- 114 W SAN MARINO DRIVE - MIAMI BEACH, FL

DRB FINAL SUBMITTAL

SHEET INDEX

114 W SAN MARINO DRIVE SHEET INDEX		X = SHEET SUBMITTED		· = SHEET REVISED			
SHEET #		DRB SUBMITTAL 07/12/2021		DRB FINAL SUBMITTAL 08/02/2021			
L-0	COVER SHEET + SHEET INDEX	X	·	X			
L-1	TREE DISPOSITION PLAN AND SCHEDULE	X	·	X			
L-1.1	TREE MITIGATION PLAN AND SCHEDULE	X	·	X			
L-2	OVERALL SITE PLAN	X	·	X			
L-5	CANOPY PLANTING PLAN AND SCHEDULE	X	·	X			
L-5.1	UNDERSTORY PLANTING PLAN AND SCHEDULE	X	·	X			
L-5.2	LANDSCAPE LEGEND AND DIAGRAM	X	·	X			
L-5.3	PLANTING DETAILS	X	·	X			

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SAN MARINO RESIDENCE

MIAMI BEACH, FL

SITE ADDRESS:

114 W. SAN MARINO DRIVE,
MIAMI BEACH, FL. 33139

LANDSCAPE ARCHITECT:

CLAD
8020 NE 4TH AVE, STUDIO 113
MIAMI, FL 33138
(786) 536-6075
INFO@CLADLANDSCAPE.COM

SEAL:

Carolina Monteiro

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Date: 2021.07.30 10:46:30 -04'00'

CAROLINA MONTEIRO DA SILVA
REGISTERED LANDSCAPE ARCHITECT
LA6667311

DRAWING TITLE:

COVER SHEET

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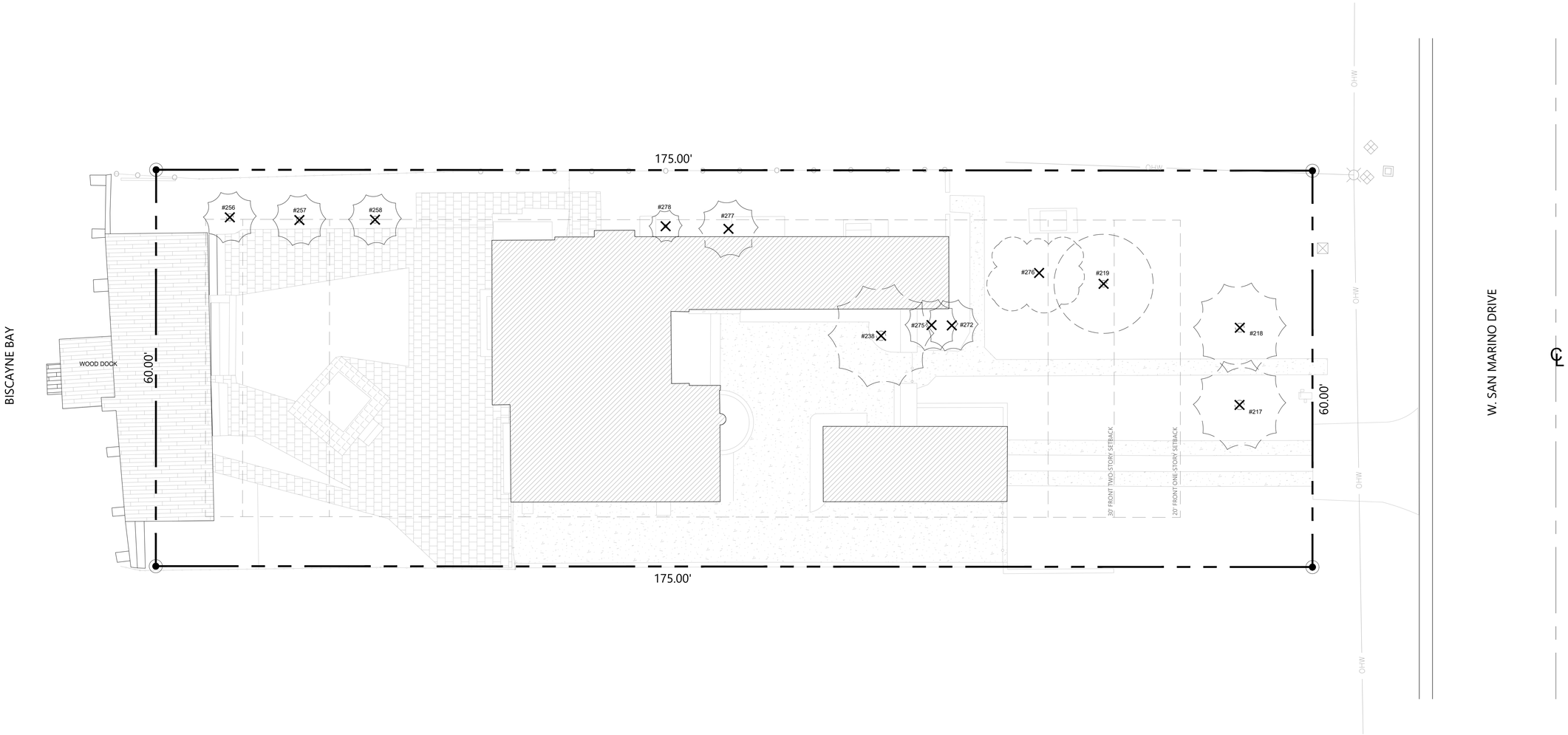
REVISIONS:

ISSUE	DATE
CONCEPT DESIGN	07/02/21
CONCEPT DESIGN REV1	07/07/21
DRB SUBMISSION	07/12/21
DRB FINAL SUBMISSION	08/02/21

SCALE:
1/8" = 1'-0"

PROJ. N°:
2120

SHEET N°:
L-0



TREE DISPOSITION SYMBOL LEGEND

- #00 — PALM TO BE REMOVED
- #00 — TREE TO BE REMOVED
- CURRENT RESIDENCE WITHIN PROPERTY BOUNDARY

114 W SAN MARINO DRIVE - TREE DISPOSITION SCHEDULE

NEW #	SCIENTIFIC NAME	COMMON NAME	DBH (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	NOTES
217	*Phoenix dactylifera*	DATE PALM	17	28	14	GOOD	REMOVE	
218	*Phoenix dactylifera*	DATE PALM	16	28	14	GOOD	REMOVE	
219	*Caesalpinia granadillo*	BRIDALVEIL	6	27	15	POOR	REMOVE	
238	*Bismarckia Nobilis*	BISMARCK PALM	17	24	16	GOOD	REMOVE	
256	*Hyophorbe verschaffeltii*	SPINDLE PALM	13	13	8	FAIR	REMOVE	NOT REGULATED
257	*Hyophorbe verschaffeltii*	SPINDLE PALM	10.5	13	8	FAIR	REMOVE	NOT REGULATED
258	*Hyophorbe verschaffeltii*	SPINDLE PALM	12.5	14	8	FAIR	REMOVE	NOT REGULATED
272	*Phoenix roebelenii*	PYGMY DATE PALM	5	10	8	GOOD	REMOVE	NOT REGULATED
275	*Phoenix roebelenii*	PYGMY DATE PALM	4	10	8	GOOD	REMOVE	NOT REGULATED
276	*Hibiscus rosa-sinensis*	HIBISCUS	9	6	15	FAIR	REMOVE	SHRUB NOT REGULATED
277	*Dracaena marginata*	DRACAENA	10	14	9	GOOD	REMOVE	NOT REGULATED
278	*Dracaena marginata*	DRACAENA	6	9	5	FAIR	REMOVE	NOT REGULATED

TREE DISPOSITION SUMMARY

	TOTAL	REMAIN	REMOVE	RELOCATE
TREES/PALMS	12	*0*	4	0
TREES/PALMS NOT REGULATED			8	
TOTAL			**12**	

0 5 10 20

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TREE DISPOSITION PLAN AND SCHEDULE

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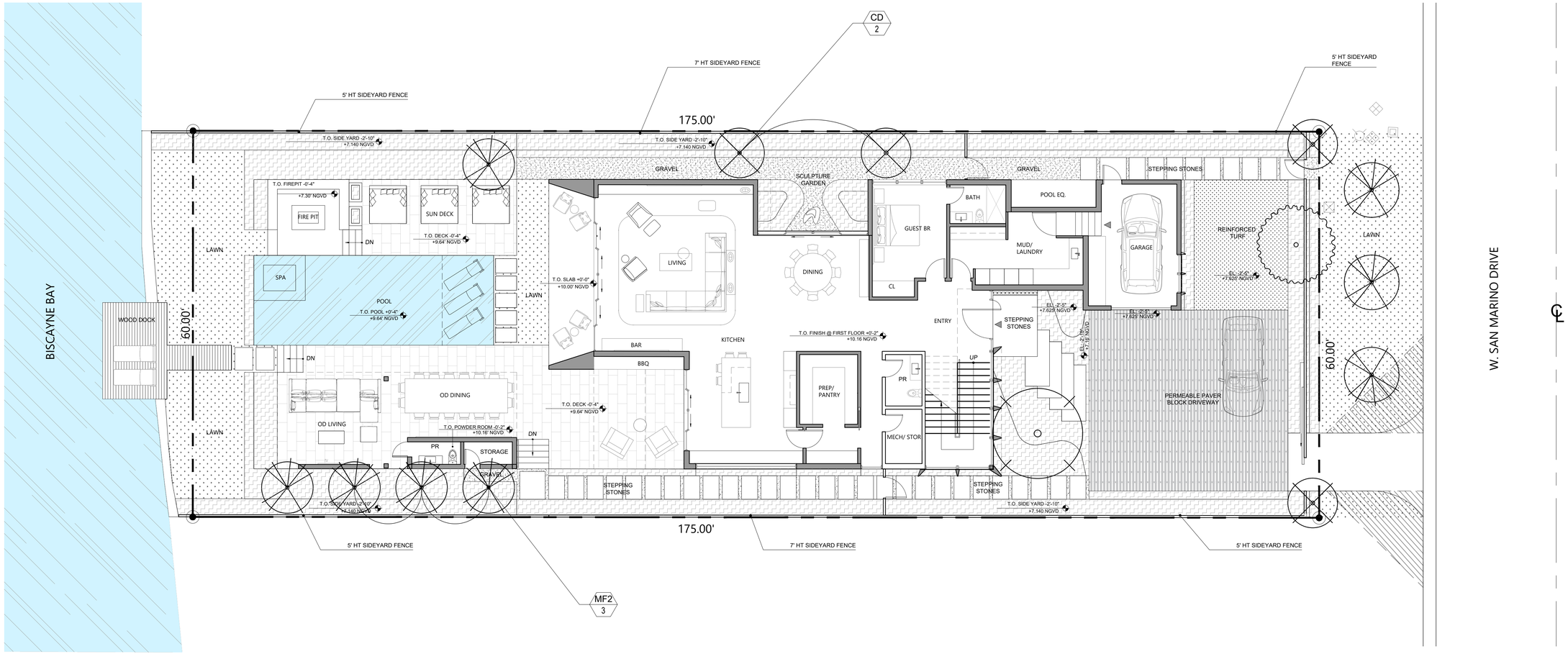
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DRB FINAL SUBMISSION	08/02/21

SCALE: 1/8" = 1'-0"

PROJ. N°: 2120

SHEET N°: L-1



SYMBOL LEGEND

XX / X — PROPOSED TREES

114 W SAN MARINO DRIVE - TREE DISPOSITION SCHEDULE

NEW #	SCIENTIFIC NAME	COMMON NAME	DBH (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	NOTES	TREES/ DBH REMOVED	PALMS REMOVED
217	*Phoenix dactylifera*	DATE PALM	17	28	14	GOOD	REMOVE			1
218	*Phoenix dactylifera*	DATE PALM	16	28	14	GOOD	REMOVE			1
219	*Caesalpinia granadillo*	BRIDALVEIL	6	27	15	POOR	REMOVE		6	-
238	*Bismarckia Nobilis*	BISMARCK PALM	17	24	16	GOOD	REMOVE			1
256	*Hyophorbe verschaffeltii*	SPINDLE PALM	13	13	8	FAIR	REMOVE	NOT REGULATED		N/A
257	*Hyophorbe verschaffeltii*	SPINDLE PALM	10.5	13	8	FAIR	REMOVE	NOT REGULATED		N/A
258	*Hyophorbe verschaffeltii*	SPINDLE PALM	12.5	14	8	FAIR	REMOVE	NOT REGULATED		N/A
272	*Phoenix roebelenii*	PYGMY DATE PALM	5	10	8	GOOD	REMOVE	NOT REGULATED		N/A
275	*Phoenix roebelenii*	PYGMY DATE PALM	4	10	8	GOOD	REMOVE	NOT REGULATED		N/A
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277	*Dracaena marginata*	DRACAENA	10	14	9	GOOD	REMOVE	NOT REGULATED		N/A
278	*Dracaena marginata*	DRACAENA	6	9	5	FAIR	REMOVE	NOT REGULATED		N/A

TOTAL DBH TO BE MITIGATE:	6	
TOTAL PALMS TO BE MITIGATE:		3

TREES USED FOR MITIGATION

SYM	QTY	SCIENTIFIC NAME	COMMON NAME	NATIVE	NOTES
MF2	3	*Myrcianthes fragans*	SIMPSON'S STOPPER	Y	MINIMUM 12' HT; 4" DBH
CD	2	*Coccoloba diversifolia*	PIGEON PLUM	Y	MINIMUM 12' HT; 4" DBH
TOTAL:	**5**	*TREES USED FOR MITIGATION DIVIDED IN 2 SPECIES*			

MITIGATION CALCULATION:
REMOVAL OF **6"** DBH OF TREE + **3** PALMS, EQUIVALENT TO:
5 REPLACEMENT TREES (MIN. 2" CALIPER, 6' CANOPY, 12' HT) REQUIRED, OR
4 REPLACEMENT TREES (MIN. 4" CALIPER, 8' CANOPY, 16' HT) REQUIRED
2 TREES MUST BE NATIVE (30% OF REQUIRED 12' HT TREES)

SPECIES DIVERSITY:
1-10 OR GREATER: 2 SPECIES

THE CODE IS BEING MET BY USING:
1 TREE AND 3 PALMS EQUIVALENT TO:
5 TREES (MIN. 2" CALIPER, 6' CANOPY, 12' HT)

0 5 10 20

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DRAWING TITLE:

TREE MITIGATION PLAN AND SCHEDULE

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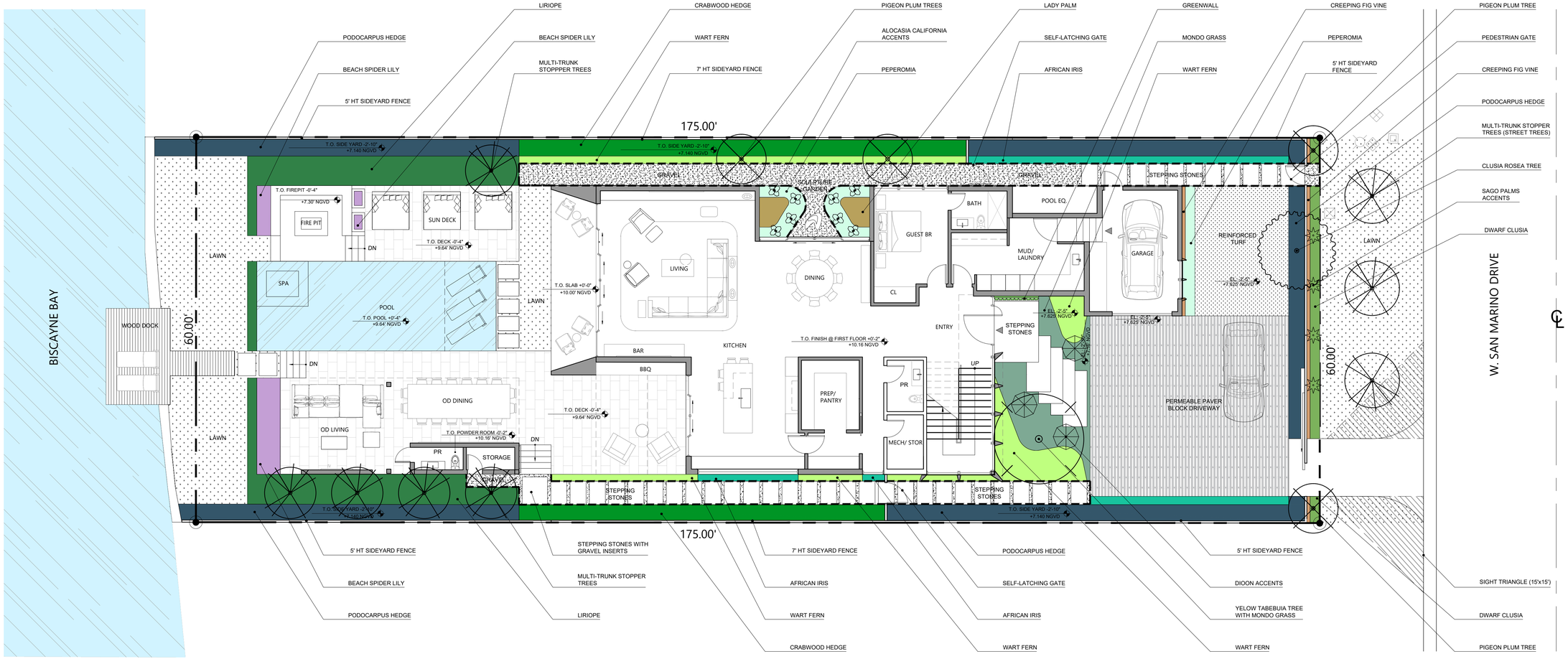
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DRB SUBMISSION	07/12/21
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SCALE: 1/8" = 1'-0"

PROJ. N°: 2120

SHEET N°: L-1.1



0 5 10 20

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OVERALL SITE PLAN

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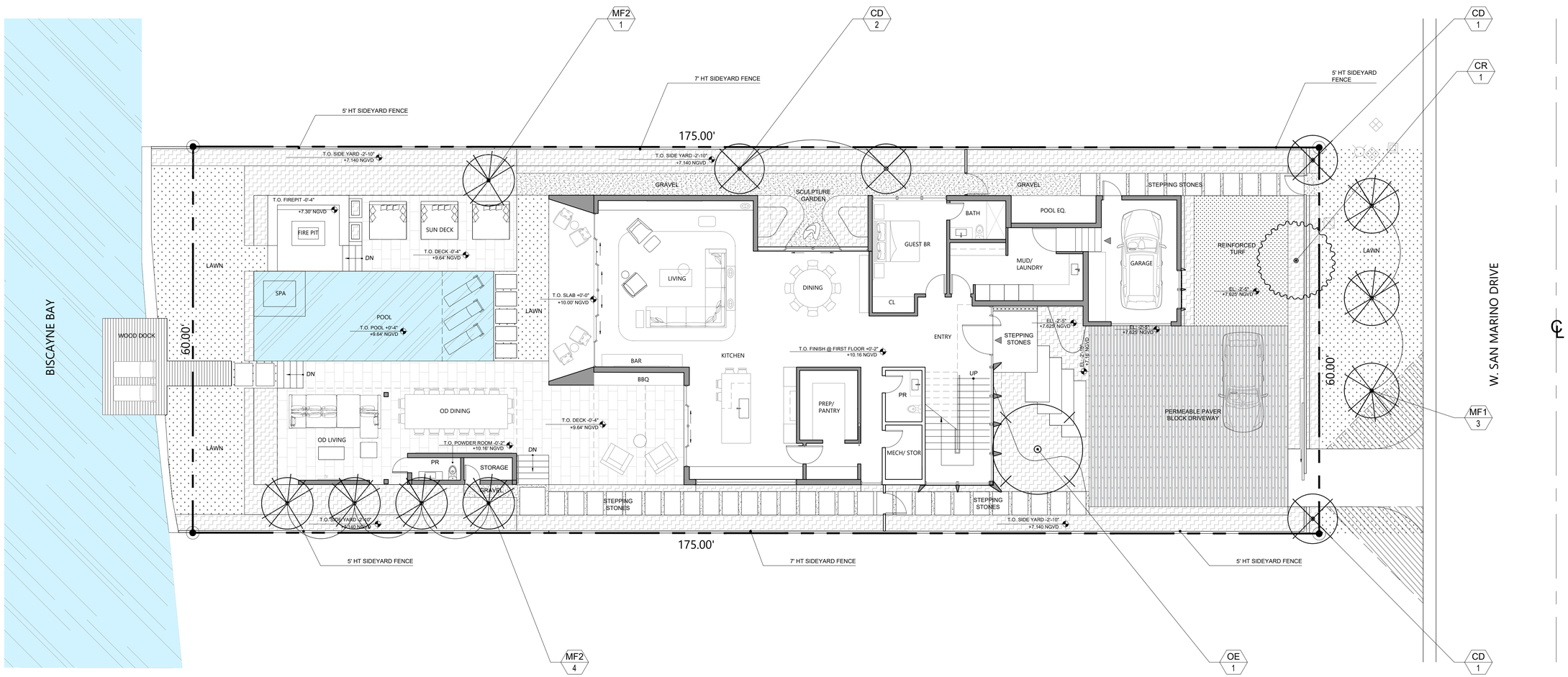
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DRB FINAL SUBMISSION	08/02/21

SCALE:
1/8" = 1'-0"

PROJ. N°:
2120

SHEET N°:
L-2



SYMBOL LEGEND

XX / X PROPOSED TREES

LANDSCAPE SCHEDULE - SAN MARINO				
STREET TREES				
MF1	3	*Myrcianthes fragrans*	12' HT, 6' SP, MULTI-TRUNK	Y
		SIMPSON'S STOPPER	FG	
TREES				
TC	1	*Tabebuia caraiba*	16' HT (MIN), 12' SP, 6" CALIPER, CHARACTER	N
		YELLOW TABEBUIA TREE	FG	
CR	1	*Clusia rosea*	14' HT, 12' SP, 6" DBH	Y
		AUTOGRAPH TREE	FG	
MF2	5	*Myrcianthes fragrans*	14' HT, 8' SP, MULTI-TRUNK	Y
		SIMPSON'S STOPPER	FG	
CD	4	*Coccoloba diversifolia*	14' HT; 6-8' SP, 4" DBH	Y
		PIGEON PLUM	FG	

0 5 10 20

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CANOPY PLANTING PLAN AND SCHEDULE

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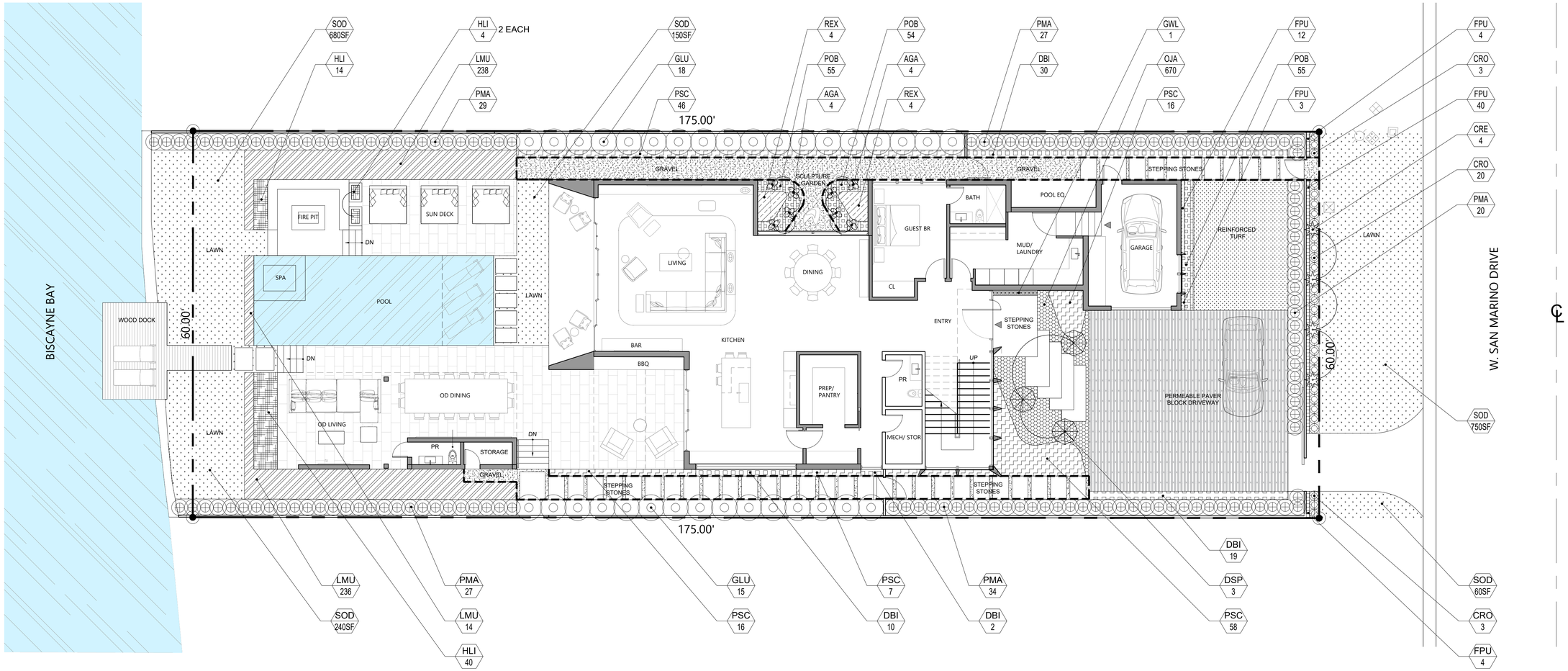
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SCALE: 1/8" = 1'-0"

PROJ. N°: 2120

SHEET N°: L-5



SYMBOL LEGEND

XX / X — PROPOSED SHRUBS, ACCENTS AND GROUNDCOVERS

LANDSCAPE SCHEDULE - SAN MARINO

LARGE SHRUBS				
GLU	33	*Gymnanthes lucida*	8 HT, 4' SP, 48" O.C, BUSH, FULL TO BASE	Y
		CRABWOOD	25G	
SHRUBS				
PMA	137	*Podocarpus macrophyllus*	7' HT, 30' SP, 24"O.C	N
		PODOCARPUS	25G	
REX	8	*Rhapis excelsa*	5' HT, 4' SP, FULL TO BASE	N
		LADY PALM	15G	
CRO	26	*Clusia rosea 'nana'*	18" HT, 18" O.C	Y
		DWARF CLUSIA	3G	
PSC	143	*Phymatosorus scolopendria*	18" HT, 18" O.C	N
		WART FERN	3G	
DBI	61	*Dietes bicolor*	18" HT, 20" O.C	N
		AFRICAN IRIS	3G	
HLI	58	*Hymenocallis littoralis*	15" HT, 15" O.C	Y
		BEACH SPIDER LILY	7G	
ACCENTS				
DSP	3	*Dioon spinulosum*	4' HT, 4' SP	N
		GIANT DIOON	15G	
AGA	8	*Alocasia gagaena California*	3' HT, 3' SP	N
		ALOCASIA CALIFORNIA	7G	
CRE	4	*Cycas revoluta*	30" HT (MIN), 30" SP	N
		SAGO PALM	15G	

GROUNDCOVERS				
LMU	488	*Liriope muscari 'Super Blue'*	12" HT, 12" O.C	N
		LILYTURF	1G	
POB	164	*Peperomia obtusifolia*	10" HT, 10" O.C	Y
		PEPEROMIA	1G	
OJA	670	*Ophiopogon japonicus*	6" HT, 6" O.C	N
		MONDO GRASS	4" PLUGS	
VINES				
FPU	63	*Ficus pumila*	12" HT, 12" O.C	N
		CREEPING FIG	1G	
SOD				
SOD	1,620 SF	*Zoysia ssp.*	STAGGERED AND BUTTED JOINTS	N
		GEO ZOYSIA		
TURF	300 SF	*Artificial turf*	STAGGERED AND BUTTED JOINTS	N
		REINFORCED TURF		
OTHERS				
GWL	1	*Mixed species*	BY VERDE VERTICAL	N/A
		GREEN WALL		

0 5 10 20

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UNDERSTORY PLANTING PLAN AND SCHEDULE

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SCALE: 1/8" = 1'-0"

PROJ. N°: 2120

SHEET N°: L-5.1

CITY OF MIAMI BEACH

LANDSCAPE LEGEND

INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS

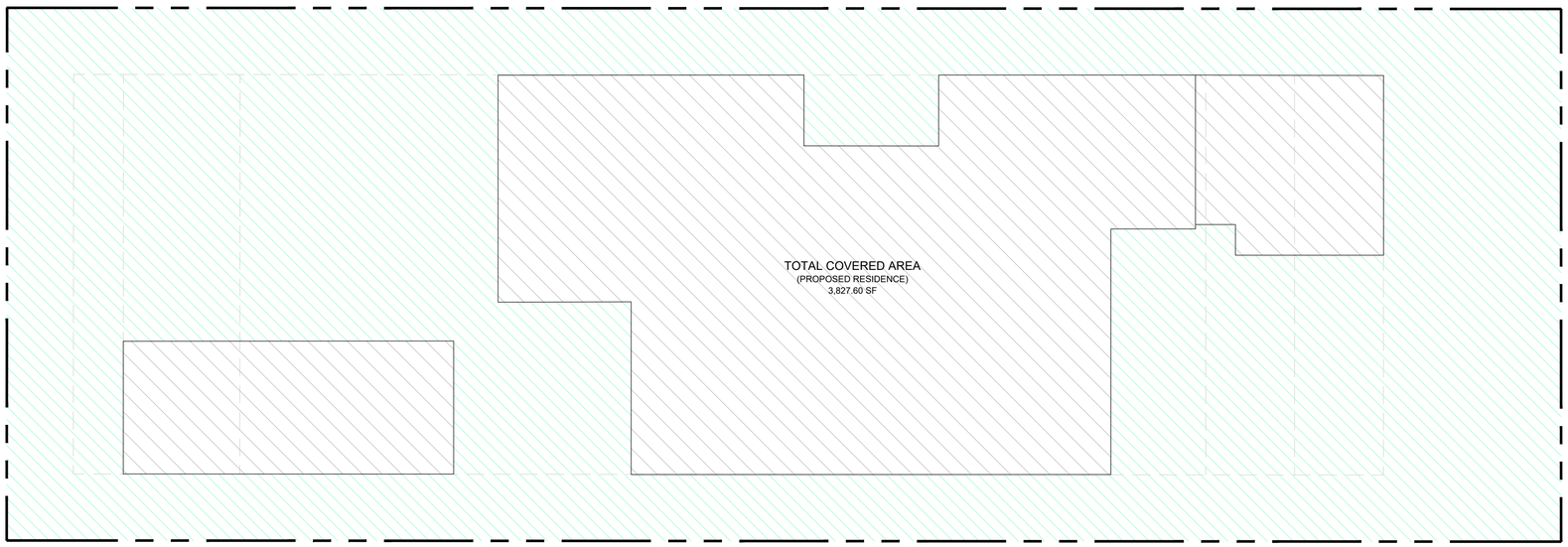
Zoning District_RS-3_____ Lot Area _10,500 SF Acres_____0,24__ ____

	REQUIRED/ ALLOWED	PROVIDED
OPEN SPACE		
A. Square feet of required Open Space as indicated on site plan: Lot Area = 10,500 s.f.x 50 % = 5,250 s.f.	5,250	6,672.40
B. Square feet of parking lot open space required as indicated on site Number of parking spaces __N/A_____ x 10 s.f. parking space =	N/A	N/A
C. Total square feet of landscaped open space required: A+B=	5,250	6,672.40
LAWN AREA CALCULATION		
A. Square feet of landscaped open space required	5,250	6,672.40
B. Maximum lawn area (sod) permitted= _50_ % x _5,250__ s.f.	2,625	1,620
TREES		
A. Number of trees required per lot or net lot acre= __5_____ trees + ____5____ net lot acres =	10	
B. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements = ____10_____ trees - number of existing trees _0__=	10	11
C. % Natives required: Number of trees provided x 30% =	4	10
D. % Low maintenance / drought and salt tolerant required: Number of trees provided x 50%=	6	9
E. Street Trees (maximum average spacing of 20' o.c.) ___60_____ linear feet along street divided by 20'=	3	3
F. Street tree species allowed directly beneath power lines: (maximum average spacing of 20' o.c.): _____60_____ linear feet along street divided by 20'=	N/A	N/A
G. Number of total trees required (lot + street) =	13	
SHRUBS		
A. Number of shrubs required: Sum of lot and street trees required x 12	156	162
B. % Native shrubs required: Number of shrubs provided x 50%=	81	84
LARGE SHRUBS OR SMALL TREES		
A. Number of large shrubs or small trees required: Number of required shrubs x 10%=	16	16
B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=	8	16

SPECIES DIVERSITY

Required number of tree species: 3

Provided proposed tree species: 3



OPEN SPACE DIAGRAM

OPEN SPACE AREA:

LOT AREA: 10,500 SF
OPEN SPACE REQUIRED: 5,250 SF (LOT AREA X 50%)
OPEN SPACE PROVIDED: 6,672.40 SF

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DRAWING TITLE:

LANDSCAPE LEGEND AND OPEN SPACE DIAGRAM

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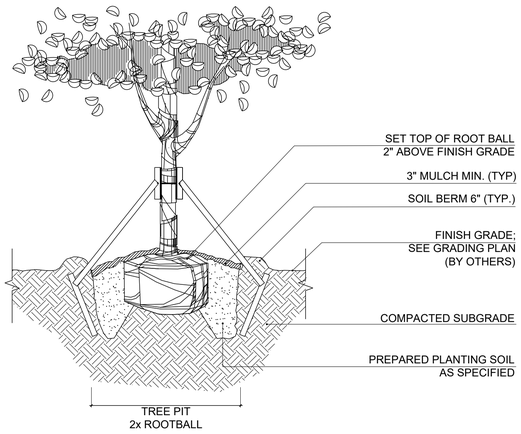
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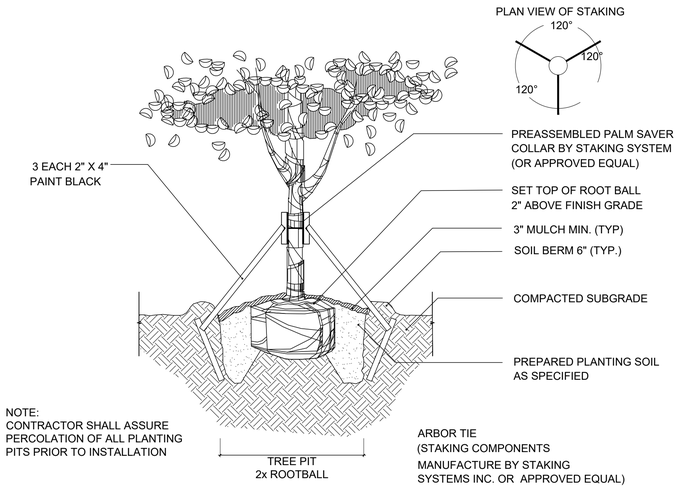
SHEET N°: L-5.2



NOTE:
CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION

1 SPECIMEN TREE PLANTING DETAIL

SCALE: N.T.S.

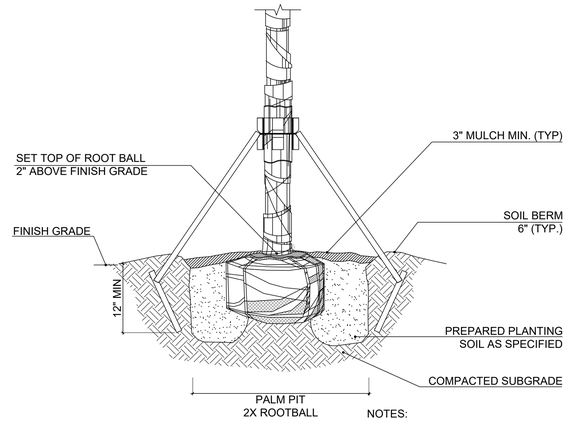


NOTE:
CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION

ARBOR TIE
(STAKING COMPONENTS
MANUFACTURE BY STAKING
SYSTEMS INC. OR APPROVED EQUAL)

2 SPECIMEN TREE STAKING DETAIL

SCALE: N.T.S.

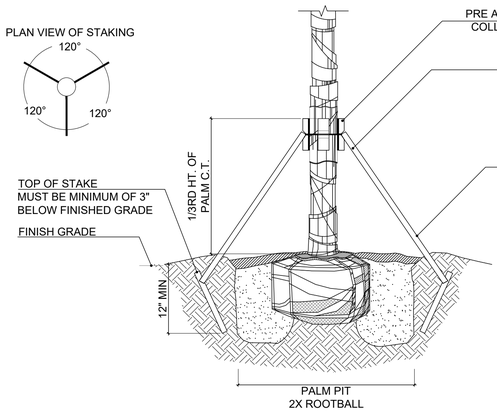


NOTES:

1. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.
2. SOIL BERMS ARE TO BE CONSTRUCTED AT RIGHT ANGLES TO THE TREE OR SHRUB OR IN THE POSITION WHICH WILL MOST EFFECTIVELY SERVE THE PURPOSE OF RETAINING WATER AT THE BASE OF THE PLANT.

3 PALM PLANTING DETAIL

SCALE: N.T.S.

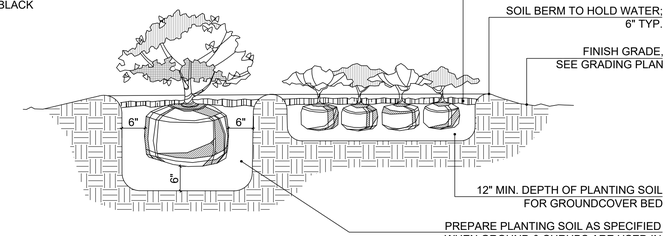


NOTES:

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2. SOIL BERMS ARE TO BE CONSTRUCTED AT RIGHT ANGLES TO THE TREE OR SHRUB OR IN THE POSITION WHICH WILL MOST EFFECTIVELY SERVE THE PURPOSE OF RETAINING WATER AT THE BASE OF THE PLANT.

4 PALM STAKING DETAIL

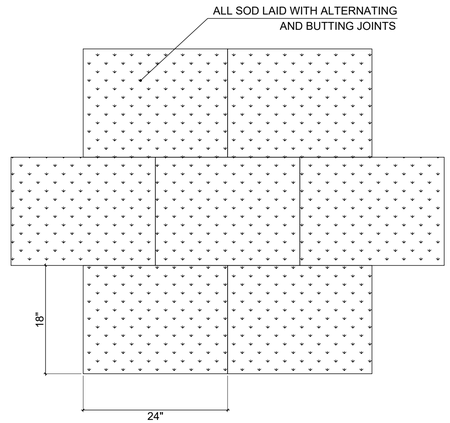
SCALE: N.T.S.



NOTE:
CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS/ BEDS PRIOR TO INSTALLATION

5 SHRUB AND GROUNDCOVER PLANTING DETAIL

SCALE: N.T.S.



NOTE: PROVIDE 2"-3" OF TOP SOIL FOR FINAL GRADING PRIOR TO LAY DOWN SOD

6 SOD PLANTING DETAIL

SCALE: N.T.S.

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SEAL:

Carolina Monteiro
Digitally signed by Carolina Monteiro
Date: 2021.07.30 10:48:43 -04'00'

CAROLINA MONTEIRO DA SILVA
REGISTERED LANDSCAPE ARCHITECT
LA6667311

DRAWING TITLE:

PLANTING DETAILS

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REVISIONS:

ISSUE	DATE
CONCEPT DESIGN	07/02/21
CONCEPT DESIGN REV1	07/07/21
DRB SUBMISSION	07/12/21
DRB FINAL SUBMISSION	08/02/21

SCALE: 1/8" = 1'-0"

PROJ. N°: 2120

SHEET N°: L-5.3