

#	SCIENTIFI NAME	COMMON NAME	DBH in	HGT ft	CAN ft	CRZ ft	CONDITION	DISPOSITION
1	<i>Veitchia merrillii</i>	Manila palm	5.66	22	6	5.66	Good	Remain
2	<i>Adonidia merrilli</i>	Christmas palm	4	18	8	4	Good	RELOCATE
3	<i>Bulnesia arborea</i>	Verawood	3	16	12	3	Good	Remain
4	<i>Adonidia merrilli</i>	Christmas palm	6	16	12	6	Good	RELOCATE
5	<i>Pandanus utilis</i>	Common screw- pine	6	18	12	6	Good	RELOCATE
6	<i>Roystonea regia</i>	Florida royal palm	16	45	16	16	Good	RELOCATE
7	<i>Roystonea regia</i>	Florida royal palm	16	35	16	16	Good	RELOCATE
8	<i>Roystonea regia</i>	Florida royal palm	16	45	16	16	Good	RELOCATE
9	<i>Roystonea regia</i>	Florida royal palm	16	40	16	16	Good	RELOCATE
10	<i>Roystonea regia</i>	Florida royal palm	36	30	16	36	Good	RELOCATE
11	<i>Roystonea regia</i>	Florida royal palm	17	45	16	17	Good	RELOCATE
12	<i>Roystonea regia</i>	Florida royal palm	17	45	16	17	Good	RELOCATE
13	<i>Roystonea regia</i>	Florida royal palm	17	45	16	17	Good	RELOCATE
14	<i>Adonidia merrilli</i>	Christmas palm	5	18	8	5	Good	RELOCATE
15	<i>Adonidia merrilli</i>	Christmas palm	5	18	8	5	Good	RELOCATE
16	<i>Cocos nucifera</i>	Coconut palm	11	30	12	11	Good	RELOCATE
17	<i>Cocos nucifera</i>	Coconut palm	11	25	18	11	Good	RELOCATE
18	<i>Washingtonia robusta</i>	Mexican washingtonia	13	45	10	13	Good	REMOVE

Diagram illustrating the removal of existing palms and relocation of existing trees:

- EXISTING PALMS TO REMAIN:** A solid black dot at the center of a solid black crosshair.
- EXISTING PALMS TO BE RELOCATED:** A solid black dot at the center of a dashed black crosshair.
- EXISTING PALMS TO BE REMOVED:** A solid black dot at the center of a solid black crosshair, with the four quadrants shaded gray.
- EXISTING TREES TO BE RELOCATED:** A solid black dot at the center of a dashed black circle.

The image contains two technical diagrams illustrating tree protection methods.

WOOD BARRIER DETAIL: This diagram shows a cross-section of a tree with a wooden barrier installed around its base. The barrier consists of horizontal framing studs and vertical posts. Key dimensions and components include:

- Overall Dimension to Protect Roots:** Indicated by a horizontal line at the base of the barrier.
- Vertical Dimensions:** The barrier is 4" MIN. high above ground and 2" MIN. thick.
- Components:** 4" x 4" Pressure Treated Pine Posts, 2" x 6" Pressure Treated Pine Framing Studs, and a Drip Line.
- Note:** "NOTE: BARRIER TO FORM CONTINUOUS CIRCLE AROUND THE TREE OR GROUP OF TREES"

PALM BRACING DETAIL: This diagram shows a cross-section of a palm tree with a complex bracing system. Key dimensions and components include:

- Trunk Protection:** 2" x 4" Braces between all palms, toe-nailed to battens, with 5 turns of Brown Burlap® on the trunk.
- Bracing Structure:** 4" Deep Inside Saucer and 2" Mulch, 1" Clear, 1'-6" (MIN) bracing, and 1'-0" (MIN) curb.
- Root Protection:** Plunge Root Ball 1'-6" and 6" MIN. planting soil.
- Stake Bracing:** (3) 2" x 4" Braces with 2" x 4" stakes at base, toe-nail both ends of stake.
- Soil Levels:** Existing Soil and Planting Soil.

IT IS CRITICAL TO EXISTING TREE SURVIVAL TO PROVIDE PROTECTION DURING CONSTRUCTION. THIS DETAIL CAN BE USED AROUND ONE OR MORE TREES AND WILL PROVIDE PROTECTION FROM CONSTRUCTION EQUIPMENT.

WIRE MESH BARRIER DETAIL °

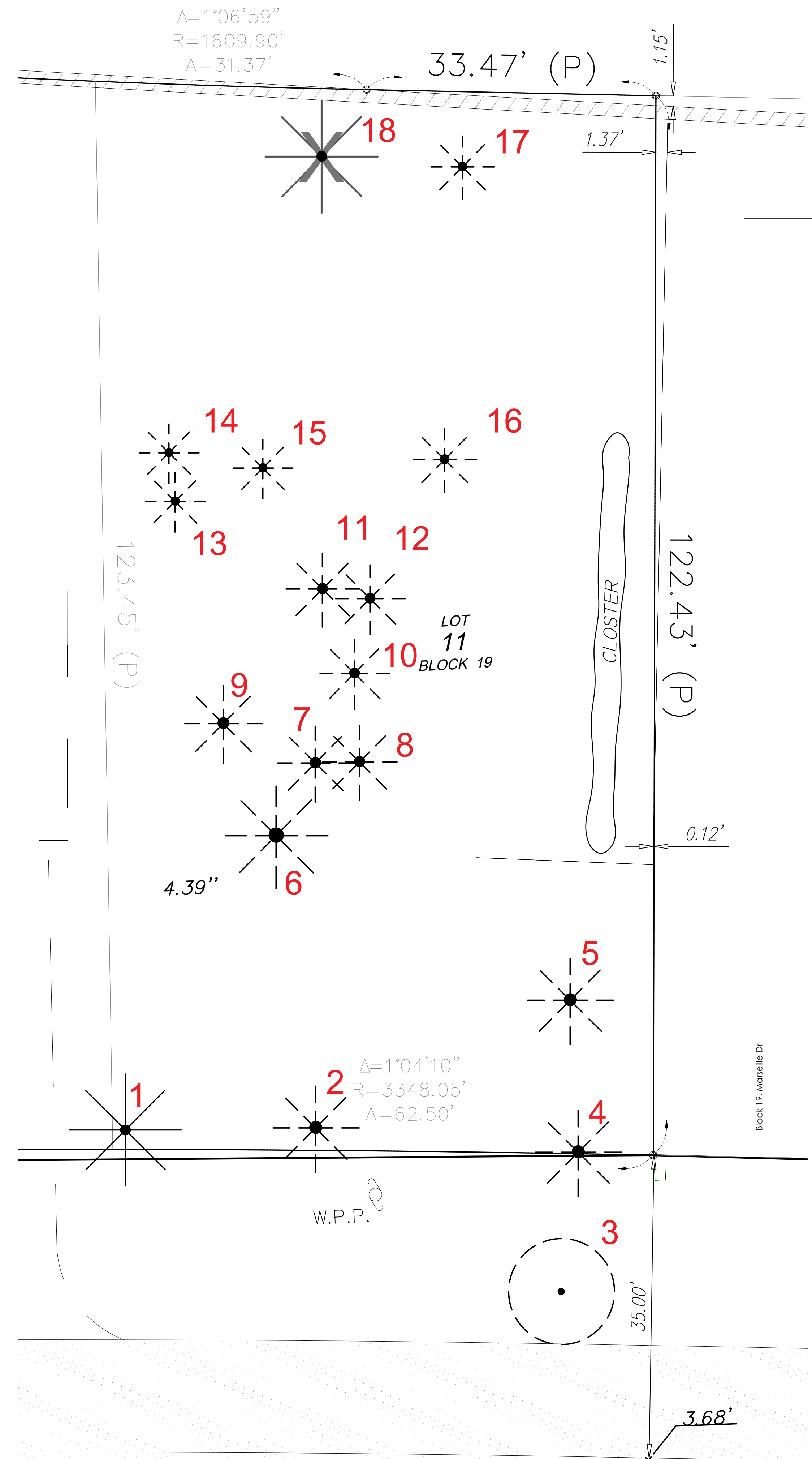
Labels for Wire Mesh Barrier Detail:

- 12' MIN.
- 4' MIN.
- 4" x 4" PRESSURE TREATED PINE POSTS
- 6" x 6" x 6" WIRE MESH ATTACHED TO EACH 4" x 4"
- OVERALL DIMENSION TO PROTECT ROOTS
- NOTE: BARRIER TO FORM CONTINUOUS CIRCLE AROUND THE TREE OR GROUP OF TREES

WOOD BARRIER DETAIL PLAN °

Labels for Wood Barrier Detail Plan:

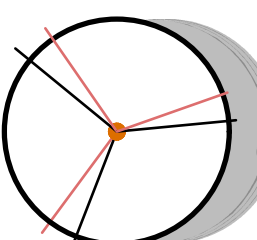
- D RIP LINE
- ROOT BOUNDARY TO BE PROTECTED
- 4" x 4" PRESSURE TREATED PINE POSTS
- TREE TRUNK
- 2" x 6" PRESSURE TREATED PINE FRAMING STUDS OR 6" x 6" x 6" WIRE MESH
- NAILED TO POSTS

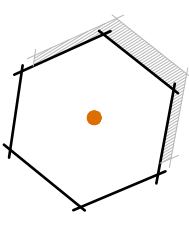


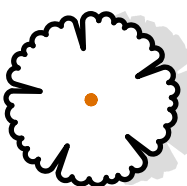
PLANT LIST

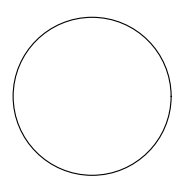
PROPOSED PLANT LIST						
SYM	BOTANICAL NAME	COMMON NAME	SPEC	NATIVE	DROUGHT	QTY
TREES + PALMS						
	<i>Caryota mitis</i>	Fishtail Palm	24' HT			11
	<i>Cocos nucifera</i>	Coconut Palm	24'-26' HT CRV TRUNK			3
	<i>Bursera simaruba</i>	Gumbo Limbo Tree	20'-22" OA 10"-12" DBH	*		1
	<i>Sabal Palmetto</i>	Cabbage Palm	24'-26" OA DBL	*		3
	<i>Thrinax radiata</i>	Thatch Palm	12' OA	*		1
	<i>Cordia sebestena</i>	Orange Geiger Tree	12' HT 4" DBH	*		4
	<i>Myrcianthes fragrans</i>	Simpson Stopper Tree	8'-10' OA MULT	*		1
	<i>Clusia rosea</i>	Autograph Tree	12' HT 4" DBH	*		8
SHRUBS + ACENTS						
EC	<i>Eugenia confusa</i>	Redberry Stopper	25G 48" OC	*		15
SS	<i>Myrcianthes fragrans</i>	Simpson Stopper	25G 48" OC	*	*	12
DS	<i>Dioon spinulosum</i>	Giant Dioon	25G 4' HT			1
HP	<i>Hamelia patens</i>	Fire Bush	15G 36" OC	*		18
SR	<i>Serenoa repens</i>	Silver Saw Palmetto	25G	*		3
PL	<i>Psychotria ligustrifolia</i>	Bahama Coffee	15G ROUND			19
RE	<i>Rhapis</i>	Lady Palm	25G 4'-5' HT			19
GROUNDCOVERS						
GG	<i>Tripsacum</i>	Gama Grass	3G @ 24" OC	*		32
DI	<i>Dietes indioides</i>	African Iris	3G @ 18" OC			27
PS	<i>Phymatosorus scolopendria</i>	Wart Fern	3G @ 18" OC	*		256
FJ	<i>Farfugium japonicum</i>	Tractor Seat	3G @ 24" OC			37
MD	<i>Monstera deliciosa</i>	Swiss Cheese	7G @ 36" OC			167
FK	<i>Pennisetum alopecuroides</i>	Fakahatchee Grass	3G @ 36" OC	*		97
	Top Soil	50/50. 5" Deep				40 CB
	Empire Zoysia	Empire Zoysia				2592

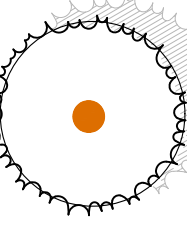
PROPOSED PLANTING

 GUMBO LIMBO

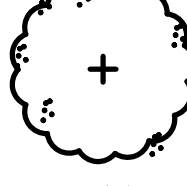
 ORANGE GEIGER

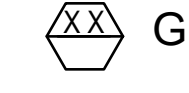
 FISHTAIL PALM

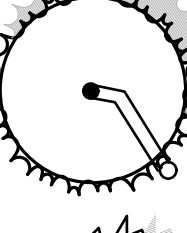
 SIMPSON STOPPER TREE

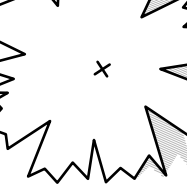
 SABAL PALM

 SHRUB

 CLUSIA ROSEA

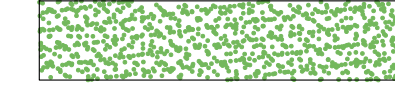
 GROUNDCOVER

 COCONUT PALM

 THATCH PALM

MATERIALS

 GENERAL NEW PLANTING AREA

 NEW ZOYSIA EMPIRE LAWN

LANDSCAPE LEGEND

CITY OF MIAMI BEACH LANDSCAPE LEGEND

Zoning District:: RS-4 Lot Area: 7,811.63 Acres:0.179

TREES

A.Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements=

___5___ trees x ___0.179___ net lot acres - number of existing trees (0)= 5*0.179

B.% Natives required: Number of trees provided x 30% = 14 *.30=3

C.% Low maintenance / drought and salt tolerant required:

Number of trees provided x 50%=14*.5

D.Street Trees (maximum average spacing of 20' o.c.)

___52___ linear feet along street divided by 20'= 52/20=2

E.Street tree species allowed directly beneath power lines:

(maximum average spacing of 20' o.c.); ___ linear feet along street divided by 20'=

SHRUBS

A. Number of shrubs required: Sum of lot and street trees required x 12=3 x 12=60

B.% Native shrubs required: Number of shrubs provided x 50%= 87*.5

LARGE SHRUBS OR SMALL TREES

A.Number of large shrubs or small trees required:

Number of required shrubsx 10%=60*.10

B.% Native large shrubs or small trees required:

Number of large shrubs or small trees provided x 50%=46*.5

Required/ Provided
Allowed

1 14

4 14

7 14

2 4

3 4

36 87

43 48

6 46

23 27

