

5840 N BAY GARDEN



SEAL (S TYLER NIELSEN - LA6667067)



 UNDERSTORY PLANTING PLAN

 DATE
 ISSUE

 02.17 2020
 MB DRB REVIEW

 03.05 2020
 REVISION 01

L703



PROPOSED PALM

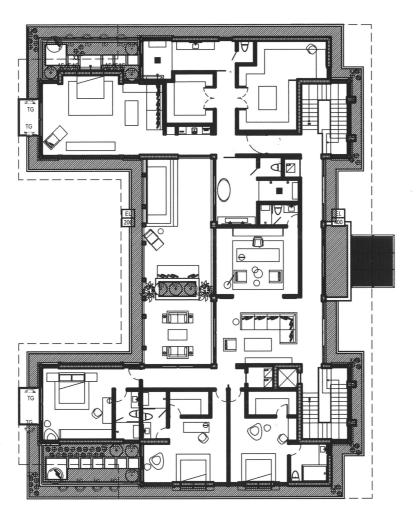
PROPOSED TREE

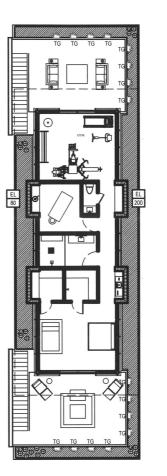


PLANTING LEGEND



PROPOSED GROUNDCOVER





CIT	Y OF MIAMI BEACH			
LAI	NDSCAPE LEGEND			
	RMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS			
Zeri	ng District RS-3 Lot Area 27,541	acres63	_	
>		REQUIRED/		
	SPACE	ALLOWED	PROVIDED	
A Squa	re feet of required Open Space as Indicated on site plans trea = 27,541 s.f.s 09 % = 2,470 s.f.	2,470	9,485	
	are feet of parking for open space required as indicated on site pla			
(Num	ber of parking spaces NA x 10 s.f. parking space =	NA	NA	
₹ Tetal	square feet of landscaped open space required: A+B	2,470	9,485	
	N AREA CALCULATION			
	refeet of landscaped open space required	2,102	14,172	
B Max	mum lawn area (sod) permittee= 50 %× 9,486t.	4,742.50	4,742.50 4,450	
TREE				
	Description of the service of the			
tree	meetine min mum requirements:			
>	27 trees x NA net lot acres - number of existing trees-	27	32	
	itives required: Number of trees provided x 30% =	9	22	
	w maintenance / drought and salt tolerant required:	14	32	
	ber of trees provided x 50%- et. Trees (maximum average spacing of 20" o.c.)	14	_32_	
3	VA inear feet along street divided by 20°=	NA	NA	
	et tree species allowed directly beneath power lines:			
	from average specing of 20" o.c.): 130 Input feet along street duried by 20"s.			
~	130 near feet along street divided by 20's	6	6	
(SHR)	uns			
>	ber of shrubs required: Sum of lot and street trees required x 12=	324	343	
B 76 No	itive shrubs required. Number of shrubs provided x 505i=	162	343	
>				

ARRUMS ON SAME TREES

roll are pt throats or small trees required. Number of fector red shrubs

and are pt throats or small trees required. Number of large shrubs or 17 33

and 17 33

CITY OF MIAMI BEACH

PLANTING SCHEDULE

ABR. QUANTITY BOTANICAL NAME COMMON NAME SPECIFICATIONS

LARGE SHRUBS

SM 24 SURIANA MARITIMA BAY CEDAR 25 GAL 6 FT. OA.

CC 12 CAPPARIS CYNOPHALLOPHORA JAMAICA CAPER 25 GAL 6 FT. OA.

SHURBS

HC 110 CHRYSOBALANUS ICACO 'HORIZONTAL' HORIZONTAL COCOPLUM 7 GAL. 24 IN. 24 IN.

CE 138 CONOCARPUS ERECTUS GREEN BUTTONWOOD 15 GAL FULL BUSH 6 FT. OA.

SP 80 SPARTINA PATENS SALTIMEADOW CHORDGRASS 3 GAL.

SS 15 SERNOA REPENS 'CINEREA' SILVER SAW PALMETTO 25 GAL

ACCENTS

ACCENTS

ACE 260 ASPIDISTRIA ELATIOR CAST IRON PLAN 3 GAL.

HR 28 HELICONIA ROSTRATA LOBSTER CLAW 15 GAL 6 FT. OA.

MY 14 PHILODENDRON MCDOWELL SAME 7 GAL.

XX 100 ALCANTAREA ODORATA SILVER BROMELIAD 7 GAL.

GROUNDCOVERS

EL 2.180 ERNODEA LITTORALIS GOLDEN CREEPER 1 GAL 12 IN. OC.

WINES

TG 42 THUNBERGIA GRANDIFLORA SAME 3 GAL TRELLIS

CONTRACTOR TO PROVIDE \$2000 MISCELLANEOUS WHOLESALE PLANT ALLOWANCE. LANDSCAPE ARCHITECT TO TAG PLANTS AT NURSERY



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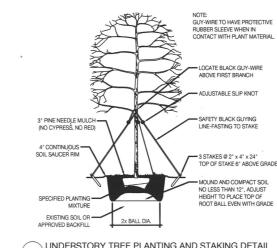
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TOE NAIL BRACES TO BATTENS DO NOT NAIL BATTENS TO PALM 5 P T WOOD BATTENS @ 2" x 4" x 16"

NOTE: SECURE BATTENS WITH 2-3/4* HI CARBON STEEL BANDS TO HOLD BATTENS IN PLACE DURING PLANTING PROCESS. DO NOT NAIL BATTENS TO PALM. THE LIEGUED OF BATTENS SHALL

THE HEIGHT OF BATTENS SHALL

BE LOCATED IN RELATION TO THE HEIGHT OF THE PALM FOR ADEQUATE BRACING. PAINT ALL EXPOSED WOOD SURFACES, (COLOR TO BE APPROVED BY

LANDSCAPE ARCHITECT).

-3 PAINTED BRACES @ 4" x 4" FOR ROYAL AND CHARACTER PALMS. 3 PAINTED BRACES @ 2" x 4" FOR SMALL PALMS, (COLOR TO BE APPROVED BY LANDSCAPE ARCHITECT).

3 STAKES @ 2" x 4" x 24" - TOP OF STAKE 6" ABOVE GRADE 2" x 4" STAKES PAD BURIED 3" BELOW GRADE, (PAINT TO MATCH BRACES).

MOUND AND COMPACT SOIL NO LESS THAN 12*, ADJUST HEIGHT TO PLACE TOP OF ROOT BALL EVEN WITH GRADE, (REFER TO GRADING PLAN).

3° PINE NEEDLE MULCH — (NO CYPRESS, NO RED)

4" CONTINUOUS -

SOIL SAUCER RIN

APPROVED BACKFILL

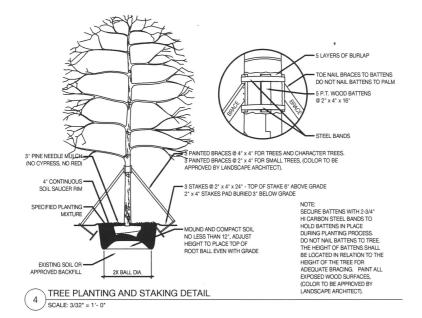
SCALE: 3/32" = 1'- 0"

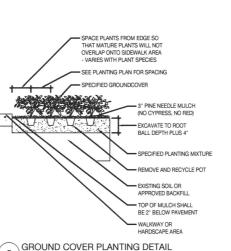
PALM PLANTING AND STAKING DETAIL

SHRUB PLANTING DETAIL SHHUB FLAINT

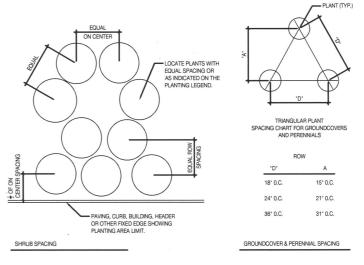
SAFETY BLACK GUYING LINE-FASTING TO STAKE 3 STAKES @ 2" x 4" x 24" TOP OF STAKE 6" ABOVE GRADE NO LESS THAN 12', ADJUST HEIGHT TO PLACE TOP OF ROOT BALL EVEN WITH GRADE

UNDERSTORY TREE PLANTING AND STAKING DETAIL SCALE: 3/32" = 1'- 0"





GROUND COVER PLANTING DETAIL 5 SCALE: 3/32" = 1'- 0"



2x BALL DIA

LOOSEN & SCORE BOUND ROOTS

- REMOVE POT AND RECYCLE

- 3" PINE NEEDLE MULCH (NO CYPRESS, NO RED)

- 3" CONTINUIOUS

EXISTING SOIL OR APPROVED BACKFILL SPECIFIED PLANTING MIXTURE

MOUND AND COMPACT SOIL NO LESS THAN 6", ADJUST HEIGHT TO PLACE TOP OF ROOT BALL EVEN WITH GRADE

PLANT & SHRUB SPACING DETAIL 6 PLAIN I G. C. .

SCALE: 3/32" = 1'- 0"

L704

IRRIGATION NOTES (POTABLE)

- 1.) Some pipe lines are drawn off set for clarity. Install all irrigation lines in
- landscaped areas.

 2.) Refer to the landscape plans when trenching to avoid tree root balls to install heads at appropriate locations.
 3.) Adjust all nozzles to reduce overthrow on paving & walls. Throttle all
- Adjust all nozzles to reduce overthrow on paving & walls. Throttle all irrigation control valves as required to prevent fogging. Set controller run times to match plant water needs and soil conditions.
 Install risers 18" from walls or buildings, and 24" from paved surfaces. Paint all risers and supports flat black.
 Install pop-up heads 18" from walls, 6" from walks, decks and curbs, 6 feet from public parts and parts.
- from curbless roads, and 30" from the end of parking spaces.
- 6.) Set top of pop-up head caps 1" above finished grade prior to sod or mulch 7.) Refer to utility plans prior to trenching. The irrigation installer shall be responsible for the repair of any damage to utilities caused by their work during
- 8.) All work shall be guaranteed for one year from the date of final acceptance
- Nal work shall be guaranteed or to rise year from the date of final acceptance against all defects in equipment and workmanship.
 Electric power supply for the irrigation controller shall be brought to a junction box at the controller location by the building electrical contractor. Irrigation installer to provide electrical permits and licensed electrician to connect the irrigation controller equipment to the power supply.
 Irrigation water connections and system construction shall comply with the
- requirements of local codes for irrigation installation and connections to the
- water supply.

 1.) Irrigation installer to acquire all permits and utilize all safety precautions required to work in row of roadway.

 12.) Sixty (60) psi minimum static water pressure is required for the efficient
- 12.) Saxty (ou) psi minimum states water pressure is required for the enicient operation of the irrigation system as designed. Verify the minimum static water pressure is available at the project site prior to beginning the irrigation installation. Notify the landscape architect in writing if the minimum static water pressure or water volume is not available.

 13.) At the end of parking spaces place heads in line with parking stripes or 2.5 feat from backer of such (uniform).
- feet from back of curb. (typical)
- 14.) Prior to starting the works inspect the site and locate all existing irrigation pipes, wires and equipment. Provide labor and materials to repair any damaged existing irrigation. Provide "lifeline" pipes and wires to keep adjacent irrigation zones operational through the works.

 15.) The irrigation mainline is drawn offset for graphic clarity. do not scale the
- mainline from the drawing for installation. Layout the irrigation mainline route in the field to avoid proposed and existing tree root zones and utilities.

20 2H 2F 40 4H 4F	Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	5	30	
A A A A A EST LÖS RÖS ÖST SST	Rain Bird 1806-U-PRS 15 Strip Series Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	26	30	
⊕ ⊕ ⊕ ⊕ ○ ⊕ ○ ⊤ H F	Rain Bird 1806-U-PRS U8 Series Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	84	30	
⊘ ⊘ ⊘ ⊘ ⊘ ⊘ ⊘ ⊘ O ⊘ O O O O O O O O O O	Rain Bird 1806-U-PRS U10 Series Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. Pressure Regulating.	16	30	
A B B B B B	Data Pintages II PPS III S Control		20	

Rain Bird 1806-U-PRS U12 Series Turf Spray 6.0° Pop-Up Sprinkler with Co-Molded Wiper Seal Side and Bottom Inlet. 1/2° NPT Female Threaded Inlet. Pressure Regulating. 000000

MANUFACTURER/MODEL/DESCRIPTION

IRRIGATION SCHEDULE

Turf Spray 6.0" Pop-Up Sprinkler Side and Bottom Inlet. 1/2" NPT if Pressure Regulating. OSHE-VAN 221E-VAN
 TOHE-VAN 515HE-VAN
 TOHE-VAN
 TOHE-VA

在 点 点 点 点 点 Rain Bird 1812-PRS-U 15 Strip Series Shrub Spray, 12 0* Pop-Up Sprinkler with Co-Molded W Seal. Side and Bottom Inlet 1/2* NPT Female Threader With Pressure Regulating Device.

Rain Bird 1812-PRS-U U8 Series Shrub Spray, 12.0° Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet 1/2° NPT Female Threaded Inle With Pressure Regulating Device. Rain Bird 1812-PRS-U U10 Series Shrub Spray. 12.0° Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 12° NPT Female Threaded Inlet. With Pressure Regulating Device.

© © © © © © © Rain Bird 1812-PRS-U U12 Series
Shrub Spray, 120 Pop-Up Sprinkler with Co-Molded Wiper
Seal. Side and Bothom Intel. 12° NPT Female Threaded Inlet.
With Pressure Regulating Device.

Rain Bird 1812 PRS-U U15 Series
Shrub Spray, 120 Pop-Up Sprinkler with Co-Molded Wiper Seal Slod and Bottom Intel 1.12" NPT Female Threaded Inlet. With Pressure Regulating Device.

(B) 08HE-VAN (D) 12HE-VAN
(D) 10HE-VAN (D) 15HE-VAN
(D) 15HE-VAN
(E) 2 H 2 8 Rain Bird 1800-1400 Flood 1401 1401 1402 1404 1406 Fixed flow rate (0.25-2.0GPM), full circle bubbler, 1/2* FIPT.

MANUFACTURER/MODEL/DESCRIPTION Rain Bird SO-ADP-12 Square Spray Square pattern nozzles with pressure compensation. Nozzle throws 2.5" to 4". 3 Models: Quarter, Half, and Full. SQ Nozzle Adapter With 12.0" PolyFlex Riser.

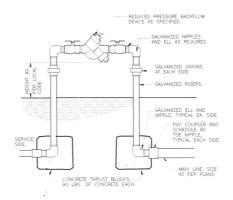
QTY

SYMBOL MANUFACTURER/MODEL/DESCRIPTION HIT (Rain-Pro) BVS PVC Ball Valve, Slip Socket Connection. 1/2* (1.27cm) - 4* (10.16cm). same size as pipe. (BF)

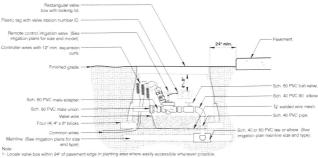
> Α Rain Bird ESP8LXME with (02) ESPLXMSM12 32 Station Commercial Controller. Mounted on a Plastic Wall (AS)

М Water Meter 1-1/2"

Pipe Sleeve: PVC Class 200 SDR 21 Valve Callout **#** •-Valve Number



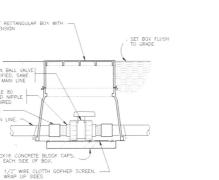
REDUCED PRESSURE BACKFLOW DEVICE



5- Mainlines 4" or larger shall use saddles at the connections points to the irrigation valve. (See sp

6- All Sch. 80 PVC to Sch. 40 PVC threaded connections shall be made using tellon tape

REMOTE CONTROL IRRIGATION VALVE



TRUE UNION BALL ISOLATION VALVE

TWO 6X2X16 CONCRETE BLOCK CAPS, ONE ON EACH SIDE OF BOX.

10"X15" RECTANGULAR BOX WITH -

SHRUB SPRAY HIGHPOP W/FLEX ASSEMBLY

RCV AS SPECIFIED

DO NOT USE SIDE INLET.

HIGH POP HEAD.

1/2" MARLEX — /

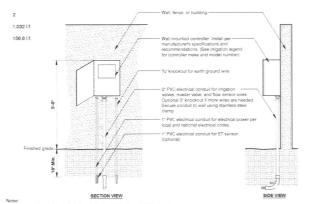
TURF SPRAY FLEX ASSEMBLY

1/2" MARLEX STREET ELL. BARB ELL X MIPT.

OR ELL.

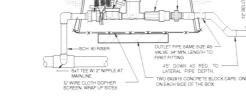
FX-IR-FX-HEAD-05

1/2" POLYETHYLENE FLEXIBLE TUBING, LENGTH AS REQUIRED



URBAN TREE FOUNDATION + 2014 OPEN SOURCE FREE TO USE

WALL MOUNTED CONTROLLER



1" DRIP VALVE W/BASKET FILTER

SET BOX FLUSH A TURF.



8 DRIP SPRAY ON POPUP W/PVC PIPE

GARDE BA $5840\,\text{N}$ bay Road |

SEAL (S TYLER NIELSEN -LA6667067) 03.05.2020 IRRIGATION, NOTES, SCHEDULE AND DETAILS

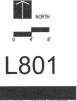
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 $5840~\mathrm{N}~\mathrm{BAY}~\mathrm{GARDEN}$

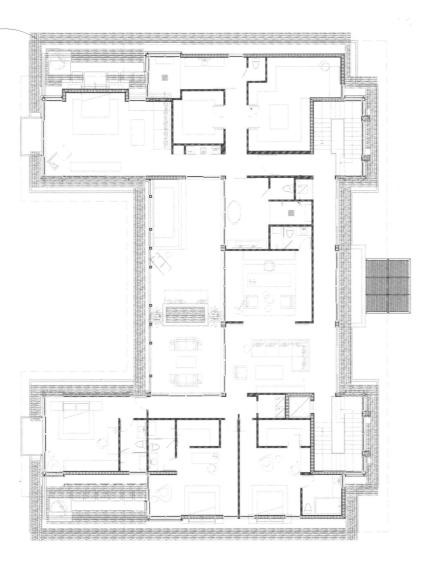


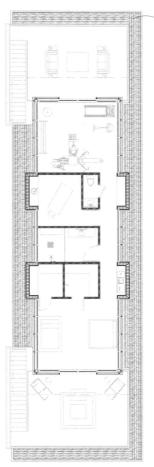


On the 2nd floor the building plumbing contractor shall stub up a 1.5" non-pressurized water supply line in the designated

The irrigation installer shall connect to the 1.5" non-pressurized water supply line.

The building plumbing contractor shall run non-pressurized PVC water lines from the designated planter to each planter on the second floor. Pipe lines between planters are to be installed within planters are to be installed within the roof deck interstitial space. Pipe routing between planters may be shown schematically. Verify routing before commencement of construction.





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SECOND LEVEL IRRIGATION
PLAN

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