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GENERAL LANDSCAPE NOTES:

1. SUMMARY A. The scope of work includes all labor, materials, appliances, tools, equipment, facilities, transportation and services necessary for, and incidental to performing all operations in connection with furnishing, delivery, and installation of plant (also known as "landscaping") complete as shown on the drawings and as specified herein.

2. VERIFICATION

- A. All scaled dimensions on the drawings are approximate. Before proceeding with any work, the Contractor shall carefully check and verify all dimensions and quantities, and shall immediately inform the Owner's Representative of any discrepancies between the information on the drawings and the actual conditions, refraining from doing any work in said areas until given approval to do so by the Owner's Representative.
- B. In the case of a discrepancy in the plant guantities between the plan drawings and the plant call outs, list or plant schedule, the number of plants or square footage of the planting bed actually drawn on the plan drawings shall be deemed correct and prevail.
- 3. PERMITS AND REGULATIONS
- A. The Contractor shall obtain and pay for all permits related to this section of the work unless previously excluded under provision of the contract or general conditions. B. The contractor shall perform all work in accordance with all local, state and federal regulations. If the Contractor observes that a conflict exists between permit requirements and the work outlined in the contract documents, the Contractor shall promptly notify the Owner's Representative in writing including a description of any necessary
- changes and changes to the contract price resulting from changes in the work. 4. PROTECTION OF WORK, PROPERTY AND PERSON
- A. The Contractor shall adequately protect the work, adjacent property, and the public, and shall be responsible for any damages or injury due to his/her actions.
- 5. CHANGES IN THE WORK
- A. The Owner's Representative may order changes in the work, and the contract sum should be adjusted accordingly. All such orders and adjustments plus claims by the Contractor for extra compensation must be made and approved in writing before executing the work involved.
- 6. CORRECTION OF WORK
- A. The Contractor, at their own cost, shall re-execute any work that fails to conform to the requirements of the contract and shall remedy defects due to faulty materials or workmanship upon written notice from the Owner's Representative, at the soonest as possible time that can be coordinated with other work and seasonal weather demands.
- 7. OBSERVATION OF WORK
- A. Contractor shall provide digital photographic documentation during installation for Owner's Representative review, B. The Owner's Representative may observe the work at any time. They may remove samples of materials for
- conformity to specifications. Rejected materials shall be immediately removed from the site and replaced at the Contractor's expense. The cost of testing materials not meeting specifications shall be paid by the Contractor. C. Contractor shall field stake the location of all plant material prior to initiating installation for the review and approval of the Owner and/or Landscape Architect.
- D. The Owner's Representative shall be informed of the progress of the work so the work may be observed at the following key times in the construction process. The Owner's Representative shall be afforded sufficient time to schedule visit to the site. Failure of the Owner's Representative to make field observations shall not relieve the Contractor from meeting all the requirements of this specification.
- 1. SITE CONDITIONS PRIOR TO THE START OF PLANTING: review the soil and drainage conditions. 2. COMPLETION OF THE PLANT LAYOUT STAKING: Review of the plant layout.
- 3. PLANT QUALITY: Review of plant quality at the time of delivery and prior to installation. Review tree quality prior to unloading where possible, but in all cases prior to planting. 4. INSTALLATION OF TREES: Oversee tree installation to specify desired rotation and tilt of each tree.
- 5. COMPLETION OF THE PLANTING: Review the completed planting.
- 8. PRE-CONSTRUCTION CONFERENCE A. Schedule a pre-construction meeting with the Owner's Representative at least seven (7) days before beginning work to review any questions the Contractor may have regarding the work, administrative procedures during construction and project work schedule.
- 9. QUALITY ASSURANCE
- A. Substantial Completion Acceptance Acceptance of the work prior to the start of the warranty period: 1. Once the Contractor completes the installation of all items in this section, the Owner's Representative will observe all work for Substantial Completion Acceptance upon written request of the Contractor. The request shall be received at least ten calendar days before the anticipated date of the observation. 2. Substantial Completion Acceptance by the Owner's Representative shall be for general conformance to specified size, character and quality and not relieve the Contractor of responsibility for full conformance to the contract documents, including correct species.
- 3. Any plants that are deemed defective as defined under the provisions below shall not be accepted. B. The Owner's Representative will provide the Contractor with written acknowledgment of the date of Substantial Completion Acceptance and the beginning of the warranty period.
- C. Installer Qualifications: The installer shall be a firm having at least 5 years of successful experience of a scope similar to that required for the work, including the handling and planting of large specimen trees in urban areas. The same firm shall install planting soil (where applicable) and plant material. 1. The bidders list for work under this section shall be approved by the Owner's Representative
- 2. Installer Field Supervision: When any planting work is in progress, installer shall maintain, on site, a full-time supervisor who can communicate in English with the Owner's Representative. 3. Installer's field supervisor shall have a minimum of five years experience as a field supervisor installing plants and trees of the quality and scale of the proposed project, and can communicate in English with the Owner's Representative
- 4. The installer's crew shall have a minimum of 3 years experienced in the installation of Planting Soil, Plantings, and Irrigation (where applicable) and interpretation of soil plans, planting plans and irrigation plans. 5. Submit references of past projects, employee training certifications that support that the Contractors meets all of the above installer qualifications and applicable licensures.
- 10. PLANT WARRANTY A. Plant Warranty:
 - 1. The Contractor is responsible to ensure proper watering and maintenance of new and relocated materials during the warranty period. 2. The Contractor agrees to replace defective work and defective plants. The Owner's Representative shall make
 - the final determination if plants meet these specifications or that plants are defective. 3. The Contractor shall be responsible for the guarantee of all plant material for a period of twelve (12) months from the date of substantial completion. Substantial completion constitutes the beginning of guarantee period.
- 11. SELECTION AND OBSERVATION OF PLANTS
- A. All planting materials shall meet or exceed Florida Grade # 1 as specified in Grades and Standards for Nursery Plants and Part II, Palms and Trees, current edition. B. The Owner's Representative may review all plants subject to approval of size, health, quality, character, etc.
- Review or approval of any plant during the process of selection, delivery, installation and establishment period shall not prevent that plant from later rejection in the event that the plant quality changes or previously existing defects become apparent that were not observed.
- C. Plant Selection: The Owner's Representative reserves the right to select and observe all plants at the nursery prior to delivery and to reject plants that do not meet specifications as set forth in this specification. If a particular defect or substandard element can be corrected at the nursery, as determined by the Owner's Representative, the agreed upon remedy may be applied by the nursery or the Contractor provided that the correction allows the plant to meet the requirements set forth in this specification. Any work to correct plant defects shall be at the contractor's expense.
- 1. The Owner's Representative may make invasive observation of the plant's root system in the area of the root collar and the top of the root ball in general in order to determine that the plant meets the quality requirements for depth of the root collar and presence of roots above the root collar. Such observations will not harm the plant. 2. Corrections are to be undertaken at the nursery prior to shipping.
- D. The Contractor shall bear all cost related to plant corrections. E. All plants that are rejected shall be immediately removed from the site and acceptable replacement plants provided at no cost to the Owner.
- Where requested by the Owner's Representative, submit photographs of plants or representative samples of plants. Photographs shall be legible and clearly depict the plant specimen. Each submitted image shall contain a height reference, such as a measuring stick. The approval of plants by the Owner's Representative via photograph does not preclude the Owner's Representative's right to reject material while on site.
- 12. PLANT SUBSTITUTIONS FOR PLANTS NOT AVAILABLE
- A. Submit all requests for substitutions of plant species, or size to the Owner's Representative, for approval, prior to purchasing the proposed substitution. Request for substitution shall be accompanied with a list of nurseries contacted in the search for the required plant and a record of other attempts to locate the required material. Requests shall also include sources of plants found that may be of a smaller or larger size, or a different shape or habit than specified, or plants of the same genus and species but different cultivar origin, or which may otherwise not meet the requirements of the specifications, but which may be available for substitution.
- 13. SITE CONDITIONS
- A. It is the responsibility of the Contractor to be aware of all surface and sub-surface conditions, and to notify the Owner's Representative, in writing, of any circumstances that would negatively impact the health of plantings ie., compacted soil / subgrade, poor drainage, unconsolidated soil, erosion, insufficient rooting space. Do not proceed with work until unsatisfactory conditions have been corrected.
- B. Should subsurface drainage or soil conditions be encountered which would be detrimental to growth or survival of plant material, the Contractor shall notify the Owner's Representative in writing, stating the conditions and submit a proposal covering cost of corrections. If the Contractor fails to notify the Owner's Representative of such conditions, he/she shall remain responsible for plant material under the warranty clause of the specifications. C. It is the responsibility of the Contractor to be familiar with the local growing conditions, and if any specified plants
- will be in conflict with these conditions. Report any potential conflicts, in writing, to the Owner's Representative. 14. PLANTING AROUND UTILITIES
- A. Contractor shall carefully examine the civil, record, and survey drawings to become familiar with the existing underground conditions before digging.
- B. Determine location of underground utilities and perform work in a manner that will avoid possible damage. Hand excavate, as required. Maintain grade stakes set by others until parties concerned mutually agree upon removal.

6

28 West Dilido Drive Miami Beach, FL

SUBMITTAL TYPE: CONSTRUCTION DOCUMENTS

PREPARED BY:

1621 Bay RD Miami Beach FL, 33139 (786) 564 - 5337 **ULU STUDIO LLC**



7

SHEET INDEX

- COVER SHEET L0.0
- **DISPOSITION PLAN** L1.0
- L2.0 PLANTING PLAN
- L2.1
- L2.2
- L3.0
- L4.0 LIGHTING PLAN

PLANT PALETTE: TREES PLANT PALETTE: SHRUBS PLANTING DETAILS

7

8



 \mathbf{O} Drive FL N Dilido Beach 3 28 West Miami E

Permit Set PROJECT NUMBER: Project No.
SEAL ANDSCAP OLF UHLE SO 05/11/2019 LA 6667213 CLASE STATE OF FLORIDA RUDOLF OLLEAND ANDSCAP TROMANDA STATE OF
ISSUE DATE: <u>5/4/20</u> REVISIONS: D DATE DESCRIPTION DRAWN/CHECKED: RU
COVER SHEET
L0.0



	STRUCTION		
	own reduction to be performed in two stages and remova r ANSI A300 (Part 1) - 2017 Pruning guidelines and cor vest limb pictured below. All work shall be performed b	nducted by an ISA Certified Arborist. Crown reduction	of
2. In wito	gulations as required by OSHA. tallation of tree protection fencing shall be installed to th ichever is greater. Signs of rigid durable construction (m be clearly visible at 30 foot intervals or closer (in no case	e extent of the tree's dripline and/or the Tree Protection inimum size of 8.5 inches by 11 inches) shall be placed e fewer than four signs) encircling the perimeter of the T	Zone, so as ree
RELOCA 1. Al	 Detection Zone fence, to read as follows: "Keep Out Tree I TON PREPARATION work shall comply with the ANSI A300 part 6 (2012) Place 	anting and Transplanting Standards.	1621 Bay RD Miami Beach FL, 33139 (786) 564 - 5337 www.ulustudio.com ULU STUDIO LLC
2. A wa 3. Be	emporary, above ground irrigation system shall be install ter 2 weeks in advance of any root pruning activity. fore any root pruning begins, an ISA Certified Arborist City.	led within the Tree Protection Zone to provide suppleme	ental
4. Th 5. Ro 6. Ha	e trees should be liquid fertilized with root enhancing pro ot pruning should be performed at least 90 days prior to nd digging shall be performed with sharp, clean tools. Th	relocation. he depth of the trench should be until no additional roots	
th 7. A 8. A	and. Once verified, the roots will be cut with a sharp, clear on thoroughly watered. Derm shall be formed using clean fill around the edge of t 2 to 3 inch layer of quality organic mulch shall be applied	the formed root ball.	
9. So wi	hes of the trunk of the tree. il moisture shall be maintained throughout this procedure hin root ball is adequate with a soil moisture meter.	e, by monitoring irrigation and verifying that soil moisture	e
2. Ve 3. Pl	work shall comply with the ANSI A300 part 6 (2012) Pla rify that planting location is free of any obstruction or utili anting hole shall be double the width of the root ball and	ities and that adequate drainage exists. no deeper than the root ball.	
5. Pi 6. Hi	rveyor to provide grade stakes adjacent to planting hole or to digging, root ball shall be thoroughly watered for tw nd digging only outside of formed root ball, without dama e tree shall be boxed, or balled and burlapped with natur	/o days to meet field capacity. aging any newly formed roots.	
lik 9. Aj	e lifting of the tree shall be supervised by an ISA Certific e. propriate lifting equipment, including slings, will be used e tree trunk shall be protected with padding from cable c	and determined by a qualified experienced crane opera	itor.
us 11. Th 12. Th	ed to lift the tree. e tree shall be lifted from beneath the root ball. e area surrounding the root ball shall be backfilled with c equate tree supports shall be installed.		
14. Te 15. Te 16. Te	mporary berm shall be placed around the edge of the roo mporary automated overhead irrigation system shall be i mporary automated irrigation system shall be installed ov pruning of the tree shall occur except for dead, dying, d	installed in canopy of tree. ver root ball.	
P / 18. No 19. Tr	<i>uning</i> guidelines and shall only be performed by an ISA fertilizers shall be applied. ee protection fencing shall be installed until all on site con inimum size of 8.5 inches by 11 inches) shall be placed s	Certified Arborist. nstruction is complete. Signs of rigid durable construction	
ca Tr	se fewer than four signs) encircling the perimeter of the Tee Protection Area" trenching for landscape lighting, irrigation or other utilitie	Tree Protection Zone fence, to read as follows: "Keep O	
a minimui	shall include weekly site visits for the first 30 days, then of 12 months:	monthly thereafter or as needed to review and docume	Peeth Miami Beach,
2. TH 3. TH	e tree's health condition. e temporary irrigation system is functioning adequately. e tree protection fencing is in place and that no encroach alogue with the site superintendent and operators at the		iami Kest
	PROPERTY ME	OVERHEAD UTILITY LINE	
	PROPERTY ME	OVERHEAD UTILITY LINE	Permit Set PROJECT NUMBER: Project No.
	PROPERT WE 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+	
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	01 13-0-1 13-0-1		PROJECT NUMBER: Project No.
			PROJECT NUMBER: Project No.
		EDGE OF PAVEMENT	PROJECT NUMBER: Project No. SEAL RUDOLF UHLEMANN LA 6667213
			PROJECT NUMBER: Project No. SEAL RUDOLF UHLEMANN LA 6667213 ISSUE DATE:5/4/20 REVISIONS:ID DATE DESCRIPTION
		EDGE OF PAVEMENT	PROJECT NUMBER: Project No. SEAL RUDOLF UHLEMANN LA 6667213 ISSUE DATE:5/4/20 REVISIONS:ID DATE DESCRIPTION
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		EDGE OF PAVEMENT	PROJECT NUMBER: Project No. SEAL RUDOLF UHLEMANN LA 6667213 ISSUE DATE: 5/4/20 REVISIONS: ID DATE DATE DESCRIPTION 01 20/05/04 CMB Comments
		EDGE OF PAVEMENT	PROJECT NUMBER: Project No. SEAL RUDOLF UHLEMANN LA 6667213 ISSUE DATE:



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		Shrub Schedule					Tree Schedule			-
LOT AREA 0.30 Acres 14,224 s.f.	Symbol ID Qty Botanical Name	Common Name	Size Height Spr. Spac. Native	Remarks Symbo	.	ty Botanical Name	Common Name	Cal Height Sprd.		-
REQUIRED PROVIDED	Bg 3 Bambusa gracilis	Graceful Bamboo	15g 12' 3'	Ž	BS 2		Gumbo Limbo	6" 18' 14' 18-25' _{20'}	Y Collected specimen Curved trunk;	
ot Area = 7,112 9,721 50 % x 9,721 s.f. 4,861 1,593	کر سے Cu 21 Coccoloba Uvifera	Sea Grape	15g 8' 4' 48" Y			Cocos nucifera	Coconut Palm	GW 20'	3@12'GW' 2@18GW'; 2@25'GW	i i
	• FP 12 Ficus pumila	Creeping fig	3g 36" 18"		CR 2	2 Clusia rosea	Autograph Tree	4" 18' 15'	Y Collected Specimen	
er of trees (12' high / 2" cal min) existing= 14 18	GL 21 Gymanthes lucida	Crabwood	7g 4' 2' Y	Full		3 Gymanthes lucida	Crabwood	1.5" 10' 4'	Y 2'CT; FULL	162
rees x 30% =418	Hs tricta Hs tricta Hs tricta Hs tricta Hs tricta Heliconia stricta	Heliconia	7g 4'-6' 4'		MF 3	8 Myrcianthes fragrans	Simpson's Stopper	1.5" 12' 12'	Y Single Trunk; 6'CT	
mber of required trees x 50% =718	Md 54 Monstera deliciosa	Swiss Cheese Vine	3g 36" 24" 30"	E.	MF 7	Myrcianthes fragrans	Simpson's Stopper	2" 12' 12'	Y multitrunk	
20 = <u>NA</u> <u>NA</u>	ر PI 51 Psychotria ligustrifolia	Bahama Wild Coffee	7g 24" 24" 30" Y	×	K RG 3	B Roystonea regia	Royal Palm	20'G 25' W	Y	
along street / 20 = <u>3</u> <u>3</u>	Ps 13 Pennisetum setaceum	White Fountain grass	3 g 24" 24"	-M -~~		Ravanela	Traveller Palm	24" 24"	Y	
rees) <u>4</u> <u>4</u> <u>2</u> <u>2</u>		White Bird of Paradise	25g 6' 48"	*		 madagascariensis Veitchia montgomeryan 		16'-18 _{20'}		
of required trees + No. of street trees) x 12 = 204 240	with		-					1 20		
shrubs x 50% = <u>102</u> <u>119</u>	Td 26 Tripsacum dactyloides		3 g 24" 24" Y				Existing Tree Schedule			-
once mature, 50% min native) 20 21	Z 64 Zamia Pumila	Coontie	1g 18" 18" 24" 🖌 01 🔪	Δ	ID 01	Botanical Name Roystonea regia	Common Name Royal Palm	Cal Height Sprd 14 45 20		_
	Symbol ID Area Botanical N				02 03	Ptychosperma elegans Livestona chinensis	-	5 30 15 12 20 20	3 Trunks	
	TURF 1,334 Zoysia	Zoysia	Ν		04	Livestona chinensis	Chinese Fan Palm	10 25 15		
					06 07	Roystonea regia Roystonea regia	Royal Palm Royal Palm	245020185020	Fair condition	
					08 09	Strelitzia nicolai Ravanela	Wild Banana Traveller Palm		9 Trunks 2 trunks	
					10 11	madagascariensis Strelitzia nicolai Strelitzia nicolai	Wild Banana Wild Banana	6 15 20 6 15 5	5 trunks 8 trunks	
					13	Ficus benjamina	Weeping Fig	16 35 25	Good condition, 12'TPZ	
					14 15	Bismarckia nobilis Adonidia merrillii	Bismarck Palm Christmas Palm	24 40 25 24 25 6	2 trunks	
					16 17	Adonidia merrillii Adonidia merrillii	Christmas Palm Christmas Palm	7 25 8 7 25 8	2 trunks	
					24 25	Roystonea regia Adonidia merrillii	Royal Palm Christmas Palm	24 50 20 12 30 7	3 Trunks	
Md and A					26	Dracaena marginata	Dragon Tree	24 4 2		
						TING PALMS AND TREE			PROPOSED GRADE	
					APPROXIM	ATELY 2'-3' HIGHER. RE	FER TO ARC FOR GRA	ADING.		
	SIDE YARD	Zm								
			$ \land $							
PANTRY 2 HS <		BS JULY	Var Zam							
KITCHEN BREAKFAST		· Evenue man evenue								
			BS AND SECOND BS		PROPERT	r. At				
							× 1+	— OVERHEAD UTILITY LINE		
						12-0-		- EDGE OF PAVEMENT		P
							15-0"	1		SEAL
MAIN RES. FL 1 14.00 N.G.V.D. FOYER 15'-0" X 10'-0" ENTRYWAY		DRIVEWAY 9.00 N.G.V.D.							1	
ENTRYWAY 13.50 N.G.V.D.						15'0"				
							RIVE			
				GL	15'-0"					RUDOLF LA 66672
ELEVATOR 6'-0"X\$'-0"		4 CAR GARAGE 22'-5" X 19'-8"				15:0"	LIDO			ISSUE
Q ROOM Q'-10" X 21'-2 Q Bg Bg Bg Bg Bg Bg		22'-5" X 19-8"	PARKING PARKI					CROWN OF ROAD 6.16 N.G.V.D.		REVIS
Md 2 W W W W W W W W W W W W W W W W W W	FLEX ROOM 15'-6" X 13'-4"					15-6				ID 01
		9.00 N.G.V.D.		AND GL	MF					
			K LINE 10:0" 03							
MF MF 24										
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5

PLANTING PLAN

7

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

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ULU STUDIO LLC

 $\mathbf{0}$ Drive , FL N 28 West Dilido Miami Beach, VIEW

Permit Set PROJECT NUMBER: Project No. EAL JDOLF UHLEMANN 6667213 **SSUE DATE:** <u>5/4/20</u> EVISIONS: ID DATE DESCRIPTION 01 20/05/04 CMB Comments RAWN/CHECKED: RU PLANTING PLAN L2.0

8



Coccoloba Uvifera, Sea Grape

1



4

Bursera simaruba, Gumbo Limbo



Roystonea regea, Royal Palm

1



Veitchia montgomeryana, Montgomery Palm

6

Myrcianthes fragrans, Simpson's Stopper



6

Cocos nucifera, Coconut Palm



Genipa lucida, Crabwood

Ravanela madagascariensis, Traveller's Palm



28 VIEW

Drive , FL 28 West Dilido I Miami Beach,

Permit Set PROJECT NUMBER: Project No.
SEAL
RUDOLF UHLEMANN A 6667213
SSUE DATE: <u>5/4/20</u>
REVISIONS: ID DATE DESCRIPTION
DRAWN/CHECKED: RU
PLANT PALETTE: TREES
L2.1



2

1

Clusia guttifera 'nana', Dwarf Clusia



3

Coccoloba uvifera, Seagrape



Monstera deliciosa, Swiss Cheese Plant



Psychotria ligustrifolia, Bahama Wild Coffee



1



4

2



5

Dioon mejia, Mexican cycad

4



7

Ficus pumila, Creeping fig

6



Pennisetum setaceum, Fountain Grass



Strelitzia nicolai, White Bird of Paradise

5

7

Heliconia stricta 'Firebird', Heliconia



Tripsacum dactyloides, Dwarf Fackahatchee



28

8

28 West Dilido Drive Miami Beach, FL VIEW Permit Set PROJECT NUMBER: Project No. SEAL RUDOLF UHLEMANN LA 6667213 ISSUE DATE: 5/4/20 REVISIONS: ID DATE DESCRIPTION DRAWN/CHECKED: RU PLANT PALETTE: SHRUBS L2.2







2X BALL DIA

VINE PLANTING

NOT TO SCALE

SMALL TREE STAKING

NOT TO SCALE

3

2

С

6

TRIANGULAR PLAN	T SPACING CHART
PLANT SPACING "X"	ROW OFFSET "A"
12" O.C.	10" O.C.
18" O.C.	15" O.C.
24" O.C.	21" O.C.
36" O.C.	31" O.C.

LOCATE BLACK GUY-WIRE

ABOVE FIRST BRANCH

- ADJUSTABLE SLIP KNOT

SAFETY BLACK GUYING

LINE-FASTING TO STAKE

3 STAKES @ 2" X 4" X 24" TOP

FACE OF WALL OR BUILDING

LEAN NURSERY STAKE AGAINST

MAINTENANCE PERIOD AFTER

VINE HAS ATTACHED TO THE

LOOSEN AND SCORE BOUND

- REMOVE POT AND RECYCLE

3" PINE NEEDLE MULCH (NO

3" CONTINUOUS SOIL SAUCER

EXISTING SOIL OR APPROVED

SPECIFIED PLANTING MIXTURE

MOUND AND COMPACT SOIL NO

LESS THAN 6", ADJUST HEIGHT

TO PLACE TOP OF ROOTBALL

EVEN WITH GRADE

CYPRESS, NO RED)

THE WALL. STAKE TO BE

WALL

ROOTS

BACKFILL

REMOVED AT THE END OF

OF STAKE 6" ABOVE GRADE.

SPACING PER PLANS AND PLANT SCHEDULE

BEST FACE OF SHRUB/GROUNDCOVER TO FACE FRONT OF PLANTING BED.

MAXIMUM MATURE MAINTAINED SPREAD OF PLANTS.

BEDLINE OR EDGE OF PAVING.

SHRUB & GROUND COVER SPACING

9

PLANTING + SOIL + MULCH SPECIFICATIONS

PLANTING SPECIFICATIONS

1. The Contractor is responsible for maintaining all planting areas (including watering, spraying, mulching, mowing, fertilizing, etc.) until the job is accepted, in full, by the Owner and/or Landscape Architect.

2. All planting materials shall meet or exceed Florida Grade # 1 as specified in Grades and Standards for Nursery Plants and Part II, Palms and Trees, current edition.

3. All sizes specified for plant material on the plan and plant list shall be considered minimum.

4. All plant material must meet or exceed the specified minimum requirements for both height and spread.

5. All root balls shall conform to the size standards set forth in "American Standards for Nursery Stock". 6. All plant material shall be protected during transport and delivery to final location with shade cloth or other acceptable means of windburn prevention.

7. Contractor to flag all proposed tree and palm locations for owner and landscape architect's approval prior to excavation or installation. Plan locations are subject to field adjustments by the landscape architect.

8. Landscape architect to approve all shrub and groundcover planting location and layout prior to installation

9. All trees must be guyed or staked as shown in the details.

10. All planting installation shall comply with the ANSI A300 (Part 6) – 2018: Planting and Transplanting Standards. All elements of landscaping shall be installed so as to meet all applicable ordinances and code requirements.

11. There shall be no chains or cables used on trees or palms. Handle with two inch (2") minimum width nylon straps or equal.

12. Contractor shall assure drainage and percolation of all planting pits prior to installation of plant material. Contractor shall fill all tree pits with water before planting to assure that proper drainage and percolation is available. Correct if required to assure percolation. Contractor is responsible for replacement of all plants lost due to inadequate drainage conditions.

13. Contractor to replace rejected plant material within one (1) week of written notice.

14. Contractor shall mulch all plant material except beach planting, to a three inch (3") depth of loose, weed free, organic mulch as specified.

15. Plant Material which is not installed at the direction of the landscape architect or owner will become the property of the contractor unless it becomes relocated on site. The Contractor shall provide the owner a credit for any plant material not installed on the site.

IRRIGATION

1.All planting areas within the limits of work shall receive 100% coverage by automatic irrigation system (drip preferred) unless otherwise directed by owner. See irrigation plans for additional specifications.

2. Landscape contractor to coordinate installation of irrigation system with irrigation contractor. Irrigation time clock to be hard wired on completion - responsibility of irrigation contractor. Landscape contractor shall hand water or arrange for watering during planting until irrigation system is 100% operable. This is the responsibility of the landscape contractor.

SOIL PREPARATION AND SOIL MIX

1. All planting areas shall be excavated to a minimum of 3' for groundcover and more than 3' for shrubs, trees and palms, and should receive soil mix specified. Acceptable soil composition shall be 70% sand, 30% organic content with an overall pH range between 6.5 and 7.5.

2. Apply Roundup (manufactured by Monsanto Corp. or equal.) according to manufacturer's rate and specification 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 from all areas to be planted.

3. Before replacing topsoil, rake subsoil surface clear of stones (1" diameter and larger), debris, rubbish, and remaining roots from removed plant material.

4. Scarify subsoil to a depth of six inches (6").

5. Contractor to apply "Surflan" or equal, or approved pre-emergent herbicide in accordance with manufacturer's rate and specifications.

6. Planting Soil Mixtures:

All plant material on grade with the exception of palms and beach material, shall be planted with the following soil mix: Planting Soil Mixture A:

a.) Weed free soil and consist of

70% clean silica sand, 30% everglades muck, and

- b.) There must be a slight acidic reaction to the soil with no excess calcium or carbonate. c.) Soil shall be delivered in a loose friable condition.

All palms + beach material on grade shall be planted with the following:

Planting Soil Mixture B:

a.) 80% clean silica sand b.) 20% everglades muck

All elevated planting areas on structure shall be planted with the following unless otherwise approved by L.A Planting Soil Mixture C:

Mix specifically designed to meet project requirements based on climatic region and plant requirements. a.) Coarse Stalite, 3/8" Expanded Slate 50%

b.) Fine Stalite Expanded Slate 10%

- c.) USGA Root Zone Sand 25%
- d.) Approved Compost 15%

7. Topsoil shall be natural, fertile, agricultural soil capable of sustaining vigorous plant growth. It shall be of uniform composition throughout, with admixture of subsoil. It shall be free of stones, lumps, live plants and their roots, sticks, and other extraneous matter. Spread topsoil mixture to minimum depth of three inches (3") throughout all lawn areas.

Remove all rocks and other objects over one inch (1") in diameter.

of trees and palms after twelve (12) months of substantial completion.

9. Smooth all soil mixture to five inches (5") below top of surrounding pavement edges. This allows room for 3" of mulch and 2" clear space below top of pavement.

10. Smooth topsoil mixture to two inches (2") below finish grade in areas to be sodded.

11. Topsoil shall not be extremely acid or alkaline, nor contain toxic substances which may be harmful to plant growth. The topsoil pH shall be in the range of pH 6.5 to 7.5. If necessary, the Contractor shall apply the appropriate soil amendments adjusting soil pH to assure a pH range of 6.5 to 7.5.

12. Finish grade all topsoil areas to a smooth, even surface, assuring positive drainage away from the structures and eliminate any low areas which may collect water.

13. Contractor shall assure percolation and drainage of all planting pits prior to planting. Contractor will be responsible for all plants lost due to the lack of percolation.

14. All trees, palms, shrubs and ground cover plants shall be fertilized at installation, with long lasting

fertilizer, according to manufacturers' recommendations and based on soil tests of existing on-site soils. 15. Contractor to remove debris and excess material daily from job site. Contractor shall remove all staking

MULCH SPECIFICATIONS

1. All planting areas shall be mulched with a loose, weed free, sterilized Pine needle mulch to a minimum of 3"; with the exception of beach planting. Mulch to be approved by landscape architect prior to purchase and/ or installation. Do not use cypress or red mulch.

3. All trees on sod area shall receive a pine needle mulch mix ring 2' in diameter typical



ULU STUDIO LLC

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LIGHTING SPECIFICATIONS

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1. Lighting plans are schematic in nature. Fixture symbols are not to scale. Verify exact location and orientation of each fixture in the field with Landscape Architect (L.A.). Verify all quantities, dimensions, and conditions in the field. Confirm fixture finishes & specs with Landscape Architect before purchase.

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2. Landscape lighting is intended for aesthetic illumination of plant material and shall not be used as security lighting. All transformers for the landscape lighting fixtures are to be connected independently to a main timer or lighting contactor with a photocell. Landscape lighting shall go on at sunset by a photocell, and timed to turn-off automatically after 4-6 hours of use at 12 midnight or 1 :00 a.m. (a manual override shall be implemented to allow for more time only for special events, or turned-off completely when desired).

3. The owner's electrical engineer will be responsible for the design, specification and documentation of all line voltage, switching, wiring, as well as GFI and junction boxes for electrical connections, and to ensure compliance with all local codes. Final engineering drawings for the landscape lighting are to be reviewed and approved by the Landscape Architect.

4. All work shall comply with these drawings, the latest version of the Florida Building Code, and all Applicable Codes and Regulations. Code Compliance is the complete responsibility of the Contractor and any modifications required shall be performed at no additional charge.

5. The Contractor shall arrange for all building permits and inspections by the building authorities. Cost of all permits, fees, and special inspections shall be in the Bid wherever necessary.

6. The Contractor shall verify all utilities and placement locations of pipe, conduit, equipment, ductwork, etc., prior to submitting Bid to the Owner.

7. Conduit installation shall only commence after the installation of all large trees and palms.

8. General contractor is responsible to coordinate the electrical installation with the proposed garden, all electrical conduits that fall within planters or landscape areas shall be installed at the perimeters of these areas to allow for the specified plantings.

9. All proposed inground transformers are to be hot-wired to a junction box.

20. All GFI and junction boxes, conduits/wiring and electrical supply shall be by the general contractor. All junction boxes that fall within sodded or landscape areas are to be below grade buried type. Above ground or visible junction boxes shall not be allowed unless mounted on a wall.

11. All low voltage cable shall be 10 gauge.

12. Install all landscape lighting fixtures following manufacturer's recommendations. No more than 3-4 fixtures per line.

13. All fixtures installed shall be as specified. No fixture substitution shall be made without the prior

14. All fixtures to be UL-listed and wet-rated.

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consent of the Landscape Architect.

15. Prior to final acceptance, Contractor shall adjust all lighting to Owner's satisfaction.

16. The Contractor shall provide a minimum of one full year warranty for any and all labor and materials they provide, install, or apply.

17. As-Built drawings shall be furnished to the Owner upon completion of work.

		Lighting Schedule	
Symbol	Light Fixture	Specification	Quantity
۲	Path Llght	Garden Light LED: P10 BR	5
	Spot Light	Garden Light LED: V2 20 6	31

REST DILING	CROWN OF ROAD 6.16 N.G.V.D.	RUA IS RI I I I I I I I I I I I I I I I I I
2 LIGHTING PLAN SCALE: 1/8" = 1'-0"	4' 8' 16'	



ULU STUDIO LLC

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LIGHTING PLAN

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