXISTING TREE TO BE REMOVED



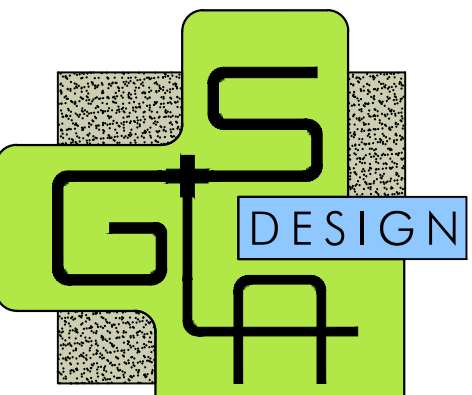
EXISTING TREE TO BE TRANSPLANTED



NEW LOCATION OF TRANSPLANTED TREE

EXISTING TREE DISPOSITION LIST							
KEY	BOTANICAL NAME	COMMON NAME	SIZE		DISPOSITION	NOTES	MITIGATION
			HT (ft.)	SPD (ft.)			DBH (in.)
1	Conocarpus erectus 'Sericeus'	Silver Buttonwood	14	18	6.75	Relocate	
2	Conocarpus erectus 'Sericeus'	Silver Buttonwood	14	18	6.25	Remain	
3	Manilkara zapota	Sapodilla	20	12	11	Remove	11
4	Manilkara zapota	Sapodilla	20	16	11	Remove	11
5	Cocos nucifera	Coconut Palm	32	15	10	Remove	2
6	Cocos nucifera	Coconut Palm	14	15	10	Remove	2
7	Cocos nucifera	Coconut Palm	18	15	10	Remove	2
8	Cocos nucifera	Coconut Palm	36	15	12	Remain	
9	Cocos nucifera	Coconut Palm	18	15	11	Remove	2
10	Cocos nucifera	Coconut Palm	18	15	8	Remove	2
11	Cocos nucifera	Coconut Palm	40	15	14	Remain	
12	Cocos nucifera	Coconut Palm	18	15	10	Remove	
13	Schefflera octinophylla	Umbrella Tree	18	15	11	Remove	2
TOTAL DBH INCHES TO BE REMOVED							34
TOTAL PALMS TO BE REMOVED							6
TOTAL DBH INCHES MITIGATION REQUIRED							24
TOTAL DBH INCHES MITIGATION PROVIDED							24

Note: There is a mitigation shortfall of x" DBH (x" DBH of trees and x" DBH in palms). There isn't sufficient room on site to plant these trees, therefore a donation to the City of Miami's Tree Trust Fund must be made in the amount of \$xx.xx.



GARDNER + SEMLER
LANDSCAPE ARCHITECTURE
WWW.GSLADesign.COM

17670 NW 78th AVE., SUITE 214
MIAMI, FL 33015
P 305.392.1016 F 305.392.1019
CORP. ID # 0000266

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1211 RESIDENCE
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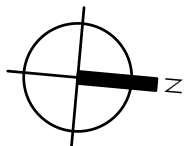


REV.	

TITLE
EXISTING TREE
DISPOSITION
PLAN

Ken Gardner
Karl Semler
DATE
4.11.2022
SCALE
as noted
SHEET
LA-101

FLA #1569
FLA #6667205



EXISTING TREE DISPOSITION PLAN

SCALE: 1" = 10'

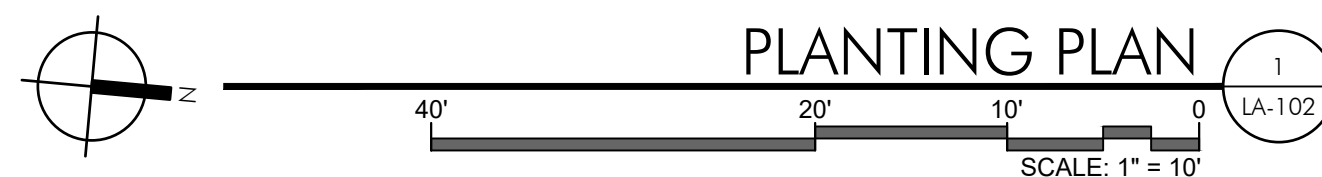
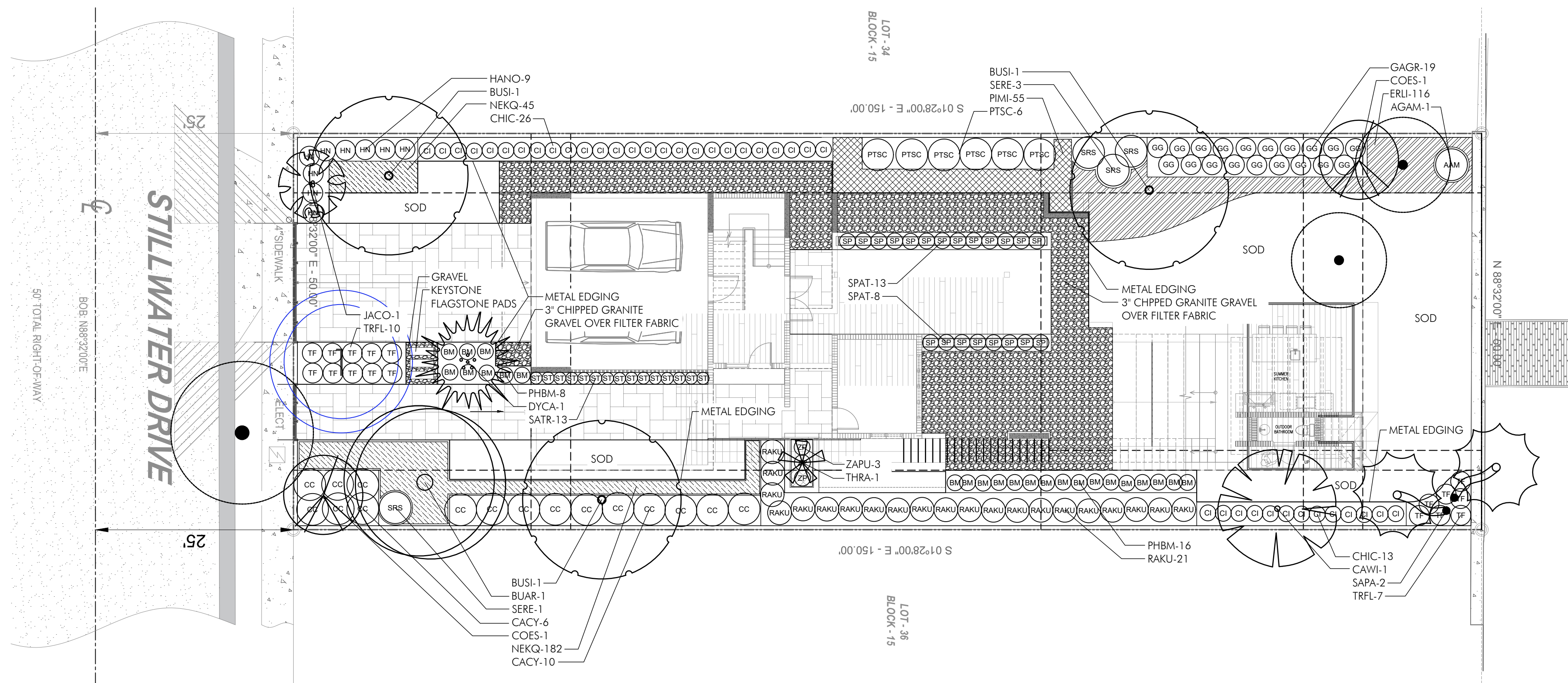
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LA-101

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PLANT LIST				
TREES				
KEY	PLANT NAME	QTY.	UT.	SIZE
BUAR	Bulnesia arborea ...Verawood	1	ea.	12" tall x 5" spread, 2" DBH, 4" CT min.
BUSI	Bournea simaruba ...Gumbo Limbo	3	ea.	14" tall x 6" spread, 3" DBH, 4" CT min.
CANW	Cawalla winterana ...Wild Cinnamonbark	1	ea.	12" tall x 5" spread, 2" DBH (4" DBH as street trees), 4" CT min.
COES	Conocarpus erectus var. "Sericeus" ...Silver Buttonwood	2	ea.	10" tall x 5" spread, multi-trunk adding 3" min., lifted to tree form
JACO	Caesalpinia granadillo ...Bridalveil Tree	1	ea.	6" tall x 6" spread, multi-trunk, lifted to tree form
PALMS				
KEY	PLANT NAME	QTY.	UT.	SIZE
DYCA	Dypsis diocadee ...Cabadia Palm	1	ea.	16" tall OA, triple trunks, heads varying heights
PTSC	Pythosperma schefferi ...Scheffer's Palm	6	ea.	6" tall OA, multi-trunk
SAPA	Sabal palmetto ...Sabal Palm	2	ea.	28" tall OA, smooth curved/character trunks, hurricane cut, slight lean in direction shown on plan
THRA	Thrinax radiata ...Florida Thatch Palm	1	ea.	5" tall OA
SHRUBS				
KEY	PLANT NAME	QTY.	UT.	SIZE
AGAM	Agave americana ...Century Plant	1	ea.	48" x 48"
CACY	Capparis cynophallophora ...Jamaica Caper	16	ea.	6' x 3', full to ground
CHIC	Chrysobalanus icaco ...Cocoplum	39	ea.	12" x 18"
GAGR	Galphimia gracilis ...Thryallis	19	ea.	24" x 24"
HANO	Hamelia nodosa ...Dwarf Firebush	9	ea.	24" x 24"
PHBM	Philodendron spp. "Burlt Max" ...Philodendron Burlt Max	24	ea.	18" x 18"
RAKU	Rodanemochora kunming ...Dwarf Jasmine Tree	21	ea.	36" x 24"
SATR	Sonseveria fasciata "Futura Supurba" ...Snake Plant	13	ea.	1 gal. cans, 12" tall min.
SERE	Serenoa repens var. "Silver" ...Silver Saw Palmetto	4	ea.	24" x 24"
SPAT	Spathiphyllum spp. ...Peace Lily	21	ea.	3 gal. cans, full
TRFL	Tripsacum floridanum ...Florida Gamagrass	17	ea.	3 gal. cans, full
ZAPU	Zamia pumila ...Coontie	3	ea.	24" x 18"
GROUNDCOVERS				
KEY	PLANT NAME	QTY.	UT.	SIZE
ERLU	Ernodea littoralis ...Golden Creeper	116	ea.	12" x 18"
NEKQ	Nephrolepis obliterata ...Kimberly Queen Fern	206	ea.	1 gal. cans, 12" o.c.
PIMI	Pilea microphylla ...Artillery Plant	55	ea.	1 gal. cans, 18" o.c.
MISCELLANEOUS				
Gravel	Chipped granite gravel	8	c.y.	3" over filter fabric
SOD	St. Augustine "CitraBlue"	as req.	s.f.	solid sod
	Planting Soil	as req.	c.y.	
	70% Silico Sand			
	20% Everglades Muck			
	10% Shredded Pinebark			
	Shredded Melaleuca Mulch	as req.	c.y.	3" layer in all shrub beds

CITY OF MIAMI BEACH		
LANDSCAPE LEGEND		
INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS		
Zoning District: RS-4	Lot Area: 7,500	Acres: 0.17
OPEN SPACE	REQUIRED/ ALLOWED	PROVIDED
A. Square feet of required Open Space as indicated on site plan: Front Yard (1500 sf)x50% = 750 + Back Yard (1125 sf)x75% = 844	750+844	845+966
B. Square feet of parking lot open space required as indicated on site		
Number of parking spaces 0×10 s.f. parking space =	0	0
C. Total square feet of landscaped open space required: A+B=	1,594	1,811
LAWN AREA CALCULATION		
A. Square feet of landscaped open space required	1,811	1,063
B. Maximum lawn area (sod) permitted= 50% x 1811 s.f.	906	0
TREES		
A. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements= 2 trees in front yard + 3 trees in back yard =	5	5
B. % Natives required: Number of trees provided x 30% =	2	6
C. % Low maintenance / drought and salt tolerant required: Number of trees provided x 50%=	3	8
D. Street Trees (maximum average spacing of 20' o.c.) 50 linear feet along street divided by 20'=	n/a	n/a
E. Street tree species allowed directly beneath power lines: (maximum average spacing of 20' o.c.): 50 linear feet along street divided by 20'=	3	3
SHRUBS		
A. Number of shrubs required: Sum of lot and street trees required x	96	187
B. % Native shrubs required: Number of shrubs provided x 50%=	48	88
LARGE SHRUBS OR SMALL TREES		
A. Number of large shrubs or small trees required: Number of required shrubs x 10%=	10	16
B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=	5	16



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PLANTING PLAN

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
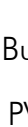
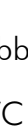
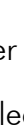
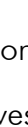
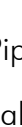
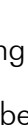














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TITLE

IRRIGATION PLAN

Ken Gardner	FLA #1569
Kiehl Semler	FLA #6667205
DATE	4.11.2022
SCALE	as noted
SHEET	IR-101

IRRIGATION MATERIALS LIST		
KEY	ITEM	QTY.
	PVC laterals shall be Class 200 PVC (sized as shown on plans)	as required
	MAIN shall be Class 200 PVC	as required
	Bubbler Zone Piping	as required
	PVC sleeves shall be Class 200 PVC (sized double the width of the pipe running through it)	as required
	Flexible PVC or Polypipe (for swing joints)	as required
	WATER METER (See Civil Plans)	1
	Electric Controller RAINBIRD ESP-TM2 Series Controller	1
	Rainbird RSD Series Rain Sensor (locate in area of free rainfall)	1
	RAINBIRD 200-PESB 2" Electromechanical Solenoid Control Valve	#
	Irrigation Control Wire	as required
	Rainbird 1" Inline Pressure Regulator (PSI-M40X-100)(drip zones not to exceed 40psi max)	as required
	RAINBIRD XFS Subsurface Dripline XFS-09-12-500/250/100 Air/Vacuum Relief Valves Kit (3/4" Air relief valve/ Easy Fit Compression Tee/ and Flush Cap)	as required
	Residential Wide Flow Control Zone Kit (XCZ-100-PRB-LC) (0.3-20 gpm)	1
	RAINBIRD 3-RC Quick Coupler Valve	1
	PVC Supply Header for dripperline Class 200 PVC	as required
	RAINBIRD Xeri-Bubbler UXB-360-1032 (.6 gpm)	14
	RAINBIRD Spray Heads 1800 @ 30 PSI Series w/MPR nozzles	as required
	6" pop-up in grass areas	
	12" pop-up on risers in shrub beds	
	10-F	(1.58 gpm)
	10-TQ	(1.18 gpm)
	10-H	(.79 gpm)
	10-T	(.53 gpm)
	10-Q	(.39 gpm)
	5-F	(.41 gpm)
	5-TQ	(.33 gpm)
	5-H	(.20 gpm)
	5-T	(.13 gpm)
	5-Q	(.10 gpm)
LATERAL PIPE SIZING		
The Contractor is responsible to properly size all laterals. All laterals shall be sized according to the following schedule. Total gallonage per pipe section shall be calculated be adding the GPM per head for every head downstream of the pipe.		
PIPE SIZING CHART		
SIZE	GPM	
3/4"	0-8 GPM	
1"	8-14 GPM	
1 1/4"	14-24 GPM	
1 1/2"	24-32 GPM	
2"	32-50 GPM	
2 1/2"	50-75 GPM	
3"	60-110 GPM	
4"	110-190 GPM	

