



April 14, 2021

Ms. Mina Samadi
Senior Capital Projects Coordinator
1700 Convention Center Drive
Miami Beach, FL 33139

RE: Landscape project Palm & Hibiscus Islands

Dear Mina,

Please be advised that the design as depicted on the attached drawings and rendering, Hibiscus Island-Generator-Plans_2021.04.06 & Palm Island-Generator-Plans_2021.04.06, is approved by the PHS Islands Association.

It is understood and agreed that should any planting specified on the plans / plant list not be available, if the planting does not meet the specs or if any other material changes are required the City of Miami Beach will consult the PHS Islands Association prior to furnishing any substitutions to the plant material.

Again, we would appreciate a firm timeline for the project as the contractor is hired and the work is scheduled.

Thank you for your help seeing this project through to completion.

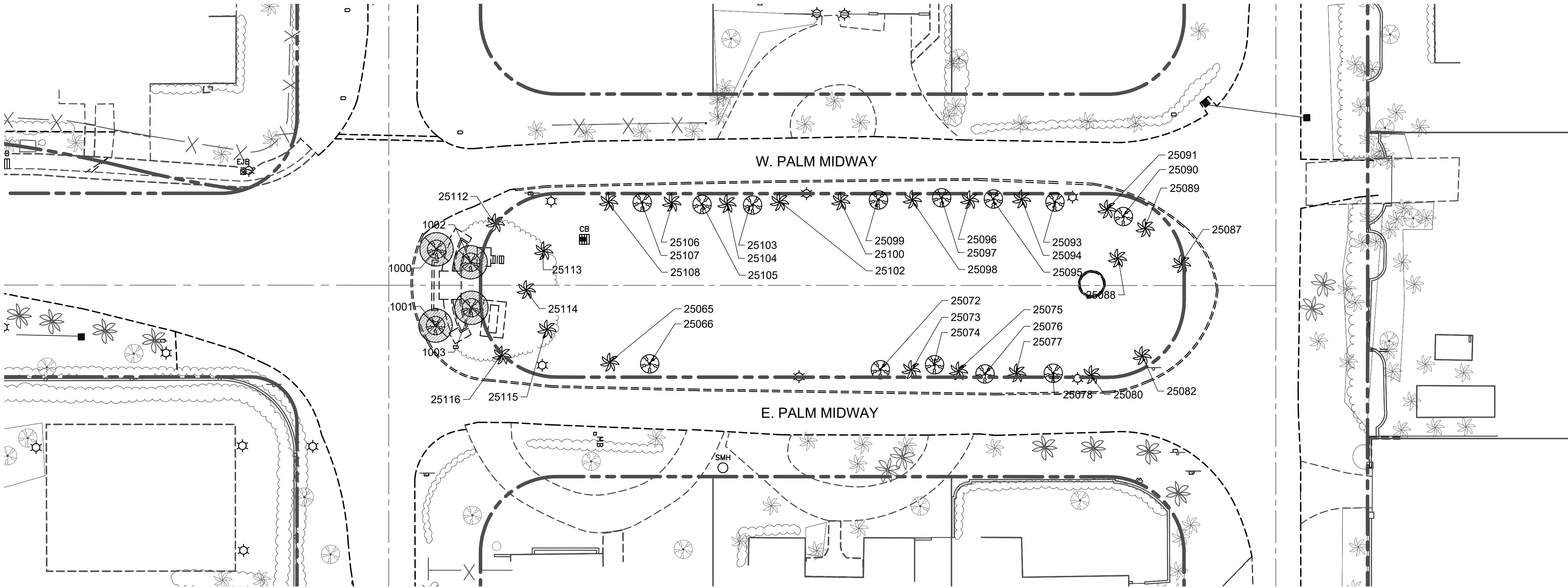
Best Regards,



Ian Kaplan
President & Board Chair
Palm Hibiscus Star Islands Homeowners Association





152 Palm Avenue
Miami Beach, FL 33139

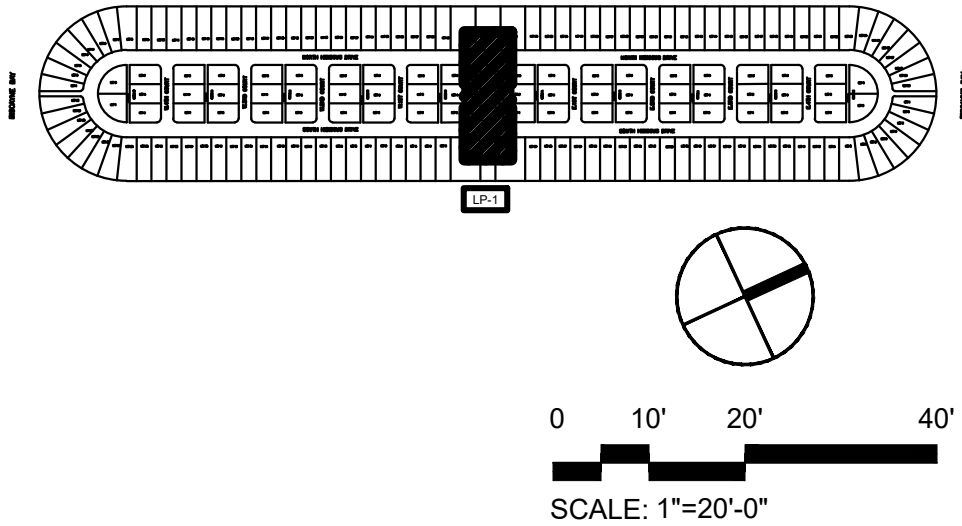
R:\Landscape\2017\17-0027-001-01 - Palm & Hibiscus Island\Drawings\17-0027-LA-Hibiscus_Tree Disposition.dwg [TD-1] Apr 01, 2021 3:18pm SPEAVLER



TREE #	SCIENTIFIC NAME	COMMON NAME	CONDITION (%)	CALIPER IN. (DBH)	HEIGHT FT	SPREAD FT	CANOPY FT	DISPOSITION	CLASS	Notes
1000	PANDANUS UTILIS	PANDANUS	60	10	15	15	177	REMOVE	1	Construction damage
1001	PANDANUS UTILIS	PANDANUS	60	8	15	15	177	REMOVE	1	Construction damage
1002	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	30		12	10	79	REMOVE	2	Construction damage
1003	LIGUSTRUM JAPONICUM	JAPANESE PRIVET	30		12	10	79	REMOVE	2	Construction damage
25065	ROYSTONEA ELATA	ROYAL PALM	60	16	38	15	177	PROTECT IN PLACE	2	
25066	CAESALPINIA GRANADILLO	BRIDALVEIL	40	7	20	20	314	PROTECT IN PLACE	1	
25072	CAESALPINIA GRANADILLO	BRIDALVEIL	40	8	20	20	314	PROTECT IN PLACE	1	
25073	ROYSTONEA ELATA	ROYAL PALM	60	13	38	15	177	PROTECT IN PLACE	2	
25074	CAESALPINIA GRANADILLO	BRIDALVEIL	50	8	20	20	314	PROTECT IN PLACE	1	
25075	ROYSTONEA ELATA	ROYAL PALM	50	18	38	15	177	PROTECT IN PLACE	2	Construction damage
25076	CAESALPINIA GRANADILLO	BRIDALVEIL	50	8	20	20	314	PROTECT IN PLACE	1	Construction damage
25077	ROYSTONEA ELATA	ROYAL PALM	60	14	38	15	177	PROTECT IN PLACE	2	
25078	CAESALPINIA GRANADILLO	BRIDALVEIL	60	6	20	20	314	PROTECT IN PLACE	1	Construction damage
25080	ROYSTONEA ELATA	ROYAL PALM	50	12	38	15	177	PROTECT IN PLACE	2	
25082	ROYSTONEA ELATA	ROYAL PALM	50	16	38	15	177	PROTECT IN PLACE	2	
25087	ROYSTONEA ELATA / ROYAL PALM	ROYAL PALM	60	12	38	15	177	PROTECT IN PLACE	2	
25088	PHOENIX CANARIENSIS	CANARY ISLAND DATE PALM	50	12	20	20	314	PROTECT IN PLACE	2	
25089	ROYSTONEA ELATA	ROYAL PALM	50	14	28'	15	177	PROTECT IN PLACE	2	
25090	CAESALPINIA GRANADILLO	BRIDALVEIL	60	8	20	20	314	PROTECT IN PLACE	1	
25091	ROYSTONEA ELATA	ROYAL PALM	60	18	38	15	177	PROTECT IN PLACE	2	Construction damage
25093	CAESALPINIA GRANADILLO	BRIDALVEIL	40	8	20	20	314	PROTECT IN PLACE	1	
25094	ROYSTONEA ELATA	ROYAL PALM	60	18	38	15	177	PROTECT IN PLACE	2	
25095	CAESALPINIA GRANADILLO	BRIDALVEIL	50	8	20	20	314	PROTECT IN PLACE	1	
25096	ROYSTONEA ELATA	ROYAL PALM	50	15	35	15	177	PROTECT IN PLACE	2	
25097	CAESALPINIA GRANADILLO	BRIDALVEIL	40	8	20	20	314	PROTECT IN PLACE	1	
25098	ROYSTONEA ELATA	ROYAL PALM	60	14	35'	15	177	PROTECT IN PLACE	2	
25099	CAESALPINIA GRANADILLO	BRIDALVEIL	50	6	20	20	314	PROTECT IN PLACE	1	
25100	ROYSTONEA ELATA	ROYAL PALM	60	16	35	15	177	PROTECT IN PLACE	2	
25102	ROYSTONEA ELATA	ROYAL PALM	40	15	35	15	177	PROTECT IN PLACE	2	
25103	CAESALPINIA GRANADILLO	BRIDALVEIL	50	7	20	20	314	PROTECT IN PLACE	1	Construction damage
25104	ROYSTONEA ELATA	ROYAL PALM	60	15	38	15	177	PROTECT IN PLACE	2	
25105	CAESALPINIA GRANADILLO	BRIDALVEIL	40	6	20	20	314	PROTECT IN PLACE	1	Newly added
25106	ROYSTONEA ELATA	ROYAL PALM	50	14	36	15	177	PROTECT IN PLACE	1	Newly added
25107	CAESALPINIA GRANADILLO	BRIDALVEIL	60	7	20	20	314	PROTECT IN PLACE	1	Newly added
25108	ROYSTONEA ELATA	ROYAL PALM	50	14	35'	15	177	PROTECT IN PLACE	2	Newly added
25112	PHOENIX DACTYLIFERA 'MEDJOOL'	DATE PALM	60	17	36	15	177	PROTECT IN PLACE	2	
25113	PHOENIX DACTYLIFERA 'MEDJOOL'	DATE PALM	60	17	28	15	177	PROTECT IN PLACE	2	
25114	PHOENIX DACTYLIFERA 'MEDJOOL'	DATE PALM	60	17	38	15	177	PROTECT IN PLACE	2	Newly added
25115	PHOENIX DACTYLIFERA 'MEDJOOL'	DATE PALM	60	17	38	15	177	PROTECT IN PLACE	2	Newly added
25116	PHOENIX DACTYLIFERA 'MEDJOOL'	DATE PALM	50	17	36	15	177	PROTECT IN PLACE	2	Construction damage

TREE CANOPY REMOVED:
512 SF
SEE LP-0 TREE PLANTING PLAN FOR
PROPOSED REPLACEMENT

TREE DISPOSITION LEGEND	
 	PROTECT IN PLACE
	REMOVE / DEMOLISH
	RELOCATE



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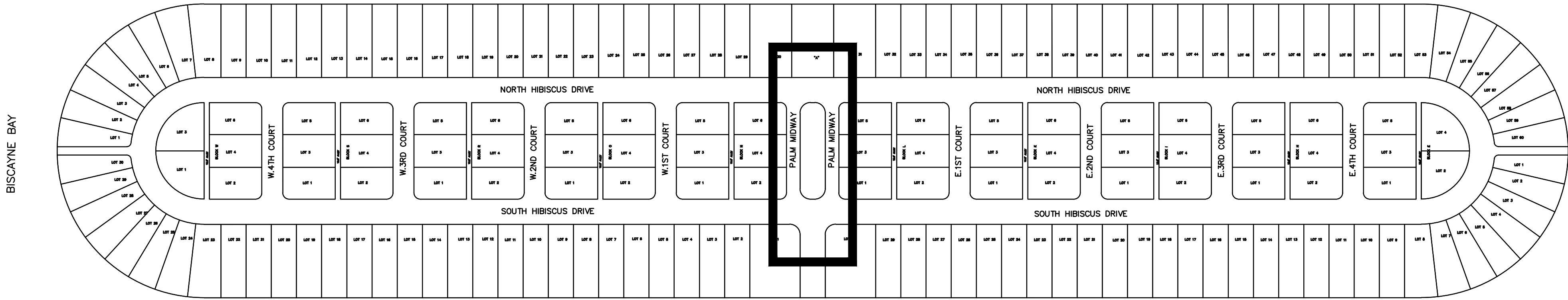
HIBISCUS ISLAND
CITY OF MIAMI BEACH, FLORIDA
PREPARED FOR:
CITY OF MIAMI BEACH
TREE DISPOSITION PLAN

Scott W. Peavler, R.L.A.
Florida R.L.A. No. 6666976
PROJECT NO.
17-0027-001-01

TD-1
SHEET ____ OF ____

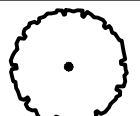
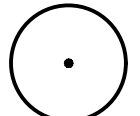
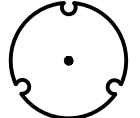
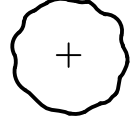

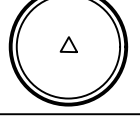
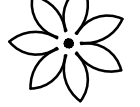
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DRAWN BY:	SWP	DRAWN BY:		DRAWN BY:	
CHECKED BY:	JDH	CHECKED BY:		CHECKED BY:	
APPROVED BY:		APPROVED BY:		APPROVED BY:	

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SHEETS
LP-1 & LS-1

LANDSCAPE PLAN- KEY MAP:
LP SHEETS - TREE & PALM PLANTING
LS SHEETS - SHRUB & GROUNDCOVER PLANTING

TREE & PALM SCHEDULE					
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS
	CG	2	Caesalpinia granadillo	Bridal Veil Tree	12'-14' HT O.A.
	EX-CG	13	Caesalpinia granadillo	Bridal Veil Tree	EXISTING TREE
	CR	13	Clusia rosea	Autograph Tree	3" DBH., 12' HT. X 6' SPRD.
	DR	1	Delonix regia	Royal Poinciana	3" DBH, 14'-16' HT. X 6' SPRD.
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS
	EX-PDX	6	Phoenix dactylifera 'Medjool'	Existing Date Palm	EXISTING PALM
	EX-ROX	15	Roystonea elata	Existing Royal Palm	EXISTING PALM
	RRX	4	Roystonea regia	Royal Palm	28' OA, 18' GW Min.

- NOTES:**
- SEE LS SHEETS FOR SHRUB & GROUNDCOVER PLANTING
 - ALL SOD AREAS TO BE ST. AUGUSTINE - *Stenotaphrum secundatum*

LANDSCAPE CANOPY CALCULATIONS
REFER TO TREE DISPOSITION SHEETS (TD) FOR TREES REMOVED

							CANOPY REMOVED	512 SF
TREES								
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	CLASS	CANOPY	CANOPY CALC	
CG	2	Caesalpinia granadillo	Bridal Veil Tree	12'-14' HT O.A.	1	300	600	
CR	13	Clusia rosea	Autograph Tree	3" DBH., 12' HT. X 6' SPRD.	1	300	3900	
DR	1	Delonix regia	Royal Poinciana	3" DBH, 14'-16' HT. X 6' SPRD.	1	300	300	
PALMS								
CODE	QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	CLASS	CANOPY	CANOPY CALC	
RRX	4	Roystonea regia	Royal Palm	35' OA, 25' GW Min.	4	50	200	
							PROPOSED CANOPY	5,000 SF

PLANT SCHEDULE						
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	REMARKS
	AGT	3	Agave attenuata	Soft Tip Agave	2' HT x 2' SPRD	
	CAP	9	Capparis cynophallophora	Jamaica Caper	6'-7' HT., FULL	
	COR	10	Cordyline fruticosa 'Red Sister'	Red Sister Ti	3' HT X 2' SPRD	
	CRA	8	Crinum augustum 'Queen Emma'	Queen Emma Crinum Lily	4' HT x 4' SPRD	
	MOD	16	Monstera deliciosa	Swiss Cheese Plant	3' HT x 3' SPRD	
	MYF	12	Myrcianthes fragrans	Simpson Stopper	8' HT. X 4' SPRD, MULTI	
	RHE	32	Rhapis excelsa	Lady Palm	5' HT. FULL	
	SRC	10	Serenoa repens 'Cinerea'	Silver Saw Palmetto	3' HT x 3' SPRD	
	STN	2	Strelitzia nicolai	Giant Bird of Paradise	6' HT. FULL	
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	REMARKS
	AGA	44	Agave attenuata	Soft Tip Agave	12" HT. x 12" Sprd.	18" o.c.
	ALZ	80	Alpinia zerumbet 'Variegata'	Variegated Shell Ginger	18" HT x 18" SPRD	30" o.c.
	CLG	24	Clusia guttifera	Small-leaf Clusia	48" HT X 30" SPREAD	36" o.c.
	FIM	92	Ficus microcarpa 'Green Island'	Green Island Ficus	12"HT x 12" SPRD	16" o.c.
	HAN	215	Hamelia nodosa	Dwarf Firebush	18" HT x 18" SPRD	18" o.c.
	HED	39	Helianthus debilis	Dune Sunflower	18" HT x 18" SPRD	24" o.c.
	HIB	112	Hibiscus rosa-sinensis 'Seminole Pink'	Hibiscus	24" HT X 24" SPRD.	30" o.c.
	JAM	117	Jasminum multiflorum	Downey Jasmine	16" HT. X 16" SPRD.	24" o.c.
	NEE	131	Nephrolepis exaltata	Boston Fern	12" Ht. x 12" Sprd.	12" o.c.
	OPI	57	Ophiopogon intermedius 'Argenteomarginatus'	Varigated Aztec Grass	12"HT x 12" SPRD	14" o.c.
	PHB	45	Philodendron 'Burle Marx'	Burle Marx Philodendron	12"HT x 12" SPRD	18" o.c.
	SER	84	Serenoa repens 'Cinerea'	Silver Saw Palmetto	18"HT x 18"SPRD	30" o.c.
	TRF	84	Tripsacum floridanum	Florida Gamagrass	2'-2.5' HT	24" o.c.
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	REMARKS
	IPC	71	Ipomoea pes-caprae	Railroad Vine	6" HT, FULL	18" o.c.
	SOD	7,325 sf	Stenotaphrum secundatum	St. Augustine Grass	SOD	

COMMENT RESPONSE REVISIONS
CITY REQUESTED REVISIONS

CMP 08/02/19
A

DATE: 04/XX/18

NTS

SCALE:

DESIGN BY:

SWP

SWP

CHECKED BY:

JDH

APPROVED BY:

SWP

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HIBISCUS ISLAND
CITY OF MIAMI BEACH, FLORIDA

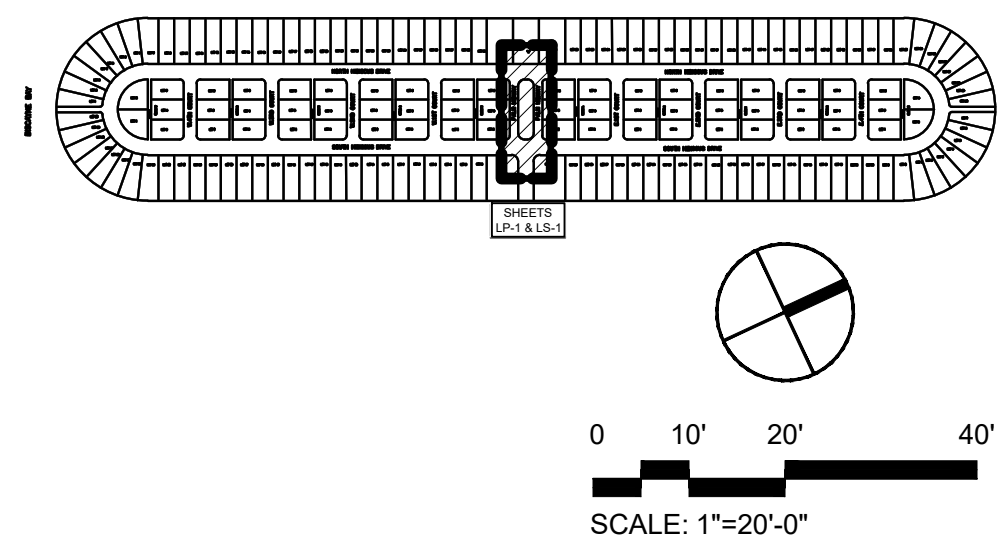
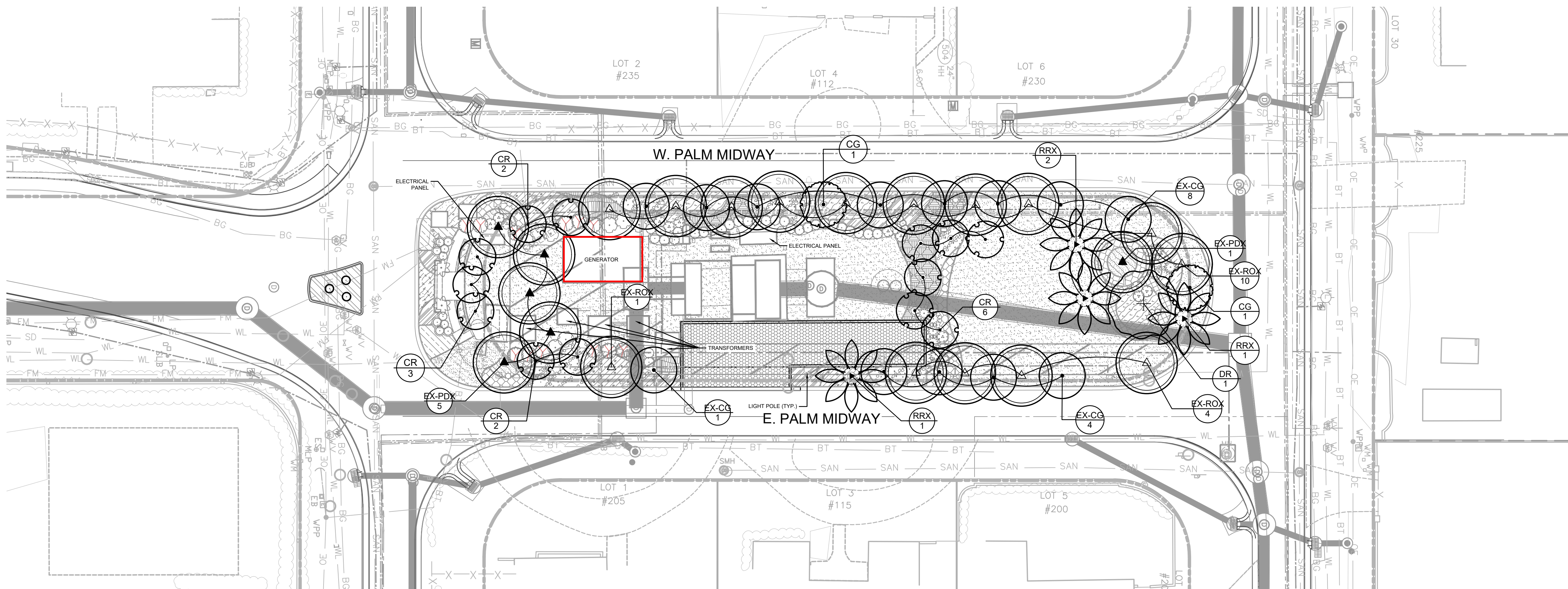
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CITY OF MIAMI BEACH

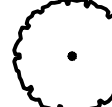
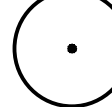




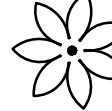
LANDSCAPE SCHEDULE - KEY MAP

Scott W. Peavler, R.L.A.
Florida R.L.A. No. 6666976

PROJECT NO.
17-0027-001-01

LP-0
SHEET ____ OF ____



TREE & PALM LEGEND		
TREES	CODE	COMMON / BOTANICAL NAME
	CG	Bridal Veil Tree <i>Caesalpinia granadillo</i>
	EX-CG	Bridal Veil Tree <i>Caesalpinia granadillo</i>
	CR	Autograph Tree <i>Clusia rosea</i>
	DR	Royal Poinciana <i>Delonix regia</i>
PALM TREES	CODE	COMMON / BOTANICAL NAME
	EX-PDX	Existing Date Palm <i>Phoenix dactylifera</i> 'Medjool'
	EX-ROX	Existing Royal Palm <i>Roystonea elata</i>
	RRX	Royal Palm <i>Roystonea regia</i>

HIBISCUS ISLAND
CITY OF MIAMI BEACH, FLORIDA

Scott W. Peavler, R.L.A.
Florida R.L.A. No. 6666976

PROJECT NO.
17-0027-001-01

LP-1

SHEET ____ OF ____

A COMMENT RESPONSE REVISIONS		CMP	08/02/19	DATE	04/xx/18
A CITY REQUESTED REVISIONS		CMP	09/09/19	SCALE:	1"=20'
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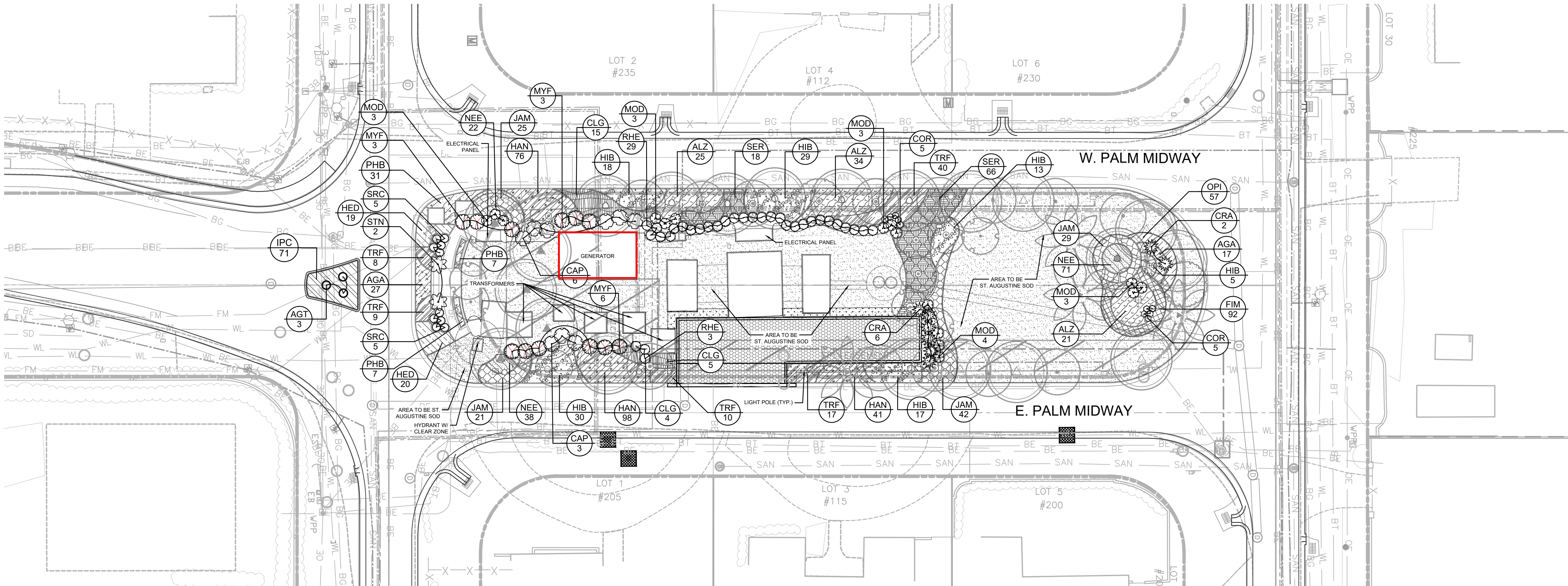
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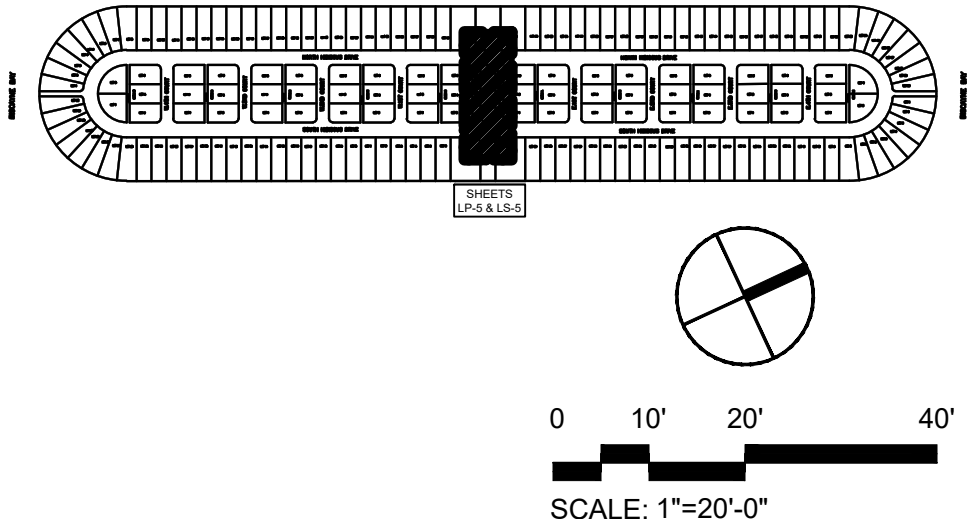
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SHRUB PLAN LEGEND		
SHRUBS	CODE	COMMON / BOTANICAL NAME
	AGT	Soft Tip Agave Agave attenuata
	CAP	Jamaica Caper Capparis cynophallophora
	COR	Red Sister Ti Cordyline fruticosa 'Red Sister'
	CRA	Queen Emma Crinum Lily Crinum augustum 'Queen Emma'
	MOD	Swiss Cheese Plant Monstera deliciosa
	MYF	Simpson Stopper Myrcianthes fragrans
	RHE	Lady Palm Rhaps excelsa
	SRC	Silver Saw Palmetto Serenoa repens 'Cinerea'
	STN	Giant Bird of Paradise Streitizia nicolai
SHRUB AREAS	CODE	COMMON / BOTANICAL NAME
	AGA	Soft Tip Agave Agave attenuata
	ALZ	Variegated Shell Ginger Alpinia zerumbet 'Variegata'
	CLG	Small-leaf Clusia Clusia guttifera
	FIM	Green Island Ficus Ficus microcarpa 'Green Island'
	HAN	Dwarf Firebush Hamelia nodosa
	HED	Dune Sunflower Helianthus debilis
	HIB	Hibiscus Hibiscus rosa-sinensis 'Seminole Pink'
	JAM	Downey Jasmine Jasminum multiflorum
	NEE	Boston Fern Nephrolepis exaltata
	OPI	Variegated Aztec Grass Ophiopogon intermedius 'Argenteomarginatus'
	PHB	Burle Marx Philodendron Philodendron 'Burle Marx'
	SER	Silver Saw Palmetto Serenoa repens 'Cinerea'
	TRF	Florida Gamagrass Tripsacum floridanum
GROUND COVERS	CODE	COMMON / BOTANICAL NAME
	IPC	Railroad Vine Ipomoea pes-caprae
	SOD	St. Augustine Grass Stenotaphrum secundatum



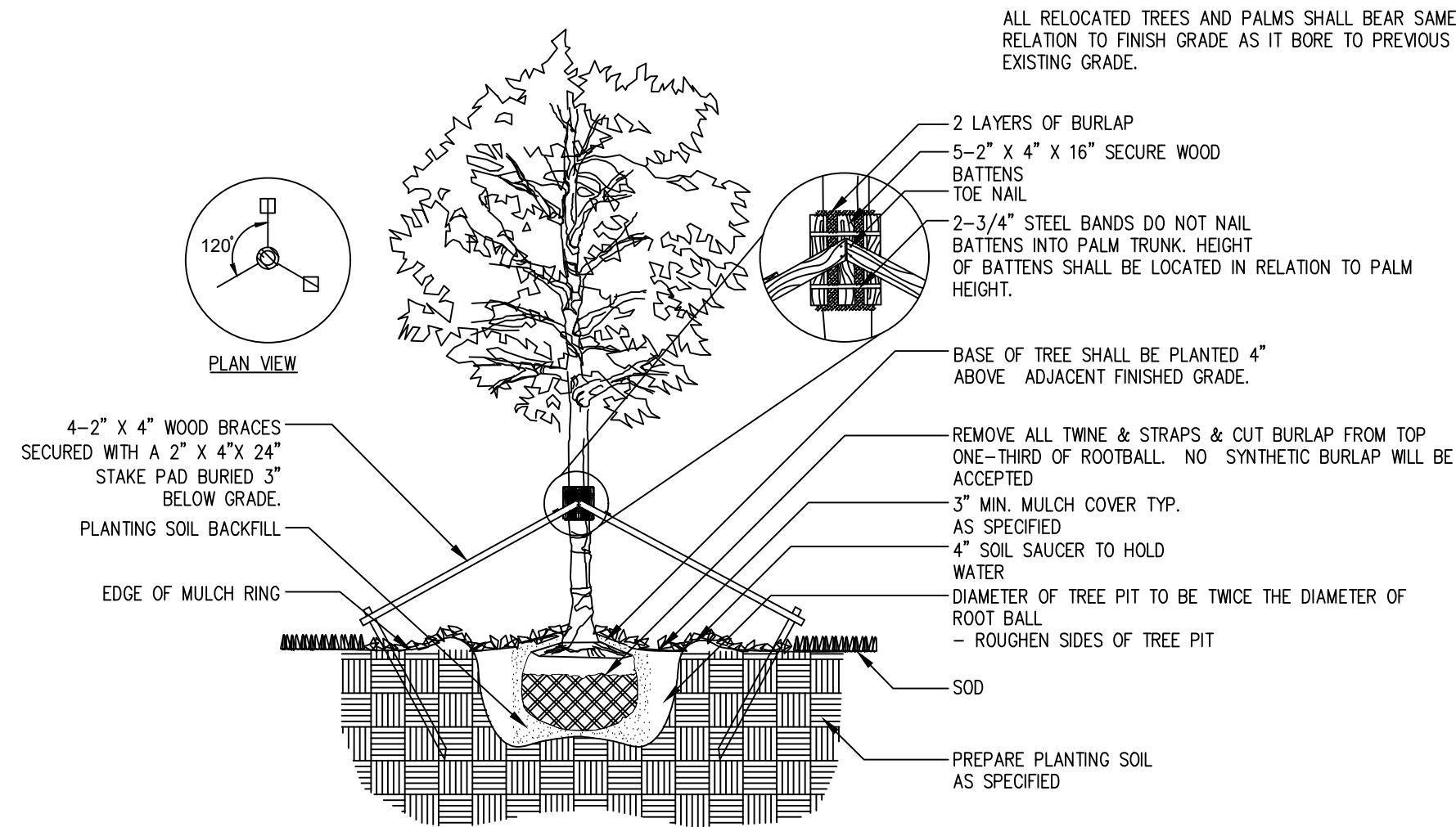
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HIBISCUS ISLAND
CITY OF MIAMI BEACH, FLORIDA
PREPARED FOR:
CITY OF MIAMI BEACH
SHRUB PLANTING PLAN

Scott W. Peaver, R.L.A.
Florida R.L.A. No. 6666976
PROJECT NO.
17-0027-001-01
LS-1
SHEET ____ OF ____

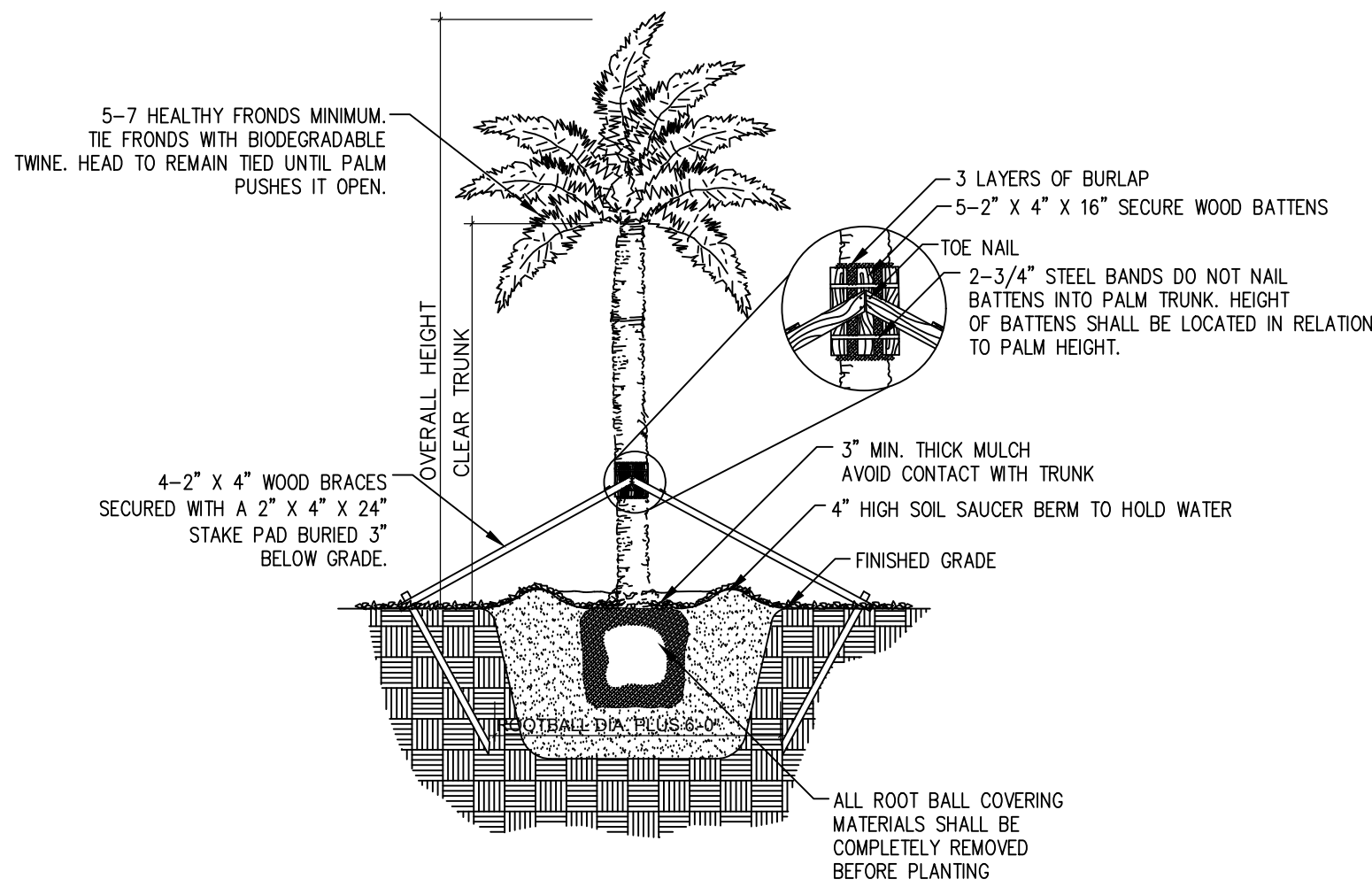
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		DRAWN BY:	SWP
		CHECKED BY:	JDH
		APPROVED BY:	SWP

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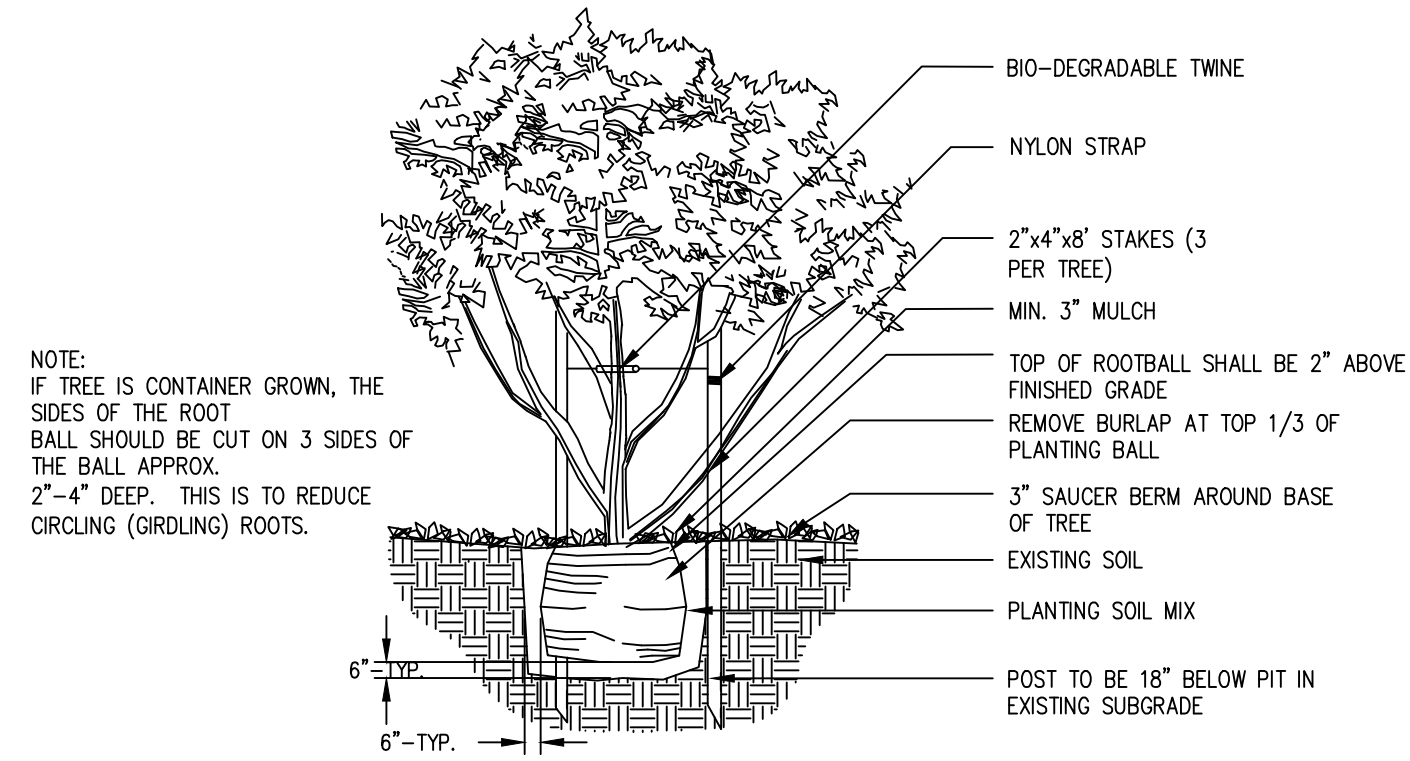
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NTS



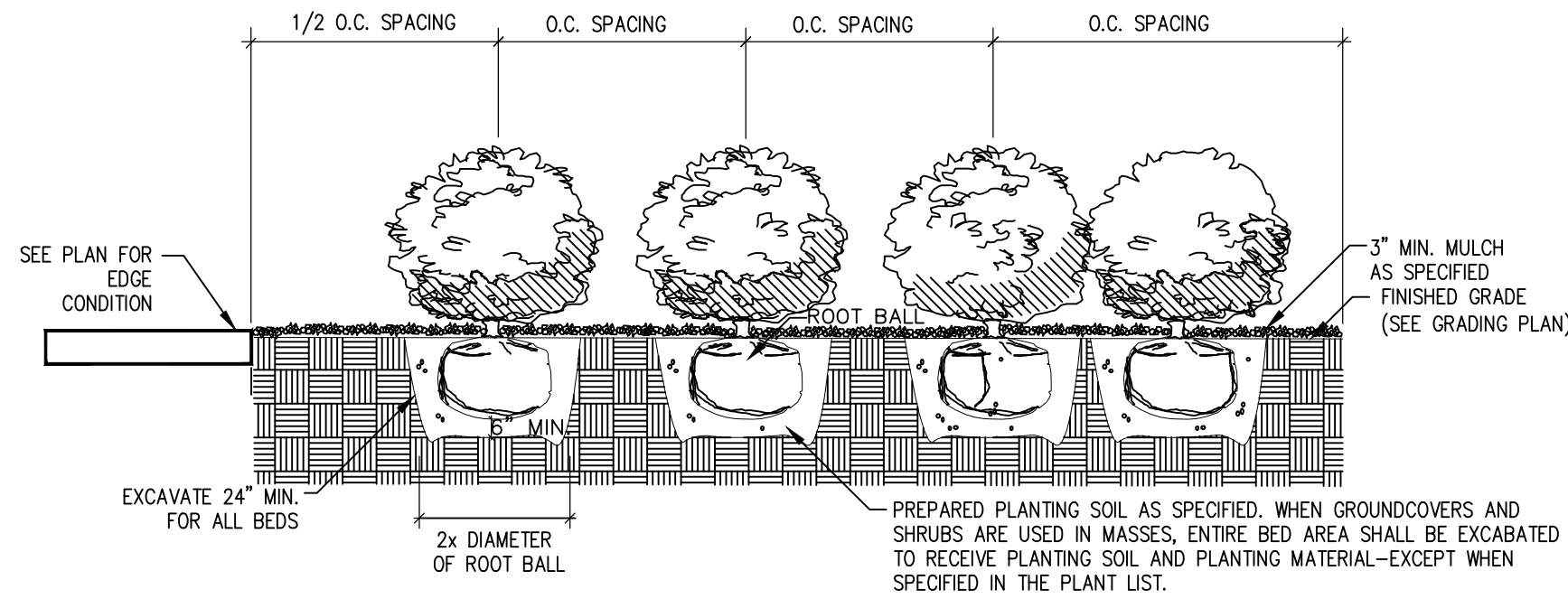
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NTS



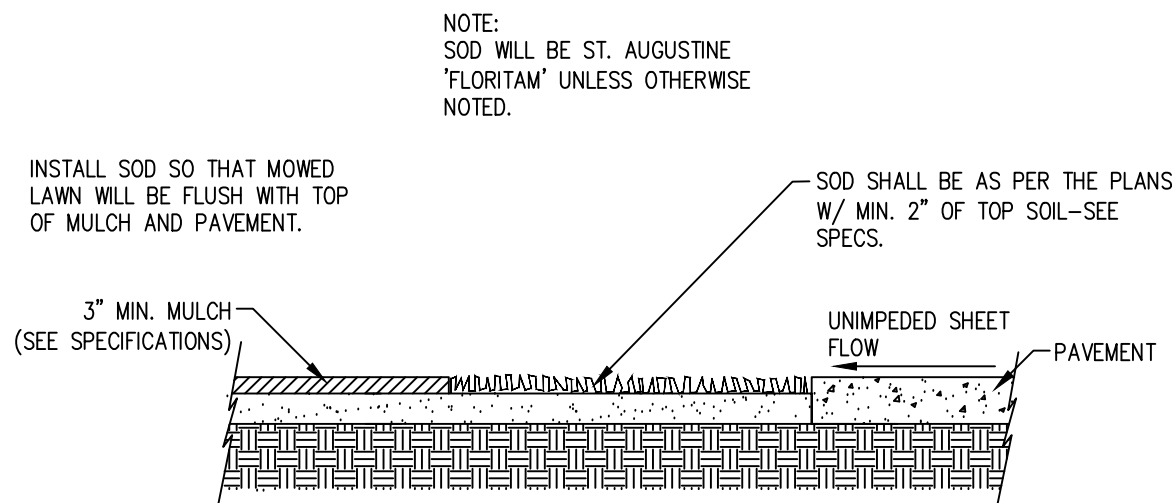
3 SMALL TREE PLANTING DETAIL
SECTION

NTS



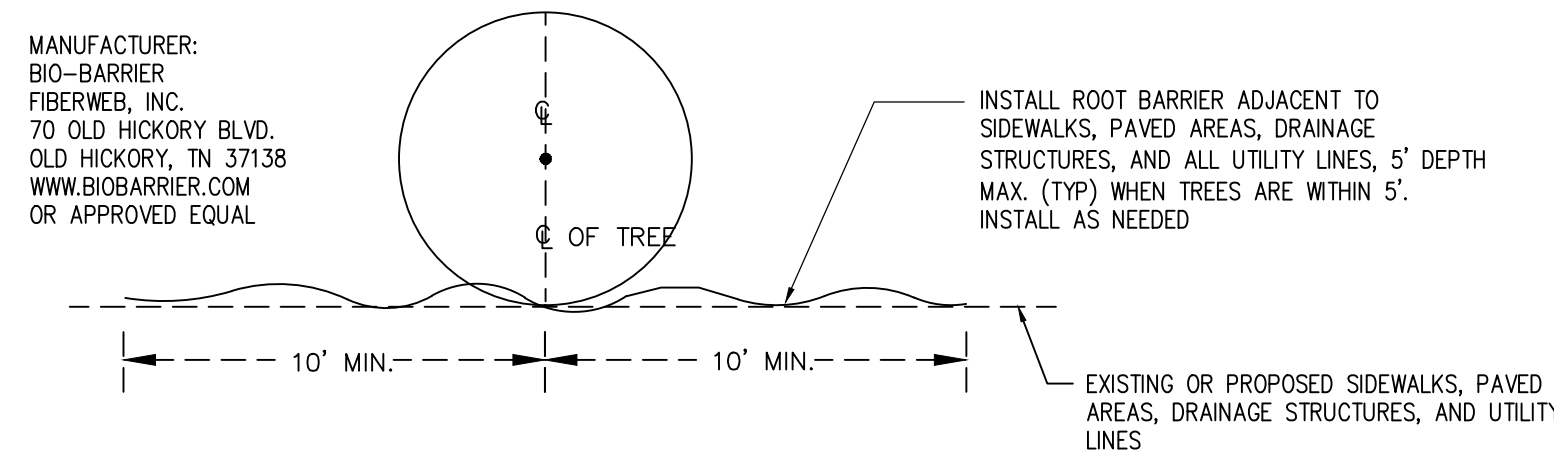
4 SHRUB PLANTING DETAIL
SECTION

NTS



5 SOD INSTALLATION
SECTION

NTS



6 ROOT BARRIER INSTALLATION
SECTION

NTS

HIBISCUS ISLAND
CITY OF MIAMI BEACH, FLORIDA
PREPARED FOR:
CITY OF MIAMI BEACH
LANDSCAPE DETAILS

Scott W. Peavler, R.L.A.
Florida R.L.A. No. 6666976

PROJECT NO.
17-0027-001-01

LD-1
SHEET ___ OF ___

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
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FLORIDA LICENSED ENGINEERING SURVEYING & PLANNING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 0000414
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DATE:	04/XX/18
SCALE:	
DESIGN BY:	SWP
DRAWN BY:	SWP
CHECKED BY:	JDH
APPROVED BY:	SWP
DATE:	
BY:	
DESCRIPTION:	
COMMENT RESPONSE REVISIONS	
CMP	08/02/19
CMP	09/08/19
CITY REQUESTED REVISIONS	

GENERAL NOTES

1. A PRE-CONSTRUCTION MEETING WITH THE CITY OF MIAMI BEACH IS REQUIRED PRIOR TO LANDSCAPING ACTIVITIES INCLUDING REMOVAL OF TREES AND/OR INSTALLATION OF PLANT MATERIAL. CALL 954-797-1072 A MINIMUM OF 5 DAYS PRIOR TO DESIRED START DATE TO SCHEDULE PRE-CONSTRUCTION MEETING.

2. ALL EXISTING TREES PROPOSED TO REMAIN ARE TO BE SEPARATED FROM THE LIMITS OF DISTURBANCE OF THE CONSTRUCTION AREA BY TREE PROTECTION FENCING AND SIGNAGE. THE TREE PROTECTION FENCING SHALL BE LOCATED AT THE EDGE OF THE TREE PROTECTION ZONE AS DEPICTED ON THE PLAN OR AT THE EDGE OF THE DRUPLINE(S) IF A TREE PROTECTION ZONE IS NOT DESIGNATED. NO MATERIAL STORAGE OR CONSTRUCTION ACCESS IS PERMITTED WITHIN THE TREE PROTECTION ZONE.

3. ALL EXISTING TREES SHALL BE PRUNED TO ANSI A-300 STANDARDS TO CORRECT POTENTIAL HAZARDS.

4. A TREE REMOVAL PERMIT IS REQUIRED PRIOR TO REMOVAL OR RELOCATION OF ANY TREE OR PALM. CONTACT THE CITY OF MIAMI BEACH TO OBTAIN PERMIT INFORMATION.

5. LANDSCAPE CONTRACTOR SHALL NOTIFY SUNSHINE ONE CALL OF FLORIDA, INC. AT 1-800-452-4770 A MINIMUM OF 2 FULL BUSINESS DAYS PRIOR TO DIGGING. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO UTILITIES FROM PLANT INSTALLATION.

6. TREE RELOCATIONS:

A. EXISTING TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF 120 DAYS PRIOR TO RELOCATION

B. MINIMUM ROOT BALL SIZES SHALL BE IN ACCORDANCE WITH ANSI STANDARDS AS FOLLOWS:

CALIPER	MINIMUM ROOT BALL DIAMETER
1	16
2	24
3	32
4	42
5	54
6	60
7	70
8	80
>8	12 INCHES PER INCH OF TRUNK DIAMETER

TRANSPLANTED TREES WITH UNDERSIZED ROOT BALLS MAY BE REJECTED BY THE CITY AND REPLACEMENT TREES MAY BE REQUIRED.

C. A TEMPORARY IRRIGATION SYSTEM SHALL BE PROVIDED DURING AND FOR THE FIRST 40 DAYS AFTER ROOT PRUNING.

7. ALL PLANTING MUST FOLLOW PLANTING SPECIFICATIONS AND DETAILS SHOWN ON THE PLAN.

8. SUBSTITUTIONS OF PLANT SPECIES OR SPECIFICATIONS MUST BE APPROVED IN WRITING BY THE CITY OF MIAMI BEACH PRIOR TO USE.

9. ALL PLANT MATERIAL PLANTED PER THIS LANDSCAPE PLAN SHALL BE FLORIDA GRADE #1 OR BETTER. AS SPECIFIED IN THE CURRENT EDITION OF THE FLORIDA DEPARTMENT OF AGRICULTURE'S GRADES AND STANDARDS FOR NURSERY PLANTS. DAMAGED PLANT MATERIAL SHALL BE REJECTED AND REPLACED PRIOR TO INSTALLATION.

10. ALL SIZES SHOWN FOR PLANT MATERIAL ARE TO BE CONSIDERED MINIMUMS.

11. WHERE QUANTITIES AND/OR SPECIES DIFFER BETWEEN THE PLANTING PLANS AND PLANT LISTS, THE PLANS SHALL TAKE PRECEDENCE.

12. ALL NEW PLANT MATERIAL SHALL BE WARRANTED BY THE LANDSCAPE CONTRACTOR FOR A MINIMUM PERIOD OF ONE YEAR. THE WARRANTEE PERIOD SHALL BEGIN AFTER ACCEPTANCE OF THE PLANTS BY THE CITY.

13. PLANT BEDS TO BE TREATED WITH PRE-EMERGENT HERBICIDE PRIOR TO PLANTING

14. ALL TREE AND PALM STAKING AND SUPPORT SHALL BE REMOVED ONE YEAR AFTER INSTALLATION.

15. ALL LANDSCAPE MATERIAL SHALL BE THOROUGHLY WATERED AT THE TIME OF PLANTING, NO DRY PLANTING PERMITTED.

16. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY WATER PROVISIONS UNTIL SUCH TIME AS THE IRRIGATION SYSTEM IS OPERATIONAL.

17. ALL WIRE GUYS AND/OR FABRIC STRAPS SHALL BE FLAGGED WITH FLORESCENT COLORED TAPE.

18. MULCHING:

A. ALL LANDSCAPE AREAS NOT COVERED BY SOD SHALL BE COVERED BY A MINIMUM 3-INCH LAYER OF MULCH.

B. A MULCH RING WITH A MINIMUM RADIUS OF 24 INCHES (48 INCH DIAMETER), IS REQUIRED AROUND ALL NEWLY INSTALLED TREES AND PALMS.

C. CYPRESS MULCH SHALL NOT BE USED.

D. NO MULCH SHALL BE PLACED TOUCHING OR WITHIN SIX INCHES OF THE TRUNK OF A TREE OR PALM.

20. ALL NEWLY LANDSCAPED AREAS SHALL BE EXCAVATED DOWN TO A DEPTH OF 24 INCHES BELOW FINAL GRADE AND BACK FILLED WITH CLEAN DEBRIS-FREE SOIL. EXISTING SOIL MAY BE RE-USED FOR BACKFILLING IF DEBRIS IS REMOVED AND ORGANIC CONTENT IS AT LEAST 30% OR SOIL IS AUGMENTED WITH TOPSOIL TO GET TO 30% ORGANIC CONTENT. CONSTRUCTION ACCESS SHALL BE RESTRICTED FROM THE LANDSCAPE AREA AFTER EXCAVATION AND BACKFILL IS COMPLETE. A MINIMUM OF 2" OF SOIL SHALL BE PLACED UNDER SOD AREAS AND A MINIMUM OF 6" PLACED IN PLANTING BEDS.

21. ALL LANDSCAPE AREAS SHALL BE FINISH GRADED SUCH THAT THEY ARE A MINIMUM OF 3.5 INCHES BELOW SURROUNDING PAVED SURFACES SO AS NOT TO IMPEDE THE FLOW OF DRAINAGE INTO LANDSCAPED AREAS AND TO ALLOW FOR A 3-INCH MULCH LAYER.

22. THE LOCATION OF PLANT MATERIAL AS SHOWN ON THESE PLANS IS FINAL. THE FINAL LOCATIONS CAN BE ADJUSTED ON SITE TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS. THESE CHANGES MUST COMPLY WITH ALL SAFETY SETBACK CRITERIA AND BE DIRECTED OR APPROVED BY THE LANDSCAPE ARCHITECT AND THE CITY OF MIAMI BEACH CODES.

23. REPORT ANY AND ALL DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT IMMEDIATELY.

24. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.

25. BEFORE CONSTRUCTION BEGINS THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING CONSTRUCTION. IF SUCH DAMAGE OCCURS THE CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY REPAIRS AND THEY SHOULD BE MADE IMMEDIATELY AT THE CONTRACTORS EXPENSE WITH SUPERVISION OF THE LANDSCAPE ARCHITECT.

26. ALL WORK MUST COMPLY WITH THE FLORIDA STATE STATUTE 553.81- "PROTECTION OF UNDERGROUND PIPELINES."

27. THE CONTRACTOR MUST COMPLY WITH ALL STATE AND LOCAL WATER QUALITY STANDARDS.
28. THE LOCATION OF ALL THE UTILITIES SHOWN ON THE PLAN IS APPROXIMATE. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR ON SITE. ALL PLANTING MAY BE ADJUSTED TO AVOID CONFLICTS WITH UTILITIES AND/OR EXISTING ABOVE GROUND ELEMENTS. ANY ADJUSTMENTS GREATER THAN 10 FEET SHALL BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT.

29. CAUTION SHOULD BE EXERCISED WHEN WORKING NEAR EXISTING PLANTING AND ANY FURNISHING THAT IS TO REMAIN ON SITE TO PREVENT ANY DAMAGE. ANY SIGNS, STRUCTURES, OR PLANTING SHALL BE REPLACED AT THE CONTRACTORS EXPENSE IF DAMAGED BEYOND USE. DAMAGED BEYOND USE WILL BE DETERMINED BY THE LANDSCAPE ARCHITECT.

30. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE DISTRICT LOCATION SURVEYOR IMMEDIATELY.

31. MAINTENANCE OF TRAFFIC FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (U.S. DEPARTMENT OF TRANSPORTATION, F.H.W.A.). ATTENTION IS DIRECTED TO STANDARD INDEX NUMBER 623 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS.

32. THE CONTRACTOR SHALL INSURE THAT INSTALLATION OF ALL PLANTING IN MEDIANS AND RIGHT OF WAYS CONFORMS TO CRITERIA SET FORTH IN F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS AND IN F.D.O.T. MAINTENANCE RATING PROGRAM.

33. ANY MAINTENANCE THAT INVOLVES TRAFFIC ACTIVITY SHALL BE COORDINATED WITH THE CONTRACTOR AND ONGOING CONSTRUCTION ACTIVITIES.

34. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL WORK AREAS AT THE END OF EACH WORKING DAY. ANY DEBRIS SHALL BE COLLECTED AND DEPOSITED APPROPRIATELY OFF SITE DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY THE LANDSCAPE ARCHITECT.

35. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS THAT ARE REQUIRED BY THE CITY FOR TREE REMOVAL, RELOCATION, TREE PROTECTION OR INSTALLATION BEFORE BEGINNING WORK.

36. ALL EXISTING TREES TO REMAIN SHALL BE PROTECTED BY INSTALLING PROTECTIVE BARRIERS AROUND THE DRIP LINE OF TREES. THESE PROTECTIVE BARRIERS SHALL BE SEEN EASILY BY OPERATORS OF TRUCKS AND OTHER EQUIPMENT. THEY SHALL BE CONSTRUCTED OF STURDY MATERIALS (NOT FLAGGING OR RIBBON) AND SHALL BE INSTALLED PRIOR TO AND DURING CONSTRUCTION.

37. DO NOT STORE OR USE ANY MATERIALS OR EQUIPMENT WITHIN THE DRIP LINE OF ANY TREE THAT IS TO BE RELOCATED OR PROTECTED IN PLACE UNLESS THE ACTIVITY IS BEING DONE TO PROTECT THE TREES.

38. DO NOT DISCHARGE OR CONTAMINATE THE SOIL WITHIN THE DRIP LINE OF ANY OF THE TREES TO BE RELOCATED OR PROTECTED IN PLACE. THIS INCLUDES SUBSTANCES SUCH AS PAINT, OIL, SOLVENTS, PETROLEUM PRODUCTS, ASPHALT, CONCRETE, MORTAR, OR ANY OTHER MATERIAL THAT MAY CAUSE DAMAGE TO THE TREE'S ROOT SYSTEM.

39. CLEARING OF VEGETATION WITHIN THE DRIP LINE OF THE TREES DESIGNATED TO BE PROTECTED IN PLACE OR RELOCATED SHALL BE PERFORMED CAUTIOUSLY WITH HAND TOOLS TO MINIMIZE ANY DAMAGE TO THE TREE'S ROOT SYSTEM.

40. DO NOT ATTACH ANYTHING TO TREES THAT ARE TO REMAIN ON THE SITE UNLESS IT IS SOMETHING THAT WILL PROTECT AND NOT DAMAGE THE TREE.

41. KEEP A NATURAL GRADE ABOVE THE DRIP LINE ON ANY TREE THAT IS TO BE PROTECTED IN PLACE. ANY PRESERVED TREES DISTURBED DURING CONSTRUCTION MUST BE RETURNED TO ITS ORIGINAL GRADE AFTER CONSTRUCTION.

42. ALL LANDSCAPE AND LIGHTING WILL BE IN ACCORDANCE WITH ORDINANCE #2011-029 FOR PROTECTION OF SEA TURTLES.

43. ALL LANDSCAPE AND PLANTING SHALL COMPLY WITH BROWARD COUNTY LAND USE POLICY 9.03.03 AND WITH CHAPTER 62B-55 OF THE FLORIDA ADMINISTRATIVE CODE.
- LANDSCAPE NOTES
1. ALL PLANT MATERIAL FURNISHED BY THE LANDSCAPE CONTRACTOR UNLESS OTHERWISE SPECIFIED SHALL BE FLORIDA NO. 1 GRADE OR BETTER, AND SHALL BE INSTALLED AS SPECIFIED IN "GRADES AND STANDARDS FOR NURSERY PLANTS," PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANT MATERIAL MUST BE HEALTHY, VIGOROUS MATERIALS, FREE OF PESTS AND DISEASES.

2. ALL SIZES SHOWN FOR PLANT MATERIAL ON THE PLAN ARE TO BE CONSIDERED AS MINIMUMS. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN OR SPECIFICATIONS WILL ALSO BE REQUIRED FOR ACCEPTANCE. ANY SUBSTITUTIONS MUST BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING.

3. THE CONTRACTOR IS RESPONSIBLE FOR ALL PLANTING MEETING SPECIFICATIONS AS NOTED BEFORE INSTALLATION. CONTRACTOR SHALL IMMEDIATELY REMOVE ALL PLANTING THAT DOES NOT MEET SPECIFICATIONS AND BE HELD RESPONSIBLE TO REPLACE IT WITH APPROPRIATE PLANTING.

4. IN THE EVENT OF A VARIATION BETWEEN THE PLANT LISTS AND THE ACTUAL QUANTITY OF PLANTS SHOWN, THE PLANS HOLD TRUE.

5. ALL ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH

6. CONTRACTOR TO SUBMIT TO THE LANDSCAPE ARCHITECT THE GROWERS AND/OR SITE INSPECTION CERTIFICATE FOR PLANT MATERIALS TWO (2) WEEKS PRIOR TO COMMENCEMENT OF WORK.

7. ALL PLANT MATERIALS MUST BE PROTECTED DURING TRANSPORT AND DELIVERY TO THE JOB SITE WITH SHADE CLOTH OR OTHER ACCEPTABLE MEANS OF WINDBURN PREVENTION.

8. CONTRACTORS SHALL FIELD VERIFY ALL INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION. ALL EXISTING PLANTING SHALL REMAIN INTACT AND UNDISTURBED UNLESS OTHERWISE NOTED ON THE PLANS.

9. LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION FOR THE REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT.

10. ALL TREES MUST BE FLORIDA #1, STRAIGHT TRUNKED, FULL HEADED, AND MEET ALL REQUIREMENTS SPECIFIED.

11. CONTRACTOR TO GUARANTEE PLANT MATERIAL FOR A FULL YEAR ESTABLISHMENT PERIOD FOLLOWING DATE OF SUBSTANTIAL COMPLETION.

12. CONTRACTOR TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE WEEK OF NOTICE.

13. CONTRACTOR TO REQUEST INSPECTION OF PROJECT IN WRITING. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE CITY AND LANDSCAPE ARCHITECT SHALL DECLARE SUBSTANTIALLY COMPLETE. SUBSTANTIAL COMPLETION CONSTITUTES THE BEGINNING OF THE GUARANTEE PERIOD.

14. INSTALLATION- ALL PLANT MATERIAL SHALL BE INSTALLED IN A SOUND WORKMANLIKE MANNER AND ACCORDING TO GOOD PLANTING PROCEDURES WITH THE QUALITY OF PLANT MATERIALS AS HEREINAFTER DESCRIBED. ALL ELEMENTS OF LANDSCAPING SHALL BE INSTALLED SO AS TO MEET ALL APPLICABLE ORDINANCES AND CODE REQUIREMENTS.

15. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING ALL TREES AND LANDSCAPE UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF PLANTS IF DEAD OR DYING PRIOR TO FINAL ACCEPTANCE.

16. TYPICALLY, SHRUB AND GROUNDCOVER PLANTINGS ARE SHOWN AS MASS PLANTING BEDS. PLANTS SHOULD BE PLACED ON A TRIANGULAR SPACING SHOWN IN THE PLANTING DETAILS. PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE LISTED ON THE PLANT LIST.

17. TREES GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE THE GROW BAG REMOVED ENTIRELY BEFORE PLANTING.

18. ALL PLANT ROOT BALLS SHALL BE 10% ABOVE GRADE AND THE WIRE BASKETS, BURLAP, STRING AND ROPE MUST BE REMOVED PRIOR TO INSTALLATION.

19. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES, AND ANY OTHER MATERIALS FROM THE LANDSCAPE ARCHITECT FOR COMPLETE LANDSCAPE PLANTING INSTRUCTIONS.

20. "BRANCH TOUCHING BRANCH" PROVIDED AT TIME OF INSTALLATION. ALL HEDGES - BOTH COCOPULM AND SILVER BUTTWOOD TO BE MIN. 24" AT PLANTING AND 36" HIGH WITHIN ONE YEAR.

21. THE FOLLOWING GUIDELINES SHALL BE FOLLOWED TO ENSURE SUCCESSFUL TRANSPLANTING OF TREES:

a. ANY TREE BEING RELOCATED SHALL NOT BE UNNECESSARILY DAMAGED DURING REMOVAL, TRANSPORT, OR REPLANTING OF THAT TREE.

b. TREES MUST BE ROOT PRUNED APPROPRIATELY PRIOR TO REMOVAL .

c. DURING AND FOLLOWING TRANSPLANTING THE ROOT BALL MUST BE KEPT MOIST AT ALL TIMES.

d. TRANSPLANTED TREES SHALL BE BRACED AT LEAST ONE FULL YEAR.

e. TRANSPLANTED TREES SHALL NOT BE FERTILIZED AT PLANTING TIME BUT SHALL BE WATERED SUFFICIENTLY UNTIL THE TREE GROWTH IS REESTABLISHED.

f. RELOCATED TREES/PALMS WILL BE MOVED IN ACCORDANCE WITH MINIMUM STANDARDS SET FORTH IN ANSI A-300

g. ALL CROWN PRUNING SHALL BE DONE IN ACCORDANCE WITH NATIONAL ARBORIST ASSOCIATION STANDARDS OR PALM PRUNING IN ACCORDANCE WITH CITY STANDARDS.

23. LANDSCAPE CONTRACTOR SHALL REGRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK. LANDSCAPE CONTRACTOR SHALL REPLACE (BY EQUAL SIZE AND QUALITY) ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANT REMOVAL, RELOCATION OR INSTALLATION.

24. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL PORTIONS OF EXISTING LAWN AREAS DAMAGED WHILE COMPLETING PLANTING INSTALLATION WITH SAME GRASS SPECIES TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.

25. GENERAL GRADING TO APPROXIMATELY 1 INCH SHALL BE PROVIDED BY THE CONTRACTOR. ALL FINISHED SITE GRADING AND FINAL DECORATIVE BERM SHAPING SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR.

26. ALL LANDSCAPE MATERIALS SHALL BE MAINTAINED TO PROVIDE CONTINUOUS CLEAR ZONES FOR SIGHT VISIBILITY FOR PEDESTRIANS AND VEHICULAR TRAFFIC AND LANDSCAPE MAINTENANCE SHALL CONFORM TO STANDARD INDEX 546 CRITERIA SET FORTH IN F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS.
- SOIL PREPARATION, SOIL MIX, FERTILIZER, & MULCH NOTES:
1. ENSURE THAT ALL PLANTING SOIL IS FERTILE, FRIABLE, NATURAL LOAM SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, WEEDS AND OTHER LITTER, AND FREE OF ROOTS,STUMPS AND STONES LARGER THAN ONE INCH IN ANY DIMENSION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. SHOULD ANY SOIL AMENDMENT BE NECESSARY, THE CONTRACTOR SHALL BRING THIS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.

2. APPLY APPROVED HERBICIDE- ACCORDING TO MANUFACTURERS RATE AND SPECS WITHIN LIMITS OF ALL AREAS TO BE PLANTED. PROTECT EXISTING PLANTS TO REMAIN FROM OVERSPRAY OR SPRAY WITHIN ROOT ZONE. CONTRACTOR TO ENSURE TOTAL WEED ERADICATION.

3. SCARIFY SUBSOIL TO A DEPTH OF 3 INCHES.

4. PLANTING MIX FOR TREES, SHRUBS, AND GROUNDCOVERS SHALL CONSIST OF A THOROUGHLY BLENDED MIXTURE OF:

A. 50% MUCK

B. 50% SAND

5. PLANTING MIX FOR BACKFILL AROUND ROOT BALLS OF PALMS:

A. 90% NATIVE SAND FROM ON SITE OR APPROVED SUBSTITUTE

B. 10% TOPSOIL

6. ALL PLANT MATERIAL SHALL RECEIVE A MINIMUM NPK FERTILIZER WITH MINOR TRACE ELEMENTS AND THAT 50% OF THE NITROGEN MUST BE DERIVED FROM AN ORGANIC SOURCE.

7. ALL LANDSCAPE ISLANDS AND MEDIANS SHALL BE EXCAVATED TO A DEPTH OF 30" AND BACK FILLED WITH SPECIFIC PLANTING MIX. ALSO LANDSCAPE AREAS OR PLANTERS ALONG THE BUILDINGS REQUIRE EXCAVATOON TO A DEPTH OF 12" AND BACKFILLED WITH SPECIFIC PLANTING SOIL MIX. A MINIMUM OF 6" OF TOPSOIL SHALL BE PLACED IN PLANTING BEDS.

8. SMOOTH ALL PREPARED TOPSOIL TO 3" EXCEPT WITHIN DRIP LINES OF EXISTING TREES AND 4" BELOW TOP OF SURROUNDING PAVING EDGES. REMOVE ALL ROCKS AND OTHER OBJECTS OVER 1" IN DIAMETER.

9. FINISH GRADE ALL PREPARED TOPSOIL AREAS TO A SMOOTH, EVEN SURFACE ASSURING POSITIVE DRAINAGE AWAY FROM THE STRUCTURES AND ELIMINATE ANY LOW AREAS WHICH MAY COLLECT WATER.

10. TOPSOIL SHALL NOT BE EXTREMELY ACIDIC OR ALKALINE, NOR CONTAIN ANY TOXIC SUBSTANCE WHICH MAY BE HARMFUL TO PLANT GROWTH. THE PH SHALL BE IN THE RANGE OF 6.5-7.0.

11. CONTRACTOR SHALL MULCH ALL PLANTING MATERIAL THROUGHOUT AND COMPLETELY TO A 3 INCH DEPTH WITH CLEAN, WEED FREE, ARSENIC FREE ORGANIC MULCH.

12. MINIMUM OF 2" TOPSOIL MUST BE ADDED UNDER ALL SODDED AREAS.

13. LANDSCAPE INSPECTOR SHALL BE CALLED TO APPROVE SOIL MIXTURE PRIOR TO INSTALLATION.
- IRRIGATION NOTES:
1. XERISCAPE PRINCIPLES HAVE BEEN APPLIED TO THIS LANDSCAPE PLAN AS SPECIFIED IN SFWMD's XERISCAPE PLANT GUIDE II AND SHALL BE APPLIED ALL THROUGHOUT LANDSCAPE INSTALLATION AND MAINTENANCE.

2. THE CONTRACTOR SHALL MAINTAIN TEMPORARY IRRIGATION OR PROVIDE HAND WATERING FOR ALL RELOCATED TREES AND PALMS FROM NOTICE TO PROCEED UNTIL PERMANENT IRRIGATION SYSTEM IS OPERABLE.

3. THE IRRIGATION SYSTEM SHALL BE CONFIGURED TO ACCOMMODATE EXISTING TREES AND PALMS.

4. ALL LANDSCAPED AREAS MUST BE IRRIGATED IN ACCORDANCE WITH ALL LOCAL/ COUNTY REQUIREMENTS.

5. REMOVE EXISTING IRRIGATION EQUIPMENT WHICH INTERFERES WITH ANY CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROLLERS, SPRINKLER HEADS, PIPE, QUICK COUPLERS, BACKFLOW PREVENTERS, CONTROL WIRE AND CONDUITS. ADDITIONALLY THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EXISTING SYSTEM THROUGHOUT THE CONSTRUCTION PROCESS.

6. LANDSCAPE CONTRACTOR SHALL COORDINATE ALL PLANTING WORK WITH IRRIGATION WORK. INSPECT IRRIGATION SYSTEM AND INSURE THAT ADEQUATE WATER IS AVAILABLE BEFORE BEGINNING PLANTING OPERATIONS. IRRIGATION SYSTEMS WILL NOT PROVIDE SUFFICIENT QUANTITIES OF WATER FOR NEWLY PLANTED MATERIALS. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DEEP ROOT HAND WATERING.

7. SEE IRRIGATION PLANS FOR ADDITIONAL NOTES AND DETAILS.
- R:\Landscape\2017\17-0027-001-01 - Palm & Hibiscus Island\Drawings\17-0027_LA-Hibiscus_Shrub Plan.dwg [D-2] Apr. 01, 2021 3:17pm SPEAKER
- 04/xx/18

DATE:

08/02/19

CMP

COMMENT RESPONSE REVISIONS

09/08/19

CMP

CITY REQUESTED REVISIONS

1'-20"

SCALE:

DESIGN BY:

DRAWN BY:

CHECKED BY:

APPROVED BY:

BY:

DATE:

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HIBISCUS ISLAND

CITY OF MIAMI BEACH, FLORIDA

PREPARED FOR:
CITY OF MIAMI BEACH

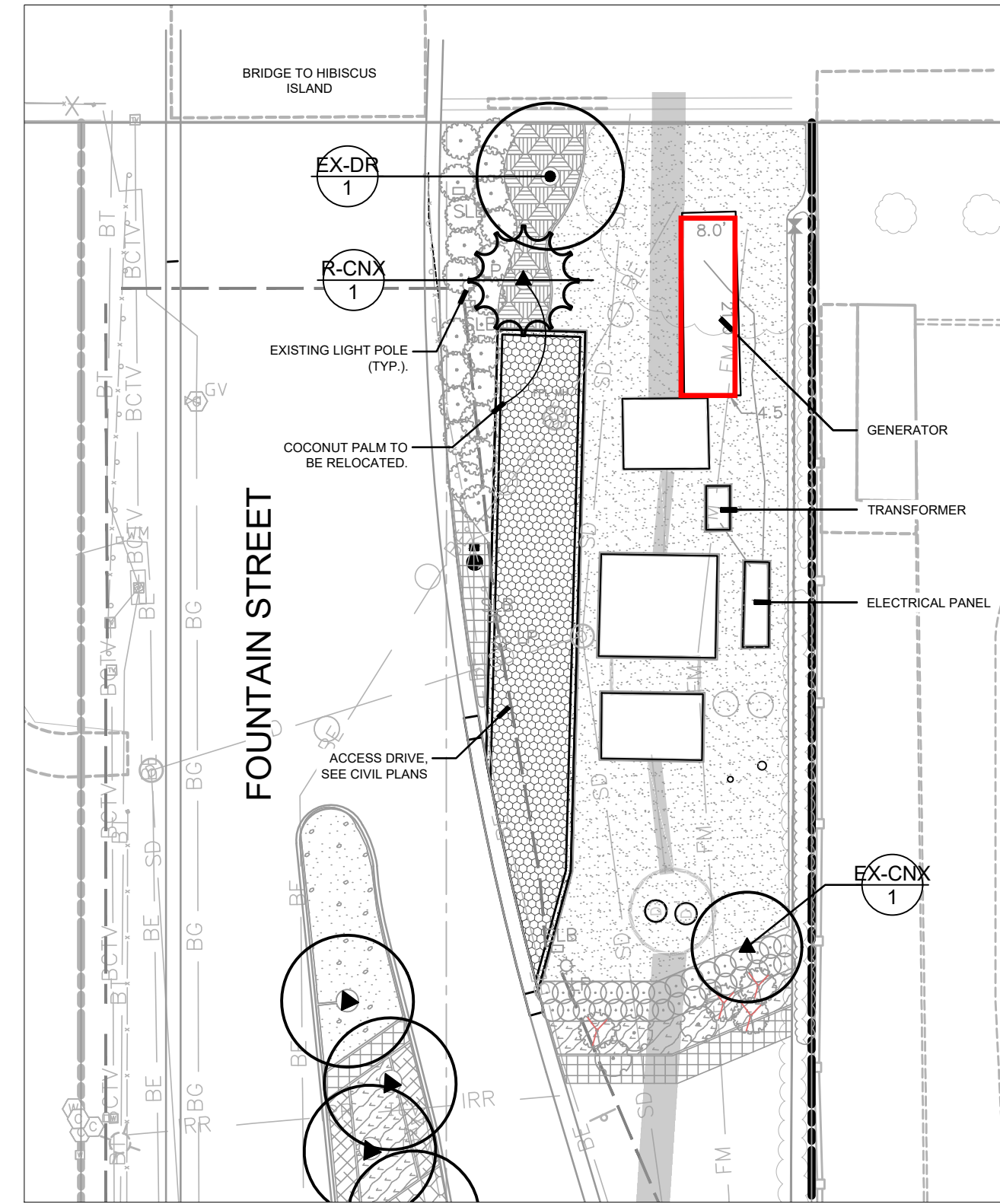
LANDSCAPE NOTES




Scott W. Peaver, R.L.A.
Florida R.L.A. No. 6666976

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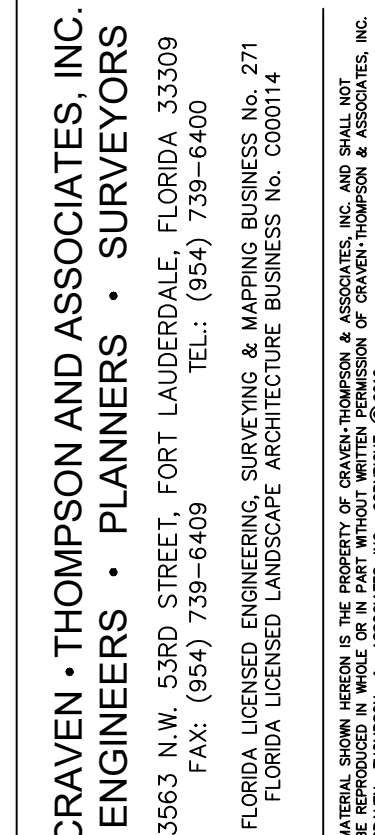
LD-2

SHEET ____ OF ____



TREE & PALM SCHEDULE (FOUNTAIN STREET PUMP STATION)						
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	REMARKS
	EX-DR	1	Delonix regia	Existing Royal Poinciana	EXISTING TREE	
RELOCATED TREES/PALMS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	REMARKS
	R-CNX	1	Relocated	Relocated Coconut Palm	Relocation	
PALM TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	REMARKS
	EX-CNX	1	Cocos nucifera	Existing Coconut Palm	EXISTING PALM	

2 FOUNTAIN STREET PUMP STATION
PLAN 1" = 20'-0"



PALM ISLAND
CITY OF MIAMI BEACH, FLORIDA

PREPARED FOR:
CITY OF MIAMI BEACH

TREE PLANTING PLAN (PUMP STATIONS)

Scott W. Peavler, R.L.A.
Florida R.L.A. No. 6666976

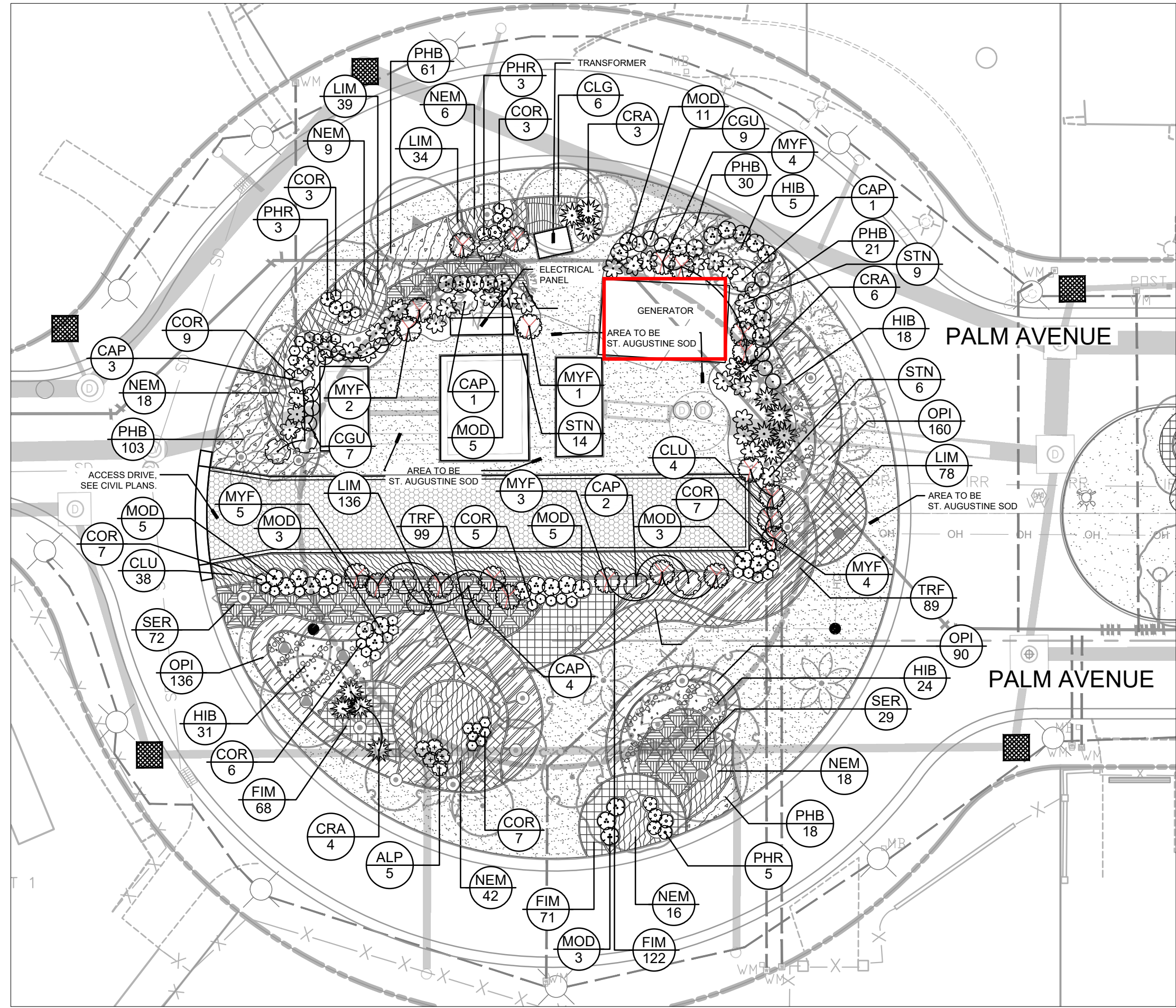
PROJECT NO.
17-0027-001-01












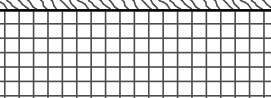

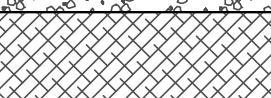

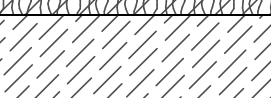


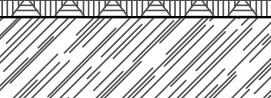
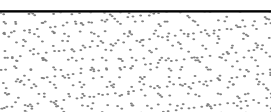
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SHEET 1 OF 4

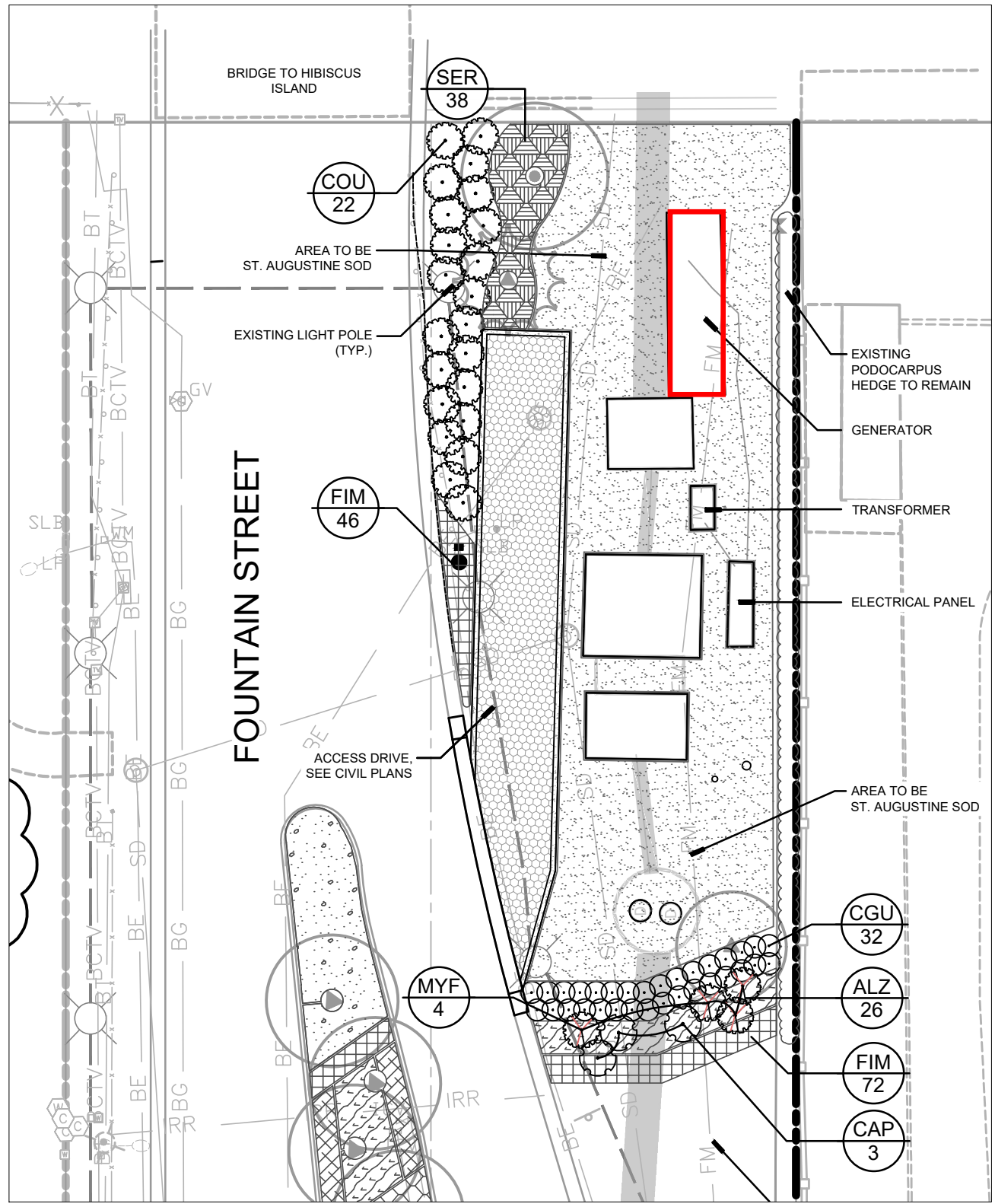
COMMENTS, RESPONSES, REVISIONS		DATE:	01/04/2019
△	REV. DUE TO FREE DISPO & CITY REQUESTED	CMP	08/02/2019
△	REV. PER SHRUB QTY UPDATES	CMP	08/04/2019
△		SWP	04/09/2020
		DESIGN BY:	SWP
		DRAWN BY:	SWP
		CHECKED BY:	JDH
		APPROVED BY:	SWP





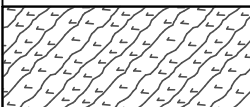
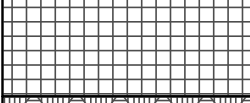


R:\Landscapa\2017\17-0027-001-01 - Palm & Hibiscus Island\Drawings\17-0027_LA-Palm_Shrub Plan (Pump Stations).dwg [LS-1] Apr. 12, 2021 3:03pm SPEAVLER



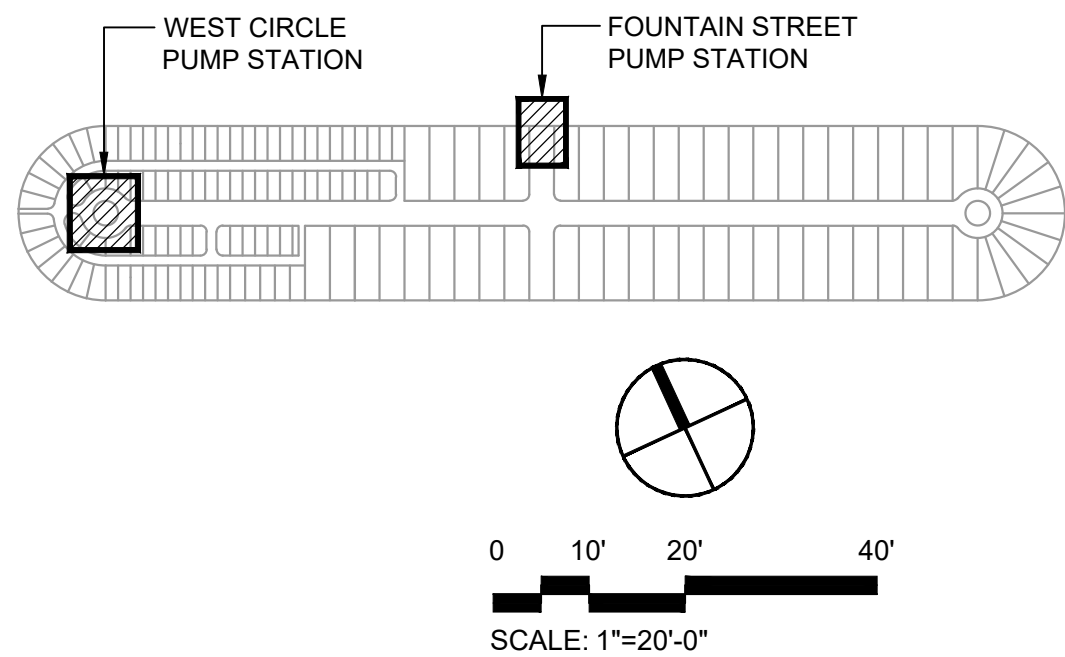
PLANT SCHEDULE (WEST CIRCLE PUMP STATION)							
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS		REMARKS
	ALP	5	Alpinia purpurata	Red Ginger	2.5' HT x 3' SPRD		
	CAP	12	Capparis cynophallophora	Jamaica Caper	6'-7' HT., FULL		
	CGU	16	Clusia guttifera	Small-leaf Clusia	4' HT x 4' SPRD		
	COR	47	Cordyline fruticosa 'Red Sister'	Red Sister Ti	3' HT X 2' SPRD		
	CRA	13	Crinum augustum 'Queen Emma'	Queen Emma Crinum Lily	4' HT x 4' SPRD		
	MOD	35	Monstera deliciosa	Swiss Cheese Plant	3' HT x 3' SPRD		
	MYF	21	Myrcianthes fragrans	Simpson Stopper	8' HT. X 4' SPRD, MULTI		
	PHR	11	Philodendron x 'Rojo Congo'	Rojo Congo Philodendron	2.5' HT x 2.5 SPR		
	STN	31	Strelitzia nicolai	Giant Bird of Paradise	6' HT. FULL		
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	SPACING	REMARKS
	CLG	6	Clusia guttifera	Small-leaf Clusia	48" HT X 30" SPREAD	36" o.c.	
	CLU	42	Clusia guttifera	Small-leaf Clusia	6' HT, FULL	42" o.c.	
	FIM	261	Ficus microcarpa 'Green Island'	Green Island Ficus	12"HT x 12" SPRD	16" o.c.	
	HIB	78	Hibiscus rosa-sinensis 'Seminole Pink'	Hibiscus	24" HT X 24" SPRD.	30" o.c.	
	LIM	351	Liriope muscari 'Evergreen Giant'	Evergreen Giant Border Grass	12"HT x 12" SPRD	16" o.c.	
	NEM	109	Nephrolepis biserrata 'Macho Fern'	Macho Fern	24" HT X 24" SPRD.	24" o.c.	
	OPI	386	Ophiopogon intermedius 'Argenteomarginatus'	Variegated Aztec Grass	12"HT x 12" SPRD	14" o.c.	
	PHB	233	Philodendron 'Burle Marx'	Burle Marx Philodendron	12"HT x 12" SPRD	18" o.c.	
	SER	119	Serenoa repens 'Cinerea'	Silver Saw Palmetto	18"HT x 18"SPRD	30" o.c.	
	TRF	188	Tripsacum floridanum	Florida Gamagrass	2'-2.5' HT	24" o.c.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	SPACING	REMARKS
	SOD	4,626 sf	Stenotaphrum secundatum	St. Augustine Grass	SOD		

1 WEST CIRCLE PUMP STATION
PLAN 1" = 20'-0"



PLANT SCHEDULE (FOUNTAIN STREET PUMP STATION)							
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS		REMARKS
	CAP	3	Capparis cynophallophora	Jamaica Caper	6'-7' HT., FULL		
	CGU	32	Clusia guttifer	Small-leaf Clusia	6' HT. FULL		
	COU	22	Coccoloba uvifera	Sea Grape	8' HT. X 4' SPRD, MULTI		
	MYF	4	Myrcianthes fragrans	Simpson Stopper	8' HT. X 4' SPRD, MULTI		
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	SPACING	REMARKS
	ALZ	26	Alpinia zerumbet 'Variegata'	Variegated Shell Ginger	18" HT x 18" SPRD	30" o.c.	
	FIM	118	Ficus microcarpa 'Green Island'	Green Island Ficus	12"HT x 12" SPRD	16" o.c.	
	SER	33	Serenoa repens 'Cinerea'	Silver Saw Palmetto	18"HT x 18"SPRD	30" o.c.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	SPACING	REMARKS
	SOD	2,640 sf	Stenotaphrum secundatum	St. Augustine Grass	SOD		

2 FOUNTAIN STREET PUMP STATION
PLAN 1" = 20'-0"



01/04/19
DATE:

1'-20'
SCALE:

SMP
DESIGN BY:

SMP
DRAWN BY:

JDH
CHECKED BY:

SMP
APPROVED BY:

COMMENT RESPONSES, REVISIONS

CMP 06/02/2019
REV. DUE TO TREE DISPO & CITY REQUESTED

SMP 04/09/2020
REV. PER SHRUB QTY UPDATES

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114
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PREPARED FOR:
CITY OF MIAMI BEACH

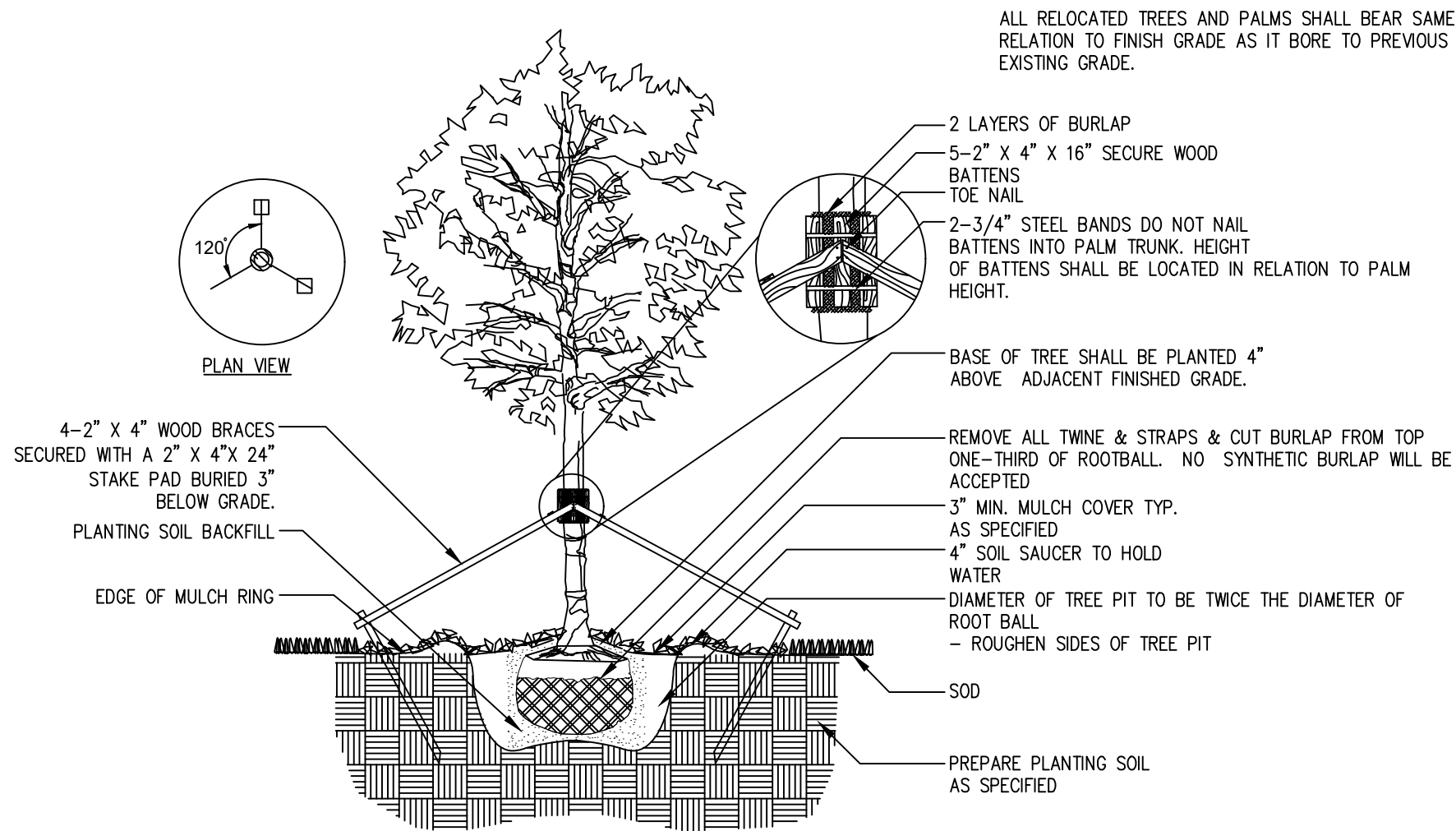
SHRUB PLANTING PLAN (PUMP STATIONS)

Scott W. Peavler, R.L.A.
Florida R.L.A. No. 6666976

PROJECT NO.
17-0027-001-01

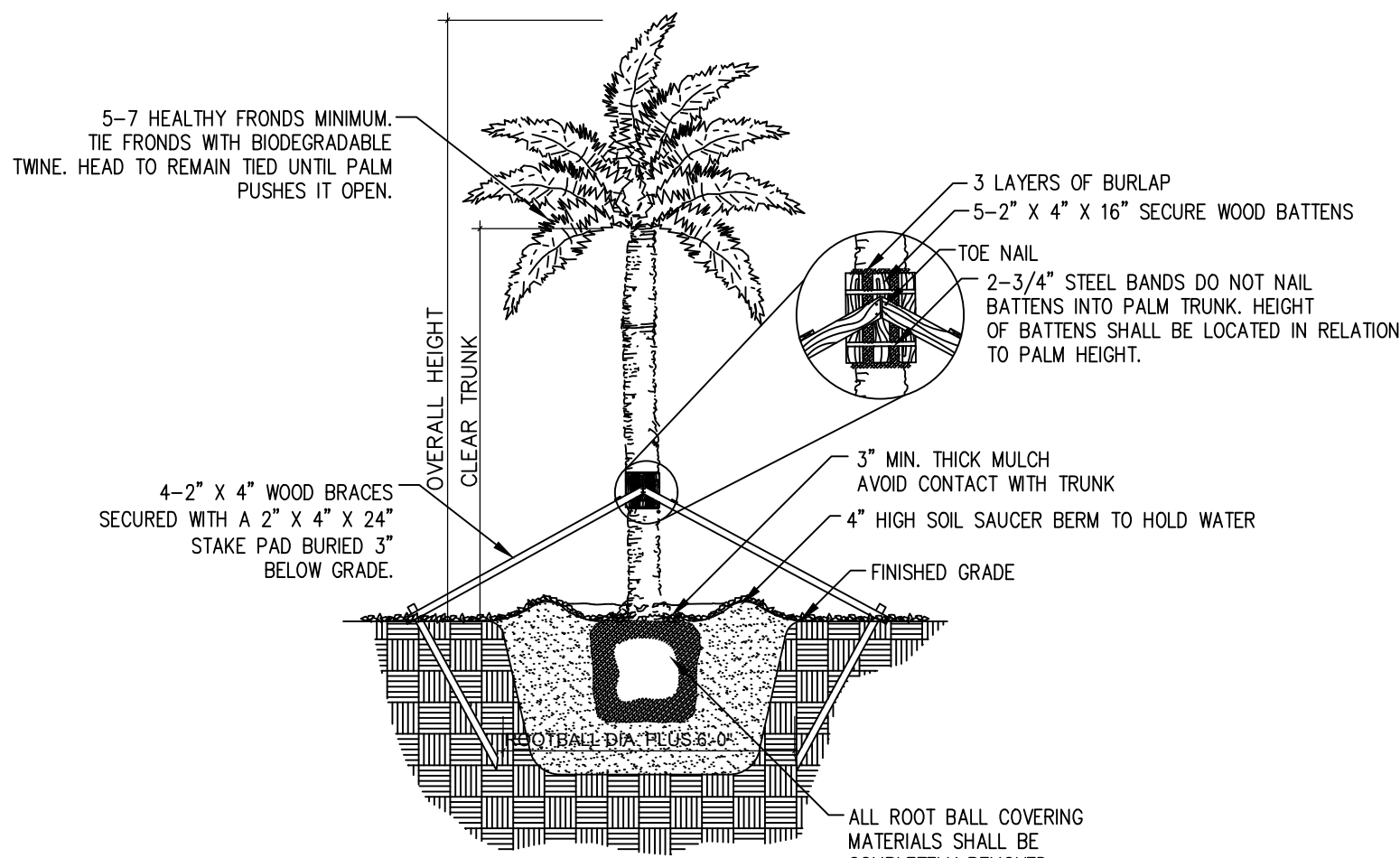
LS-1
SHEET 2 OF 4

R:\Landscapa\2017\17-0027-001-01 - Palm & Hibiscus Islena\Drawings\17-0027_LA-Palm_Shrub Plan (Pump Stations).dwg [LD-1] Mar. 31, 2021 2:18pm SPEAVLER



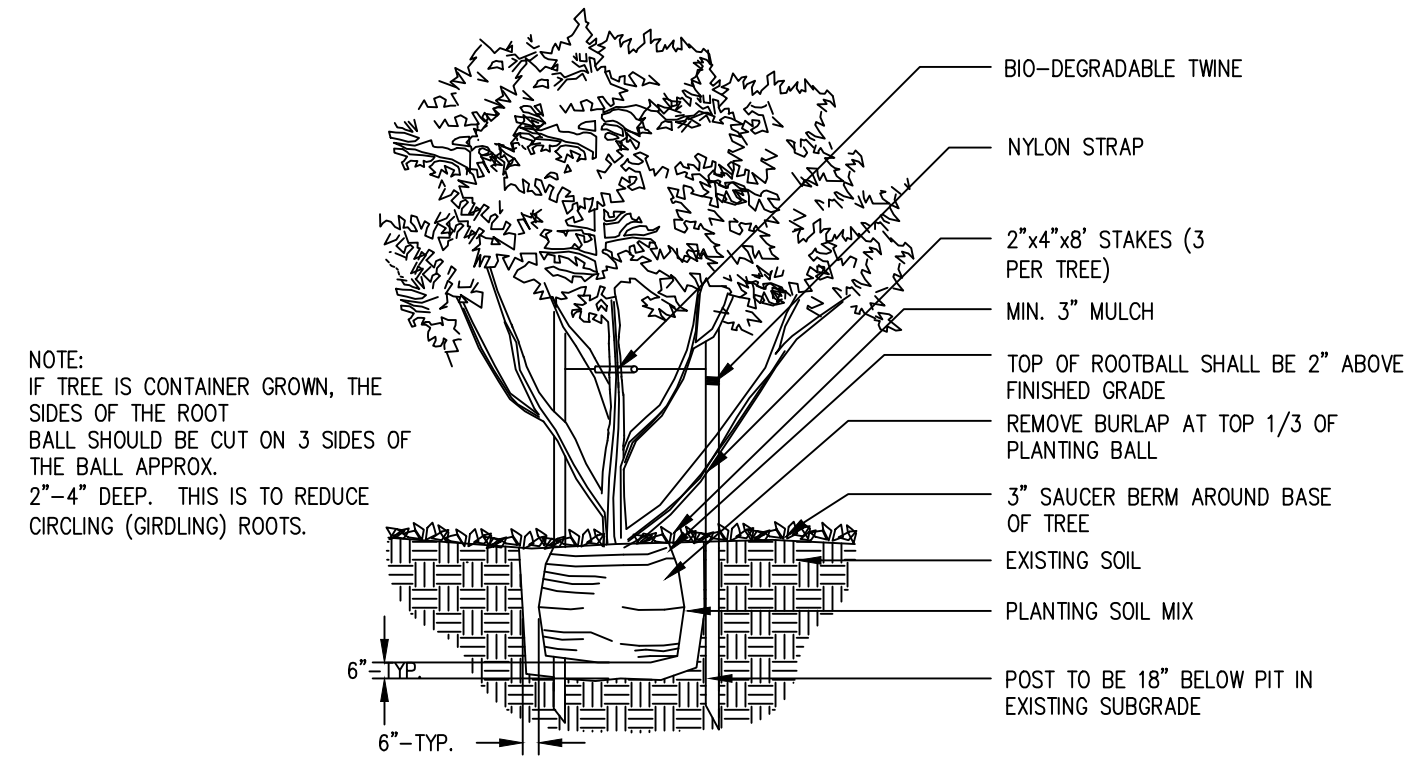
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SECTION

NTS



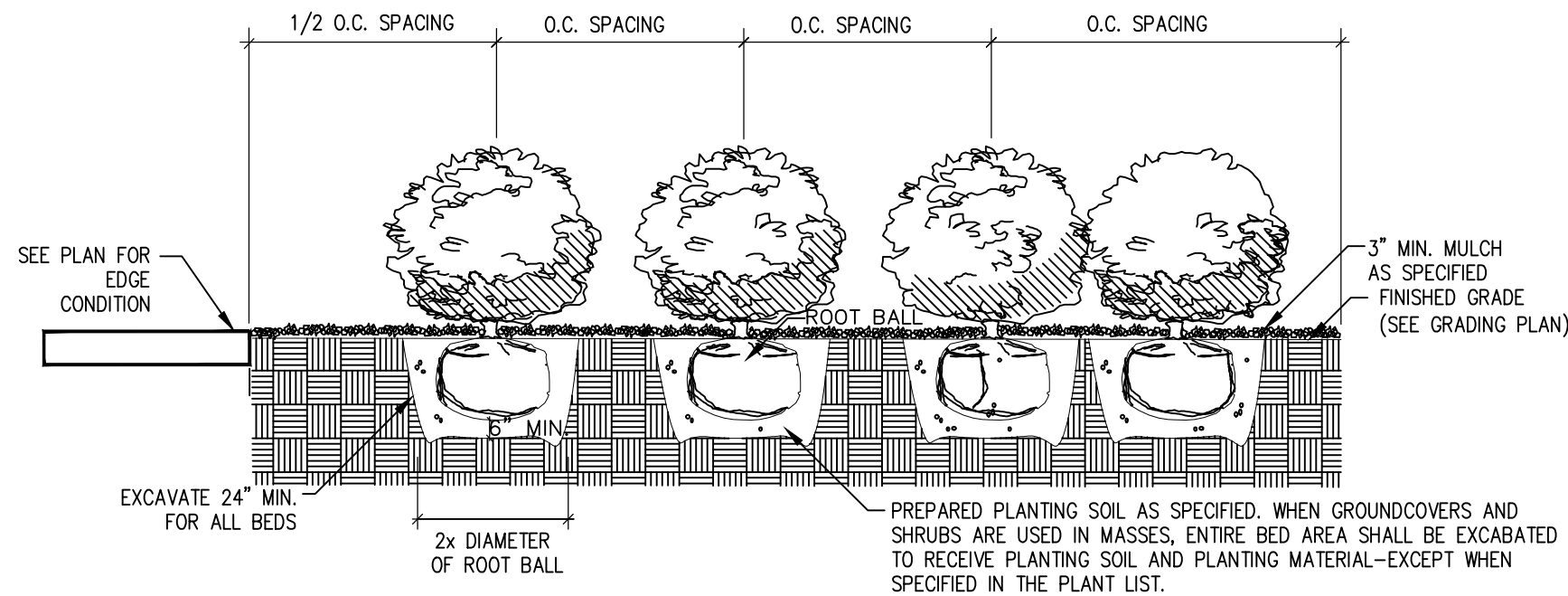
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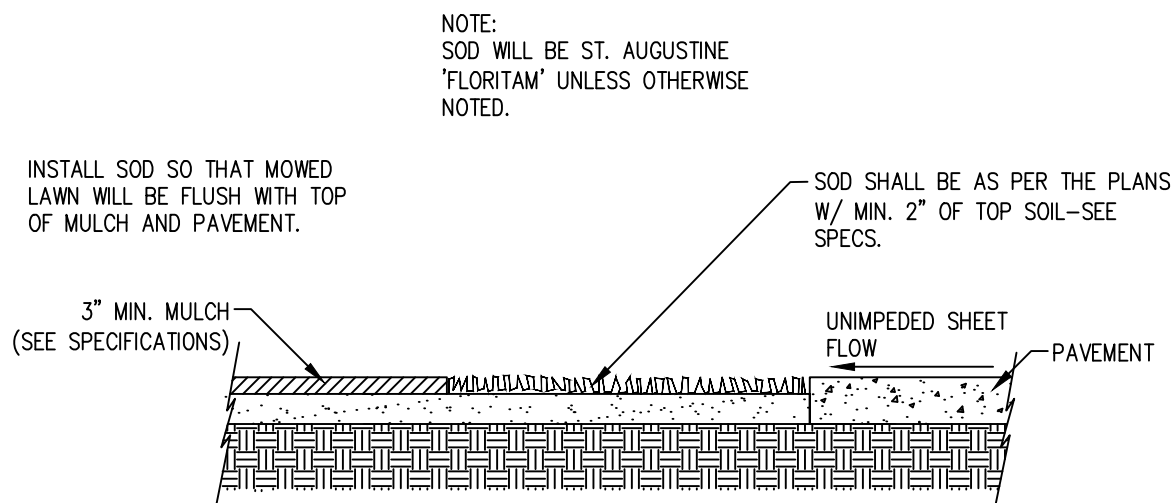
3 SMALL TREE PLANTING DETAIL
SECTION

NTS



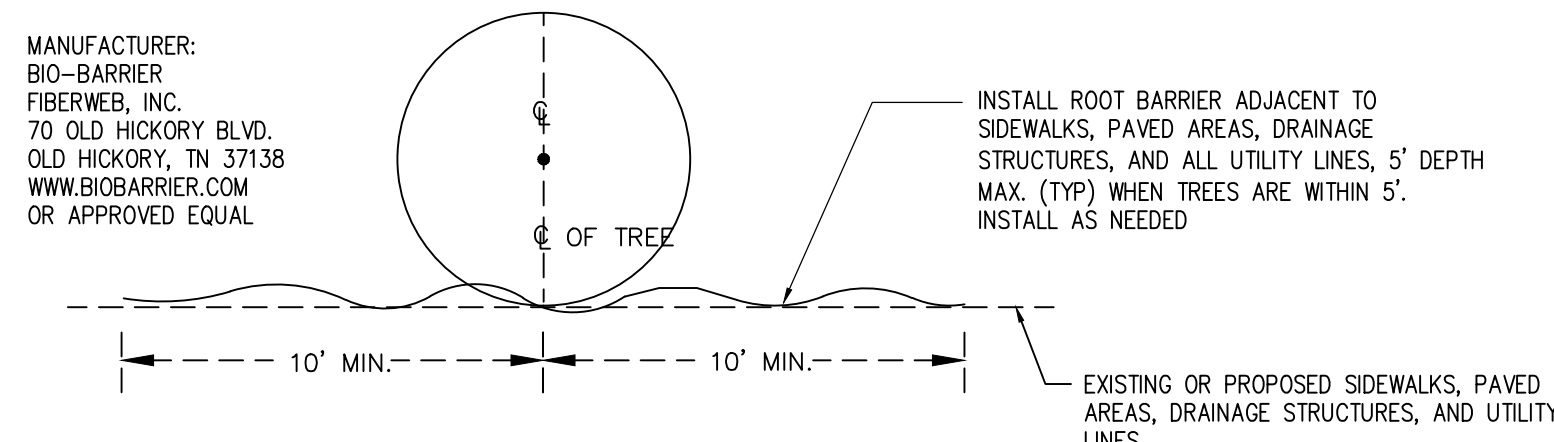
4 SHRUB PLANTING DETAIL
SECTION

NTS



5 SOD INSTALLATION
SECTION

NTS



6 ROOT BARRIER INSTALLATION
SECTION

NTS

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PALM ISLAND
CITY OF MIAMI BEACH, FLORIDA
PREPARED FOR:
CITY OF MIAMI BEACH
LANDSCAPE DETAILS

Scott W. Peavler, R.L.A.
Florida R.L.A. No. 6666976

PROJECT NO.
17-0027-001-01

LD-1
SHEET 3 OF 4

DATE:	01/04/19
SCALE:	
DESIGN BY:	SMP
DRAWN BY:	SMP
CHECKED BY:	JDH
APPROVED BY:	SMP
BY:	DATE:
COMMENT RESPONSES, REVISIONS	
CMP 06/02/2019	
REV. DUE TO TREE DISPO & CITY REQUESTED	
SMP 04/09/2020	
REV. PER SHRUB QTY UPDATES	

GENERAL NOTES

1. A PRE-CONSTRUCTION MEETING WITH THE CITY OF MIAMI BEACH IS REQUIRED PRIOR TO LANDSCAPING ACTIVITIES INCLUDING REMOVAL OF TREES AND/OR INSTALLATION OF PLANT MATERIAL. CALL 954-797-1072 A MINIMUM OF 5 DAYS PRIOR TO DESIRED START DATE TO SCHEDULE PRE-CONSTRUCTION MEETING.
2. ALL EXISTING TREES PROPOSED TO REMAIN ARE TO BE SEPARATED FROM THE LIMITS OF DISTURBANCE OF THE CONSTRUCTION AREA BY TREE PROTECTION FENCING AND SIGNAGE. THE TREE PROTECTION FENCING SHALL BE LOCATED AT THE EDGE OF THE TREE PROTECTION ZONE AS DEPICTED ON THE PLAN OR AT THE EDGE OF THE DRIPLINE(S) IF A TREE PROTECTION ZONE IS NOT DESIGNATED. NO MATERIAL STORAGE OR CONSTRUCTION ACCESS IS PERMITTED WITHIN THE TREE PROTECTION ZONE.
3. ALL EXISTING TREES SHALL BE PRUNED TO ANSI A-300 STANDARDS TO CORRECT POTENTIAL HAZARDS.
4. A TREE REMOVAL PERMIT IS REQUIRED PRIOR TO REMOVAL OR RELOCATION OF ANY TREE OR PALM. CONTACT THE CITY OF MIAMI BEACH TO OBTAIN PERMIT INFORMATION.
5. LANDSCAPE CONTRACTOR SHALL NOTIFY SUNSHINE ONE CALL OF FLORIDA, INC. AT 1-800-432-4770 A MINIMUM OF 2 FULL BUSINESS DAYS PRIOR TO DIGGING. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO UTILITIES FROM PLANT INSTALLATION.
6. TREE RELOCATIONS:
 - A. EXISTING TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF 120 DAYS PRIOR TO RELOCATION
 - B. MINIMUM ROOT BALL SIZES SHALL BE IN ACCORDANCE WITH ANSI STANDARDS AS FOLLOWS:

CALIPER	MINIMUM ROOT BALL DIAMETER
1	16
2	24
3	32
4	42
5	54
6	60
7	70
8	80
>8	12 INCHES PER INCH OF TRUNK DIAMETER

TRANSPLANTED TREES WITH UNDERSIZED ROOT BALLS MAY BE REJECTED BY THE CITY AND REPLACEMENT TREES MAY BE REQUIRED.
 - C. A TEMPORARY IRRIGATION SYSTEM SHALL BE PROVIDED DURING AND FOR THE FIRST 40 DAYS AFTER ROOT PRUNING.
7. ALL PLANTING MUST FOLLOW PLANTING SPECIFICATIONS AND DETAILS SHOWN ON THE PLAN.
8. SUBSTITUTIONS OF PLANT SPECIES OR SPECIFICATIONS MUST BE APPROVED IN WRITING BY THE CITY OF MIAMI BEACH PRIOR TO USE.
9. ALL PLANT MATERIAL PLANTED PER THIS LANDSCAPE PLAN SHALL BE FLORIDA GRADE #1 OR BETTER, AS SPECIFIED IN THE CURRENT EDITION OF THE FLORIDA DEPARTMENT OF AGRICULTURE'S GRADES AND STANDARDS FOR NURSERY PLANTS. DAMAGED PLANT MATERIAL SHALL BE REJECTED AND REPLACED PRIOR TO INSTALLATION.
10. ALL SIZES SHOWN FOR PLANT MATERIAL ARE TO BE CONSIDERED MINIMUMS.
11. WHERE QUANTITIES AND/OR SPECIES DIFFER BETWEEN THE PLANTING PLANS AND PLANT LISTS, THE PLANS SHALL TAKE PRECEDENCE.
12. ALL NEW PLANT MATERIAL SHALL BE WARRANTED BY THE LANDSCAPE CONTRACTOR FOR A MINIMUM PERIOD OF ONE YEAR. THE WARRANTY PERIOD SHALL BEGIN AFTER ACCEPTANCE OF THE PLANTS BY THE CITY.
13. PLANT BEDS TO BE TREATED WITH PRE-EMERGENT HERBICIDE PRIOR TO PLANTING
14. ALL TREE AND PALM STAKING AND SUPPORT SHALL BE REMOVED ONE YEAR AFTER INSTALLATION.
15. ALL LANDSCAPE MATERIAL SHALL BE THOROUGHLY WATERED AT THE TIME OF PLANTING, NO DRY PLANTING PERMITTED.
16. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY WATER PROVISIONS UNTIL SUCH TIME AS THE IRRIGATION SYSTEM IS OPERATIONAL.
17. ALL WIRE GUYS AND/OR FABRIC STRAPS SHALL BE FLAGGED WITH FLORESCENT COLORED TAPE.
18. MULCHING:
 - A. ALL LANDSCAPE AREAS NOT COVERED BY SOD SHALL BE COVERED BY A MINIMUM 3-INCH LAYER OF MULCH.
 - B. A MULCH RING WITH A MINIMUM RADIUS OF 24 INCHES (48 INCH DIAMETER), IS REQUIRED AROUND ALL NEWLY INSTALLED TREES AND PALMS.
 - C. CYPRESS MULCH SHALL NOT BE USED.
 - D. NO MULCH SHALL BE PLACED TOUCHING OR WITHIN SIX INCHES OF THE TRUNK OF A TREE OR PALM.
20. ALL NEWLY LANDSCAPED AREAS SHALL BE EXCAVATED DOWN TO A DEPTH OF 24 INCHES BELOW FINAL GRADE AND BACK FILLED WITH CLEAN DEBRIS-FREE SOIL. EXISTING SOIL MAY BE RE-USED FOR BACKFILLING IF DEBRIS IS REMOVED AND ORGANIC CONTENT IS AT LEAST 30% OR SOIL IS AUGMENTED WITH TOPSOIL TO GET TO 30% ORGANIC CONTENT. CONSTRUCTION ACCESS SHALL BE RESTRICTED FROM THE LANDSCAPE AREA AFTER EXCAVATION AND BACKFILL IS COMPLETE. A MINIMUM OF 2" OF SOIL SHALL BE PLACED UNDER SOD AREAS AND A MINIMUM OF 6" PLACED IN PLANTING BEDS.
21. ALL LANDSCAPE AREAS SHALL BE FINISH GRADED SUCH THAT THEY ARE A MINIMUM OF 3.5 INCHES BELOW SURROUNDING PAVED SURFACES SO AS NOT TO IMPEDE THE FLOW OF DRAINAGE INTO LANDSCAPED AREAS AND TO ALLOW FOR A 3-INCH MULCH LAYER.
22. THE LOCATION OF PLANT MATERIAL AS SHOWN ON THESE PLANS IS FINAL. THE FINAL LOCATIONS CAN BE ADJUSTED ON SITE TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS. THESE CHANGES MUST COMPLY WITH ALL SAFETY SETBACK CRITERIA AND BE DIRECTED OR APPROVED BY THE LANDSCAPE ARCHITECT AND THE CITY OF MIAMI BEACH CODES.
23. REPORT ANY AND ALL DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
24. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
25. BEFORE CONSTRUCTION BEGINS THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING CONSTRUCTION. IF SUCH DAMAGE OCCURS THE CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY REPAIRS AND THEY SHOULD BE MADE IMMEDIATELY AT THE CONTRACTORS EXPENSE WITH SUPERVISION OF THE LANDSCAPE ARCHITECT.
26. ALL WORK MUST COMPLY WITH THE FLORIDA STATE STATUTE 553.81- "PROTECTION OF UNDERGROUND PIPELINES."
27. THE CONTRACTOR MUST COMPLY WITH ALL STATE AND LOCAL WATER QUALITY STANDARDS.

LANDSCAPE NOTES

1. ALL PLANT MATERIAL FURNISHED BY THE LANDSCAPE CONTRACTOR UNLESS OTHERWISE SPECIFIED SHALL BE FLORIDA NO. 1 GRADE OR BETTER, AND SHALL BE INSTALLED AS SPECIFIED IN "GRADES AND STANDARDS FOR NURSERY PLANTS," PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANT MATERIAL MUST BE HEALTHY, VIGOROUS MATERIALS, FREE OF PESTS AND DISEASES.
2. ALL SIZES SHOWN FOR PLANT MATERIAL ON THE PLAN ARE TO BE CONSIDERED AS MINIMUMS. ALL PLANT MATERIAL MUST MEET OR EXCEED THESE MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. ANY OTHER REQUIREMENTS FOR SPECIFIC SHAPE OR EFFECT AS NOTED ON THE PLAN OR SPECIFICATIONS WILL ALSO BE REQUIRED FOR ACCEPTANCE. ANY SUBSTITUTIONS MUST BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL PLANTING MEETING SPECIFICATIONS AS NOTED BEFORE INSTALLATION. CONTRACTOR SHALL IMMEDIATELY REMOVE ALL PLANTING THAT DOES NOT MEET SPECIFICATIONS AND BE HELD RESPONSIBLE TO REPLACE IT WITH APPROPRIATE PLANTING.
4. IN THE EVENT OF A VARIATION BETWEEN THE PLANT LISTS AND THE ACTUAL QUANTITY OF PLANTS SHOWN, THE PLANS HOLD TRUE.
5. ALL ROOT BALLS SHALL CONFORM TO THE SIZE STANDARDS SET FORTH
6. CONTRACTOR TO SUBMIT TO THE LANDSCAPE ARCHITECT THE GROWERS AND/OR SITE INSPECTION CERTIFICATE FOR PLANT MATERIALS TWO (2) WEEKS PRIOR TO COMMENCEMENT OF WORK.
7. ALL PLANT MATERIALS MUST BE PROTECTED DURING TRANSPORT AND DELIVERY TO THE JOB SITE WITH SHADE CLOTH OR OTHER ACCEPTABLE MEANS OF WINDBURN PREVENTION.
8. CONTRACTORS SHALL FIELD VERIFY ALL INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION. ALL EXISTING PLANTING SHALL REMAIN INTACT AND UNDISTURBED UNLESS OTHERWISE NOTED ON THE PLANS.
9. LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION FOR THE REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT.
10. ALL TREES MUST BE FLORIDA #1, STRAIGHT TRUNKED, FULL HEADED, AND MEET ALL REQUIREMENTS SPECIFIED.
11. CONTRACTOR TO GUARANTEE PLANT MATERIAL FOR A FULL YEAR ESTABLISHMENT PERIOD FOLLOWING DATE OF SUBSTANTIAL COMPLETION.
12. CONTRACTOR TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE WEEK OF NOTICE.
13. CONTRACTOR TO REQUEST INSPECTION OF PROJECT IN WRITING. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE CITY AND LANDSCAPE ARCHITECT SHALL DECLARE SUBSTANTIALLY COMPLETE. SUBSTANTIAL COMPLETION CONSTITUTES THE BEGINNING OF THE GUARANTEE PERIOD.
14. INSTALLATION- ALL PLANT MATERIAL SHALL BE INSTALLED IN A SOUND WORKMANLIKE MANNER AND ACCORDING TO GOOD PLANTING PROCEDURES WITH THE QUALITY OF PLANT MATERIALS AS HEREINAFTER DESCRIBED. ALL ELEMENTS OF LANDSCAPING SHALL BE INSTALLED SO AS TO MEET ALL APPLICABLE ORDINANCES AND CODE REQUIREMENTS.
15. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTAINING ALL TREES AND LANDSCAPE UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF PLANTS IF DEAD OR DYING PRIOR TO FINAL ACCEPTANCE.
16. TYPICALLY, SHRUB AND GROUNDCOVER PLANTINGS ARE SHOWN AS MASS PLANTING BEDS. PLANTS SHOULD BE PLACED ON A TRIANGULAR SPACING SHOWN IN THE PLANTING DETAILS. PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE LISTED ON THE PLANT LIST.
17. TREES GROWN IN GROW BAGS OR GROW BAG TYPE MATERIAL MUST HAVE THE GROW BAG REMOVED ENTIRELY BEFORE PLANTING.
18. ALL PLANT ROOT BALLS SHALL BE 10% ABOVE GRADE AND THE WIRE BASKETS, BURLAP, STRING AND ROPE MUST BE REMOVED PRIOR TO INSTALLATION.
19. CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, PLANT LIST, GENERAL NOTES, AND ANY OTHER MATERIALS FROM THE LANDSCAPE ARCHITECT FOR COMPLETE LANDSCAPE PLANTING INSTRUCTIONS.
20. "BRANCH TOUCHING BRANCH" PROVIDED AT TIME OF INSTALLATION. ALL HEDGES - BOTH COCOPULM AND SILVER BUTTONWOOD TO BE MIN. 24" AT PLANTING AND 36" HIGH WITHIN ONE YEAR.
21. THE FOLLOWING GUIDELINES SHALL BE FOLLOWED TO ENSURE SUCCESSFUL TRANSPLANTING OF TREES:
 - a. ANY TREE BEING RELOCATED SHALL NOT BE UNNECESSARILY DAMAGED DURING REMOVAL, TRANSPORT, OR REPLANTING OF THAT TREE.
 - b. TREES MUST BE ROOT PRUNED APPROPRIATELY PRIOR TO REMOVAL .
 - c. DURING AND FOLLOWING TRANSPLANTING THE ROOT BALL MUST BE KEPT MOIST AT ALL TIMES.
 - d. TRANSPLANTED TREES SHALL BE BRACED AT LEAST ONE FULL YEAR.
 - e. TRANSPLANTED TREES SHALL NOT BE FERTILIZED AT PLANTING TIME BUT SHALL BE WATERED SUFFICIENTLY UNTIL THE TREE GROWTH IS REESTABLISHED.
 - f. RELOCATED TREES/PALMS WILL BE MOVED IN ACCORDANCE WITH MINIMUM STANDARDS SET FORTH IN ANSI A-300
 - g. ALL CROWN PRUNING SHALL BE DONE IN ACCORDANCE WITH NATIONAL ARBORIST ASSOCIATION STANDARDS OR PALM PRUNING IN ACCORDANCE WITH CITY STANDARDS.
23. LANDSCAPE CONTRACTOR SHALL REGRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK. LANDSCAPE CONTRACTOR SHALL REPLACE (BY EQUAL SIZE AND QUALITY) ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANT REMOVAL, RELOCATION OR INSTALLATION.
24. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL PORTIONS OF EXISTING LAWN AREAS DAMAGED WHILE COMPLETING PLANTING INSTALLATION WITH SAME GRASS SPECIES TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.
25. GENERAL GRADING TO APPROXIMATELY 1 INCH SHALL BE PROVIDED BY THE CONTRACTOR. ALL FINISHED SITE GRADING AND FINAL DECORATIVE BERM SHAPING SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR.
26. ALL LANDSCAPE MATERIALS SHALL BE MAINTAINED TO PROVIDE CONTINUOUS CLEAR ZONES FOR SIGHT VISIBILITY FOR PEDESTRIANS AND VEHICULAR TRAFFIC AND LANDSCAPE MAINTENANCE SHALL CONFORM TO STANDARD INDEX 546 CRITERIA SET FORTH IN F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS.

SOIL PREPARATION, SOIL MIX, FERTILIZER, & MULCH NOTES:

1. ENSURE THAT ALL PLANTING SOIL IS FERTILE, FRIABLE, NATURAL LOAM SURFACE SOIL, REASONABLY FREE OF SUBSOIL, CLAY LUMPS, WEEDS AND OTHER LITTER, AND FREE OF ROOTS,STUMPS AND STONES LARGER THAN ONE INCH IN ANY DIMENSION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. SHOULD ANY SOIL AMENDMENT BE NECESSARY, THE CONTRACTOR SHALL BRING THIS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.
2. APPLY APPROVED HERBICIDE- ACCORDING TO MANUFACTURERS RATE AND SPECS WITHIN LIMITS OF ALL AREAS TO BE PLANTED. PROTECT EXISTING PLANTS TO REMAIN FROM OVERSPRAY OR SPRAY WITHIN ROOT ZONE. CONTRACTOR TO ENSURE TOTAL WEED ERADICATION.
3. SCARIFY SUBSOIL TO A DEPTH OF 3 INCHES.
4. PLANTING MIX FOR TREES, SHRUBS, AND GROUNDCOVERS SHALL CONSIST OF A THOROUGHLY BLENDED MIXTURE OF:
 - A. 50% MUCK
 - B. 50% SAND
5. PLANTING MIX FOR BACKFILL AROUND ROOT BALLS OF PALMS:
 - A. 90% NATIVE SAND FROM ON SITE OR APPROVED SUBSTITUTE
 - B. 10% TOPSOIL
6. ALL PLANT MATERIAL SHALL RECEIVE A MINIMUM NPK FERTILIZER WITH MINOR TRACE ELEMENTS AND THAT 50% OF THE NITROGEN MUST BE DERIVED FROM AN ORGANIC SOURCE.
7. ALL LANDSCAPE ISLANDS AND MEDIANS SHALL BE EXCAVATED TO A DEPTH OF 30" AND BACK FILLED WITH SPECIFIC PLANTING MIX. ALSO LANDSCAPE AREAS OR PLANTERS ALONG THE BUILDINGS REQUIRE EXCAVATOON TO A DEPTH OF 12" AND BACKFILLED WITH SPECIFIC PLANTING SOIL MIX. A MINIMUM OF 6" OF TOPSOIL SHALL BE PLACED IN PLANTING BEDS.
8. SMOOTH ALL PREPARED TOPSOIL TO 3" EXCEPT WITHIN DRIP LINES OF EXISTING TREES AND 4" BELOW TOP OF SURROUNDING PAVING EDGES. REMOVE ALL ROCKS AND OTHER OBJECTS OVER 1" IN DIAMETER.
9. FINISH GRADE ALL PREPARED TOPSOIL AREAS TO A SMOOTH, EVEN SURFACE ASSURING POSITIVE DRAINAGE AWAY FROM THE STRUCTURES AND ELIMINATE ANY LOW AREAS WHICH MAY COLLECT WATER.
10. TOPSOIL SHALL NOT BE EXTREMELY ACIDIC OR ALKALINE, NOR CONTAIN ANY TOXIC SUBSTANCE WHICH MAY BE HARMFUL TO PLANT GROWTH. THE PH SHALL BE IN THE RANGE OF 6.5-7.0.
11. CONTRACTOR SHALL MULCH ALL PLANTING MATERIAL THROUGHOUT AND COMPLETELY TO A 3 INCH DEPTH WITH CLEAN, WEED FREE, ARSENIC FREE ORGANIC MULCH.
12. MINIMUM OF 2" TOPSOIL MUST BE ADDED UNDER ALL SODDED AREAS.
13. LANDSCAPE INSPECTOR SHALL BE CALLED TO APPROVE SOIL MIXTURE PRIOR TO INSTALLATION.

IRRIGATION NOTES:

1. XERISCAPE PRINCIPLES HAVE BEEN APPLIED TO THIS LANDSCAPE PLAN AS SPECIFIED IN SFWMD's XERISCAPE PLANT GUIDE II AND SHALL BE APPLIED ALL THROUGHOUT LANDSCAPE INSTALLATION AND MAINTENANCE.
2. THE CONTRACTOR SHALL MAINTAIN TEMPORARY IRRIGATION OR PROVIDE HAND WATERING FOR ALL RELOCATED TREES AND PALMS FROM NOTICE TO PROCEED UNTIL PERMANENT IRRIGATION SYSTEM IS OPERABLE.
3. THE IRRIGATION SYSTEM SHALL BE CONFIGURED TO ACCOMMODATE EXISTING TREES AND PALMS.
4. ALL LANDSCAPED AREAS MUST BE IRRIGATED IN ACCORDANCE WITH ALL LOCAL/ COUNTY REQUIREMENTS.
5. REMOVE EXISTING IRRIGATION EQUIPMENT WHICH INTERFERES WITH ANY CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTROLLERS, SPRINKLER HEADS, PIPE, QUICK COUPLERS, BACKFLOW PREVENTERS, CONTROL WIRE AND CONDUITS. ADDITIONALLY THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EXISTING SYSTEM THROUGHOUT THE CONSTRUCTION PROCESS.
6. LANDSCAPE CONTRACTOR SHALL COORDINATE ALL PLANTING WORK WITH IRRIGATION WORK. INSPECT IRRIGATION SYSTEM AND INSURE THAT ADEQUATE WATER IS AVAILABLE BEFORE BEGINNING PLANTING OPERATIONS. IRRIGATION SYSTEMS WILL NOT PROVIDE SUFFICIENT QUANTITIES OF WATER FOR NEWLY PLANTED MATERIALS. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DEEP ROOT HAND WATERING.
7. SEE IRRIGATION PLANS FOR ADDITIONAL NOTES AND DETAILS.

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PALM ISLAND
CITY OF MIAMI BEACH, FLORIDA

PREPARED FOR:

CITY OF MIAMI BEACH

LANDSCAPE NOTES

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