1685 COLLINS HOTEL GARDEN

1685 COLLINS AVE., MIAMI BEACH, FL 33139

Historic Preservation Board Submittal - December 03, 2021

Prepared for:

Eldridge 17th Street Holdings, LLC 350 Park Ave 14th Floor New York, NY 10022

Prepared by:

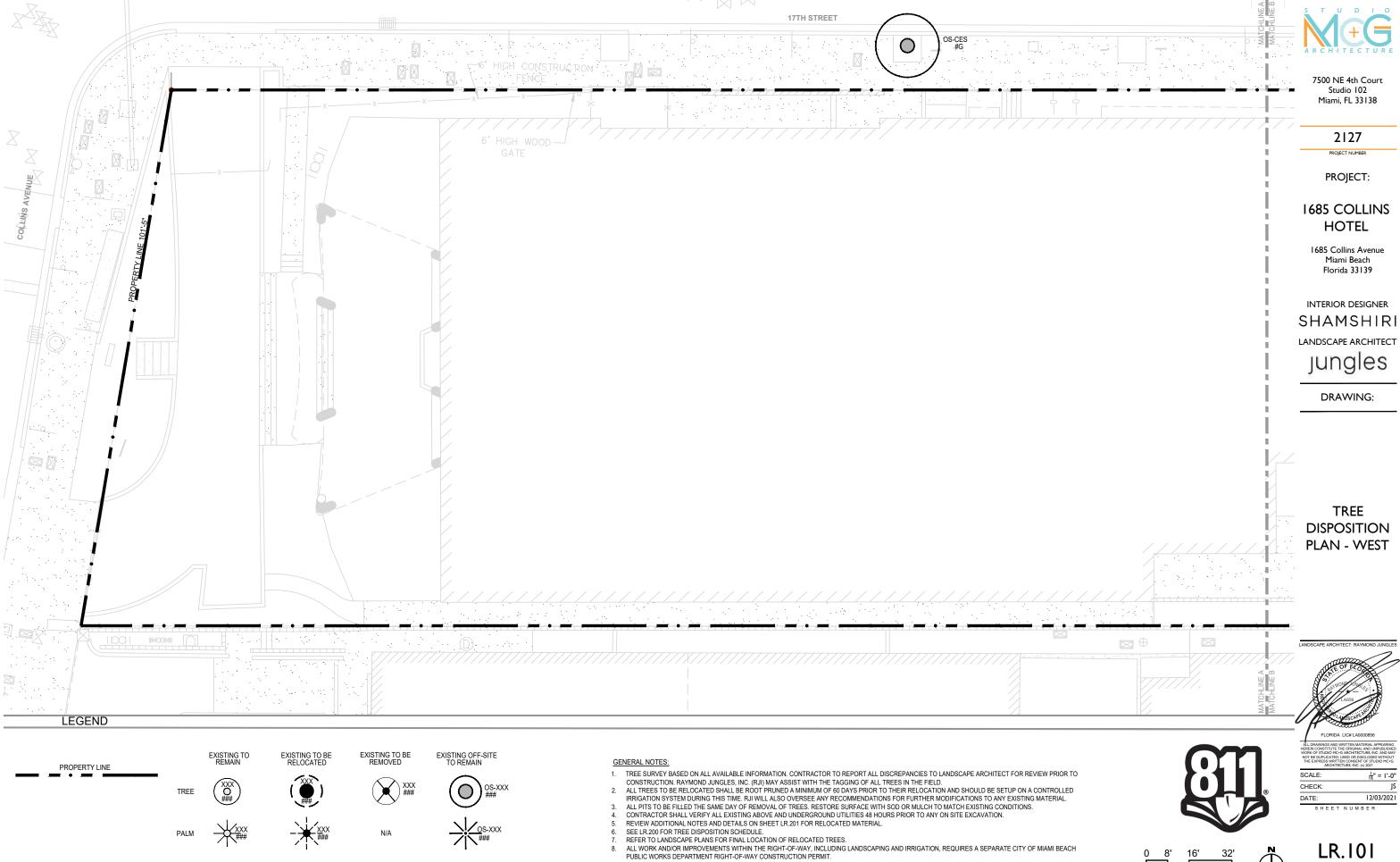


Raymond Jungles, Inc. Landscape Architect

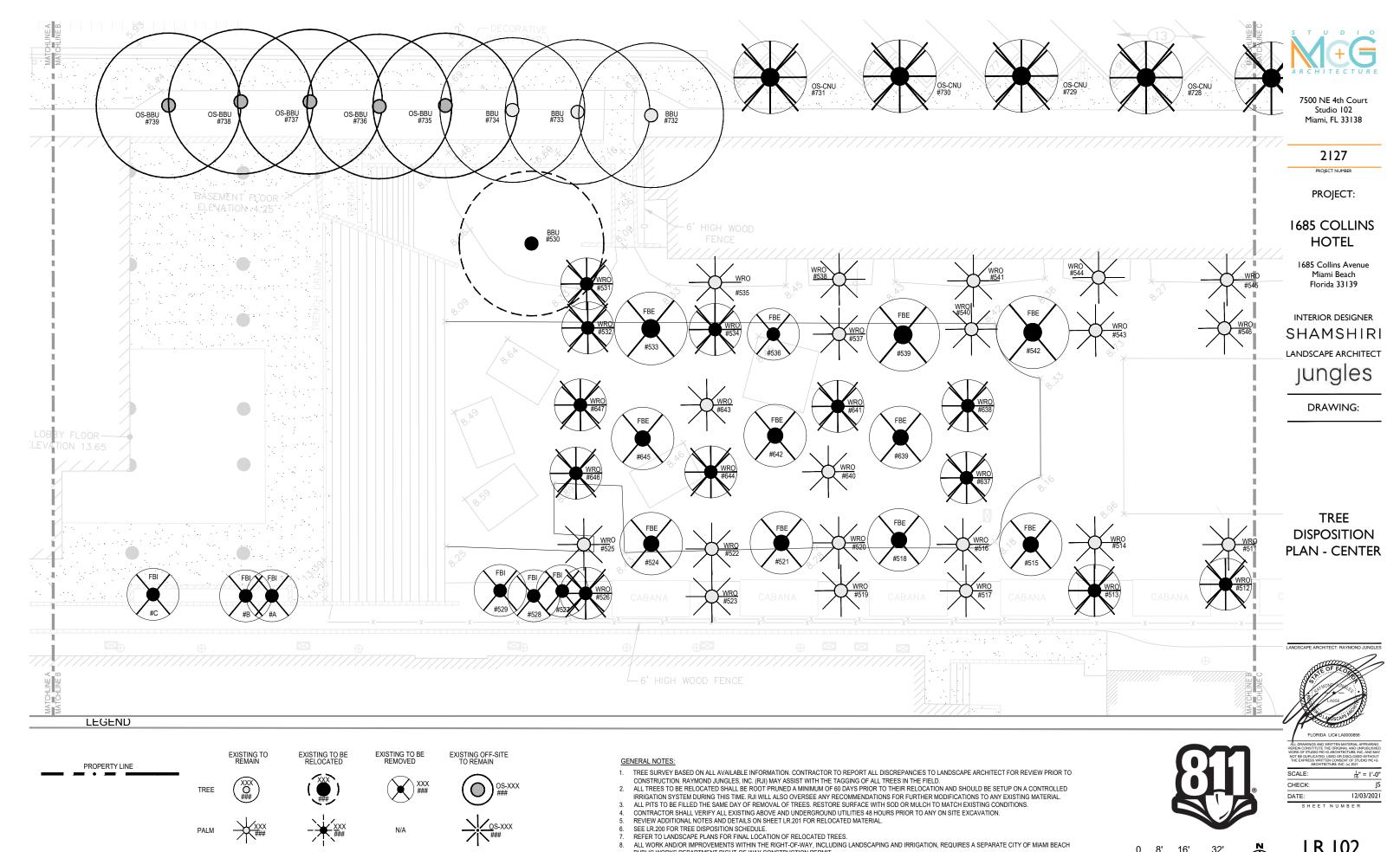
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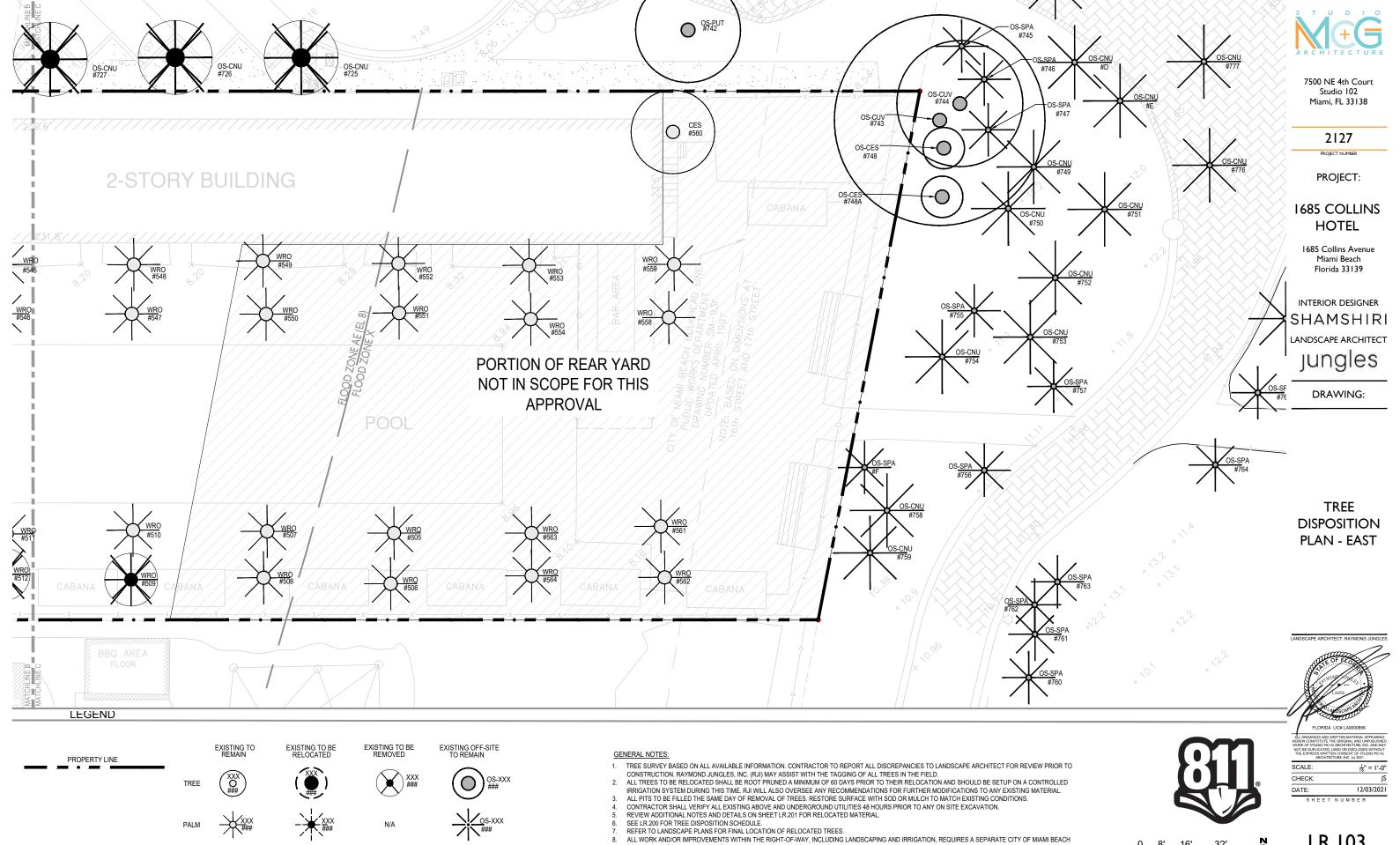
SCALE:1/16" =1'-0"



PUBLIC WORKS DEPARTMENT RIGHT-OF-WAY CONSTRUCTION PERMIT.

SCALE:1/16" =1'-0"

LR.102



PUBLIC WORKS DEPARTMENT RIGHT-OF-WAY CONSTRUCTION PERMIT.

LR.103

SCALE:1/16" =1'-0"

1685 COLLINS HOTEL MIAMI BEACH

1685 Collins Ave, Miami Beach, FL 33139

TREE DISPOSITION SCHEDULE
Per Tree Boundary Survey, Dated 08/17/2021

Existing Trees and Palms				O.A.	Canopy					Mitigation	
Iden.	Symbol	Scientific Name	Common Name	D.B.H. (inch)	Height (feet)	Diameter (feet)	Condition	TPZ (feet)	Notes	Disposition	Credits Required
#505	WRO	Washingtonia robusta	Mexican Fan Palm	13	45	8	Moderate	5		Remain	
#506 #507	WRO	Washingtonia robusta Washingtonia robusta	Mexican Fan Palm Mexican Fan Palm	10	50 32	8	Moderate Moderate	5		Remain Remain	
#508	WRO	Washingtonia robusta	Mexican Fan Palm	13 15	38	8	Moderate	5		Remain	
#509	WRO	Washingtonia robusta	Mexican Fan Palm	14	50	8	Moderate	5		Remove	(1) TREE
#510	WRO	Washingtonia robusta	Mexican Fan Palm	11	45	8	Moderate	5		Remain	(-/
#511	WRO	Washingtonia robusta	Mexican Fan Palm	11	50	8	Moderate	5		Remain	
#512	WRO	Washingtonia robusta	Mexican Fan Palm	10	50	8	Moderate	5		Remove	(1) TREE
#513	WRO	Washingtonia robusta	Mexican Fan Palm	10	45	6	Moderate	5	Doods Catherine	Remove	(1) TREE
#514 #515	WRO FBE	Washingtonia robusta Ficus benjamina	Mexican Fan Palm Weeping Fig	N/A 18	N/A 22	N/A 20	Dead Poor	0 12	Dead; Cut to grade Hazardous Tree; No mitigation required	Remove Remove	N/A N/A
#516	WRO	Washingtonia robusta	Mexican Fan Palm	10	50	8	Moderate	5	riazardous free, No fintigation required	Remain	IN/A
#517	WRO	Washingtonia robusta	Mexican Fan Palm	11	50	8	Poor	5		Remain	
#518	FBE	Ficus benjamina	Weeping Fig	31	22	20	Poor		Hazardous Tree; No mitigation required	Remove	N/A
#519	WRO	Washingtonia robusta	Mexican Fan Palm	10	50	8	Moderate	5		Remain	
#520	WRO	Washingtonia robusta	Mexican Fan Palm	10	50	8	Moderate	5		Remain	
#521	FBE	Ficus benjamina	Weeping Fig	34	22	22	Poor	12	Hazardous Tree; No mitigation required	Remove	N/A
#522 #523	WRO	Washingtonia robusta Washingtonia robusta	Mexican Fan Palm Mexican Fan Palm	12 11	50 50	8	Moderate Moderate	5		Remain Remain	
#524	FBE	Ficus benjamina	Weeping Fig	46	22	22	Poor	12	Hazardous Tree; No mitigation required	Remove	N/A
#525	WRO	Washingtonia robusta	Mexican Fan Palm	10	48	8	Moderate	5		Remain	
#526	WRO	Washingtonia robusta	Mexican Fan Palm	12	50	8	Moderate	5		Remove	(1) TREE
#527	FBI	Ficus binnendijkii	Long Leaved Fig	11	18	14	Poor	10		Remove	11
#528	FBI	Ficus binnendijkii	Long Leaved Fig	11	18	11	Poor	10		Remove	11
#529 #530	FBI BBU	Ficus binnendijkii Bucida buceras	Long Leaved Fig Black Olive	14 12	18 30	11 40	Poor Good	10 12		Remove Relocated	14
#531	WRO	Washingtonia robusta	Mexican Fan Palm	9	45	7	Moderate	5		Remove	(1) TREE
#532	WRO	Washingtonia robusta	Mexican Fan Palm	10	48	7	Moderate	5		Remove	(1) TREE
#533	FBE	Ficus benjamina	Weeping Fig	21	18	22	Poor	12	Hazardous Tree; No mitigation required	Remove	N/A
#534	WRO	Washingtonia robusta	Mexican Fan Palm	10	45	7	Moderate	5		Remove	(1) TREE
#535	WRO	Washingtonia robusta	Mexican Fan Palm	11	45	7	Moderate	5		Remain	
#536 #537	FBE WRO	Ficus benjamina Washingtonia robusta	Weeping Fig Mexican Fan Palm	19 10	20 50	20 7	Poor Moderate	12 5	Hazardous Tree; No mitigation required	Remove Remain	N/A
#538	WRO	Washingtonia robusta	Mexican Fan Palm	11	45	7	Moderate	5		Remain	
#539	FBE	Ficus benjamina	Weeping Fig	37	22	18	Poor	12	Hazardous Tree; No mitigation required	Remove	N/A
#540	WRO	Washingtonia robusta	Mexican Fan Palm	11	50	7	Moderate	5		Remain	
#541	WRO	Washingtonia robusta	Mexican Fan Palm	13	45	7	Moderate	5		Remain	
#542	FBE	Ficus benjamina	Weeping Fig	20	22	20	Poor	12	Hazardous Tree; No mitigation required	Remove	N/A
#543	WRO	Washingtonia filifera Washingtonia filifera	Washingtonia Palm	10	50 45	7	Moderate	5		Remain	
#544 #545	WRO	Washingtonia filifera	Washingtonia Palm Washingtonia Palm	10	45	7	Moderate Moderate	5		Remain Remain	
#546	WRO	Washingtonia filifera	Washingtonia Palm	10	48	7	Moderate	5		Remain	
#547	WRO	Washingtonia filifera	Washingtonia Palm	10	48	7	Moderate	5		Remain	
#548	WRO	Washingtonia filifera	Washingtonia Palm	10	45	7	Moderate	5		Remain	
#549	WRO	Washingtonia filifera	Washingtonia Palm	16	45	7	Moderate	5		Remain	
#550	WRO	Washingtonia filifera	Washingtonia Palm	11	50	7	Moderate	5		Remain	
#551 #552	WRO WRO	Washingtonia filifera Washingtonia filifera	Washingtonia Palm Washingtonia Palm	13 11	45 45	7	Moderate Moderate	5		Remain Remain	
#553	WRO	Washingtonia filifera	Washingtonia Palm	11	45	7	Moderate	5		Remain	
#554	WRO	Washingtonia filifera	Washingtonia Palm	11	48	7	Moderate	5		Remain	
#558	WRO	Washingtonia filifera	Washingtonia Palm	12	45	7	Moderate	5		Remain	
#559	WRO	Washingtonia filifera	Washingtonia Palm	13	45	7	Moderate	5		Remain	
#560	CES	Conocarpus erectus 'Sericeus'	Silver Buttonwood	16	22	28	Moderate	10		Remain	
#561	WRO	Washingtonia filifera Washingtonia filifera	Washingtonia Palm Washingtonia Palm	11	45	7 8	Moderate Moderate	5		Remain	
#562 #563	WRO	Washingtonia filifera		11	50 45	8	Moderate	5		Remain	
#564	WRO	Washingtonia filifera	Washingtonia Palm Washingtonia Palm	10	50	8	Moderate	5		Remain	
#637	WRO	Washingtonia filifera	Washingtonia Palm	16	50	8	Moderate	5		Remove	(1) TREE
#638	WRO	Washingtonia filifera	Washingtonia Palm	10	40	8	Moderate	5		Remove	(1) TREE
#639	FBE	Ficus benjamina	Weeping Fig	28	20	15	Poor	12	Hazardous Tree; No mitigation required	Remove	N/A
#640	WRO	Washingtonia filifera	Washingtonia Palm	14	40	8	Moderate	5		Remain	74 N mm m -
#641	WRO	Washingtonia filifera	Washingtonia Palm	10	50	8	Moderate	5	Hannahara Tana No - Mandana and - 1	Remove	(1) TREE
#642	FBE WRO	Ficus benjamina Washingtonia filifera	Weeping Fig Washingtonia Palm	16 13	22 48	15 8	Poor	12 5	Hazardous Tree; No mitigation required	Remove	N/A
#643 #644	WRO	Washingtonia filifera	Washingtonia Palm	9	50	8	Moderate Moderate	5		Remain Remove	(1) TREE
#645	FBE	Ficus benjamina	Weeping Fig	22	22	20	Poor	12	Hazardous Tree; No mitigation required	Remove	N/A
#646	WRO	Washingtonia filifera	Washingtonia Palm	13	40	13	Moderate	5		Remove	(1) TREE
#647	WRO	Washingtonia filifera	Washingtonia Palm	9	40	8	Moderate	5		Remove	(1) TREE
#725	OS-CNU	Cocos nucifera	Coconut Palm	13	22	22	Moderate	5		Remove	(1) TREE

5.8	rees and P			D.B.H.	O.A. Height	Canopy		TDT (5			Mitigatio Credits
lden.	Symbol	Scientific Name	Common Name	(inch)	(feet)	(feet)	Condition	TPZ (feet)	Notes	Disposition	Require
#726 #727	OS-CNU OS-CNU	Cocos nucifera Cocos nucifera	Coconut Palm Coconut Palm	7	22 23	20	Moderate Moderate	5		Remove Remove	(1) TREE (1) TREE
#728	OS-CNU	Cocos nucifera	Coconut Palm	10	23	28	Moderate	5		Remove	(1) TREE
#729	OS-CNU	Cocos nucifera	Coconut Palm	7	23	24	Moderate	5		Remove	(1) TREE
#730	OS-CNU	Cocos nucifera	Coconut Palm	8	23	22	Moderate	5		Remove	(1) TREE
#731	OS-CNU	Cocos nucifera	Coconut Palm	9	23	24	Moderate	5		Remove	(1) TREE
#732	BBU	Bucida buceras	Black Olive	17	35	42	Good	15		Remain	
#733	BBU	Bucida buceras	Black Olive	11	45	25	Moderate	10		Remain	
#734	BBU	Bucida buceras	Black Olive	15	45	25	Good	12		Remain	
#735	OS-BBU	Bucida buceras	Black Olive	22	40	30	Good	15		Remain	
#736	OS-BBU	Bucida buceras	Black Olive	18	40	30	Good	15		Remain	
#737	OS-BBU	Bucida buceras	Black Olive	22	45	25	Good	15		Remain	
#738	OS-BBU	Bucida buceras	Black Olive	21	45	35	Good	15		Remain	
#739	OS-BBU	Bucida buceras	Black Olive	12	40	30	Good	15		Remain	
#740	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NOT ON-SITE	Remain	
#742	OS-PUT	Pandanus utilis	Screw Pine	20	18	24	Good	15		Remain	
#743	OS-CUV	Coccoloba uvifera	Sea Grape	48	30	45	Good	18		Remain	
#744	OS-CUV	Coccoloba uvifera	Sea Grape	9	30	30	Moderate	10		Remain	
#745	OS-SPA	Sabal palmetto	Sabal Palm	10	14	16	Good	4		Remain	-
#746	OS-SPA	Sabal palmetto	Sabal Palm	11	13	16	Good	4		Remain	-
#747	OS-SPA	Sabal palmetto	Sabal Palm	10	15	16	Good	4		Remain	
#748 #748A	OS-CES	Conocarpus erectus 'Sericeus' Conocarpus erectus 'Sericeus'	Silver Buttonwood Silver Buttonwood	3	12	10	Poor Moderate	4		Remain	
#748A	OS-CNU	Cocos nucifera	Coconut Palm	16 9	18	18		5		Remain	
#749 #750	OS-SPA	Sabal palmetto	Sabal Palm	11	18 14	24 18	Good	4		Remain Remain	
#751	OS-CNU	Cocos nucifera	Coconut Palm	8	20	22	Good	5		Remain	
#752	OS-CNU	Cocos nucifera	Coconut Palm	9	18	22	Good	5		Remain	
#753	OS-CNU	Cocos nucifera	Coconut Palm	8	18	26	Good	5		Remain	
#754	OS-CNU	Cocos nucifera	Coconut Palm	10	20	26	Good	5		Remain	
#755	OS-SPA	Sabal palmetto	Sabal Palm	9	12	16	Good	4		Remain	
#756	OS-SPA	Sabal palmetto	Sabal Palm	14	25	16	Good	4		Remain	
#757	OS-SPA	Sabal palmetto	Sabal Palm	15	28	16	Good	4		Remain	
#758	OS-CNU	Cocos nucifera	Coconut Palm	11	30	32	Moderate	5		Remain	
#759	OS-CNU	Cocos nucifera	Coconut Palm	11	28	30	Moderate	5		Remain	
#760	OS-SPA	Sabal palmetto	Sabal Palm	9	12	14	Good	4		Remain	
#761	OS-SPA	Sabal palmetto	Sabal Palm	10	13	14	Good	4		Remain	
#762	OS-SPA	Sabal palmetto	Sabal Palm	13	13	14	Good	4		Remain	
#763	OS-SPA	Sabal palmetto	Sabal Palm	12	14	14	Good	4		Remain	
#764	OS-SPA	Sabal palmetto	Sabal Palm	15	23	14	Good	4		Remain	
#765	OS-SPA	Sabal palmetto	Sabal Palm	15	27	14	Good	4		Remain	
#766	OS-SPA	Sabal palmetto	Sabal Palm	7	22	14	Good	4		Remain	
#767	OS-SPA	Sabal palmetto	Sabal Palm	13	23	10	Moderate	4		Remain	
#768	OS-SPA	Sabal palmetto	Sabal Palm	13	22	12	Good	4		Remain	
#769	OS-SPA	Sabal palmetto	Sabal Palm	9	25	26	Good	4		Remain	
#770	OS-CNU	Cocos nucifera	Coconut Palm	9	22	26	Moderate	5		Remain	
#771 #772	OS-CNU CNU	Cocos nucifera Cocos nucifera	Coconut Palm Coconut Palm	9	14 28	18 32	Moderate Moderate	5	NOT SHOWN ON SURVEY	Remain	
#773	CNU	Cocos nucifera Cocos nucifera	Coconut Palm	9	28	32	Moderate	5	NOT SHOWN ON SURVEY		
#774	CNU	Cocos nucifera Cocos nucifera	Coconut Palm	10	22	32 34	Moderate	5	NOT SHOWN ON SURVEY		
#775	CNU	Cocos nucifera Cocos nucifera	Coconut Palm	9	14	28	Moderate	5	NOT SHOWN ON SURVEY		
#776	CNU	Cocos nucifera	Coconut Palm	9	20	20	Moderate	5	NOT SHOWN ON SURVEY		
#777	OS-CNU	Cocos nucifera	Coconut Palm	8	20	18	Moderate	5	NOT SHOWN ON SURVEY	Remain	
#778	OS-CNU	Cocos nucifera	Coconut Palm	7	20	18	Moderate	5		Remain	
#779	OS-PDA	Phoenix dactylifera	Date Palm	18	16	24	Moderate	5		Remain	
#780	OS-PDA	Phoenix dactylifera	Date Palm	16	16	26	Moderate	5		Remain	
#781		Phoenix dactylifera	Date Palm	16	15	24	Moderate	5		Remain	
A		Ficus benjamina	Weeping Fig	18	20	14	Poor	6	Hazardous Tree; No mitigation required	Remove	
В	FBE	Ficus benjamina	Weeping Fig	18	20	14	Poor	6	Hazardous Tree; No mitigation required	Remove	
С	FBE	Ficus benjamina	Weeping Fig	12	20	18	Poor	6	Hazardous Tree; No mitigation required	Remove	
D		Cocos nucifera	Coconut Palm	7	20	26	Moderate	5	,	Remain	
E	OS-CNU	Cocos nucifera	Coconut Palm	8	18	24	Moderate	5		Remain	
F	OS-SPA	Sabal palmetto	Sabal Palm	14	24	16	Moderate	5		Remain	
G		Conocarpus erectus 'Sericeus'	Silver Buttonwood	14	18	30	Good	8		Remain	
							'	'	Total Tree D.B.H. Removed Requiring Miti	igation (feet)	3
									Total Tree D.B.H. Removed Requiring Mitiga	ition (inches)	36
									Total Palms Removed Requiring	g Mitigation	14

1685 COLLINS HOTE	L MIAM	II BEACH						
1685 Collins Ave., Miami Bea	ich, FL 3313	19						
3-Dec-21								
EXISTING TREES								
Total # of Existing Trees :	19	To remain:	4	To be relocated:	1	To be removed on-site: 14	To be removed off-site:	0
EXISTING PALMS								
Total # of Existing Palms:	51	To remain:	38	To be relocated:	0	To be removed on-site: 13	To be removed off-site:	7
						•		

1685 COLLINS HOTEL MIAMI BEACH	
1685 Collins Ave, Miami Beach, FL 33139	
3-Dec-21	
Mitigation Chart	
Total Tree D.B.H. Removed Requiring Mitigation	36 inches (6 trees @ 16' HT. x 8' SPR. ; 4" DBH. min.)
Proposed Trees with 16' HT. x 8' SPR.; 4" D.B.H. (minimum)	6 (refer to 'Trees' category in plant list)
Total Palms Removed Requiring Mitigation Tree Replacement on a 1:1 basis	13 (12' HT. x 6' SPR. ; 2" DBH. min.)
Total Palms Removed Requiring Mitigation Tree Replacement on a 1:1 basis	13 (12 H1. X 6 SPR. ; 2 DBH. HIII.)
Total (Off-Site) Palms Removed Requiring Mitigation Tree Replacement on a 1:1 basis	7 (14' HT; 3" D.B.H., 4' C.T. min.) R.O.W Street Tree



7500 NE 4th Court Studio 102 Miami, FL 33138

2127 PROJECT NUMBER

PROJECT:

1685 COLLINS HOTEL

1685 Collins Avenue Miami Beach Florida 33139

INTERIOR DESIGNER SHAMSHIRI LANDSCAPE ARCHITECT jungles

DRAWING:

TREE DISPOSITION **SCHEDULE**



CHECK: DATE: 12/03/20 12/03/2021

LR.200

- CONTRACTOR MUST BE A LICENSED LANDSCAPE CONTRACTOR.
 CONTRACTOR MUST HAVE A MINIMUM OF 10 YEARS OF PROVEN EXPERIENCE RELOCATING LARGE
 SPECIMEN THESE AND PALMS IN SOUTH FLORIDA.
 CONTRACTOR MUST HAVE PROVEN EXPERIENCE RELOCATING TREES AND PALMS OF THE SAME
 SPECIES AND SIZE AS THOSE TO BE RELOCATED FOR THE CURRENT PROJECT.
 CONTRACTOR MUST HAVE A CERTIFIED ARBORIST ON STAFF.

- CONTRACTOR MUST VISIT THE JOBSITE AND INSPECT ALL TREES AND PALMS TO BE RELOCATED AS 2.1.
- WELL AS EXISTING SITE CONDITIONS AND RESTRICTIONS PRIOR TO PREPARING BID.
 CONTRACTOR MUST VERIFY AND ENSURE THAT ALL TREES AND PALMS IDENTIFIED ON THE PLANS AND
 THOSE TAGGED ON THE JOSDIST CORRESPOND AS TO NUMBER AND DESCRIPTION. ANY
 DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT
- DISCREPANCIES MUST BE BROUGHT IO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY, PRIOR TO PREPARING BID.
 CONTRACTOR MUST CONDUCT ALL WORK ASSOCIATED WITH RELOCATION AND MAINTENANCE OF TREES AND PALMS TO BE RELOCATED. NO WORK IS TO BE SUBCONTRACTED WITHOUT PRIOR WRITTEN CONSENT OF THE OWNER ANDIOR LANDSCAPE ARCHITECT. CONTRACTOR MUST DESIGNATE A COMPETENT. FINCULSH-SPEAKING SUPERVISOR OR FOREMAN TO OVERSEE AND DIRECT ALL RELOCATION AND MAINTENANCE ACTIVITIES AS OUTLINED IN THESE 24 SPECIFICATIONS.
- CONTRACTOR MUST SCHEDULE ROOT PRUNING TO PROVIDE THE MAXIMUM POSSIBLE TIME FOR NEW 2.5. ROOT GROWTH, EVEN TREES AND PALMS THAT TYPICALLY DO NOT REQUIRE LONG (OR ANY) ROOT PRUNING WILL BENEFIT FROM MORE ROOT PRUNING TIME; THEREFORE, ALL TREES AND PALMS TO BE RELOCATED MUST BE ROOT PRUNED CONTRACTOR MUST PROVIDE A ROOT PRUNE SCHEDULE FOR EACH TREE OR PALM TO BE RELOCATED AS AN ATTACHMENT TO THE BID.
- EACH TREE OR PALM TO BE RELOCATED AS AN ATTACHMENT TO THE BID.

 CONTRACTOR MUST CALL SUNSHINE 811 TO HAVE ALL UNDERGROUND UTILITIES LOCATED UNDER OR

 IN THE VICINITY OF THE CURRENT OR FUTURE LOCATIONS OF ALL TREES AND PALMS TO BE RELOCATED PRIOR TO WORK COMMENCING.
 CONTRACTOR MUST VERIFY WITH THE GENERAL CONTRACTOR THE ABSENCE OF ANY UNDERGROUND
- CONSTRUCTION OR OBSTRUCTIONS (E.G., BULKHEADS, SEPTIC SYSTEMS, ETC.) IN THE CURRENT AND FUTURE LOCATIONS OF ALL TREES AND PALMS TO BE RELOCATED.
- CONTRACTOR MUST ALERT THE LANDSCAPE ARCHITECT OF ANY TREES OR PALMS THAT WILL NOT SUCCESSFULLY RELOCATE DUE TO POOR HEALTH PRIOR TO BEGINNING ROOT PRUNING
- 2.9. CONTRACTOR MUST FLAG ALL PROPOSED TRANSPLANT LOCATIONS FOR THE LANDSCAPE ARCHITECT'S APPROVAL A MINIMUM OF 15 DAYS PRIOR TO RELOCATION.
- 2.10. CONTRACTOR MUST ENSURE THAT ALL TREES AND PALMS TO BE RELOCATED ARE INSTALLED AT THE CORRECT GRAD OR ELEVATION, ACCORDING TO THE GRADING PLAN.

 2.11. CONTRACTOR MUST ENSURE THAT ALL TOOP TLANES ARE EXPOSED AFTER RELOCATION.
- CONTRACTOR MUST EMOUVE ALL RESIDUAL ROOTS, STUMPS, AND PORTIONS THEREOF AND BACKFILL PITS FROM WHICH RELOCATED TREES AND PALMS WERE REMOVED WITH CLEAN FILL FLUSH WITH THE
- SURROUNDING GRADE.
 2.13. CONTRACTOR MUST REPAIR ANY DAMAGE TO OTHER PLANTS, LAWN, HARDSCAPES, OR NEW
- CONTRACTOR MUST REPARK ANY DAMAGE TO HITER PLANTS, LEWIN, RARDESCAPES, OR NEW CONSTRUCTION WITHIN THE ELOCATION RAFEA AT CONTRACTOR'S EXPENSE. HARDSCAPES INCLUDE BUT ARE NOT LIMITED TO CURBS, WALKS, ROADS, FENCES, SITE FUNDISHINGS, ETC. CONTRACTOR MUST PHOTOGRAPHICALLY DOCUMENT NEW ROOT GROWTH FOLLOWING EACH ROOT PRUNE AND SUBMIT THIS DOCUMENTATION TO THE LONGESCAPE ARCHITECT. THE PURPOSE OF THIS REQUIREMENT IS TO ENSURE THAT SUFFICIENT ROOT GROWTH HAS OCCURRED PRIOR TO THE ECOND AND SUBSEQUENT ROOT PRUNES AND FOLLOWING THE FINAL ROOT PRUNE PRIOR TO
- RELOCATION.

 CONTRACTOR MUST INSTALL AND MAINTAIN PROTECTION FENCING AROUND EACH TREE AND PALM TO BE RELOCATED BOTH DURING ROOT PRUNING AND AFTER RELOCATION. PROTECTION FENCING MUST CONISTO OF GALVANIZED WELDED WIRE FABRIC OR PLASTIC MESH ATTACHED TO 4". X4" POSTS INSERTED AROUND THE PERIMETER OF THE DRIPLINE OF THE TREE OR PALM. PROTECTION FENCING MUST BE PLUMB, TAUT, AND STURDY AT ALL TIMES AND MUST REPAIR FROM THE REPORT OF THE T CONTRACTOR MUST INSTALL AND MAINTAIN PROTECTION FENCING AROUND EACH TREE AND PALM TO

3. ROOT PRUNING SPECIFICATIONS

- 3.1.1. ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 2-3 DAYS PRIOR TO ANY ROOTS BEING CUT TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.

 3.1.2. EACH TREE AND PALM MUST THEN BE WATERED EVERY OTHER DAY, NOT RELYING ON RAIN, DURING THE ENTIRE ROOT PRUNING PROCESS EITHER BY A TEMPORARY IRRICATION SYSTEM OR BY HAND. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.

 3.1.3. TREE AND PALM RELOCATION ACTIVITIES MUST BE SCHEDULED SO THAT REMOVAL AND REPLANTING TAKE PLACE IN THE SAME 24-HOUR PERIOD. ON TREES OR PALMS MAY BE "STOCKPILED" ONSITE OR OFFSITE FOR ANY PERIOD OF TIME WITHOUT PRIOR WIRTTEN APPROVAL OF THE LANDSCAPE ARCHITECT. WHEN ALLOWED, APPROVAL FOR THE METHOD OF "STOCKPILED" GIVEN BY BE OBTAINED FROM THE LANDSCAPE ARCHITECT.
- ARCHITECT INTERNALLIMED, APPROVAL FOR THE METHOLOUP STOCKHILLING MIGHT BE DONINGED.

 3.14. ALL DIGGING IN THE ROOT ZOE DURING THE ROOT PRUNE PROCESS MUST BE DONE BY HAND, NO MACHINERY WILL BE ALLOWED PRUNING OF ROOTS MUST BE DONE BY HAND WITH CLEAN, SHARP TOOLS. DO NOT PAINT CUT ROOTS WITH TREE PAINT OR ANY KIND OF SEALANT:

 3.15. MYCORRHAZI (ROOTS) FRANSPLANT OR COUNTALENT, MUST BE INCORPORATED INTO THE BACKFILL.
- 3.1.5. MTCURRILE, ROUTISE 1 RANSPLANT OR EQUIVALENT) MUST BE INCURPORATE INTO THE BACKFILL SOIL PRIOR TO BACKFILLING AS PER MANUFACTURER'S RECOMMENDATIONS.
 3.1.6. AFTER EACH ROOT PRUNE, EACH SECTION OF ROOTBALL THAT IS PRUNED MUST BE WRAPPED WITH BLACK PLASTIC AND THE TERNCH BACKFILLED WITH ORIGINAL EXCAVATED SOIL. A TREE RING WITH A MINIMUM HEIGHT OF 6" MUST BE CONSTRUCTED 6-12" OUTSIDE THE OUTERMOST EOGE OF THE ROOTBALL AND AROUND THE ENTIRE PERIMETER OF THE ROOTBALL DIRECT INFIGURATION WATER AND ANY ADDED SUPPLEMENTS DOWN INTO THE ROOTBALL DURING ROOT REGENERATION.
- 3.1.7. ONCE THE TREE RING IS CONSTRUCTED AFTER EACH ROOT PRUNE, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE LIBERALLY APPLIED TO THE SURFACE OF THE ROOTBALL AND THOROUGHLY WATERED IN TO ENCOURAGE NEW ROOT GROWTH.

- 3.2.1. PRIOR TO ANY ROOTS BEING CUT, ALL MAJOR ROOTS MUST BE IDENTIFIED TO DETERMINE THE ROOTS ALL DIAMETER BASED ON THE RELATIVE LOCATION AND SIZE OF THE ROOTS
- ROOTBALL DIAMETER BASED ON THE RELATIVE LOCATION AND SIZE OF THE ROOTS.

 3.2. MAN'T FEER FEL CATON, SPECIFICATIONS USE "CEMPERA, RULES" TO CALCULATE MINIMUM ROOTBALL DIAMETER, SUCH AS MULTIPLYING THE DIAMETER AT BREAST HEIGHT (DBH) OF THE TREE BY A FACTOR OF 10 OR ALLOWING A MINIMUM OF 3"12" OF ROOTBALL OF EVERY 1" OF TREE CALIPER OTHERS LIST UNREALISTIC MINIMUM SIZES FOR THE ROOTBALLS OF VARIOUS TREE CALIPERS OR HEIGHTS. IN MANY CASES, SUCH APPROACHES RESULT IN ROOTBALLS THAT ARE EITHER TOO LARGE OR TOO SMALL FOR A GIVEN TREE. THE FOLLOWING TABLE LISTS MINIMUM ROOTBALL DIAMETERS BASED ON REAL-WORLD EXPERIENCE OF TREE RELOCATION SPECIALISTS IN SOUTH FLORIDA:

CALIPER	MIN. ROOTBALL	CALIPER	MIN. ROOTBALL
(inches)	DIA. (feet)	(inches)	DIA. (feet)
1 - 4	3	12 - 14	- 8
4 - 5	4	15 - 17	10
6 - 7	5	18 - 24	12 - 15
8 - 9	6	25 - 30	15 - 25
10 -11	7	30 +	as needed

- 3.2.3. WHENEVER POSSIBLE, ROOTBALLS MUST BE CIRCULAR IN SHAPE WITH AN EQUAL DISTANCE FROM
- THE TRUNK TO THE EDGE OF THE ROOTBALL ALL AROUND.

 3.2.4. MINIMUM ROOTBALL DEPTH MUST BE 24"-36" FOR ALL TREES TO BE RELOCATED, WITH THE ACTUAL DEPTH TO BE DETERMINED ONLY AFTER A THOROUGH EXAMINATION OF ALL ROOTS DURING THE INITIAL ROOT INSPECTION AND BASED ON THE ABSENCE OF MAJOR ROOTS AT THE BOTTOM OF THE ROOTBALL. ROOTBALLS DEEPER THAN 36" MAY BE REQUIRED FOR LARGE SPECIMEN TREES, DEPENDING ON THE RELATIVE LOCATIONS AND DEPTHS OF THE MAJOR ROOTS AS OBSERVED DURING

- 3.2.5. AS A GENERAL RULE. MINIMUM ROOT PRUNE TIME FOR TREES WITH A DBH OF LESS THAN 10" IS 12 WEEKS. THE FIRST ROOT PRUNE ON THE OTHER TWO SIDES DONE A MINIMUM OF S WEEKS LATER, AND A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 3 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES ON THE LAST SIDE DONE A MINIMUM OF 3 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVENIEN (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS), MORE TIME MAY BE NEEDED DURING THE COOLER MONTHS OF THE YEAR.

 3.2.6. AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR TREES WITH A DBH OF 10" OR GREATER IS 24 WEEKS. THE FIRST ROOT PRUNE WEB EON TWO OPPOSING SIDES OF THE ROOTBALL, WITH THE SECOND ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 6 WEEKS AFTER, AND A THIRD ROOT PRUNES IN THE SECOND AND THE LAST SIDE DONE A MINIMUM OF 6 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES IN THE SECOND CALL HER SECOND AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS WEDDEN (SEE SECOND). 214 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY ROOT PRUNES IS WEIGHT (SEE SECOND CALL HEALTH FROM THE SECOND AND THIRD ROOT PRUNES IS WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES IS WEIGHT (SEE SECOND CALL HER ROOT PRUNES IS WEIGHT (SEE SECOND CALL HER ROOT PRUNES IS WEIGHT OF THE SECOND AND THIS DROOT PRUNES IS WEIGHT OF THE SECOND AND THE MEDITAL THE SECOND AND THIRD ROOT PRUNES IS WEIGHT OF THE SECOND AND THE MEDITAL THE SECOND AND THIS PROOT PRUNES IS WEIGHT OF THE SECOND AND THE SECOND AND
- NO TIMES IS EVIDENCE THE COLOR TO LOAD ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW BOOT GROWTH DURING THE ROOT PRUNE PROCESS), MORE TIME MAY BE NEEDED DURING THE COOLER MONTHS OF THE YEAR.

 3.27. CERTAIN HARDWOOD TREES AND GYMNOSPERMS REQUIRE LONGER ROOT PRUNING TIMES. THESE INCLUDE, BUT ARE NOT LUMITED IT, THE FOLLOWING:

AVOCADO (PERSEA AMERICANA) BLACK OLIVE (BUCIDA BUCERAS) BRIDALVEIL (CAESALPINIA GRANADILLO CASSIAS (ALL SPECIES OF CASSIA) LIGNUM VITAE (GUAIACUM SANCTUM & G. OFFICINALE) PODOCARPUS (PODOCARPUS SP.) LIVE OAK (QUERCUS VIRGINIANA) MAHOGANY (SWIFTENIA MAHAGONI) MANGO (MANGIFERA INDICA) PIGEON PLUM (COCCOLOBA DIVERSIFOLIA) SWEET ACACIA (ACACIA FARNESIANA) VERAWOOD (BULNESIA ARBOREA)

WILD TAMARIND (LYSILOMA LATISILIQUUM & L. SABICU)

FOR THESE TREES, THE MINIMUM ROOT PRUNE TIMES DISCUSSED IN SECTIONS 3,2,5 AND 3,2,6 ABOVE FOR THESE IREES, IT IE MINIMUM ROUT PROME TIMES DISCUSSED IN SECTIONS 2.29 AND 3.22 ABOUT MAY BE INSUFFICIENT, ONLY WHEN SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING AN EARLIER ROOT PROWING CAN THE NEXT ROOT PROWING ED DONE, AND ONLY WHEN SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING THE FINAL ROOT PROWING THE THEE EB RELOCATED (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PROWE PROCESS).

3.3. PALMS
3.3.1. THE FOLLOWING TABLE LISTS MINIMUM ROOTBALL DIAMETERS FOR VARIOUS SPECIES OF PALMS BASED ON REAL-WORLD EXPERIENCE OF RELOCATION SPECIALISTS IN SOUTH FLORIDA

PALM SPECIES SABAL / CABBAGE PALM ROOTBALL SPECIFICATIONS 12" from trunk in all directions QUEEN & FOXTAIL PALMS ROYAL & COCONUT PALMS 18 - 24" from trunk in all directions 24" from trunk in all directions 24" from trunk in all directions SLOW-GROWING PALMS

- (see sec. 3.3.4) 3.3.2. PALM ROOTBALLS MUST BE A MINIMUM OF 24" DEEP. WHENEVER POSSIBLE, ROOTBALLS MUST BE RCULAR IN SHAPE WITH AN EQUAL DISTANCE FROM THE TRUNK TO THE EDGE OF THE ROO
- ALL AROUND.

 3.3. AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR PALMS IS 6-8 WEEKS. THE FIRST ROOT PRUNE
 MUST BE ON TWO OPPOSING SIDES OF THE ROOTBALL, WITH THE SECOND ROOT PRUNE ON ONE OF
 THE OTHER TWO SIDES DONE A MINIMUM OF 3-4 WEEKS LATER, AND A THIRD ROOT PRUNE ON THE
 LAST SIDE DONE A MINIMUM OF 4-5-6 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES
 MAY ONLY BE DONE WHEN HEALTH NEW ROOT GROWTH FROM RARLER ROOT PRUNES IS EVIDENT
 (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW PROOT

MAY ONLY BE UDICE WHEN HEALL HIT NEW PROOF OR WITH PROMERVALE MOOF PROVINS IS EVIDENT (SEES SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH DURING THE ROOT PRUNE PROCESS). MORE TIME MAY BE NEEDED DURING THE COOLER MONTHS OF THE YEAR.
CERTAIN PALMS, IN PARTICULAR THOSE THAT ARE SLOW GROWING, REQUIRE LONGER ROOT PRUNING TIME. THESE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

ALL SPECIES OF ARCHONTOPHOENIX

ALL SPECIES OF CORYPHA

AMERICAN OIL PALMS (ALL SPECIES OF ATTALEA)

BISMARCK PALM GISMARCKIA NOBILIS)

CUBAN BELLY PALM (GASTROCOCOS CRISPA)

GINGERBREADIDOUN PALMS (ALL SPECIES OF HYPHAENE)

PALMYRA PALMS (ALL SPECIES OF BORASSUS)

SAW PALMETTIS (SERENOA REPENS)

SAW PALMETTIS LIMITENSIS)

SAW PALMETTIS LIMITENSIS)

SAW PALMETTIS AND COCCOTIFICATION ARCHONICAL SECTIONS. SILVER PALM (COCCOTHRINAX ARGENTATA)
ZOMBIE PALM (ZOMBIA ANTILLARUM)

FOR THESE PALMS, THE MINIMUM ROOT PRUNING TIME IS 4-6 MONTHS OR GREATER. ONLY WHEN SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING AN EARLIER ROOT PRUNE CAN THE NEXT ROOT PRUNE BE DONE, AND ONLY WHEN SUFFICIENT NEW ROOT GROWTH HAS TAKEN PLACE FOLLOWING THE FINAL ROOT PRUNE MAY THE TREE BE RELOCATED (SEE SECTION 2.14 ABOVE FOR SPECIFICATIONS ON PHOTOGRAPHICALLY DOCUMENTING NEW ROOT GROWTH DURING THE ROOT

4. CANOPY PRUNING SPECIFICATIONS

- 4.1.1. PRIOR TO RELOCATION, THE CANOPY OF EACH TREE TO BE RELOCATED MUST BE SELECTIVELY PRUNED TO REMOVE CROSSING, DEAD, DISEASED, BROKEN, AND LOW-HANGING BRANCHES THAT MAY INTERFERE WITH CONSTRUCTION ACTIVITIES, OR THAT MAY INTERFERE OR RESTRICT STRAPPING OR LIFTING THE TREE DURING RELOCATION.
- 4.1.2. FOR TREES BEING RELOCATED ONSITE. THE CANOPY MAY BE SELECTIVELY THINNED AND REDUCED BY NO MORE THAN 1/3 OF THE OVERALL CANOPY MASS, AT THE DIRECTION OF THE LANDSCAPE ARCHITECT; HOWEVER, THE BASIC SHAPE, FORM, AND CHARACTER OF THE TREE MUST BE PRESERVED.
- 4.1.3. FOR TREES BEING RELOCATED OFFSITE. THE CANOPY MUST BE PRUNED, AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, TO FIT ON THE TRAILER FOR TRANSPORT, EVERY EFFORT MUST BE MADE TO RETAIN AS MANY LARGE BRANCHES AS POSSIBLE AND TO PRESERVE AS MUCH OF THE SHAPE, FORM, AND CHARACTER OF THE TREE AS POSSIBLE TO THE WIDEST LOAD WIDTH ALLOWABLE BY THE FLORIDA DEPARTMENT OF TRANSPORTATION. CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS AND ESCORTS TO TRANSPORT WIDE LOADS, PER FLORIDA LAW.
- 4.1.4. ALL CANOPY PRUNING MUST BE CONDUCTED FOLLOWING ANSI A-300 TREE PRUNING STANDARDS AND BEST MANAGEMENT PRACTICES.
- 4.1.5. ALL DEBRIS GENERATED DURING CANOPY PRUNING MUST BE REMOVED OFFSITE AND DISPOSED.

- 4.2.1 IT IS WELL KNOWN THAT SOME PALMS SURVIVE RELOCATION BETTER WHEN ALL OF THE LEAVES ARE IT IS WELL KNOWN THAT SOME PALMS SURVIVE RELOCATION BETTER WHEN ALL OF THE LEAVES ARE REMOVED (E.G., CABBAGE PAIM, SABAL PAIM/ETTO), AND THAT OTHER PALMS BENEFIT FROM HAVING THERE LEAVES CUT IN HALF DURING RELOCATION (E.G., COCONUT PALM, COCOS NUC/EFRA), BOTH OF THESE HORTICULTURAL PRACTICES, WHILE TRUE, ARE ONLY APPLICABLE WHEN PALMS ARE NOT ROOT PRUNCED. LEAVES DO NOT NEED TO BE CUT IN HALF OR REMOVED FROM PALMS THAT ARE ADEQUATELY ROOT PRUNED. ON OCCASION WHEN SUFFICIENT ROOT PRUNING TIME IS NOT AVAILABLE, PALMS TO BE RELOCATED MAY HAVE THEIR LEAVES CUT IN HALF OR REMOVED ENTIRELY AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.
- 4.2.2. PALM LEAVES MUST BE TIED UP WITH 2-PLY BIODEGRADABLE TWINE PRIOR TO RELOCATION TO PREVENT MECHANICAL DAMAGE DURING THE RELOCATION PROCESS
- 4.2.3. PALM TRUNKS SHALL ONLY BE 'CLEANED UP' ACCORDING TO THE LANDSCAPE ARCHITECT'S SPECIFICATIONS SPECIFIC TO EACH PALM.

RELOCATION SPECIFICATIONS

5.1. GENERAL

- 5.1.1. LANDSCAPE CONTRACTOR TO FLAG ALL PROPOSED PLANT LOCATIONS FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION. NOTIFY LANDSCAPE ARCHITECT A MINIMUM OF 15 DAYS PRIOR
- TO REVIEW. 5.1.2. ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 5 DAYS PRIOR TO

6.4. PALMS

6.4.3. FOLIAR FEED SIX TIMES PER YEAR.

TREE PROTECTION SPECIFICATIONS

CONTRACTOR'S EXPENSE.

8' 0.C. MAX

(WIDTH VARIES)

ELEVATION

REE BARRICADE DETAIL

REE TRUNK PROTECTION DETAIL

7.2. FENCES SHOULD BE OF STURDY CONSTRUCTION.

6.4.1. STRING MUST BE REMOVED FROM THE TIED UP LEAVES IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION IF THE PALM WAS ROOT PRUNED OR WITHIN 30-45 DAYS AFTER RELOCATION ON T OCCASION THE LANDSCAPE ARCHITECT APPROVED RELOCATION WITHOUT ROOT PRUNING DUE TO TIME CONSTRAINTS.

7.1. TREE PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING FOR ALL TREES / PALMS TO REMAIN OR BE RELOCATED.

STUDDY TEMPORARY BARRIERS SHALL BE INSTALLED AROUND ALL TREE PROTECTION ZONES. BARRIERS SHALL BE A MINIMUM OF FOUR FEET HIGH, AND SHALL BE CONSTRUCTED OF CONTINUOUS CHAIN LINK FENCE WITH METAL POSTS AT EIGHT-FOOT SPACING, OR OF TWO-BY-FOUR INCH POSTS WITH THREE EQUALLY SPACED TWO-BY-FOUR INCH RAILS.

POSTS MAY BE SHIFTED TO AVOID ROOTS.

7.3. FENCES MUST BE MAINTAINED INTACT UNTIL THE PROJECT IS COMPLETED. THEY SHOULD NOT BE

REMOVED OR DROPPED FOR ANY REASON WITHOUT AUTHORIZATION FROM THE CITY'S URBAN

STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL LIGHTING, ETC.

8.1. ALL RELOCATED TREES AND PALMS MUST BE GUARANTEED FOR ONE YEAR FROM THE DATE OF RELOCATION TO THEIR FINAL LOCATIONS.

METAL OR WOOD BARRIE FENCING. SEE 7.2 SPEC. THIS SHEET.

10'-0" MIN. TREE PROTECTION

2x4 WOOD LUMBER

STAPLE WIRE TO LUMBER

PLAN

8.2. IF A TREE OR PALM DIES WITHIN THE 1-YEAR WARRANTY PERIOD, IT MUST BE REMOVED AND REPLACED AT CONTRACTOR'S EXPENSE.

8.3. IF A TREE OR PALM PERFORMS POORLY WITHIN THE 1-YEAR WARRANTY PERIOD, IT MUST BE REMOVED

AND REPLACED AT THE CONTRACTORS EXPENSE. THE DECISION TO REPLACE BASED ON POOR HEALTH IS AT THE DISCRETION OF THE LANDSCAPE ARCHITECT.

8.4. IF A TREE OR PALM SETTLES TO AN UNHEALTHY DETPI WITHIN THE 1-YEAR WARRANTY PERIOD, AS DEEMED BY THE LANDSCAPE ARCHITECT, IT MUST BE RAISED TO THE CORRECT GRADE AT

7.4. NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE,

6.4.2. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION AND EVERY THREE MONTHS THEREAFTER A HIGH-QUALITY, SLOW-RELEASE 8-4-12 GRANULAR PALM FERTILIZER WITH MINORS MUST BE APPLIED, AT THE RECOMMENDED LABEL RATE, SPREAD EVENLY ACROSS THE SURFACE OF THE ROOTBALL.

- ANY RELOCATION TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.

 5.1.3. AL ROOTBALLS MUST BE WRAPPED IN DIRLAP AND THEN TIGHTLY WIRE-WRAPPED (USING REDLINE HORSE WIRE OR EQUIVALENT) TO KEEP THE ENTIRE ROOTBALL INTACT DURING RELOCATION. TREES AND PALMS GROWING IN LIMESTONE MUST BE DUG AND RELOCATED WITH THE ROOTS ATTACHED TO A SECTION OF ROCK AS PART OF THE ROOTBALLS. AND THAT THE ROOTS REMAIN INTACT. ROOTBALLS COMING FROM SAND OR SANDY SOIL MAY ALSO NEED TO BE BOXED PRIOR TO RELOCATION, AT THE DISCREPTION OF THE LANDSCAPE ARCHITECT.
- DISCRETION OF THE LANDSCAPE ARCHITECT.

 5.1.4. TREES AND PALMS BEING RELOCATED OFFSITE MUST HAVE THEIR ENTIRE ROOTBALLS THOROUGHLY AND TIGHTLY WRAPPED WITH PLASTIC SHIRIK WRAP ON THE OUTSIDE OF THE WIRE WRAP, AND THE ENTIRE TREE OR PALM (INCLUDING CANOPY, TRUNK, AND ROOTBALL) MUST BE COVERED WITH A
- ENTIRE: INEE OR PAIL (INCLUDING CANDLY). TRUME, AND ROOT BALLY MUST BE COVERED WITH A BREATTHABLE TARP, (E.G., SHADE CLOTH) DURING TRANSPORTS.

 5.1.5. NEW PLANTING PITS FOR RELOCATED TREES AND PALMS MUST BE PREPARED PRIOR TO LIFTING THE PALM OR TREE FROM TIS CURRENT LOCATION AND MUST BE AT LEAST 3-4 FEET WIDER THAN THE ROOTBALL AND THE SAME DEPTH AS THE ROOTBALL, SUCH THAT THE FINAL ELEVATION OF THE TOP OF THE ROOTBALL AND TO SIGHTLY ABOVE (MO MORE THAN 2" HIGHER) PINAL GRADE.

 5.1.6. TREES AND PALMS TO BE RELOCATED MUST BE LIFTED BY THE ROOTBALL ONLY, USING
- APPROPRIATELY SIZED (LENGTH AND STRENGTH) LIFTING STRAPS OR CHAINS. DURING LIFTING, THE TREE OR PALM MUST BE BALANCED IN A MORE-OR-LESS UPRIGHT POSITION, WITH THE STRAP ON THE TRUNK USED ONLY FOR BALANCING AND MANEUVERING THE TREE OR PALM INTO POSITION, NO CHAINS MAY BE USED AROUND OR AGAINST THE TRUNK AT ANY TIME. AT NO TIME SHALL 100% OF THE WEIGHT OF THE TREE OR PALM BE ON THE STRAP ATTACHED TO THE TRUNK. TRUNKS MUST BE HEAVILY PADDED WITH 30-60 LAYERS (DEPENDING ON SIZE AND WEIGHT) OF BURLAP BENEATH THE BALANCING STRAP.
- 5.1.7. TREES AND PALMS MUST BE LIFTED WITH A CRANE OR BACKHOE APPROPRIATELY SIZED FOR THE SIZE AND WEIGHT OF THE TREE OR PALM AND LIFTED OR CARRIED DIRECTLY TO THE FINAL INSTALL LOCATION OR TRANSPORT TRAILER.

 5.1.8. ONCE LIFTING BEGINS, ANY VINCUT ROOTS UNDER OR AROUND THE ROOTBALL THAT MAY YET REMAIN
- MUST BE IMMEDIATELY SEVERED WITH HAND PRUNING TOOLS TO MINIMIZE TEARING AND ROO
- DAMAGE.

 5.1.9. AGRIFORM PLANTING TABLETS (OR APPROVED EQUIVALENT) MUST BE EVENLY DISTRIBUTED AROUND THE PERIMETER OF THE PLANTING PIT AT THE RATE OF 2 TABLETS PER 1° TRUNK CALIPER PRIOR TO BACKFILLING.
- 5.1.10. MYCORRHIZA (ROOTS® TRANSPLANT OR EQUIVALENT) MUST BE INCORPORATED INTO THE BACKFILL
- SOIL PRIOR TO BACKFILLING.
 5.1.11. RELOCATED TREES AND PALMS MUST BE CENTERED IN THE PLANTING PIT, AND THE PIT BACKFILLED
- 5.1.11. RELOCATED TREES AND PALMS MUST BE CENTERED IN THE PLANTING PIT, AND THE PIT BACKFILLED USING A 1-1 MIXTURE OF EXISTING SOIL AND 80.20 (DOT SAND-MUCK) SOIL MIX THOROUGHLY BLENDED TOGETHER. DO NOT USE MUDDY SOIL AS BACKFILL (SEE 5.2.2 BELOW FOR SPECIAL CONDITIONS REGARDING DATE PALM BACKFILL SPECIFICATIONS.)
 5.1.12. SMALL TREES AND PALMS MUST BE FIRMLY BRACED USING A MINIMUM OF FOUR 4" X 4" WOODEN BRACES ATTACHED TO 2" X 4" WOODEN BATTENS HELD IN PLACE WITH TWO STEEL BANDS. LARGER TREES MAY REQUIRE 6" X 6" WOODEN POSTS OR EVEN TELEPHONE POLES TO PROVING SUFFICIENT BRACING STRENGTH TO PREVENT TOPPLING DURING WIND EVENTS. A SUFFICIENT NUMBER OF BATTENS MUST BE STRATEGICALLY PLACED AROUND THE TRUNK SLICH THAT THE STEEL BANDS BATTEMS MUST BE STRATEGICALLY PLACED AROUND THE TRUNK SUCH THAT THE STEEL BANDS NEVER CONTACT THE TRUNK NO BURLAP IS TO REMAIN UNDER THE WOODEN BATTEMS ON TREES DURING BRACING, BUIT SEVERA LAYERS OF BURLAP SHOULD BE LEFT UNDER THE WOODEN BATTEMS WHEN BRACING PAUSE, NAILS SHALL NEVER BE DRIVEN DIRECTLY INTO THE TRUNK DURING BRACING, BRACING MUST REMAIN IN PLACE FOR A MINIMUM OF ONE YEAR. 5.1.13. A TREE RING WITH A MINIMUM HEIGHT OF 6" MUST BE CONSTRUCTED 6-12" OUTSIDE THE OUTERMOST EGGE OF THE ROOTBALL AND AROUND THE ENTIRE PREIMETER OF THE ROOTBALL TO DIRECT IRRIGATION WATER AND ANY SUPPLEMENTS THAT ARE ADDED DOWN INTO THE ROOTBALL DURING BROOT BEFOREFRATION.

- ROOT REGENERATION.

 5.1.4. ONCE THE TERE RING IS CONSTRUCTED, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE LIBERALLY APPLIED TO THE SURFACE OF THE ROOTBALL AND THOROUGHLY WATERED IN.

 5.1.5. ROOTBALLS MUST BE THOROUGHLY WATERED IN USING A HOSE AND A JOHNSON BAR INSERTED TO THE VERY BOTTOM OF THE ROOTBALL AND SWUNG BACK AND FORTH TO PREVENT FORMATION OF AIR POCKETS. THE JOHNSON BAR TECHNIQUE MUST BE REPEATED AT LEAST ONCE WORKE WITHIN ONE WEEK AFTER RELOCATION, AND AGAIN IF ANY SIGNS OF STRESS BECOME APPARENT.

 5.1.16. ORGANIC MULCH (MELALEUCA IS PREFERRED) MUST BE APPLIED WITHIN 48 HOURS OF RELOCATION AT A DEPTH OF 3-4" COPE THE ENTIRE TOP OF THE ROOTBALL FROM THE TREE RING TO WITHIN 6" OF THE TRUMK, MULCH MUST NOT BE APPLIED OR ALLOWED TO ACCUMULATE DIRECTLY AGAINST THE TRUMK.
- TRUNK.
 5.1.17. PITS FROM WHICH THE RELOCATED TREES AND PALMS WERE REMOVED MUST BE CLEANED OF ALL RESIDUAL ROOTS, STUMPS, AND PORTIONS THEREOF AND BACKFILLED WITH CLEAN FILL FLUSH WITH THE SURROUNDING GRADE.
 5.118. RESTORE THE SURFACE WITH MATERIAL TO MATCH ADJACENT AREAS. MATERIAL TO BE APPROVED BY LANDSCAPE ARCHITECT. CONTRACTOR TO PROVIDE A MINIMUM OF ONE YEAR WARRANTY ON SETTLING AND PLANT MATERIAL FROM TIME OF SUBSTANTIAL COMPLETION.
 5.2. SPECIAL CONDITIONS.

- . MULTI-TRUNK TREES AND PALMS MUST BE RELOCATED AS ONE UNIT WITH A SINGLE ROOTBALL.
 . PLANTING PITS FOR EDIBLE DATE PALMS (PHOENIX DACTYLIFERA) MUST BE BACKFILLED WITH PURE DOT SILICA SAND.

MAINTENANCE SPECIFICATIONS

- 6.1.1. ALL RELOCATED TREES AND PALMS MUST BE MAINTAINED FOR ONE YEAR FROM THE DATE OF RELOCATION TO THEIR FINAL LOCATIONS.
- 6.1.2. CONTRACTOR MUST MAINTAIN ALL RELOCATED TREES AND PALMS FOR ONE FULL YEAR FROM THE DATE OF RELOCATION TO THE FINAL LOCATION.
- DATE OF RELOCATION TO THE FINAL LOCATION.

 6.1.3. WHENEVER POSSIBLE, EACH TREE AND PAIM MUST BE WATERED BY A PERMANENT AUTOMATIC IRRIGATION SYSTEM FOLLOWING RELOCATION. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH, THIS WILL REQUIRE 2-50 GALLONS OF WATER FOR SMALL TREES AND PALMS, DEPENDING ON ROOTBALL SIZE, WHILE LARGE TREES WILL REQUIRE A MINIMUM OF 10 GALLONS PER NOTO FROOTBALL DIAMETER (IE., A 10' DIAMETER ROOTBALL WILL REQUIRE A MINIMUM OF 10' GALLONS PER WATERING EVENT, WATERING FREQUENCY MUST BE EVERY DAY FOR THE FIRST TWO WEEKS, EVERY OTHER DAY FOR THE NEXT THREE WEEKS, AND EVERY THIRD DAY FOR THE NEXT THREE WEEKS, AND EVERY THIRD DAY FOR THE NEXT 6-8 WEEKS.
- 6.1.4. WHEN AN AUTOMATIC IRRIGATION SYSTEM IS NOT POSSIBLE, CONTRACTOR IS RESPONSIBLE FOR HAND WATERING RELOCATED TREES AND PALMS THROUGHOUT THE MAINTENANCE PERIOD AND UNTIL FINAL ACCEPTACE BY THE LANSCAPE ARCHITECT AND/OR CLIENT.
 6.1.5. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION, A HIGH-PHOSPHORUS ROOT STIMULANT
- MUST BE APPLIED TO THE SURFACE OF THE ROOTBALL AT THE RECOMMENDED LABEL RATE AND WATERED IN WITH A DRENOH CONSISTING OF A SYSTEMIC INSECTICIDE AND A CONTACT ROOT ROT FUNGICIDE, FOLLOWING LABEL INSTRUCTIONS, AS INITIAL PREVENTATIVE MAINTENANCE.
- 6.1.6. EVERY THREE MONTHS THEREAFTER, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE APPLIED TO THE SUBFACE OF THE ROOTBALL AT THE RECOMMENDED LABEL RATE AND WATERED IN WITH A DRENCH CONSISTING OF A SYSTEMIC INSECTICIDE AND A BROAD-SPECTRUM SYSTEMIC FUNGICIDE, FOLLOWING LABEL INSTRUCTIONS, AS CONTINUING PREVENTATIVE MAINTENANCE.
- 6.1.7. IRRIGATION AND BRACING MUST BE CHECKED AND EACH TREE OR PALM THOROUGHLY INSPECTED FOR SIGNS OF STRESS, DISEASE, OR PEST PROBLEMS ON A MONTHLY BASIS.

6.2. SHADE TREES

- 6.2.1. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION AND EVERY THREE MONTHS THEREAFTER, A HIGH-GUALITY, SLOW-RELEASE 15-216 GRANULAF FERTILIZER MUST BE APPLIED, AT THE RECOMMENDED LABEL RATE, SPREAD EVENLY ACROSS THE SURFACE OF THE ROOTBALL.
- 6.2.2. FOLIAR FEED FOUR TIMES PER YEAR.

6.3. FLOWERING TREES

- 6.3.1. IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION AND EVERY THREE MONTHS THEREAFTER, A HIGH-QUALITY, SLOW-RELEASE 5-10-15 GRANULAR FERTILIZER MUST BE APPLIED, AT THE RECOMMENDED LABEL RATE, SPREAD EVENLY ACROSS THE SURFACE OF THE ROOTBALL.
- 6.3.2. FOLIAR FEED FOUR TIMES PER YEAR.

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2127

PROJECT:

1685 COLLINS HOTEL

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INTERIOR DESIGNER SHAMSHIRI LANDSCAPE ARCHITECT jungles

DRAWING:

TRFF DISPOSITION **NOTES & DFTAILS**



CHECK DATE: 12/03/2021

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