

6020 NORTH BAY ROAD GARDEN

6020-6050 North Bay Road, Miami Beach, FL 33140

DESIGN REVIEW BOARD SUBMITTAL - July 10, 2023

Prepared for:

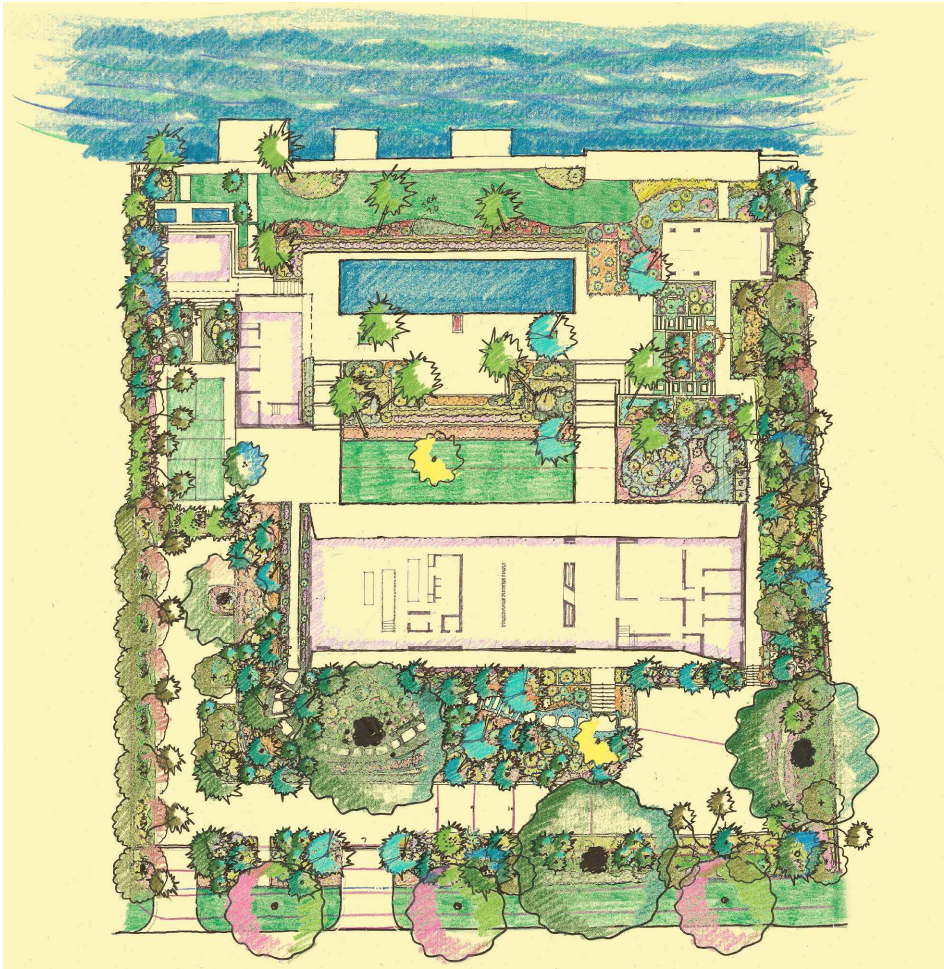
Patrick Markert
3525 Piedmont Rd. NE
8 Piedmont Center, Suite 600
Atlanta, GA 30305

Prepared by:

jungles

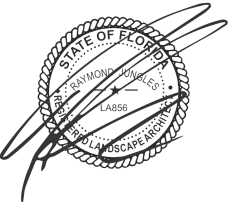
Raymond Jungles, Inc.
Landscape Architect

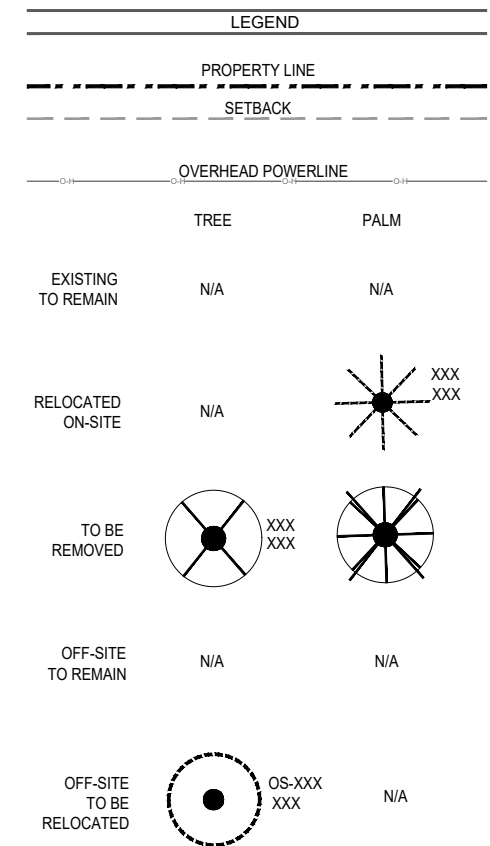
2964 Aviation Ave.
Coconut Grove, FL 33133
P: 305.858.6777
www.raymondjungles.com
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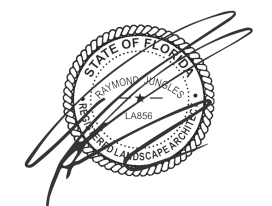




1. TREE SURVEY BASED ON ALL AVAILABLE INFORMATION. CONTRACTOR TO REPORT ALL DISCREPANCIES TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO CONSTRUCTION. RAYMOND JUNGLES, INC. (RJI) MAY ASSIST WITH THE TAGGING OF ALL TREES IN THE FIELD.
2. ALL TREES TO BE RELOCATED SHALL BE ROOT PRUNED A MINIMUM OF 60 DAYS PRIOR TO THEIR RELOCATION AND SHOULD BE SETUP ON A CONTROLLED IRRIGATION SYSTEM DURING THIS TIME. RJI WILL ALSO OVERSEE ANY RECOMMENDATIONS FOR FURTHER MODIFICATIONS TO ANY EXISTING MATERIAL.
3. ALL PITS TO BE FILLED THE SAME DAY OF REMOVAL OF TREES. RESTORE SURFACE WITH SOD OR MULCH TO MATCH EXISTING CONDITIONS.
4. CONTRACTOR SHALL VERIFY ALL EXISTING ABOVE AND UNDERGROUND UTILITIES 48 HOURS PRIOR TO ANY ON SITE EXCAVATION.
5. REVIEW ADDITIONAL NOTES AND DETAILS ON SHEET L.022 FOR RELOCATED MATERIAL.
6. REFER TO LANDSCAPE PLANS FOR FINAL LOCATION OF RELOCATED TREES.
7. ALL WORK AND/OR IMPROVEMENTS WITHIN THE RIGHT-OF-WAY, INCLUDING LANDSCAPING AND IRRIGATION, REQUIRES A SEPARATE CITY OF MIAMI BEACH PUBLIC WORKS DEPARTMENT RIGHT-OF-WAY CONSTRUCTION PERMIT.
8. ALL TRANSPLANTING AND RELOCATING OF TREES OR PALMS SHALL BE DONE IN COMPLIANCE WITH STANDARDS SET FORTH IN THE MOST RECENTLY PUBLISHED EDITION OF THE AMERICAN STANDARDS INSTITUTE ANSI A-300 STANDARDS. THIS REQUIREMENT INCLUDES ALL PROCEDURES, TECHNIQUES, STANDARDS FOR MINIMUM ROOT BALL SIZE, AND ANY OTHER STANDARDS INCLUDED IN THE ANSI A-300 STANDARDS.

1/32" = 1'-0"

07/10/23 L.020
DRB FINAL SUBMITTAL

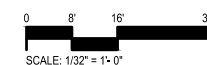


LANDSCAPE ARCHITECT
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6020-6050 NORTH BAY ROAD, MIAMI BEACH, FL 33140											
TREE DISPOSITION SCHEDULE											
Existing Trees and Palms				D.B.H. (inch)	O.A. Height (feet)	Canopy Diameter (feet)	Condition		Notes	Disposition	Mitigation Credits Required
Iden.	Symbol	Scientific Name	Common Name								
#1	RRE	<i>Roystonea regia</i>	Royal Palm	24	55	15				Relocate	N/A
#2	LCH	<i>Livistonia chinensis</i>	Chinese Palm	18	25	10				Remove	(1) TREE
#3							Does not exist				
#4	BNO	<i>Bismarckia nobilis</i>	Bismarck Palm	36	50	15				Remove	(1) TREE
#5	DRE	<i>Dracaena reflexa</i>	Pleomele	36	20	10			Verify D.B.H.	Remove	36
#6	PSA	<i>Pseudophoenix sargentii</i>	Buccaneer Palm	10	10	5			Mitigation not required; Specs do not meet min. requirements	Relocate	N/A
#7	RRE	<i>Roystonea regia</i>	Royal Palm	24	50	15				Relocate	N/A
#8	RRE	<i>Roystonea regia</i>	Royal Palm	24	50	15				Relocate	N/A
#9	PRO	<i>Phoenix roebelenii</i>	Pygmy Date Palm	26	15	15			Palm height is below 16'	Remove	N/A
#10	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	12	25	10				Remove	(1) TREE
#11	RRE	<i>Roystonea regia</i>	Royal Palm	24	50	15				Relocate	N/A
#12	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	8	6	5			Mitigation not required; Specs do not meet min. requirements	Remove	N/A
#13	SRO	<i>Syagrus romanzoffiana</i>	Queen Palm	12	20	10				Remove	(1) TREE
#14	PRO	<i>Phoenix roebelenii</i>	Pygmy Date Palm	8	10	5				Remove	
#15	CGU	<i>Clusia guttifera</i>	Small Lead Clusia	8	10	5			Mitigation not required; Specs do not meet min. requirements	Remove	
#16	OS-CGU	<i>Clusia guttifera</i>	Small Lead Clusia	8	10	5				Remove	
#17	OS-CGU	<i>Clusia guttifera</i>	Small Lead Clusia	8	10	5				Remove	
#18	OS-CGU	<i>Clusia guttifera</i>	Small Lead Clusia	8	10	5				Remove	
#19	OS-CGU	<i>Clusia guttifera</i>	Small Lead Clusia	8	10	5				Remove	
#20	RRE	<i>Roystonea regia</i>	Royal Palm	12	50	15				Relocate	N/A
#21	RRE	<i>Roystonea regia</i>	Royal Palm	12	50	15				Relocate	N/A
#22	RRE	<i>Roystonea regia</i>	Royal Palm	24	50	15				Relocate	N/A
#23	FBE	<i>Ficus benjamina</i>	Weeping Fig	24	25	15			To be verified	Remove	24
#24	PRO	<i>Phoenix roebelenii</i>	Pygmy Date Palm	36	15	15			Mitigation not required; Specs do not meet min. requirements	Remove	N/A
#25	MN	<i>Mangifera indica</i>	Mango Tree	36	35	5				Remove	36
#26	CNU	<i>Cocos nucifera</i>	Coconut Palm	36	30	15			To be verified	Relocate	N/A
#27	CSP	<i>Pseudophoenix sargentii</i>	Buccaneer Palm	8	6	5			Mitigation not required; Specs do not meet min. requirements	Relocate	N/A
#28	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	8	30	10			Survey listed wrong palm (Chrysalidocarpus lutescens)	Remove	(1) Tree
#29	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	8	30	10			Survey listed wrong palm (Chrysalidocarpus lutescens)	Remove	(1) Tree
#30	BNO	<i>Bismarckia nobilis</i>	Bismarck Palm	30	15	20				Remove	(1) Tree
#31	AME	<i>Adonidia merrillii</i>	Xmas Palm	10	20	10			Survey listed wrong palm (Cocos nucifera)	Remove	(1) Tree
#32	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	24	25	12			Survey listed wrong palm (Chrysalidocarpus lutescens)	Remove	(1) Tree
#33	CNU	<i>Cocos nucifera</i>	Coconut Palm	15	30	20				Relocate	N/A
#34	CNU	<i>Cocos nucifera</i>	Coconut Palm	15	30	20				Relocate	N/A
#35	VSP	<i>Veitchia sp.</i>	Kajewskia Palm	17	25	12				Remove	(1) Tree
#36	ARU	<i>Acer rubrum</i>	Red Maple	10	15	10				Remove	10
#37	RRE	<i>Roystonea regia</i>	Royal Palm	18	30	10				Relocate	N/A
#38	OS-QVI	<i>Quercus virginiana</i>	Live Oak	18	35	25				Relocate	N/A
#39	OS-QVI	<i>Quercus virginiana</i>	Live Oak	12	35	20				Relocate	N/A
#40	OS-QVI	<i>Quercus virginiana</i>	Live Oak	12	35	20				Relocate	N/A
#41	CM	<i>Caryota mitis</i>	Fishtail Palm							Remove	
#42	CM	<i>Caryota mitis</i>	Fishtail Palm						Clustering palm; mitigation not required	Remove	
#43	CM	<i>Caryota mitis</i>	Fishtail Palm							Remove	
#44	RRE	<i>Roystonea regia</i>	Royal Palm	30	35	15				Relocate	N/A
#45	GJA	<i>Gardenia jasminoides</i>	Gardenia Bush	4	10	10			Mitigation not required; Specs do not meet min. requirements	Remove	N/A
#46	RRE	<i>Roystonea regia</i>	Royal Palm	30	30	15				Relocate	N/A
#47	GJA	<i>Gardenia jasminoides</i>	Gardenia Bush	4	10	10			Mitigation not required; Specs do not meet min. requirements	Remove	N/A
#48	RRE	<i>Roystonea regia</i>	Royal Palm	30	30	15				Relocate	N/A
#49	RRE	<i>Roystonea regia</i>	Royal Palm	30	35	15				Relocate	N/A
#50	AME	<i>Adonidia merrillii</i>	Christmas Palm	30	20	10			Survey listed wrong palm (Chrysalidocarpus lutescens)	Remove	(1) Tree
#51	AME	<i>Adonidia merrillii</i>	Christmas Palm	30	20	10			Survey listed wrong palm (Chrysalidocarpus lutescens)	Remove	(1) Tree
#52	AME	<i>Adonidia merrillii</i>	Christmas Palm	30	20	10			Survey listed wrong palm (Chrysalidocarpus lutescens)	Remove	(1) Tree
#53	RRE	<i>Roystonea regia</i>	Royal Palm	30	35	15				Relocate	N/A
#54	RRE	<i>Roystonea regia</i>	Royal Palm	30	35	15				Relocate	N/A
#55	GJA	<i>Gardenia jasminoides</i>	Gardenia Bush	4	10	10			Mitigation not required; Specs do not meet min. requirements	Remove	N/A
#56	RRE	<i>Roystonea regia</i>	Royal Palm	30	30	15				Relocate	N/A
#57	GJA	<i>Gardenia jasminoides</i>	Gardenia Bush	4	10	10			Mitigation not required; Specs do not meet min. requirements	Remove	N/A
#58	RRE	<i>Roystonea regia</i>	Royal Palm	30	35	15				Relocate	N/A
#59	CM	<i>Caryota mitis</i>	Fishtail Palm							Remove	
#60	CM	<i>Caryota mitis</i>	Fishtail Palm						Clustering palm; mitigation not required	Remove	
#61	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm							Remove	(1) Tree
#62	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm						Survey listed wrong palm (Chrysalidocarpus lutescens)	Remove	(1) Tree
#63	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm							Remove	(1) Tree
#64	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm							Remove	(1) Tree
#65	BBU	<i>Bucida buceras</i>	Black Olive Tree	20	35	10				Remove	20
#66			Does not exist								N/A
#67	PEL	<i>Ptychosperma elegans</i>	Solitaire Palm	18	20	10			Survey listed wrong palm (Chrysalidocarpus lutescens)	Remove	(1) Tree
#68	BBU	<i>Bucida buceras</i>	Black Olive Tree	20	35	10				Remove	20
#69	CNU	<i>Cocos nucifera</i>	Coconut Palm	12	25	10				Relocate	N/A
#70	CNU	<i>Cocos nucifera</i>	Coconut Palm	12	20	10				Relocate	N/A
#71	CNU	<i>Cocos nucifera</i>	Coconut Palm	12	20	10				Relocate	N/A
#72	CNU	<i>Cocos nucifera</i>	Coconut Palm	12	20	10				Relocate	N/A
#73	CNU	<i>Cocos nucifera</i>	Coconut Palm	12	25	10				Relocate	N/A
#74	WME	<i>Washington mexicana</i>	Fan Palm	8	20	10			Survey listed wrong palm (Livistonia chinensis)	Remove	(1) Tree
#75	WME	<i>Washington mexicana</i>	Fan Palm	15	20	10			Survey listed wrong palm (Sabal palmetto)	Remove	(1) Tree
#76	WME	<i>Washington mexicana</i>	Fan Palm	15	20	10			Survey listed wrong palm (Sabal palmetto)	Remove	(1) Tree
#77	WME	<i>Washington mexicana</i>	Fan Palm	15	20	10			Survey listed wrong palm (Sabal palmetto)	Remove	(1) Tree
#78	WME	<i>Washington mexicana</i>	Fan Palm	15	20	10			Survey listed wrong palm (Sabal palmetto)	Remove	(1) Tree
#79	CNU	<i>Cocos nucifera</i>	Coconut Palm	12	25	10				Relocate	N/A
#80	CNU	<i>Cocos nucifera</i>	Coconut Palm	12	25	10				Relocate	N/A
#81	CNU	<i>Cocos nucifera</i>	Coconut Palm	12	30	10				Relocate	N/A
#82	CNU	<i>Cocos nucifera</i>	Coconut Palm	12	25	10				Relocate	N/A
#83	BNO	<i>Bismarckia nobilis</i>	Bismarck Palm	36	50	15				Remove	(1) Tree
Total Tree D.B.H. Removed Requiring Mitigation (inches)											146
Total Palms Removed Requiring Mitigation											24

6020-6050 NORTH BAY ROAD, MIAMI BEACH, FL 33140							
EXISTING TREE AND PALM DISPOSITION ANALYSIS							
EXISTING TREES							
Total # of Existing Trees:	8	To remain:	0	To be relocated:	3	To be removed:	5
EXISTING PALMS							
Total # of Existing Palms:	52	To remain:	0	To be relocated:	28	To be removed:	24

TREE REPLACEMENT CHART

TREE REPLACEMENT CHART						EXPAND
Total diameter of tree(s) to be removed (sum of inches at DBH)	Total number of replacement trees required (where each replacement tree is a minimum of 2" DBH x 6' spread in canopy x 12' in height)	OR	Total number of replacement trees required (where each replacement tree is a minimum of 4" DBH x 8' spread in canopy x 16' in height)	OR	Contribution to Tree Trust Fund	
2"—3"	1	or	0	or	\$1,000.00	
4"—6"	2	or	1	or	\$2,000.00	
7"—12"	4	or	2	or	\$4,000.00	
13"—18"	6	or	3	or	\$6,000.00	
19"—24"	8	or	4	or	\$8,000.00	
25"—30"	10	or	5	or	\$10,000.00	
31"—36"	12	or	6	or	\$12,000.00	
37"—42"	14	or	7	or	\$14,000.00	
43"—48" (2X)	16	or	8	or	\$16,000.00	
49"—60"	20	or	10	or	\$20,000.00	

- (a) If the sum of the diameter of trees to be removed exceeds a total of 60 inches, the additional inches shall be added cumulatively from the top of the chart, down to the bottom of the chart, to calculate the number of trees required as replacement trees.
- (b) Up to 30 percent of the two-inch DBH replacement tree requirement may be met by planting native species within private property, with a minimum height of ten feet and a minimum DBH of one and one-half inches at time of planting.
- (c) The removal of a palm shall be replaced with one canopy tree at 12 feet overall height with a two-inch DBH.

6020-6050 North Bay Road Garden Mitigation Chart	
Miami Beach, Fl. 9-Jun-23	
Mitigation Chart	
Total Tree D.B.H. Removed Requiring Mitigation	146 inches (46 trees @ 12' HT. x 6' SPR.) or (23 trees @ 16' HT. x 8' SPR.)
Proposed Trees with 12' HT. x 6' SPR.; 2" D.B.H. (minimum)	40 (refer to 'UnderstoryTrees' category in plant list) minus 24 (Palm Mitigation 1:1) = 16
Proposed Trees with 16' HT. x 8' SPR.; 4" D.B.H. (minimum)	17 (refer to 'Canopy Trees' category in plant list)
Proposed Native Trees with 10' HT. and 1.5" D.B.H. (minimum)	4 (refer to 'Understory Trees' category)

6020-6050 North Bay Road Garden Tree Replacement / Mitigation List	
Miami Beach, Fl.	
Tree Replacement / Mitigation List	
Replacement Mitigation Trees (16' HT. x 8' SPR.; 4" DBH. (minimum specifications)	17
(3) Strangler Fig, (2) Golden Trumpet Tree, (1) Floss Silk Tree, (11) Autograph Tree	
Replacement / Mitigation Trees (12' HT.; 2" DBH. (minimum specifications)	41
(11) Cinnamon Bark, (5) Redberry Stopper, (9) Spanish Stopper, (15) Bay Rum (1) Brazilian Raintree	
Replacement / Mitigation Native Trees (10' HT.; 1.5" DBH. (minimum specifications)	4
(4) Red Stopper	

6020-6050 N. BAY ROAD

TREE DISPOSITION
SCHEDULE

NOT TO SCALE
07/10/23 L.021
DRB FINAL SUBMITTAL



TREE / PALM PROTECTION NOTES

1. CONTRACTOR QUALIFICATIONS

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

2. CONTRACTOR REQUIREMENTS

- 2.1. CONTRACTOR MUST VISIT THE JOBSITE AND INSPECT ALL TREES AND PALMS TO BE RELOCATED AS WELL AS EXISTING SITE CONDITIONS AND RESTRICTIONS PRIOR TO PREPARING BID.
2.2. CONTRACTOR MUST VERIFY AND ENSURE THAT ALL TREES AND PALMS IDENTIFIED ON THE PLANS AND THOSE TAGGED ON THE JOBSITE CORRESPOND AS TO NUMBER AND DESCRIPTION. ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY, PRIOR TO PREPARING BID.
2.3. 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 AND/OR LANDSCAPE ARCHITECT.
2.4. CONTRACTOR MUST DESIGNATE A COMPETENT, ENGLISH-SPEAKING SUPERVISOR OR FOREMAN TO OVERSEE AND DIRECT ALL RELOCATION AND MAINTENANCE ACTIVITIES AS OUTLINED IN THESE SPECIFICATIONS.
2.5. CONTRACTOR MUST SCHEDULE ROOT PRUNING TO PROVIDE THE MAXIMUM POSSIBLE TIME FOR NEW 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.
2.6. 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.
2.7. 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.
2.8. 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 GRADE OR ELEVATION, ACCORDING TO THE GRADING PLAN.
2.11. CONTRACTOR MUST ENSURE THAT ALL ROOT FLARES ARE EXPOSED AFTER RELOCATION.
2.12. CONTRACTOR MUST REMOVE 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 CONSTRUCTION WITHIN THE RELOCATION AREA AT CONTRACTOR'S EXPENSE. HARDSCAPES INCLUDE BUT ARE NOT LIMITED TO CURBS, WALKS, ROADS, FENCES, SITE FURNISHINGS, ETC.
2.14. CONTRACTOR MUST PHOTOGRAPHICALLY DOCUMENT NEW ROOT GROWTH FOLLOWING EACH ROOT PRUNE AND SUBMIT THIS DOCUMENTATION TO THE LANDSCAPE ARCHITECT. THE PURPOSE OF THIS REQUIREMENT IS TO ENSURE THAT SUFFICIENT ROOT GROWTH HAS OCCURRED PRIOR TO THE SECOND AND SUBSEQUENT ROOT PRUNES AND FOLLOWING THE FINAL ROOT PRUNE PRIOR TO RELOCATION.
2.15. 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 CONSIST OF GALVANIZED WELDED WIRE FABRIC OR PLASTIC MESH ATTACHED TO 4" X 4" POSTS INSTALLED AROUND THE PERIMETER OF THE DRIPLINE OF THE TREE OR PALM. PROTECTION FENCING MUST BE PLUMB, TAUT, AND STURDY AT ALL TIMES AND MUST REMAIN IN PLACE THROUGHOUT THE ROOT PRUNING AND WARRANTY PERIODS, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.
2.16. CONTRACTOR MUST OBTAIN ALL NECESSARY OR REQUIRED PERMITS FOR THE RELOCATION AND TRANSPORTATION OF THE TREES AND PALMS TO BE RELOCATED.
2.17. CONTRACTOR MUST REPLACE ANY TREES OR PALMS SCARRED OR DAMAGED DURING RELOCATION, AT THE CONTRACTOR'S EXPENSE, WITH THE SAME OR SIMILAR SPECIES, SIZE, AND QUALITY. REPLACEMENT TREES OR PALMS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PROCUREMENT AND PREPARATION FOR INSTALLATION. REPLACEMENT TREES AND PALMS MUST BE INSTALLED WITHIN 60 DAYS OF NOTICE.
2.18. CONTRACTOR MUST GUARANTEE ALL RELOCATED TREES AND PALMS FOR ONE YEAR FROM THE DATE OF RELOCATION TO THE FINAL LOCATION. GUARANTEE MUST INCLUDE TREE HEALTH AND SETTLING.
2.19. CONTRACTOR MUST PROVIDE ALL MATERIAL NECESSARY TO PERFORM THE WORK COVERED HEREIN, INCLUDING BUT NOT LIMITED TO BACKFILL MATERIAL, PROTECTION FENCING, FLAGGING, ADDITIVES AND SUPPLEMENTS, TEMPORARY IRRIGATION, BURLAP, WIRE, SHRINK WRAP, AND ALL NECESSARY TOOLS AND EQUIPMENT.

3. ROOT PRUNING SPECIFICATIONS

3.1. GENERAL

- 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 IRRIGATION 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. NO TREES OR PALMS MAY BE "STOCKPILED" ONSITE OR OFFSITE FOR ANY PERIOD OF TIME WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT. WHEN ALLOWED, APPROVAL FOR THE METHOD OF "STOCKPILING" MUST BE OBTAINED FROM THE LANDSCAPE ARCHITECT.
3.1.4. ALL DIGGING IN THE ROOT ZONE 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.
3.1.5. MYCORRHIZA (ROOTS® TRANSPLANT OR EQUIVALENT) MUST BE INCORPORATED 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 TRENCH BACKFILLED WITH ORIGINAL EXCAVATED SOIL. A TREE RING WITH A MINIMUM HEIGHT OF 6" MUST BE CONSTRUCTED 6-12" OUTSIDE THE OUTERMOST EDGE OF THE ROOTBALL AND AROUND THE ENTIRE PERIMETER OF THE ROOTBALL TO DIRECT IRRIGATION 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. TREES

- 3.2.1. PRIOR TO ANY ROOTS BEING CUT, ALL MAJOR ROOTS MUST BE IDENTIFIED TO DETERMINE THE ROOTBALL DIAMETER BASED ON THE RELATIVE LOCATION AND SIZE OF THE ROOTS.
3.2.2. MANY TREE RELOCATION SPECIFICATIONS USE "GENERAL 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 9"-12" OF ROOTBALL FOR 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 (inches)	MIN. ROOTBALL DIA. (feet)	CALIPER (inches)	MIN. ROOTBALL 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 THE INITIAL ROOT INSPECTION.

- 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 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 6 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 MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVIDENT (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 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 12 WEEKS LATER, AND A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 6 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVIDENT (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.
3.2.7. CERTAIN HARDWOOD TREES AND GYMNOSPERMS REQUIRE LONGER ROOT PRUNING TIMES. THESE INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
 - AVOCADO (PERSEA AMERICANA)
 - BLACK OLIVE (BUCIDIA BUCERAS)
 - BRIDALVEIL (CAESALPINIA GRANADILLO)
 - CASSIAS (ALL SPECIES OF CASSIA)
 - LIGNUM VITAE (GUAIACUM SANCTUM & G. OFFICINALE)
 - PODOCARPUS (PODOCARPUS SP.)
 - LIVE OAK (QUERCUS VIRGINIANA)
 - MAHOGANY (SWIETENIA MAHAGONI)
 - MANGO (MANGIFERA INDICA)
 - PIGEON PLUM (COCOLOBA DIVERSIFOLIA)
 - SWEET ACACIA (ACACIA FARNESIANA)
 - VERAWOOD (BULNESIA ARBOREA)
 - WILD TAMARIND (LYSILOMA LATSIUQUAM & L. SABICU)

FOR THESE TREES, THE MINIMUM ROOT PRUNE TIMES DISCUSSED IN SECTIONS 3.2.5 AND 3.2.6 ABOVE MAY BE INSUFFICIENT. 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 PRUNE 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	ROOTBALL SPECIFICATIONS
SABAL / CABBAGE PALM	36" diameter
QUEEN & FOXTAIL PALMS	12" from trunk in all directions
ROYAL & COCONUT PALMS	18" - 24" from trunk in all directions
CANARY DATE PALM	24" from trunk in all directions
SLOW-GROWING PALMS	24" from trunk in all directions

(see sec. 3.3.4)
3.3.2. PALM ROOTBALLS MUST BE A MINIMUM OF 24" DEEP. WHENEVER POSSIBLE, ROOTBALLS MUST BE CIRCULAR IN SHAPE WITH AN EQUAL DISTANCE FROM THE TRUNK TO THE EDGE OF THE ROOTBALL ALL AROUND..
3.3.3. 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 HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVIDENT (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.
3.3.4. 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 ARCHONTOPHENIX
 - ALL SPECIES OF CORYPHA
 - AMERICAN OIL PALMS (ALL SPECIES OF ATTALEA)
 - BISMARCK PALM (BISMARCKIA NOBILIS)
 - CUBAN & CARIBBEAN COPERNICIA
 - CUBAN BELLY PALM (GASTROCOCOS CRISPA)
 - GINGERBREAD/DOUM PALMS (ALL SPECIES OF HYPHAENE)
 - PALMYRA PALMS (ALL SPECIES OF BORASSUS)
 - SATAKE PALM (SATAKENTIA LIUKUENSIS)
 - SAW PALMETTO (SERENOA REPENS)
 - SILVER PALM (COCOCHTHINAX 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 PRUNE PROCESS).

4. CANOPY PRUNING SPECIFICATIONS

4.1. TREES

- 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. PALMS

- 4.2.1. IT IS WELL KNOWN THAT SOME PALMS SURVIVE RELOCATION BETTER WHEN ALL OF THE LEAVES ARE REMOVED (E.G. CABBAGE PALM, SABAL PALMETTO), AND THAT OTHER PALMS BENEFIT FROM HAVING THEIR LEAVES CUT IN HALF DURING RELOCATION (E.G. COCONUT PALM, COCOS NUCIFERA). BOTH OF THESE HORTICULTURAL PRACTICES, WHILE TRUE, ARE ONLY APPLICABLE WHEN PALMS ARE NOT ROOT PRUNED. 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.

5. 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 ANY RELOCATION TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.
5.1.3. ALL ROOTBALLS MUST BE WRAPPED IN BURLAP 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 ROOTBALL, SUCH THAT THE ROOTS REMAIN INTACT. ROOTBALLS COMING FROM SAND OR SANDY SOIL MAY ALSO NEED TO BE BOXED PRIOR TO RELOCATION, AT THE 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 SHRINK WRAP ON THE OUTSIDE OF THE WIRE WRAP, AND THE ENTIRE TREE OR PALM (INCLUDING CANOPY, TRUNK, AND ROOTBALL) MUST BE COVERED WITH A BREATHABLE TARP (E.G. SHADE CLOTH) DURING TRANSPORT.
5.1.5. NEW PLANTING PITS FOR RELOCATED TREES AND PALMS MUST BE PREPARED PRIOR TO LIFTING THE PALM OR TREE FROM ITS 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 IS AT OR SLIGHTLY ABOVE (NO MORE THAN 2" HIGHER) FINAL 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 30-80 LAYERS (DEPENDS 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 UNCLT ROOTS UNDER OR AROUND THE ROOTBALL THAT MAY YET REMAIN MUST BE IMMEDIATELY SEVERED WITH HAND PRUNING TOOLS TO MINIMIZE TEARING AND ROOT 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 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 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 PROVIDE SUFFICIENT BRACING STRENGTH TO PREVENT TOPPLING DURING WIND EVENTS. A SUFFICIENT NUMBER OF BATTENS MUST BE STRATEGICALLY PLACED AROUND THE TRUNK SUCH THAT THE STEEL BANDS NEVER CONTACT THE TRUNK. NO BURLAP IS TO REMAIN UNDER THE WOODEN BATTENS ON TREES DURING BRACING, BUT SEVERAL LAYERS OF BURLAP SHOULD BE LEFT UNDER THE WOODEN BATTENS WHEN BRACING PALMS. 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 EDGE OF THE ROOTBALL AND AROUND THE ENTIRE PERIMETER OF THE ROOTBALL TO DIRECT IRRIGATION WATER AND ANY SUPPLEMENTS THAT ARE ADDED DOWN INTO THE ROOTBALL DURING ROOT REGENERATION.
5.1.14. ONCE THE TREE RING IS CONSTRUCTED, A HIGH-PHOSPHORUS ROOT STIMULANT MUST BE LIBERALLY APPLIED TO THE SURFACE OF THE ROOTBALL AND THOROUGHLY WATERED IN.
5.1.15. 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 MORE 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" OVER THE ENTIRE TOP OF THE ROOTBALL FROM THE TREE RING TO WITHIN 6" OF THE TRUNK. MULCH MUST NOT BE APPLIED OR ALLOWED TO ACCUMULATE DIRECTLY AGAINST THE 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.
5.1.18. 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

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

6. MAINTENANCE SPECIFICATIONS

6.1. GENERAL

- 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.
6.1.3. WHENEVER POSSIBLE, EACH TREE AND PALM 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 25-50 GALLONS OF WATER FOR SMALL TREES AND PALMS, DEPENDING ON ROOTBALL SIZE, WHILE LARGE TREES WILL REQUIRE A MINIMUM OF 10 GALLONS PER FOOT OF ROOTBALL DIAMETER (I.E. A 10' DIAMETER ROOTBALL WILL REQUIRE A MINIMUM OF 100 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 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 ACCEPTANCE BY THE LANDSCAPE 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 DRENCH CONSISTING OF A SYSTEMIC INSECTICIDE AND A CONTACT ROOT 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 SURFACE 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-QUALITY, SLOW-RELEASE 15-2-15 GRANULAR 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.

6.4. PALMS

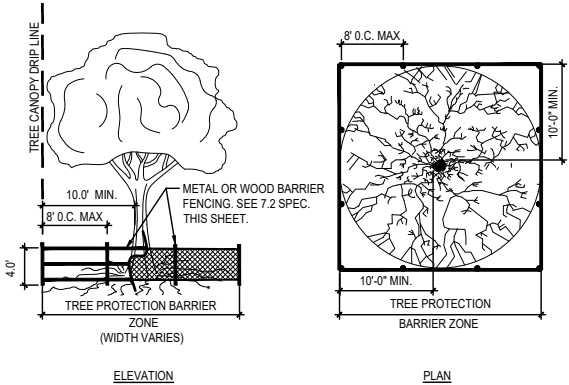
- 6.4.1. STRING MUST BE REMOVED FROM THE TIED UP LEAVES IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION IF THE PALM WAS ROOT PRUNED OR WITHIN 30-45 DAYS AFTER RELOCATION ON THE OCCASION THE LANDSCAPE ARCHITECT APPROVED RELOCATION WITHOUT ROOT PRUNING DUE TO TIME CONSTRAINTS.
6.4.2. IMMEDIATELY AFTER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

7. TREE PROTECTION SPECIFICATIONS

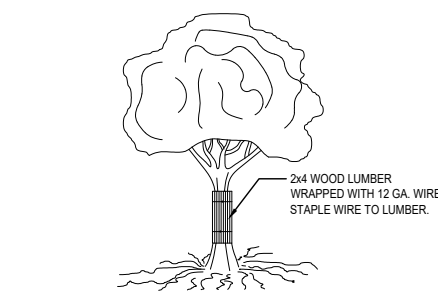
- 7.1. TREE PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING FOR ALL TREES / PALMS TO REMAIN OR BE RELOCATED.
7.2. FENCES SHOULD BE OF STURDY CONSTRUCTION. STURDY TEMPORARY BARRIERS SHALL BE INSTALLED AROUND ALL TREE PROTECTION ZONES. BARRIERS SHALL BE A MINIMUM 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 RAELS. 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 FORESTER.
7.4. NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL LIGHTING, ETC.

8. WARRANTY

- 8.1. ALL RELOCATED TREES AND PALMS MUST BE GUARANTEED FOR ONE YEAR FROM THE DATE OF RELOCATION TO THEIR FINAL LOCATIONS.
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 CONTRACTOR'S 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 DEPTH WITHIN THE 1-YEAR WARRANTY PERIOD, AS DEEMED BY THE LANDSCAPE ARCHITECT, IT MUST BE RAISED TO THE CORRECT GRADE AT CONTRACTOR'S EXPENSE.



1 TREE BARRICADE DETAIL
SCALE: N/A



2 TREE TRUNK PROTECTION DETAIL
SCALE: N/A

6020-6050 N. BAY ROAD

TREE DISPOSITION NOTES & DETAILS

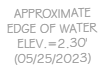
NOT TO SCALE

07/10/23

L.022

DRB FINAL SUBMITTAL





LEGEND

- PROPERTY LINE (thick dashed line)
- SETBACK (dashed line)
- ROOF OVERHANG (dashed line)
- OVERHEAD POWERLINE (line with cross-ticks)
- PROPOSED CONTOUR (solid line)
- DIRECTION OF SLOPE (arrow pointing right)

+ 00.00	PROPOSED SPOT ELEVATION
TS	TOP OF STEP
BS	BOTTOM OF STEP
TOW	TOP OF WALL
BOW	BOTTOM OF WALL
TOC	TOP OF CURB
WL	WATER LEVEL



GENERAL GRADING NOTES:

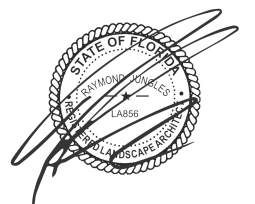
1. ALL SHALLOW RETENTION AREAS (SRA) SHALL BE GRADED GRADUALLY TO THE LOW POINT SPECIFIED ON THE PLAN. THESE AREAS WILL CATCH ON SITE WATER FOR PLANT MATERIAL, AS WELL AS CREATE THE FIRST BARRIER FOR INFILTRATION BEFORE ENTERING THE STORM WATER SYSTEM.
2. CONTRACTOR SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.
3. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
4. ALL SHRUBS AND GROUND COVER AREAS SHALL BE 2" BELOW FINISHED LEVEL OF ALL ADJACENT HARDSCAPE (TYPICAL).
5. ALL TURF AREAS SHALL BE FLUSH WITH ADJACENT HARDSCAPE AREAS TO ENSURE NO TRIPPING HAZARDS.
6. CONTRACTOR SHALL TEST PERCOLATION IN ALL SRA'S AND NOTIFY LANDSCAPE ARCHITECT AND CIVIL ENGINEER OF ANY ISSUES. CONTRACTOR SHALL BE RESPONSIBLE FOR PERCOLATION IN ALL AREAS.
7. CONTRACTOR SHALL MAINTAIN EROSION CONTROL THROUGHOUT THE CONSTRUCTION PROCESS. LANDSCAPE ARCHITECT TO APPROVE SITE CONDITIONS PRIOR TO REMOVAL OF THESE METHODS.
8. SURVEY INFORMATION PROVIDED CORRESPONDS TO SURVEY BY JOHN IBARRA AND ASSOCIATES DATED 05/25/2023. ALL EXISTING SPOT ELEVATIONS ARE REPRESENTED IN NGVD.
9. THIS DRAWING REPRESENTS AESTHETIC GRADING AND LANDSCAPE DRAINAGE ONLY. SEE ENGINEERING DRAWINGS FOR OVERALL SITE DRAINAGE AND GRADING. ALL BELOW GRADE CONNECTIONS AND/OR SYSTEM BY OTHERS.
10. ALL FINISH GRADING TO BE APPROVED BY LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO PLANTING.
11. CONTRACTOR SHALL MEET ALL EXISTING GRADES SMOOTHLY AND EVENLY.
12. ALL RAINWATER SHALL BE MAINTAINED WITHIN PRIVATE PROPERTY. CONTRACTOR SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE LANDSCAPE ARCHITECT.

6020-6050 N. BAY ROAD

GRADING PLAN

$$1/32'' = 1'-0''$$

07/10/23 L.300
DRB FINAL SUBMITTAL

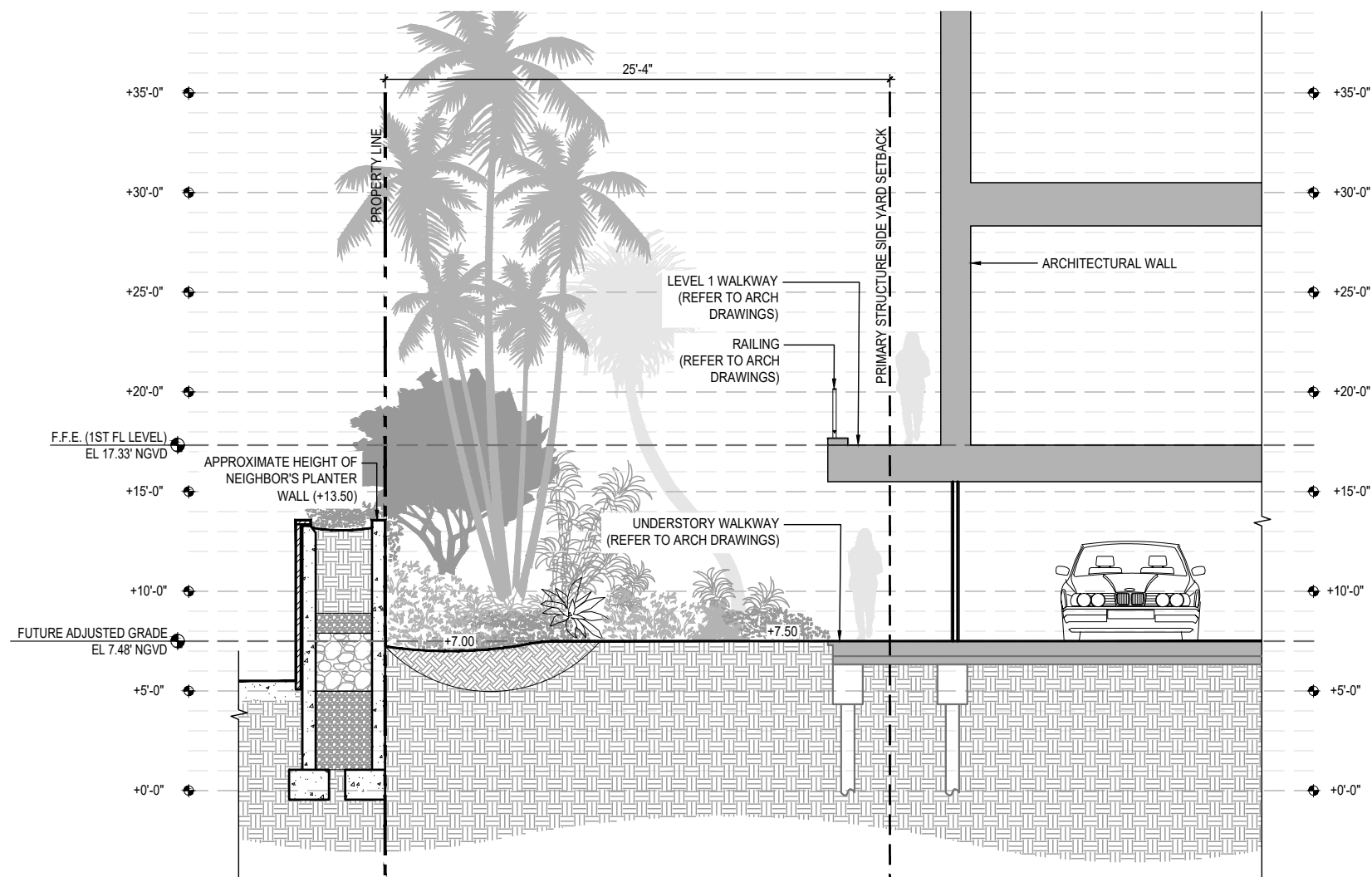


LANDSCAPE ARCHITECT
FLORIDA LICENSE
NO. LA0000856

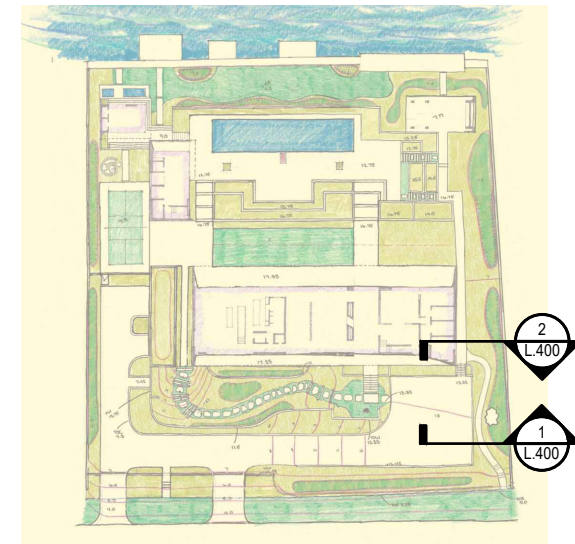
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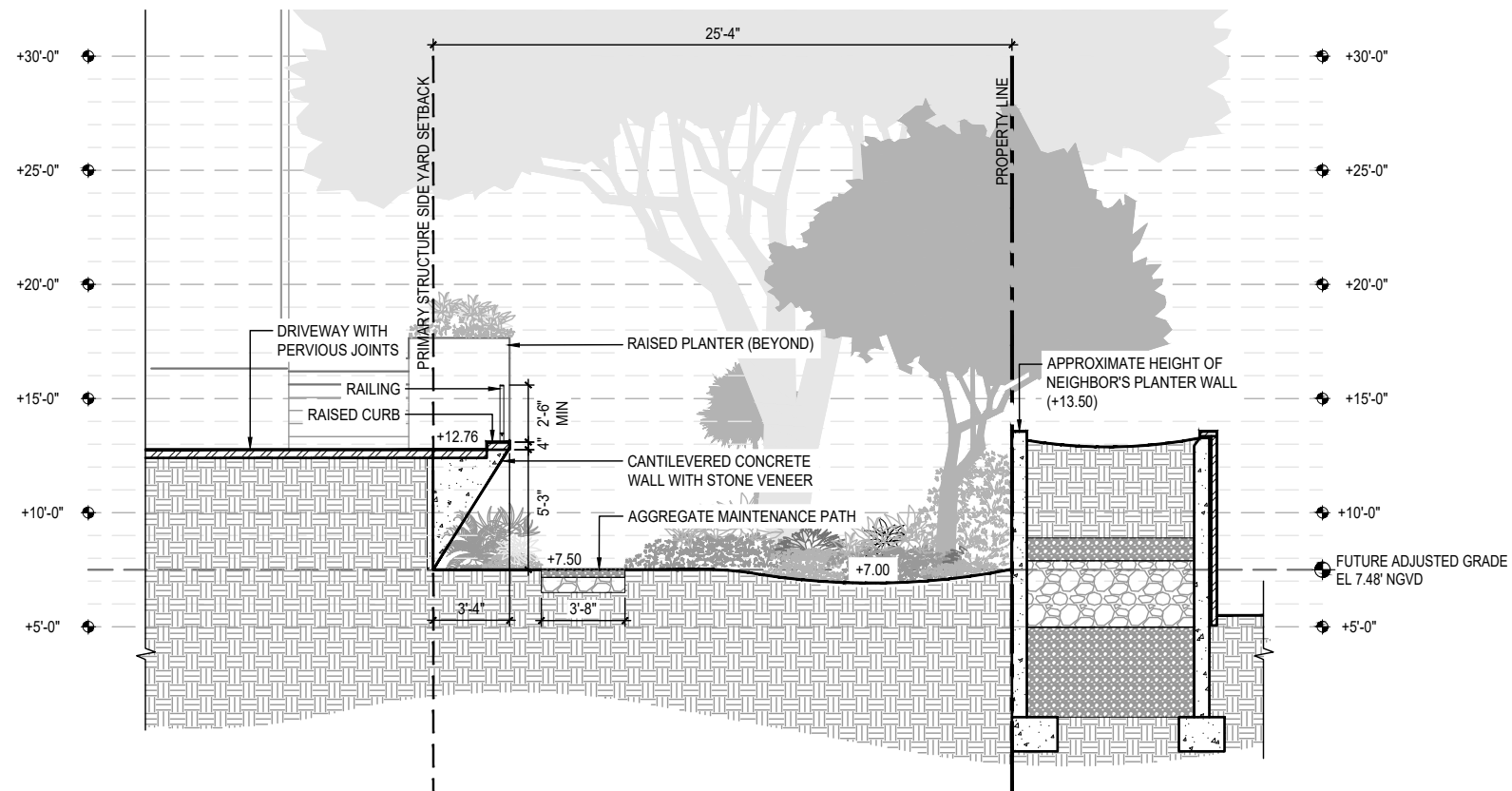
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2 ELEVATED WALKWAY & SIDEYARD SECTION
Scale: 1/8" = 1'-0"



KEY PLAN



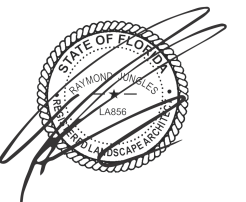
1 AUTOCOURT & SIDEYARD SECTION
Scale: 1/8" = 1'-0"

6020-6050 N. BAY ROAD

SITE SECTIONS &
ELEVATIONS

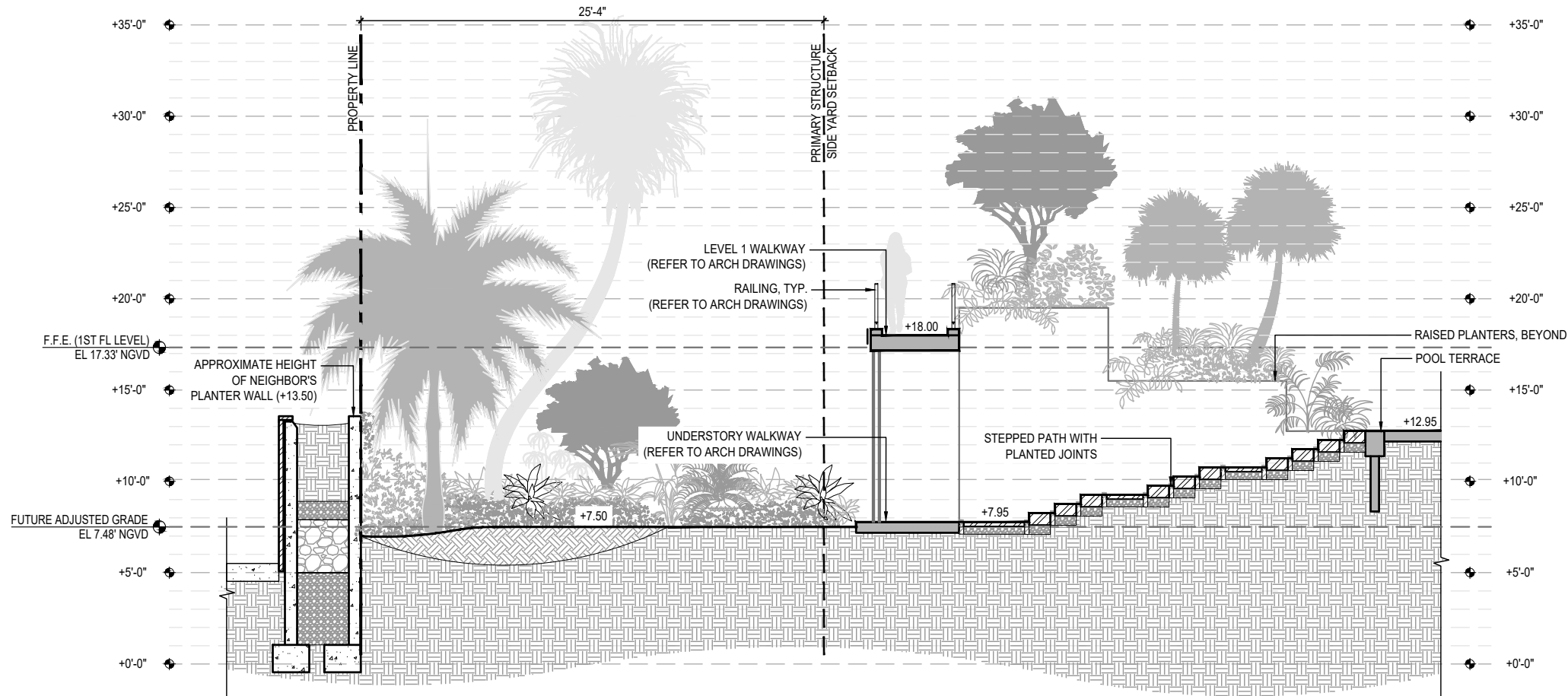
1/8" = 1'-0"

07/10/23 L.400
DRB FINAL SUBMITTAL

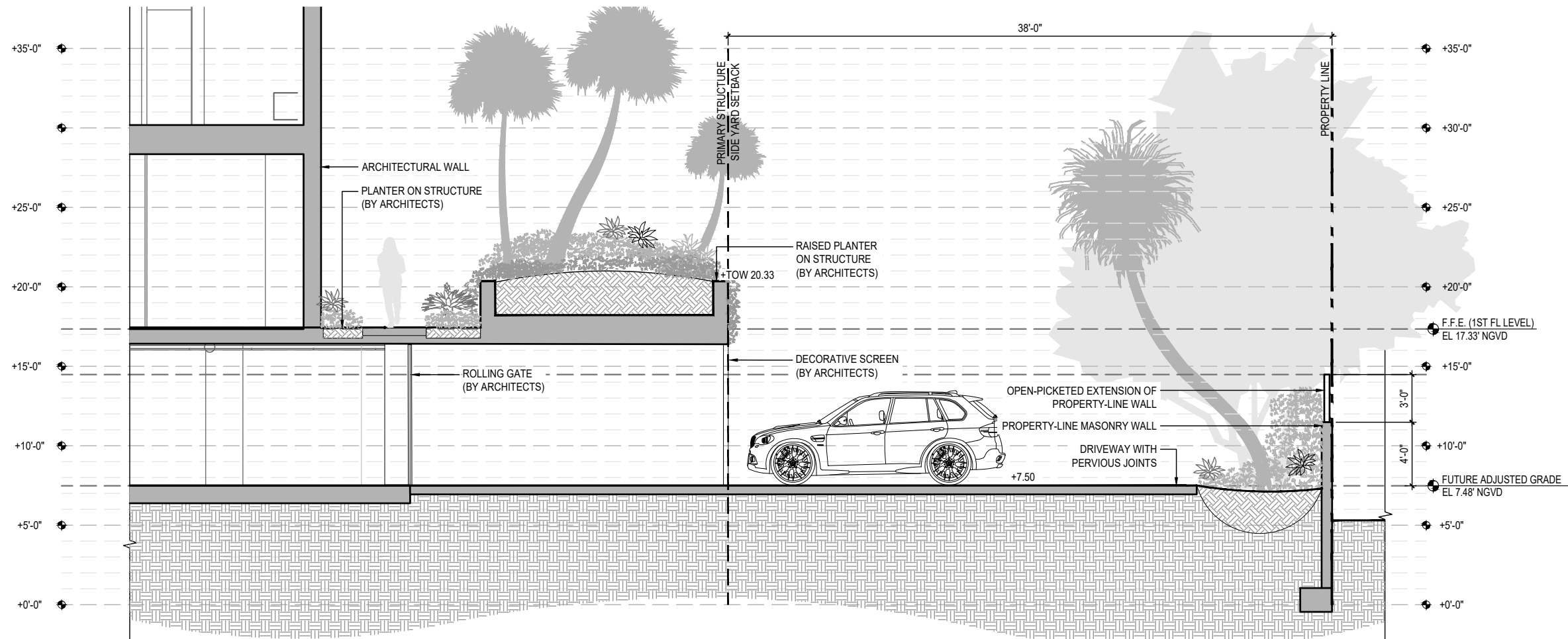


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NO. LA0000856

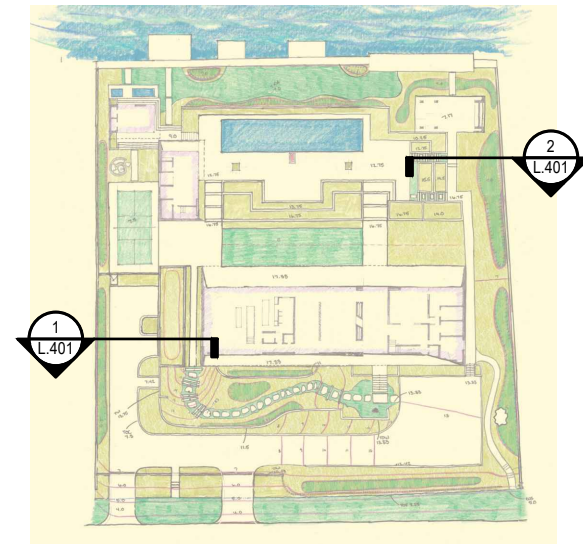
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2 STEPPED PATH & SIDEYARD SECTION
Scale: 1/8" = 1'-0"



1 DRIVEWAY & GARAGE SECTION
Scale: 1/8" = 1'-0"



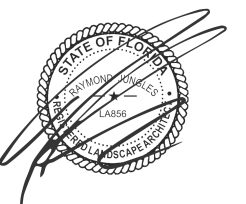
KEY PLAN

6020-6050 N. BAY ROAD

SITE SECTIONS &
ELEVATIONS

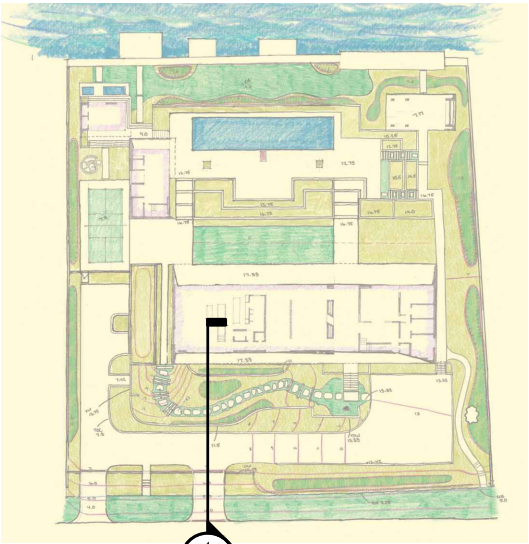
1/8" = 1'-0"

07/10/23 L.401
DRB FINAL SUBMITTAL



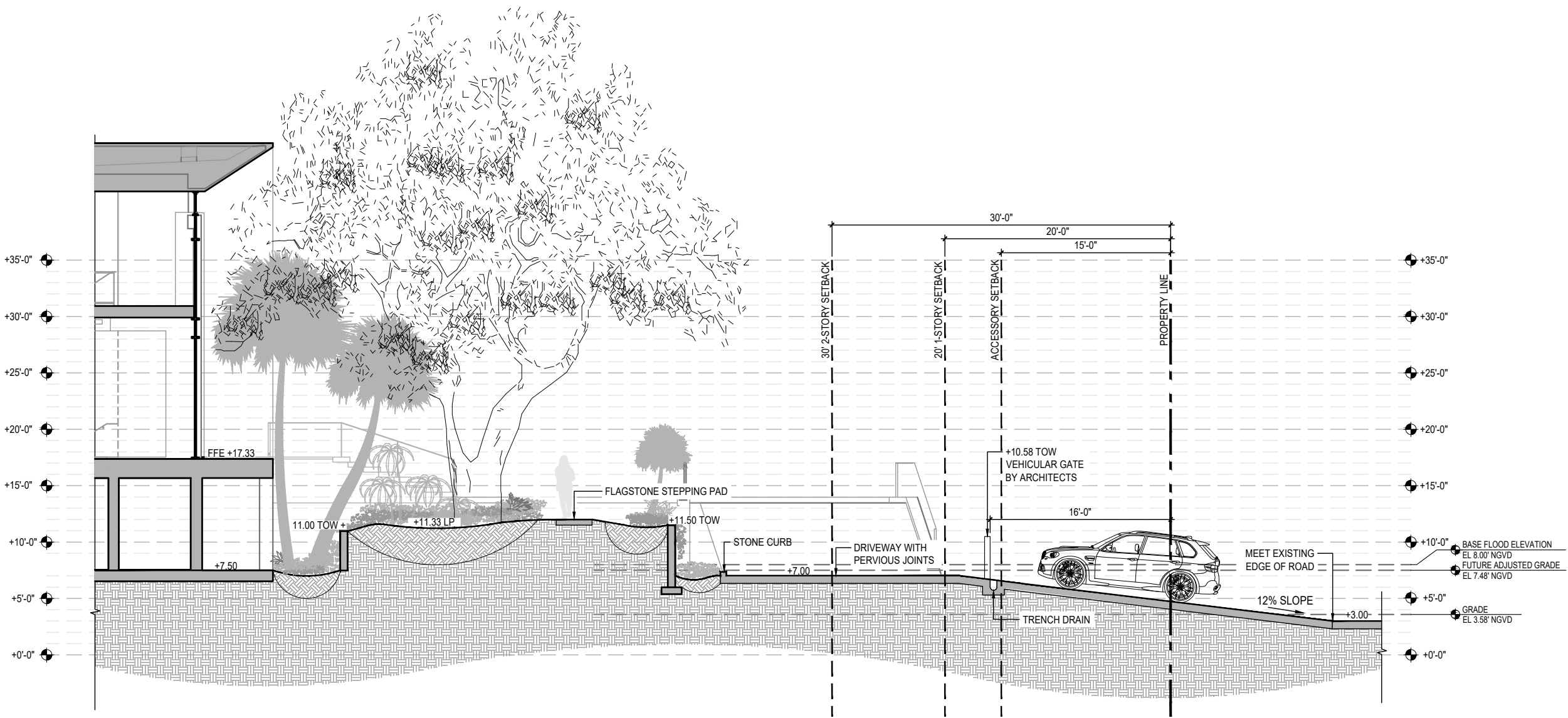
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KEY PLAN

1
L.402



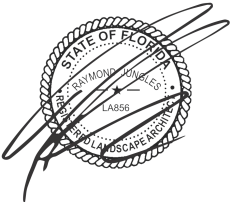
1 ENTRY DRIVE & GARDEN SECTION
Scale: 3/32" = 1'-0"

6020-6050 N. BAY ROAD

SITE SECTIONS
& ELEVATIONS

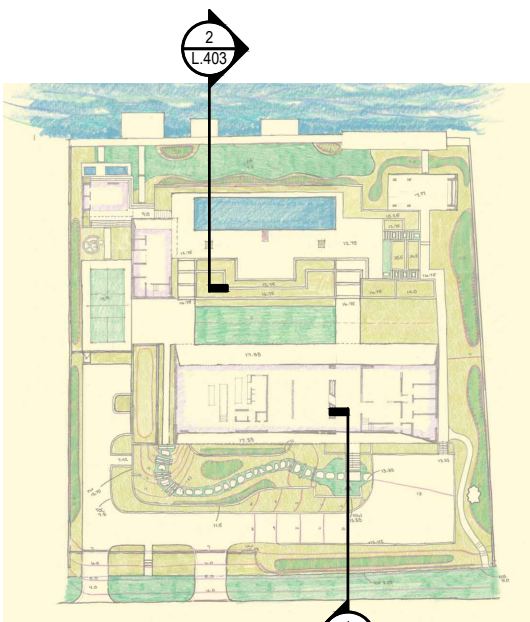
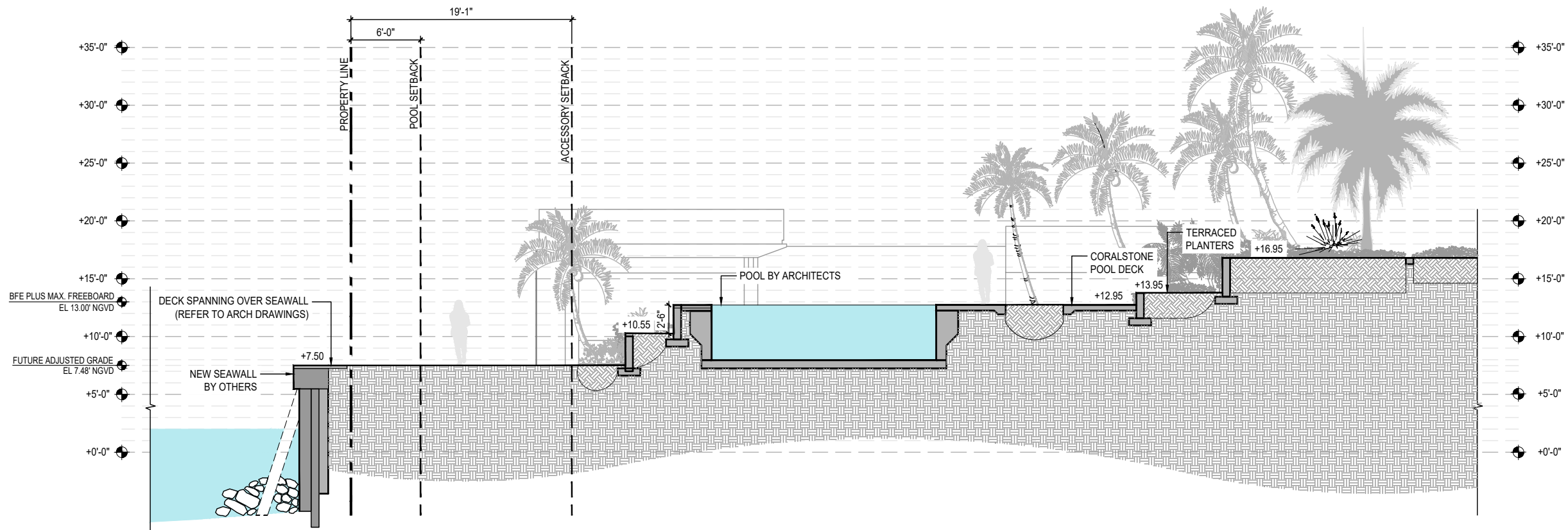
3/32" = 1'-0"

07/10/23 L.402
DRB FINAL SUBMITTAL



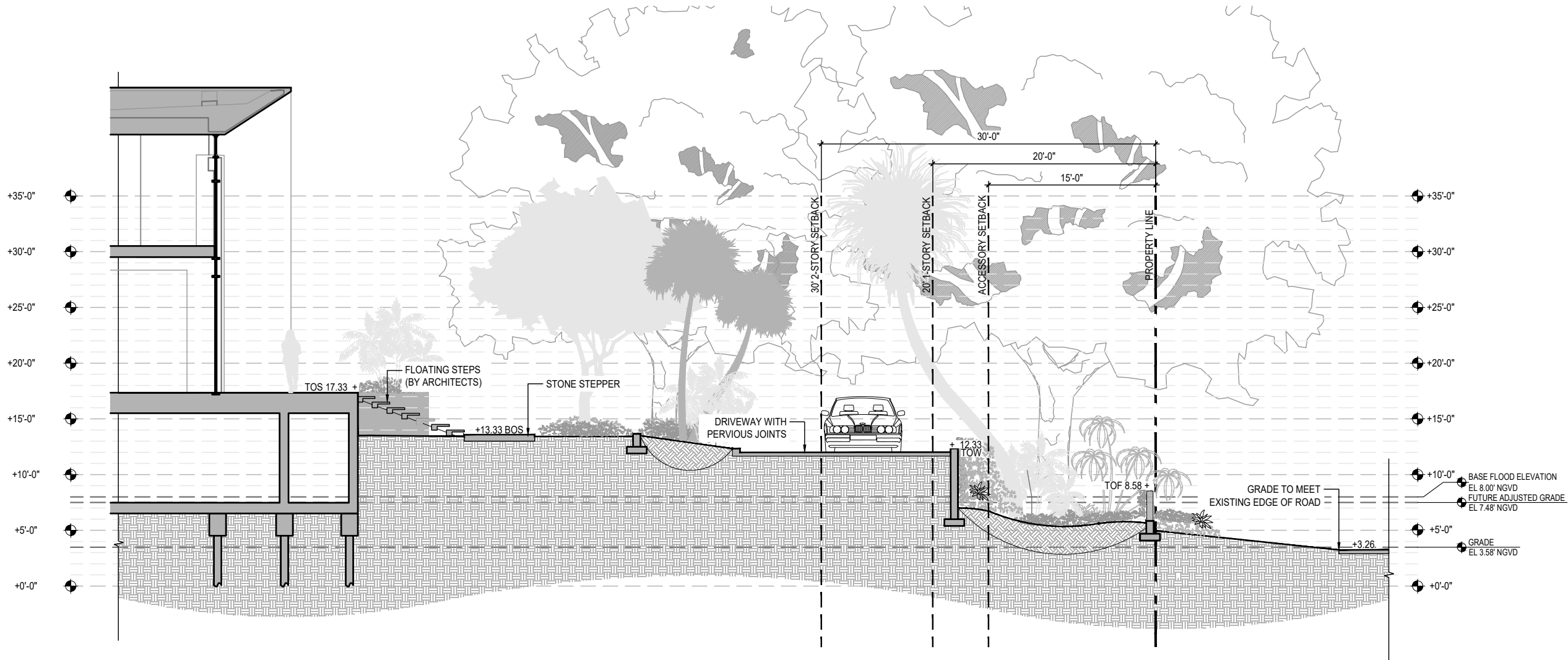
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KEY PLAN

2 POOL DECK TO SEAWALL SECTION
Scale: 3/32" = 1'-0"



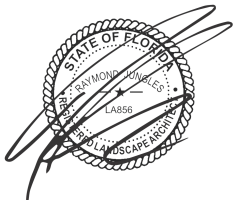
1 MAIN AXIS SECTION
Scale: 3/32" = 1'-0"

6020-6050 N. BAY ROAD

SITE SECTIONS
& ELEVATIONS

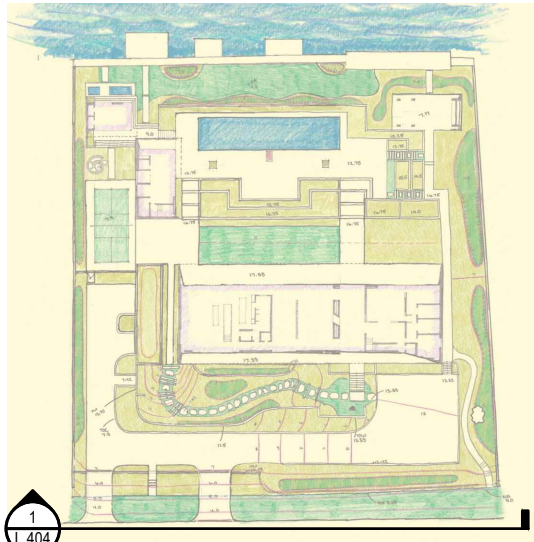
3/32" = 1'-0"

07/10/23 L.403
DRB FINAL SUBMITTAL



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KEY PLAN

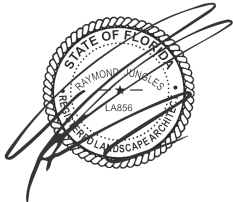


1 SOUTH ELEVATION
Scale: NOT TO SCALE

6020-6050 N. BAY ROAD

SITE SECTIONS
& ELEVATIONS

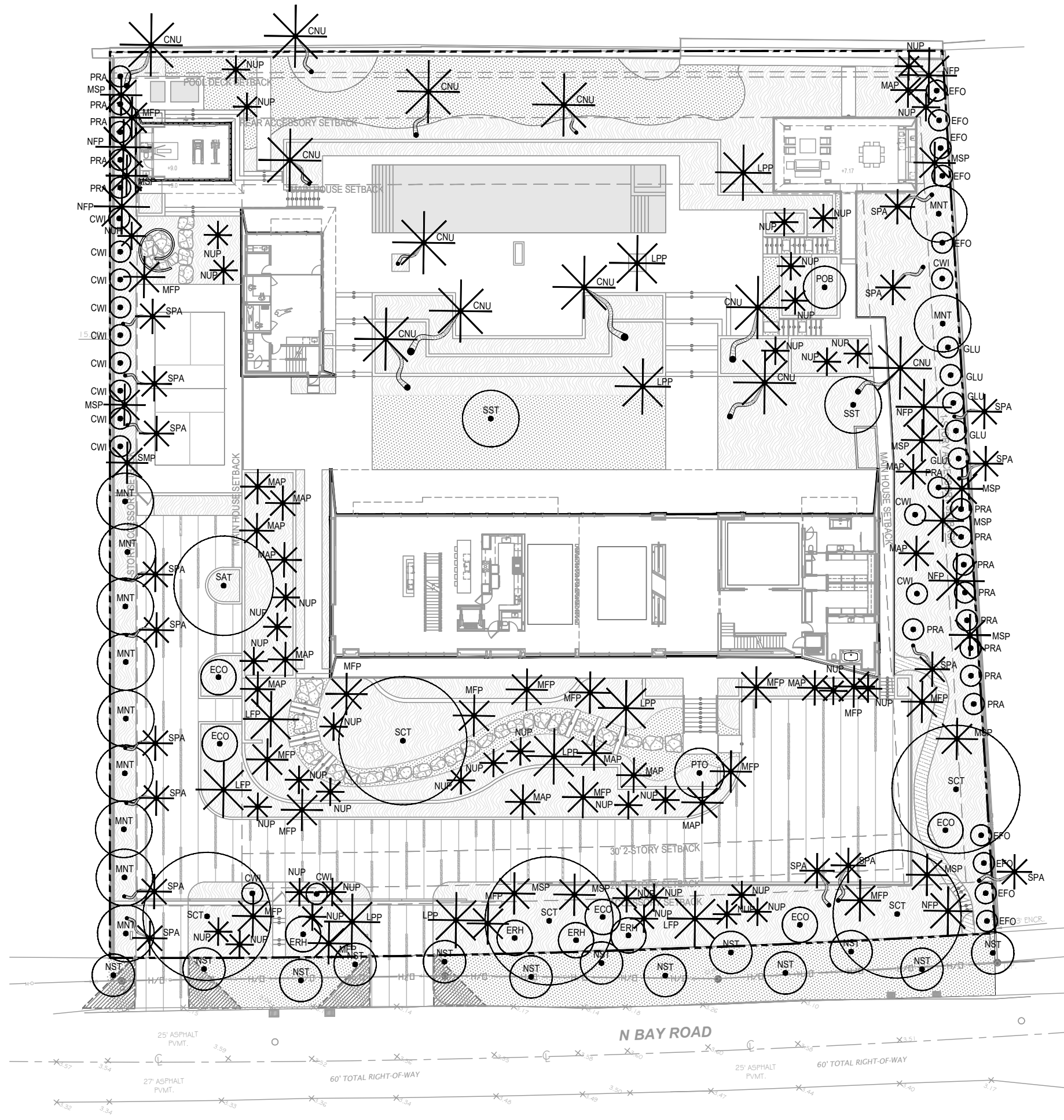
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07/10/23 L.404
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LEGEND	
	PROPERTY LINE
	SETBACK
	ROOF OVERHANG
	OVERHEAD POWERLINE

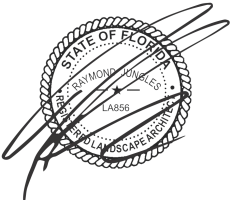
PROPOSED	
TREE	
PALM	
CHARACTER PALM	
RELOCATED	
ON-SITE TREES	N/A
ON -SITE PALMS	

- | GENERAL NOTES | |
|---------------|---|
| 1. | ALL QUANTITIES IN PLANT MATERIAL SHALL BE VERIFIED BY THE LANDSCAPE ARCHITECT UPON DELIVERY. ANY PLANT MATERIAL THAT IS NOT USED SHALL BE CREDITED BACK TO THE CLIENT OR PLACED ELSEWHERE ON SITE BY THE LANDSCAPE ARCHITECT. |
| 2. | CONTRACTOR SHALL STAKE ALL PROPOSED PLANTING BED LOCATION PER SITE PLAN AND CALL FOR INSPECTION BY THE LANDSCAPE ARCHITECT A MINIMUM OF 3 BUSINESS DAYS PRIOR TO INSTALLATION. |
| 3. | THE LANDSCAPE ARCHITECT SHALL RESERVE THE RIGHT TO REDIRECT THE POSITIONS AND QUANTITIES OF EACH INDIVIDUAL SPECIMEN. SUBSTITUTIONS AND LANDSCAPING MATERIAL POSITION CHANGES MAY ONLY BE MADE AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT, THE CITY URBAN FORESTER AND PLANNING STAFF. |
| 4. | MATERIAL PLANTED WITHOUT SPECIFIC DIRECTION FROM THE LANDSCAPE ARCHITECT SHALL BE REPLANTED AS DIRECTED AT NO ADDITIONAL COST TO THE CLIENT. |
| 5. | SUBSTITUTIONS MAY ONLY BE MADE AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT. |
| 6. | CONTRACTORS SHALL ADHERE TO PLANT SPECIFICATIONS AND DETAILS. |
| 7. | CONTRACTOR SHALL WARRANTY ALL PLANT MATERIAL FOR ONE YEAR MINIMUM FROM THE TIME OF SUBSTANTIAL COMPLETION. |
| 8. | ALL PLANT MATERIAL SHALL BE FLORIDA #1 GRADE OR BETTER. |

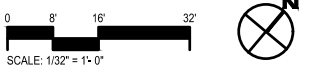
6020-6050 N. BAY ROAD

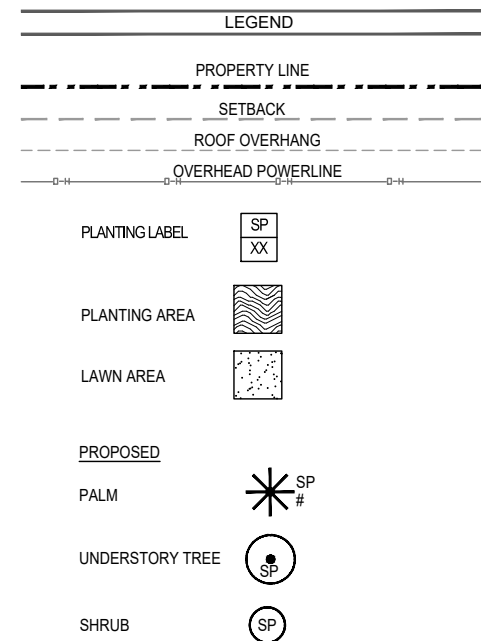
CANOPY PLANTING PLAN

1/32" = 1'-0"
07/10/23 L.600
DRB FINAL SUBMITTAL



LANDSCAPE ARCHITECT
FLORIDA LICENSE
NO. LA0000856





GENERAL NOTES

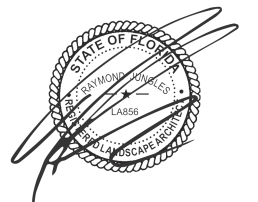
1. THE LANDSCAPE CONTRACTOR SHALL PROVIDE PHOTOGRAPHS OF ALL TREES AND PALMS FOR THE LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO SHIPMENT OF PLANT MATERIAL.
2. ALL QUANTITIES OF PLANT MATERIAL SHALL BE VERIFIED BY THE LANDSCAPE ARCHITECT UPON DELIVERY.
3. CONTRACTOR SHALL STAKE ALL PROPOSED PLANTING BED LOCATIONS PER SITE PLAN AND CALL FOR INSPECTION BY THE LANDSCAPE ARCHITECT A MINIMUM OF 3 BUSINESS DAYS PRIOR TO INSTALLATION.
4. THE LANDSCAPE ARCHITECT SHALL RESERVE THE RIGHT TO REDIRECT THE POSITIONS AND QUANTITIES OF EACH INDIVIDUAL SPECIMEN. LANDSCAPING MATERIAL POSITION CHANGES MAY ONLY BE MADE AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT.
5. MATERIAL PLANTED WITHOUT SPECIFIC DIRECTION FROM THE LANDSCAPE ARCHITECT SHALL BE REPLANTED AS DIRECTED AT NO ADDITIONAL COST TO THE CLIENT.
6. SUBSTITUTIONS MAY ONLY BE MADE AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT.
7. CONTRACTOR SHALL ADHERE TO PLANT SPECIFICATIONS AND DETAILS.
8. ALL PLANT MATERIAL SHALL BE FLORIDA FANCY GRADE OR BETTER, UNLESS OTHERWISE NOTED OR APPROVED BY LANDSCAPE ARCHITECT.
9. MULCH SHALL BE APPLIED TO A MINIMUM DEPTH OF THREE (3) INCHES IN ALL PLANTING BEDS.
10. ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH AN IRRIGATION SYSTEM, AUTOMATICALLY OPERATED TO PROVIDE COMPLETE COVERAGE TO ALL PLANT MATERIALS AND GRASS.
11. HOSE BIBS TO BE INSTALLED BY IRRIGATION CONTRACTOR AS SPECIFIED BY LANDSCAPE ARCHITECT.
12. LANDSCAPE CONTRACTOR TO PROVIDE A 1-YEAR WARRANTY ON ALL PLANT MATERIAL.
13. LANDSCAPE MAINTENANCE PROGRAM TO RUN FOR (3) THREE YEARS WITH THE OPTION OF A ONE YEAR EXTENSION.

6020-6050 N. BAY ROAD

UNDERSTORY PLANTING PLAN

$$1/32'' = 1'-0''$$

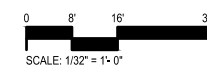
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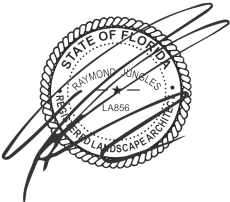
	CITY OF MIAMI BEACH LANDSCAPE LEGEND INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS		
	ZONING DISTRICT <u>RS-2</u> LOT AREA <u>64,003 SF</u> ACRES <u>1.47</u>		
	<u>OPEN SPACE</u>	REQUIRED/ ALLOWED	PROVIDED
A.	SQUARE FEET OF REQUIRED OPEN SPACE AS INDICATED ON SITE PLAN: LOT AREA = <u>64,003</u> S.F. X <u>70%</u> % = <u>44,802.1</u> S.F.	44,802.1 SF	52,999 SF
B.	SQUARE FEET OF PARKING LOT OPEN SPACE REQUIRED AS INDICATED ON SITE PLAN:	N/A	N/A
	NUMBER OF PARKING SPACES <u> </u> X 10 S.F. PARKING SPACE =	N/A	N/A
C.	TOTAL SQUARE FEET OF LANDSCAPED OPEN SPACE REQUIRED: A+B=	44,802.1 SF	52,999 SF
	<u>LAWN AREA CALCULATION</u>		
A.	SQUARE FEET OF LANDSCAPED OPEN SPACE REQUIRED 44,802.1 SF		
B.	MAXIMUM LAWN AREA (SOD) PERMITTED=50 % X 44,802.1 SF=22,401.0 SF	22,401.0 SF	4,930 SF
	<u>TREES</u>		
A.	TREES ON FRONT YARD	2	11
	TREES ON BACK YARD	3	3
	TREES IN EXCESS OF 6,000 SF LOT (1 TREE X 1,000 SF)	59	59
	TOTAL TREES ON LOT	64	64
B.	50% NATIVES REQUIRED: 64 X 50% = 32	20	39
C.	STREET TREES (MAXIMUM AVERAGE SPACING OF 20’ O.C.) 100 LF / 20’ = 5	N/A	N/A
D.	STREET TREE SPECIES ALLOWED DIRECTLY BENEATH POWER LINES: (MAXIMUM AVERAGE SPACING OF 20’ O.C.): 255 LF/ 20’ = 13	13	13
	<u>SHRUBS</u>		
A.	NUMBER OF SHRUBS REQUIRED: SUM OF LOT AND STREET TREES REQUIRED 77 X 12 = 924	924	1658
B.	50% NATIVE SHRUBS REQUIRED: 924 X 50% = 462	462	688
	<u>LARGE SHRUBS OR SMALL TREES</u>		
A.	LARGE SHRUBS OR SMALL TREES (10% OF REQUIRED SHRUBS) 924 X 10% = 93	93	94
B.	50% NATIVE LARGE SHRUBS OR SMALL TREES REQUIRED: 93 X 50% = 47	47	70

6020-6050 N. BAY ROAD

LANDSCAPE LEGEND

NOT TO SCALE

07/10/23 L.620
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6020-6050 North Bay Road Garden | Proposed Plant List

Miami Beach, FL

STREET TREES (UNDER POWERLINE)					
QTY	SYM	Botanical Name	Common Name	Native	Specifications
13	NST	Native Stree Tree - to be selected from list below			Specimen, 20'-27' HT., Character
		Conocarpus erectus 'Sericeus'	Silver Buttonwood	Yes	12'-14' HT.; 3" Cal. min.; 4' C.T. min., Multi-trunk
		Eugenia rhombea	Red Stopper	Yes	12'-14"HT.; 3" Cal. min.; 4' C.T. min., Multi-trunk
		Myrcianthes fragrans	Simpson's Stopper	Yes	12'-14' HT.; 3" Cal. min.; 4' C.T. min., Multi-trunk
CANOPY TREES					
QTY	SYM	Botanical Name	Common Name		Specifications
5	SCT	Specimen Canopy Tree - to be selected from list below			Specimen, 25'-27' HT., Character
		Adansonia digitata	Baobob	No	
		Ceiba pentandra	Kapok Tree	No	
		Ficus aurea	Strangler Fig	Yes	
		Ficus benghalensis	Banyan Tree	No	
11	MNT	Medium Scale Native Tree - to be selected from list below			16'-HT. X 8' SPR. , 4" DBH. Minimum
		Clusia rosea	Autograph Tree	Yes	
		Conocarpus erectus	Green Buttonwood	Yes	
ACCENT TREES					
QTY	SYM	Botanical Name	Common Name	Native	Specifications
1	PTO	Pithecellobium tortum	Brazilian Raintree	No	16" HT. X 10' - 12' SPR., Low branching character trunk, Specimen
2	SAT	Specimen Accent Tree - to be selected from list below			20'-27' HT.; Specimen
		Ceiba speciosa	Floss Silk Tree	No	
		Pachira aquatica	Chestnut Tree	No	
2	SST	Sculptural Specimen Accent Tree - to be selected from list below			20'-27' HT.; Specimen
		Tabebuia chrysotricha	Golden Trumpet Tree	No	
UNDERSTORY TREES					
QTY	SYM	Botanical Name	Common Name	Native	Specifications
12	CWI	Canella winterana	Cinnamon Bark	Yes	12'-HT. X 6' SPR. , 2" DBH. Minimum
8	ECO	Eugenia confusa	Redberry Stopper	Yes	12'-HT. X 6' SPR. , 2" DBH. Minimum
9	EFO	Eugenia foetida	Spanish Stopper	Yes	12'-HT. X 6' SPR. , 2" DBH. Minimum
4	ERH	Eugenia rhombea	Red Stopper	Yes	10'-HT. X 5' SPR. , 1 1/2 " DBH. Minimum
15	PRA	Pimenta racemosa	Bay Rum	No	12'-HT. X 6' SPR. , 2" DBH. Minimum
PALMS - LARGE SCALE					
QTY	SYM	Botanical Name	Common Name	Native	Specifications
13	CNU	Cocos nucifera	Coconut Palm	No	25'-35' WD.; Staggered heights; Character trunks
18	SPA	Sabal palmetto	Sabal Palm	Yes	25'-35' CT.; Staggered heights; Character trunks
5	LFP	Large Scale Feather Palms - to be selected from list below			20'-27' HT.; Specimen
		Elaeis oleifera	American Oil Palm	No	
		Phoenix sp.	Date Palm	No	
6	NFP	Native Feather Palms - to be selected from list below			F.G.; 16'-20' GW.
		Roystonea regia	Royal Palm Tree	Yes	
7	LPP	Large Scale Palmate Palms - to be selected from list below			20'-27' HT.; Specimen
		Bismarkia nobilis	Bismark Palm	No	
		Borassus aethiopum	African Palmyra Palm	No	
		Copernicia fallaense	Giant Yarey Palm	No	
		Copernicia hospita	Same	No	
		Corypha umbraculifera	Talipot Palm	No	
		Pritchardia pacifica	Fiji Fan Palm	No	
		Sabal domingensis	Dominican Sabal Palm	No	
PALMS - MEDIUM SCALE					
QTY	SYM	Botanical Name	Common Name	Native	Specifications
12	MAP	Medium Scale Accent Palms - to be selected from list below			12'- 16'-HT.
		Latania loddigesii	Latan Palm	No	
		Pseudophoenix vinifera	Wine Palm	No	
17	MFP	Medium Scale Feather Palms - to be selected from list below			14'- 16'-HT.
		Dictyosperma album var. conjugatum	Hurricane Palm	No	
		Heterospatha elata	Sagisi Palm	No	
		Satakentia likuiensis	Satakentia Palm	No	
12	MSP	Multi-trunk Screen Palms - to be selected from list below			16'- 24'-HT.
		Acoelorrhaphes wrightii	Everglades Palm	Yes	
		Dypsis cabadae	Butterfly Palm	No	
		Dypsis pembana	Pemba Palm	No	
		Ptychosperma schefferi	Scheffer's Palm	No	
		Zamia antillarum	Zombie Palm	No	
UNDERSTORY PALMS					
QTY	SYM	Botanical Name	Common Name	Native	Specifications
3	AAR	Allagoptera arenaria	Seashore Palm	No	25 Gal.; 4' HT. (Doug Ingram)
13	CAR	Coccothrinax argentata	Florida Silver Palm	Yes	FG.; 6'-7' WDHT.
5	CEL	Chamaedorea elegans	Parlor Palm	No	7 Gal.; 3'-4' HT.
2	CMA	Copernicia macroglossa	Cuban Petticoat	No	45 gal.; (Botanics)
2	CRE	Cyrtostachys renda	Red Sealing Wax Palm	No	65 Gal.; 8'-12' HT. Multi
7	DCA	Dypsis cabadae	Cabada Palm	No	100 gal.;18'-20' HT., Heavy (Signature)
7	KEL	Kerriodaxa elegans	White Elephant Palm	No	45 gal.; Botanics
3	LMO	Leucothrinax morrisii	Keys Thatch Palm	No	30 gal.; Botanics
15	PCA	Ptychosperma caryotoides	Same	No	45 Gal.; 10'-12' HT. (Native Tree)
3	PHE	Pelagodoxa henryana	Same	No	25 Gal.; 8'-10' HT.
10	PSC	Ptychosperma schefferi	Same	No	FG.; 12'-14' HT. (Muni Farms)
32	REX	Rhapis excelsa	Lady Palm	No	45 Gal.; 5'-6' HT.; Full
5	RMU	Rhapis multifida	Jade Palm	No	25 Gal.; 4'-5' HT.; Full
10	SRC	Serenoa repens 'Cinerea'	Silver Saw Palmetto	Yes	45 Gal.; 4 HT. x 4' SPR.
8	SSC	Syagrus schiophylla	Arikury Palm	No	25 Gal.; 5'-6' HT.

LARGE SHRUBS					
QTY	SYM	Botanical Name	Common Name	Native	Specifications
18	AE	Ardisia escallonioides	Marlberry	Yes	25 Gal., 6' HT. x 4' SPR. min.
4	BL	Brunfelsia laeta	Princess of the night	No	15 Gal.; 6' HT.; Full; Low Branched (Plantscapes)
2	CVG	Codiaeum variegatum 'Dreadlocks'	Croton 'Dreaklocks'	No	25 Gal.; 6' HT. X 5' SPR.
1	CVE	Codiaeum variegatum 'Eleanor Roosevelt'	Croton 'Eleanor Roosevelt'	No	25 Gal.; 6' HT. X 5' SPR.
7	GTA	Gardenia taitensis	Tahitian Gardenia	No	15 Gal.; 6'-8' HT.
21	GL	Gymnanthes lucida	Crabwood	Yes	25 Gal., 6' HT. x 4' SPR. min.
9	LCO	Leea coccinea 'Rubra'	West Indian Holly	No	15 Gal.; 6' HT.; Full; Low Branched (Plantscapes)
1	POB	Plumeria obtusa 'Dwarf Singapore White'	Frangipani 'Dwarf Singapore White'	No	12'-HT. X 6' SPR. , 2" DBH. Minimum
21	QJ	Quadrella jamaicensis	Jamaican Caper	Yes	25 Gal., 6' HT. x 4' SPR. min.
6	RA	Randia aculeata	White Indigo Berry	Yes	25 Gal., 6' HT. x 4' SPR. min.
NATIVE UNDERSTORY SHRUBS					
QTY	SYM	Botanical Name	Common Name	Native	Specifications
78	PL	Psychotria ligustrifolia	Dwarf Wild Coffee	Yes	7 Gal., 24" HT. min.
16	PN	Psychotria nervosa	Wild Coffee	Yes	7 Gal., 24" HT. min.
UNDERSTORY SHRUBS					
QTY	SYM	Botanical Name	Common Name	Native	Specifications
9	AOD	Aglaia odorata	Chinese Perfume Tree	No	7 Gal.; 3-4' HT, Bush
15	CFR	Cordyline fruticosa 'Peter Buck'	Peter Buck' Ti Plant	No	7 Gal.; 3'-4' HT., Full
5	FIS	Ficus ischnopoda	Same	No	7 Gal.; Full
76	SL	Salvia leucantha	Mexican Bush Sage	No	3 Gal. @ 24" O.C.; Full
CLIMBING SHRUBS					
QTY	SYM	Botanical Name	Common Name	Native	Specification
6	BNE	Bougainvillea 'New River'	Same	No	25 Gal.; Stump (Tropical Landscapers)
ACCENTS					
QTY	SYM	Botanical Name	Common Name	Native	Specification
18	AI	Alcantarea imperialis 'Silver'	Imperial Bromeliad 'Silver'	No	7 Gal.; Full
2	AO	Alcantarea odorata	Same	No	7 Gal.; Full
1	AMA	Alocasia macrorrhiza 'Borneo Giant'	Elephant Ear	No	15 Gal., Shade Grown (Signature Tree & Palm)
24	APU	Alpinia purpurata	Red Ginger	No	7 Gal.; Full
5	ARE	Alocasia 'Regal Shields'	Elephant Ear	No	15 Gal.
1	BRE	Beauvernea recurvata	Ponytail Palm	No	F.G.; Heavy, Specimen, 10'-16ft HT. (Native Tree)
22	CAS	Crinum asiaticum	Crinum Lily	No	7 Gal.; 3' HT. X 3' SPR.
17	CAU	Crinum augustum 'Queen Emma'	Crinum Lily 'Queen Emma'	No	7 Gal.; 3' HT. X 3' SPR.
1	CHI	Ceratozamia hildae	Same	No	30 Gal.; 3'-4' HT., Full
3	DME	Dioon mejiae	Same	No	45 Gal.; 6'-8' HT. (Botanics)
1	DSP	Dioon spinulosum	Mexican Cycad	No	45 Gal.; 6'-8' HT. (Botanics)
3	DRE	Dracaena reflexa 'Song of India'	Same	No	25 Gal.; Bush, Full / Low Branched (The Nature Touch)
2	EFE	Encephalartos ferox	Same	No	45 Gal.; 6'-8' HT. (Botanics)
1	EGR	Encephalartos gratus	Same	No	65 Gal.; 10'-12' HT. (Botanics)
2	EHI	Encephalartos hildebrandtii	Same	No	45 Gal.; 3'-4' HT. (Botanics)
1	HBA	Heliconia bihai x Caribaea 'Kawauchi' Peach	Same	No	15 Gal.; 8' HT.
1	HBR	Heliconia caribaea 'Brazilian Bomber'	Same	No	10 Gal.; 8' HT. (Signature)
54	MD	Monstera deliciosa	Swiss Cheese Vine	No	7 Gal.; Mature leaves
11	PBE	Philodendron bernardopazi	Mexican Cycad	No	7 Gal.; Full
3	PDO	Philodendron domesticum	Spade-leaf Philodendron	No	7 Gal.; Full
31	PMC	Philodendron McDowell	Same	No	7 Gal.; Full
7	PGI	Philodendron giganteum	Same	No	7 Gal.; Full
70	PPL	Philodendron Plowmanii	Same	No	7 Gal.; Full
8	PRE	Philodendron renauxii	Same	No	7 Gal.; Full
78	PR	Philodendron 'Rajo Congo'	Same	No	3 Gal.; Full
1	PWI	Philodendron wilsonii	Same	No	15 Gal.; Full
34	HL	Hymenocallis latifolia	Spider Lily	Yes	3 Gal. @ 24" O.C.; Full
3	YRO	Yucca rostrata	Beaked Yucca	No	25 Gal.; 3'-4' HT. (Botanics)
12	ZIN	Zamia inermis	Same	Yes	7 Gal. (Botanics)
12	ZFU	Zamia furfuracea	Cardboard Palm	Yes	7 Gal.; 30" HT.; Full
SHRUBBY GROUNDCOVERS					
QTY	SYM	Botanical Name	Common Name	Native	Specification
43	AS	Aloe spinosissima	Spider Aloe	Yes	3 Gal. @ 24" O.C.; Full
102	BO	Begonia odorata 'Alba'	White Begonia	No	3 Gal. @ 24" O.C.; Full
22	BP	Begonia popenoei	Same	No	3 Gal. @ 24" O.C.; Full
265	BSP	Begonia sp.	Same	No	3 Gal. @ 24" O.C.; Full
104	EL	Ernodea littoralis	Golden Beach Creeper	Yes	3 Gal. @ 24" O.C.; Full
32	FJ	Farfugium japonicum 'Gigantea'	Giant Leopard plant	No	3 Gal. @ 24" O.C.; Full
129	FM	Ficus montana	Oakleaf Fig	No	3 Gal. @ 24" O.C.; Full
130	NE	Nephrolepis exaltata	Boston Fern	Yes	3 Gal. @ 24" O.C.; Full
44	PB	Philodendron 'Burle Marx'	Same	No	3 Gal. @ 24" O.C.; Full
255	TK	Thelypteris kunthii	Southern shield wood fern	Yes	3 Gal. @ 24" O.C.; Full
LOW GROUNDCOVERS					
QTY	SYM	Botanical Name	Common Name	Native	Specification
	BF	Bulbine frutescens 'Peach'	Desert Candles	No	1 Gal. @ 12" O.C.; Full
	HE	Heterocentron elegans	Spanish Shawl	No	1 Gal. @ 18" O.C.; Full
	NJI	Neoregelia 'Jill'	Bromeliad 'Jill'	No	1 Gal. @ 18" O.C.; Full
	PD	Pilea depressa	Same	No	1 Gal. @ 12" O.C.; Full
	PG	Pilea glauca	Same	No	1 Gal. @ 12" O.C.; Full
	PO	Peperomia obtusifolia	Rubber Plant	Yes	1 Gal. @ 12" O.C.
	TMI	Tradescantia microfolia 'Argentine Ivy'	Argentine Ivy	No	1 Gal. @ 18" O.C.; Full
GRASSES					
QTY	SYM	Botanical Name	Common Name	Native	Specification
	MC	Muhlenbergia capillaris	Gulf Coast Muhly Grass	Yes	3 Gal. @ 24" O.C.
SOD					
QTY	SYM	Botanical Name	Common Name	Native	Specification
4,930	ZJE	Zoysia japonica 'Empire'	Zoysia Grass 'Empire'	No	Solid Sod; Quantity shown in square feet

6020-6050 N. BAY ROAD

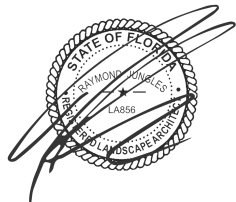
PLANTING SCHEDULE

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07/10/23

L.630

DRB FINAL SUBMITTAL

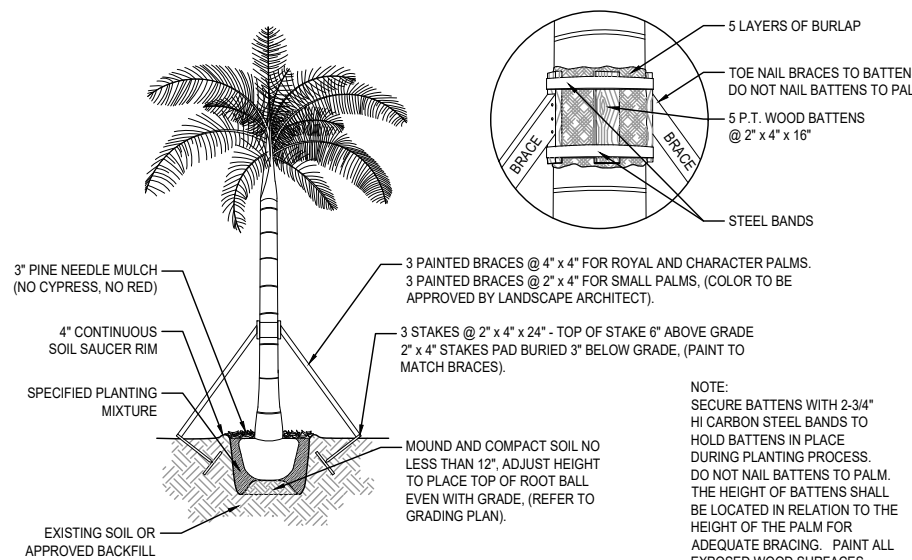


LANDSCAPE ARCHITECT
FLORIDA LICENSE
NO. LA0000856

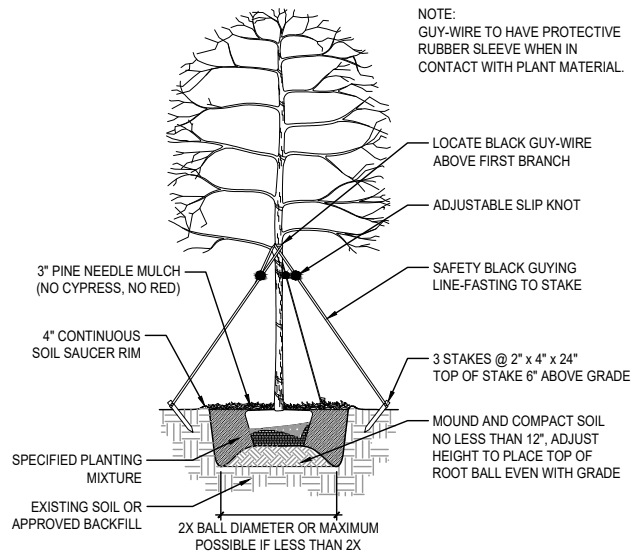
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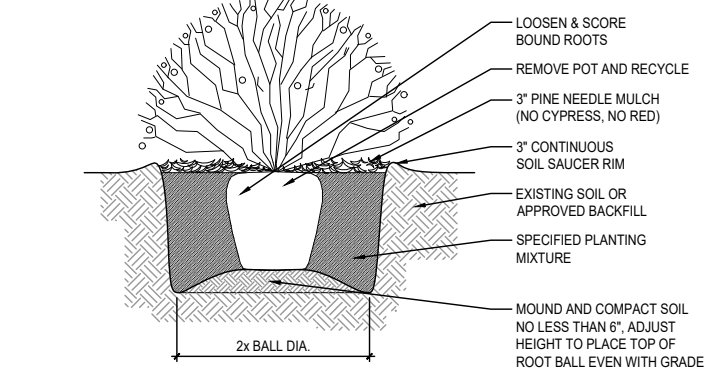
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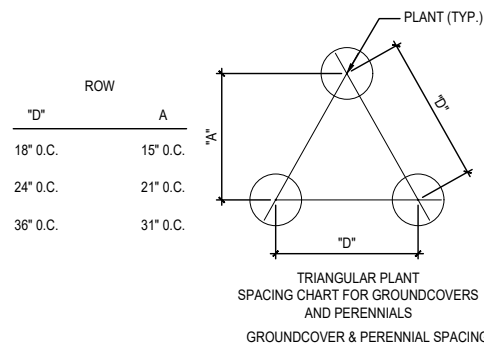
1 PALM PLANTING AND STAKING DETAIL
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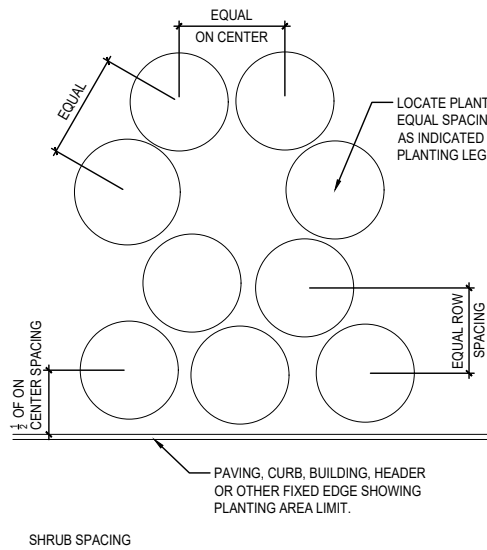
2 UNDERSTORY TREE PLANTING AND STAKING DETAIL
SCALE: N.T.S.



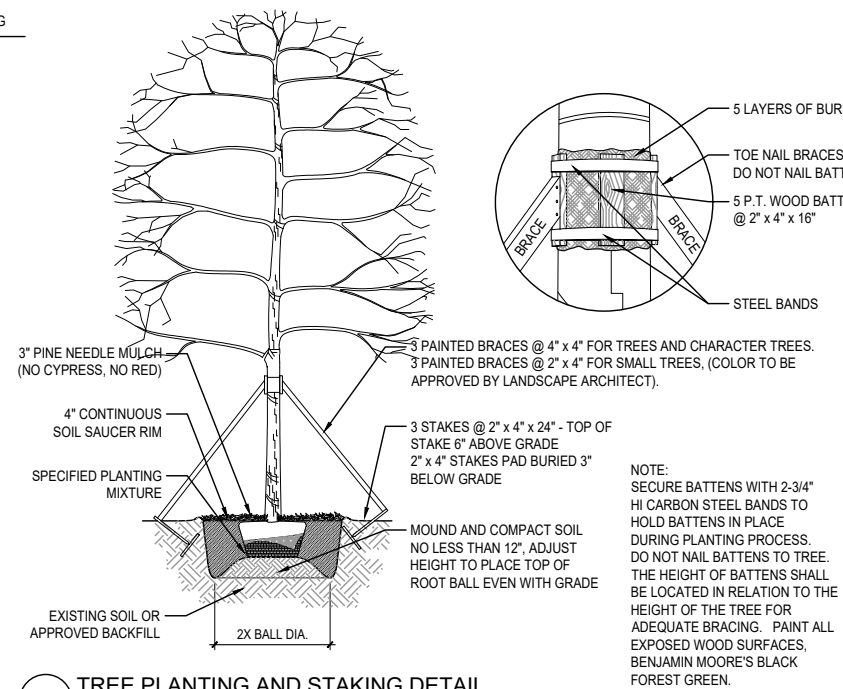
3 SHRUB PLANTING DETAIL
SCALE: N.T.S.



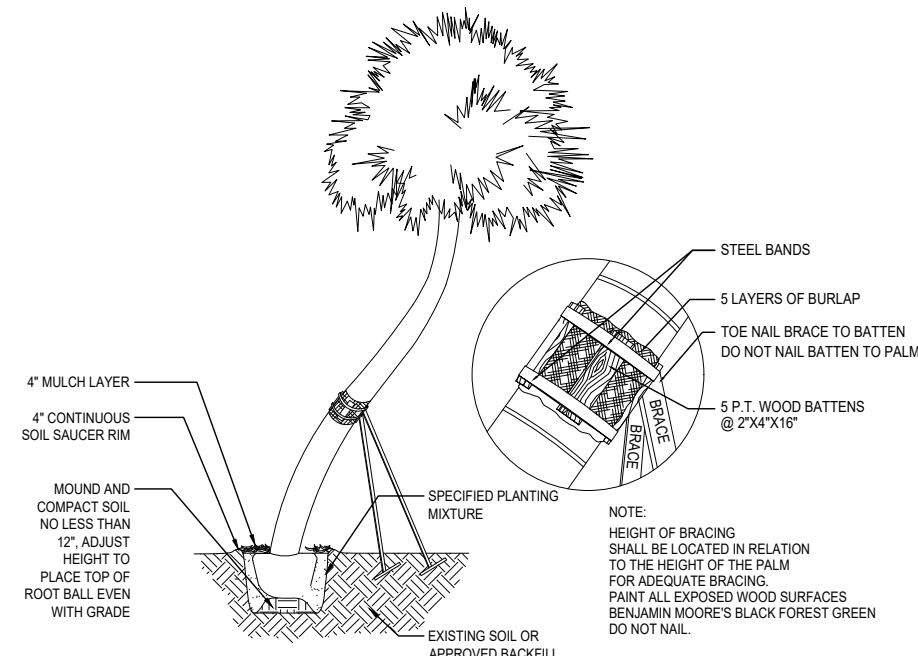
4 GROUND COVER PLANTING DETAIL
SCALE: N.T.S.



5 PLANT & SHRUB SPACING DETAIL
SCALE: N.T.S.



6 TREE PLANTING AND STAKING DETAIL
SCALE: N.T.S.

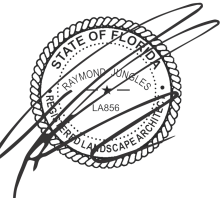


7 CHARACTER PALM PLANTING AND STAKING DETAILS
SCALE: N.T.S.

6020-6050 N. BAY ROAD

L.640 - PLANTING DETAILS

NOT TO SCALE
07/10/23 L.640
PLANTING DETAILS



LANDSCAPE ARCHITECT
FLORIDA LICENSE
NO. LA0000856

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GENERAL LANDSCAPE NOTES AND SPECIFICATIONS

1.

LANDSCAPE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SCOPE OF WORK AS WELL AS THE SITE, DIGGING CONDITIONS, AND ANY OBSTACLES PRIOR TO SUBMITTING A BID.
2.

LANDSCAPE CONTRACTOR SHALL PROVIDE AN INSTALLATION SCHEDULE TO THE GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
3.

LANDSCAPE CONTRACTOR SHOULD VERIFY ALL ESTIMATED QUANTITIES OF MATERIAL SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO SUBMITTING A BID.
4.

PLANT PLAN SHALL TAKE PRECEDENCE OVER PLANTING LIST IN CASE OF DISCREPANCIES.
5.

ALL PLANT MATERIAL SYMBOLS SHOWN ON LANDSCAPE PLANS SHALL BE CONSIDERED DIAGRAMMATIC AND SHOULD BE ADJUSTED IN THE FIELD BY LANDSCAPE CONTRACTOR TO AVOID ALL UTILITIES AND ALL OTHER OBSTRUCTIONS, AFTER CONSULTING THE LANDSCAPE ARCHITECT.
6.

ALL SIZES SPECIFIED FOR PLANT MATERIAL ON THE PLAN AND PLANT LIST SHALL BE CONSIDERED MINIMUM.
7.

ALL PLANT MATERIAL MUST MEET OR EXCEED THE SPECIFIED MINIMUM REQUIREMENTS FOR BOTH HEIGHT AND SPREAD. MEASURE ALL INSTALLED PLANTS AND COMPARE AGAINST SPECIFICATIONS.
8.

ANY SPECIFIC REQUIREMENTS SUCH AS SPECIFIC SHAPE, CHARACTER, NUMBER OF TREE TRUNKS, PLANT SOURCE, TRANSPORTING, AND OR SPECIAL BRACING NOTED ON THE PLAN OR PLANT LIST, WILL REQUIRE APPROVAL AND OR COORDINATION WITH THE LANDSCAPE ARCHITECT.
9.

NO CHANGE OR SUBSTITUTION SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT.
10.

ALL MATERIAL SHALL BE SUBJECT TO AVAILABILITY AT TIME OF INSTALLATION. SUBSTITUTIONS MAY BE MADE AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT
11.

ALL TREES, PALMS, SHRUBS AND GROUND COVERS SHALL BE GUARANTEED FOR A PERIOD OF 12 MONTHS FROM DATE OF FINAL ACCEPTANCE.
12.

CHANGES MAY OCCUR DURING THE NORMAL COURSE OF IMPLEMENTATION. VERBAL CHANGE ORDERS WILL NOT BE HONORED. ANY CHANGES MUST BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING AS A CHANGE ORDER TO BE REVIEWED AND APPROVED IN WRITING BY OWNER/CLIENT.
13.

LANDSCAPE CONTRACTOR SHALL LOCATE AND VERIFY ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO DIGGING. LANDSCAPE CONTRACTOR SHALL REPAIR ALL DAMAGES TO UNDERGROUND UTILITIES, AND OR CONSTRUCTION CAUSED BY LANDSCAPE INSTALLATION, AT NO COST TO THE OWNER.
14.

LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR, THE REMOVAL OF ALL BUILDING CONSTRUCTION DEBRIS AND FOREIGN MATERIAL PRIOR TO INSTALLATION OF ANY PLANT MATERIAL.
15.

SITE PREPARATION SHOULD INCLUDE THE ERADICATION AND REMOVAL OF ANY WEEDS OR GRASS, REMOVAL AND CLEAN UP OF ANY DEAD MATERIAL AND ROUGH AND FINISH GRADING PER SPECS AND OR LANDSCAPE PLANS.
16.

FOR PLANT MATERIAL DESIGNATED TO BE REMOVED, THE ENTIRE ROOT SYSTEM SHALL BE DUG AND REMOVED FROM THE SITE.
17.

ALL PLANTING AREAS SHALL BE EXCAVATED TO A MINIMUM OF 6" FOR GROUNDCOVERS AND MORE THAN 12" FOR SHRUBS, TREES, AND PALMS, AND SHOULD RECEIVE PLANTING SOIL TYPE 1(REFER TO SOIL SPECIFICATIONS LP. 402) (COARSE SAND 70%, FLORIDA PEAT 20%, PINE BARK 10% FINAL TESTED ORGANIC MATTER BETWEEN 1.5% & 2.5% (BY DRY WEIGHT). SUBMIT ALL TESTING DATA FOR APPROVAL BY LANDSCAPE ARCHITECT.
18.

ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 OR BETTER. FLORIDA DEPARTMENT OF AGRICULTURE GRADES AND STANDARDS, PARTS I & II, 1975, RESPECTIVELY.
19.

ALL TREES SHALL BE STAKED IN A GOOD WORKMANLIKE MANNER. NO NAIL STAKING PERMITTED. (REFER TO BRACING NOTES AND PLANTING DETAILS)
20.

AFTER REMOVAL OR RELOCATION OF EXISTING TREES AND PALMS, ALL REMAINING HOLES SHALL BE BACK FILLED AROUND AND UNDER ROOT BALL WITH WASHED BEACH SAND. SOD DISTURBED AREA, IF REQUIRED. ALL SHRUB BEDS TO BE INSTALLED WITH WASHED BEACH SAND. (SEE SPEC)
21.

ALL TREES, PALMS, SHRUBS AND GROUND COVER PLANTS SHALL BE FERTILIZED AT INSTALLATION, WITH LONG LASTING FERTILIZER, ACCORDING TO MANUFACTURERS' RECOMMENDATIONS AND BASED ON EXISTING SOIL TEST.
22.

ALL EXISTING PLANT MATERIAL TO REMAIN, SHALL BE PROTECTED DURING ALL CONSTRUCTION PHASES. ANY PLANT MATERIAL SCARRED OR DESTROYED DESIGNATED TO REMAIN MUST BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH SIMILAR SPECIES SIZE AND QUALITY.
23.

ALL TREES ON SOD AREA SHALL RECEIVE A HARDWOOD / PINE NEEDLE MULCH MIX RING 2' IN DIAMETER TYPICAL. MULCH TO BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE AND/OR INSTALLATION.
24.

ALL PLANTING AREAS SHALL BE MULCHED WITH PINE STRAW MULCH TO A MINIMUM OF 3"; WITH THE EXCEPTION OF BEACH PLANTING. DO NOT USE CYPRESS OR RED MULCH.
25.

ALL TREES SHALL HAVE 2" CALIPER AT D.B.H. MINIMUM FOR A 10' HEIGHT TREE, UNLESS NOTED OTHERWISE.
26.

ALL 1 GALLON MATERIAL SHALL HAVE 12" SPREAD MINIMUM, ALL 3 GALLON MATERIAL TO HAVE 20-24" SPREAD MINIMUM.
27.

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.
28.

LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER APPROPRIATE CONTRACTORS.
29.

THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE JOB SITE CLEAN AND FREE FROM ACCUMULATION OF WASTE MATERIAL, DEBRIS, AND RUBBISH.
30.

LANDSCAPE PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL LOCAL CODES.
31.

ON-SITE LAYOUT OF PLANT MATERIAL SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT AT THE TIME OF INSTALLATION.
32.

ALL PLANTS, MATERIALS, WORKMANSHIP, AND INVOICE APPROVAL ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
33.

CONTRACTOR TO FLAG ALL PROPOSED TREE AND PALM LOCATIONS FOR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.
34.

LANDSCAPE ARCHITECT TO APPROVE ALL SHRUB AND GROUNDCOVER PLANTING LOCATION AND LAYOUT PRIOR TO INSTALLATION.
35.

CONTRACTOR SHALL PROVIDE DIGITAL PHOTOGRAPHIC DOCUMENTATION DURING INSTALLATION FOR LANDSCAPE ARCHITECT'S REVIEW, WEEKLY.
36.

LANDSCAPE CONTRACTOR TO INSURE ALL PLANT MATERIAL IS INSTALLED AT THE CORRECT ELEVATION, REFER TO GRADING PLAN.
37.

THE LANDSCAPE CONTRACTOR SHALL MAINTAIN OR COORDINATE WITH THE IRRIGATION CONTRACTOR AND LANDSCAPING MAINTENANCE SERVICES ALL PLANTING INCLUDING WATERING, MOWING, MULCHING, WEED, AND PEST CONTROL UNTIL FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT AND OWNER.
38.

THE AWARDED LANDSCAPE CONTRACTOR SHALL SUBMIT A PROPOSED BID / CONTRACT WITH UNIT COST PRICING FOR ALL PLANT MATERIAL INCLUDING (WARRANTY, LABOR, TRANSPORTATION, RELOCATION, SITE MAINTENANCE AND PREPARATION) AS PER THE LANDSCAPE ARCHITECT'S SPECIFICATIONS AND OR PLANTING PLANS.
39.

THE LANDSCAPE CONTRACTOR'S CONTRACT SHALL ACKNOWLEDGE ALL TERMS AND CONDITIONS SET FORTH UNDER THESE GENERAL LANDSCAPE NOTES AND SPECIFICATIONS.
40.

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41.

IN ADDITION TO THE ABOVE PLANT LIST AND SPECIFICATIONS THERE IS TO BE AN ADDITIONAL \$20,000.00 WHOLESALE PLANT ALLOWANCE - LANDSCAPE ARCHITECT TO SELECT ACCENT SPECIMENS DURING NURSERY VISITS. LANDSCAPE ARCHITECT TO LAY OUT ACCENT PLANTS IN THE FIELD.
42.

FINAL GRADES SHALL BE APPROVED IN THE FIELD BY LANDSCAPE ARCHITECT PRIOR TO PLANTING.

GENERAL TREE BRACING NOTES AND SPECIFICATIONS:

TREES AND PALMS GREATER THAN 6" DBH TO BE BRACED WITH PROPS:

1.

CHOOSE THE CORRECT SIZE, LENGTH, AND NUMBER OF PROPS TO BE USED (PRESSURE TREATED (PT), TIMBER BAMBOO (GUADUA ANGUSTIFOLIA) 3" DIA.).
2.

ALL (PRESSURE TREATED (PT) 2"x4", 4"x4"). STAKES SHALL BE PAINTED AS SPECIFIED BY THE LANDSCAPE ARCHITECT. WRAP AT LEAST 5 LAYERS OF BURLAP AROUND TRUNK OF THE PALM AT LEAST 4 INCHES WIDER THAN THE BATTENS BEING USED. BATTENS SHOULD BE MOUNTED AT A POINT 1/3 OF THE DISTANCE FROM GROUND TO THE CLEAR TRUNK OF THE TREE OR PALM, BUT NOT LESS THAN 4 FEET, WHICHEVER IS GREATER. ALL PAINT COLORS TO BE APPROVED BY LANDSCAPE ARCHITECT.
3.

SELECT THE PROPER LENGTH AND SIZE OF BATTENS (PT 2"x4"x12'-16")
4.

USE THE SAME NUMBER OF BATTENS AS PROPS BEING USED.
5.

PLACE THE BATTENS VERTICALLY AND EVENLY SPACED AGAINST THE BURLAP.
6.

SECURE THE BATTENS IN PLACE WITH METAL OR PLASTIC BANDING STRAPS. DO NOT NAIL TREE.
7.

WEDGE LOWER END OF PROP INTO SOIL AND SECURE WITH A 2"x4"x30" STAKE. PROPS SHOULD BE INSTALLED AT A 30 TO 40 DEGREE ANGLE FROM THE BATTENS AND OF SUFFICIENT LENGTH TO REACH THE GROUND. NOTE: ON STRAIGHT TREES OR PALMS OR TREES, SPACE PROPS EQUAL DISTANCE AROUND TREE OR PALM ON CURVED (CHARACTER) PALMS OR TREES, SPACE PROPS AGAINST THE FRONT OF THE CURVE OF THE PALM.
8.

CUT A SMOOTH ANGLE AT THE END OF THE PROPS. ALIGN WITH AND NAIL INTO BATTENS. DO NOT PENETRATE TREE OR PALM WITH NAILS.
9.

IF IT APPEARS THAT ADDITIONAL CONSTRUCTION WORK WILL TAKE PLACE NEAR TO OR IN THE VICINITY OF THE NEWLY BRACED TREES OR PALMS, THEN PROPS ARE TO BE CLEARLY LABELED WITH THE STATEMENT, "DO NOT REMOVE."
10.

PROPS ARE NOT TO BE REMOVED UNTIL APPROVED BY THE LANDSCAPE CONTRACTOR.

TREES AND PALMS LESS THAN 6" DBH TO BE BRACED BY GUYING:

1.

CHOOSE THE CORRECT SIZE AND NUMBER OF STAKES AND SIZE OF HOSE AND WIRE. GUYING SHALL BE COMPLETED WITHIN 48 HOURS OF PLANTING THE TREE.
2.

CUT LENGTHS OF STAKING HOSE TO EXTEND 2 INCHES PAST TREE TRUNK WHEN WRAPPING AROUND.
3.

SPACE STAKES EVENLY ON OUTSIDE OF WATER RING AND DRIVE EACH FIRMLY INTO THE GROUND. STAKES SHOULD BE DRIVEN AT A 30 DEGREE ANGLE WITH THE POINT OF THE STAKE TOWARD THE TREE UNTIL 4 TO 5 INCHES ARE LEFT SHOWING.
4.

PLACE THE HOSE AROUND THE TRUNK JUST ABOVE THE LOWEST BRANCH.
5.

THREAD THE WIRE THROUGH THE HOSE AND PAST THE STAKE, ALLOWING APPROXIMATELY 2 FEET OF EACH OF THE TWO ENDS BEYOND THE STAKE BEFORE CUTTING THE WIRE.
6.

TWIST WIRE AT RUBBER HOSE TO KEEP IT IN PLACE.
7.

PULL WIRE DOWN AND WIND BOTH ENDS AROUND STAKE TWICE. TWIST WIRE BACK ONTO ITSELF TO SECURE IT BEFORE CUTTING OFF THE EXCESS.
8.

THE ABOVE PROCEDURES ARE TO BE FOLLOWED FOR EACH STAKE, KEEPING THE TREE STRAIGHT AT ALL TIMES.
9.

THERE SHOULD BE A 1 TO 3 INCH SWAY IN THE TREE (THE WIRES SHOULD NOT BE PULLED TIGHT) FOR BEST ESTABLISHMENT.
10.

FLAG THE GUY WIRES WITH SURVEYOR'S FLAGGING OR APPROVED EQUAL FOR SAFETY.
11.

ANY WIRES ARE NOT TO BE REMOVED UNTIL APPROVED BY LANDSCAPE ARCHITECT.

SHOP DRAWINGS / SUBMITTALS AND MOCK-UPS

1.

LANDSCAPE: SUBMIT PHOTOGRAPHS OF ALL MATERIALS WITH SCALE REFERENCE. INDICATE GROWER'S LOCATION AND ANY LEAD TIME FOR ROOT PRUNING OR PREPARATION.


6020-6050 N. BAY ROAD

PLANTING NOTES AND SPECIFICATIONS

NOT TO SCALE

07/10/23 L.650
DRB FINAL SUBMITTAL





Excel Lighting, Inc.

MODEL PL-15 12V 35W T4 3W LED PL-15

Simply Elegant by Design™

Model PL-15

Lighting T4 Halogen or LED

Maximum Wattage 35 watt, 3 watt LED

Input Voltage 12V (remote transformer required)

Mounting Adjustable or Recess - 1.5" square

Hardware Stainless Steel

Finish Brush Powder Coat, Two Metals

Lens Tempered Powder Glass

Mounting 1/2" NPT (not recent separately)

Height 12" or 20"

Socket E7C or E10 Pin/ Pendant

Up Rating 60


Certification Wet location hazardous, LA 1038

Weight 4.5 - 16.2 lbs net weight cable





Wedge Brass 2.0 lbs, Aluminum 1.0 lbs

Warranty Brass 20 Years Aluminum 10 Years

Dimensions 1.5" square hole, 3.75" x 7.1"




Brass Pin Hole Mount (20)








METALS:

Aluminum



Brass





MODULAR DESIGN:

The PL-15 path light is available in aluminum or stainless steel mounting brackets. The mounting brackets and bases and the lamp are imported from copper-free aluminum. They are available for several custom sizes from all types of elements. Stainless steel hardware and different wiring made are standard features. To improve this luminaires, always reserve one socket and cable and the lamp housing.

ORDERING LOGIC





Mount PL - 15

Model A - Aluminum
B - Brass

Height 12 - 12" 20 - 20"

Finish: BCT - Black
BCT - BRN - Black Texture
BCT - WHN - Black Silvers
BCT - RPT - Roper
NAT - Natural
CDB - Dark Bronze

Mounting System Options

ORDERING EXAMPLE: PL - 15 - B - 20 - DB

Excel Lighting, Inc. 2021 • Bury Co. Texas, CA 93227 • T: 539-334-1001 F: 539-334-1071 • excel@lighting.com

PATH LIGHT

Scale: N.T.S.

[illegible]

UP LIGHT

Scale: N.T.S.

[illegible]


IN-GROUND UP LIGHT

Scale: N.T.S.

[illegible]

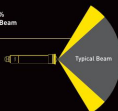
WALL WASH UP LIGHT

Scale: N.T.S.




BETTER ILLUMINATION


Up to 20% Greater Beam Spread




Typical Beams




White-Only
(Available in VW_20W_2000)




1 Traditional Incandescent Light



3 Jandy Pro Series Recessed LED Lights



500 Watts



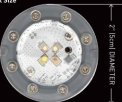
27 Watts

BETTER ILLUMINATION

**95%
LESS ENERGY**

BARELY VISIBLE

Actual Size



27" Round Diameter

Go beyond accent lighting!

Jandy Pro Series offers one of the only recessed lighting lines designed for general pool and spa lighting.

POOL LIGHT

Scale: N.T.S.

TAILED Large Area Light with Variable Lumen Output (VLO)

16710 16023

OVERVIEW
The Tailed Light is designed to illuminate large areas. The VLO provides selectable LED output in 3-step increments. It is also available with premium materials, including anodized aluminum. The variable lumen output can be selected to address three levels of illumination, providing installation consistency and increasing initial versatility.

SPECIFICATIONS

Feature	
Light Source	Integrated LED
Number of LEDs	5000 Output COB
Beam Angle	120°
Color Rendering Index	92 CRI @ 4000K
Beam Spot	8' x 8' @ 4000K
Shining	3 Steps
Reference us to see all VLO products	
Input	
Input Voltage	8-18V AC or DC with or without transformer
Input Frequency	47-63Hz
Input Current	3.05A Max @ 90VAC
Power Factor	94% Min > 0.7 PF
Output	
Lumen Level (Step)	1000 2000 3000
Lumen Level (2 Step)	400 (Factory setting)

Environmental

Customizable Protection Rating	IP66, IP67
Operating Ambient Temperature	-20°C ~ +40°C
Operation (in Dry)	3000 Hours

Customizable Identification Specifications:

Length	3' (15mm)
Width	2.7" (68mm)
Height	4.7" (118mm)
Material	Aluminum
Material Color	Black, White, Grey
Material Color & Surface	ACT, BKT, CBR, WHT Anodized, Powder Coat, Brushed 6061 Alu

PROJECT	ORDERING	
	TYPE	COMMENTS
PERFORMANCE		
Output Position	Level	Level
	Output	Output
Lumen Output	400	800
	1000	2000
	3000	4000
Power @ 12V DC	8.3	13.3
	16.7	25.0
	25.0	33.3
Power @ 24V DC	4.2	8.3
	8.3	16.7
	12.5	25.0

FEATURE

Green Lens

Translucent, white translucent or glass with high performance for maximum visibility and contrast.

Body

Aluminum extrusion, CBR or stainless steel

View

16710, SP7-167, 167-100, 2000, 4000, 6000, 8000, 10000, 12000, 14000, 16000, 18000, 20000, 22000, 24000, 26000, 28000, 30000, 32000, 34000, 36000, 38000, 40000, 42000, 44000, 46000, 48000, 50000, 52000, 54000, 56000, 58000, 60000, 62000, 64000, 66000, 68000, 70000, 72000, 74000, 76000, 78000, 80000, 82000, 84000, 86000, 88000, 90000, 92000, 94000, 96000, 98000, 100000, 102000, 104000, 106000, 108000, 110000, 112000, 114000, 116000, 118000, 120000, 122000, 124000, 126000, 128000, 130000, 132000, 134000, 136000, 138000, 140000, 142000, 144000, 146000, 148000, 150000, 152000, 154000, 156000, 158000, 160000, 162000, 164000, 166000, 168000, 170000, 172000, 174000, 176000, 178000, 180000, 182000, 184000, 186000, 188000, 190000, 192000, 194000, 196000, 198000, 200000, 202000, 204000, 206000, 208000, 210000, 212000, 214000, 216000, 218000, 220000, 222000, 224000, 226000, 228000, 230000, 232000, 234000, 236000, 238000, 240000, 242000, 244000, 246000, 248000, 250000, 252000, 254000, 256000, 258000, 260000, 262000, 264000, 266000, 268000, 270000, 272000, 274000, 276000, 278000, 280000, 282000, 284000, 286000, 288000, 290000, 292000, 294000, 296000, 298000, 300000, 302000, 304000, 306000, 308000, 310000, 312000, 314000, 316000, 318000, 320000, 322000, 324000, 326000, 328000, 330000, 332000, 334000, 336000, 338000, 340000, 342000, 344000, 346000, 348000, 350000, 352000, 354000, 356000, 358000, 360000, 362000, 364000, 366000, 368000, 370000, 372000, 374000, 376000, 378000, 380000, 382000, 384000, 386000, 388000, 390000, 392000, 394000, 396000, 398000, 400000, 402000, 404000, 406000, 408000, 410000, 412000, 414000, 416000, 418000, 420000, 422000, 424000, 426000, 428000, 430000, 432000, 434000, 436000, 438000, 440000, 442000, 444000, 446000, 448000, 450000, 452000, 454000, 456000, 458000, 460000, 462000, 464000, 466000, 468000, 470000, 472000, 474000, 476000, 478000, 480000, 482000, 484000, 486000, 488000, 490000, 492000, 494000, 496000, 498000, 500000, 502000, 504000, 506000, 508000, 510000, 512000, 514000, 516000, 518000, 520000, 522000, 524000, 526000, 528000, 530000, 532000, 534000, 536000, 538000,

— TREE MOUNTED DOWN LIGHT

Scale: N.T.S.

excel™
LIGHTING, INC.

Tree Strap with Canopy

MT-14

Simply better by Design™

Model	MT-14
Canopy Material	Brushed Aluminum Canopies
Straps	1/2" NPS Thread
Strap Length	Available in 48" 72" or 120"
Canopy Options	Up to 3 in. nylon strap
Painted Item	Standard Steel
Finish	Brush Powder Coat
Weight	2 lbs.
Certification	Met Industry Standards, UL 1585
Usability	10 Years
Dimensions	2 3/4" dia. canopy, 1" wide strap

Shown in Brush Powder Coat Finish (R2)

METALS:

6061-T6 Aluminum
Canopy with Stainless
Steel Strut and hook.

ORDERING LOGIC:

Model:	MT - 14
Material:	A - Aluminum
Type:	B - Standard L - Locking
Canopies:	1 - One 2 - Two 3 - Three
Strap Length:	48 - 48" 72 - 72" 120 - 120"
Finish:	BL - Black BCT - Black Texture BZ - Bronze BBT - Bronze Texture ST - Silver SA - Silver SP - Silver CA - Clear Anodized

NEW DESIGN:

Optional locking canopy. Rotational locking set
now allows users after unhook as the future
hook for easy installation and string.

ORDERING EXAMPLE: MT-14-A-L-1-48-BK

Excelstar Lighting, Inc. • 2057 N. Bundy Drive • PLYMOUTH, TX • 855-548-1051 • F-855-548-1071 • excelstarlighting.com

WATER FEATURE UPLIGHT

Scale: N.T.S.

SL75-LED BRONZE UNDERWATER LIGHT

cast bronze nose guard, stainless steel fasteners, phosphor-bronze cord reel, tempered lens with epoxy gasket, porcelain socket with exposed connector and foot lock for 100' submersible power cord. Each fixture is tempered with 6.5ksi, 100' WET LBS.

For submerged use only. Do not use in swimming pools and ponds. NOT intended for use in swimming or wading pools. Frame for light must be a temporary one with opening 60.035 (1.54") at the National Fire Protection Code.

Lighting Facts/ Pulse of Cycles

Maximum Lifetime	50,000 hours
Minimum Lifetime	10,000 hours
Minimum Pulse Rate	50 Hz
Minimum Pulse Width	100 μs
Minimum Pulse Period	200 μs
Minimum Pulse Amplitude	10 V
Minimum Pulse Frequency	100 Hz

Pulse Color Spectrum

Spectral Chart

MINIMUM ELECTRICAL SHOCK RISK

SL75-LED BRONZE UNDERWATER LIGHTS ARE DESIGNED TO MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) FOR USE IN WET LOCATIONS. THE LIGHTS ARE DESIGNED TO BE USED IN WET LOCATIONS AND ARE NOT TO BE USED IN DRY LOCATIONS. THE LIGHTS ARE DESIGNED TO BE USED IN WET LOCATIONS AND ARE NOT TO BE USED IN DRY LOCATIONS.

SL75-LED

6.5 watt LED 12volt Thermally Protected Submersible Light

5500 N.W.27 Ave. Ft. Lauderdale, FL 33309

PHONE: 1-800-777-4255 • 1-564-494-8534

WATER FEATURE LIGHT

Scale: N.T.S.

MICROBRITE™

COLOR AND WHITE LED LIGHT

The Most Compact, Brilliant Pool and Spa Wall Fitting LED Light Available.

Give your customers the ultimate lighting upgrade. MicroBrite Color and White LED Lights provide exceptional brilliance and lighting longevity. Because they're only 3.5 inches long—the industry's at their smallest—they give you freedom to add lighting to spaces never before possible. MicroBrite LED Lights give you more room for imagination!

KEY FEATURES

- **Brilliant LED Luminance in a Small Package.** Pentair's LED illumination is almost twice as bright as just 3.5 inches long.
- **Opens Up New Lighting Design Possibilities.** Fit into corner niches and tight spaces where others don't.
- **Versatile Upgrade for Fiber Optic Lighting.** Suitable for retrofit into many pools with older fiber optic systems.
- **Fast, Simple Installation.** Installs in any standard 1.6 inch pool wall fitting.

connect™ TRANDISCORP

PENTAIRPOOL.COM

RECESSED STEP LIGHT

Scale: N.T.S.

TRULUX® LIGHTING SYSTEMS / CAP LIGHTS / SUBMERSIBLES

Features

- 100-watt PIR power input can be used with 100 and 120-watt Jumbo and Pro and submersible light fixtures
- High output 4000 lumens with 944 CRI output up to 240 lumens per foot using only 64-watt wattload
- Warm white 3000 kelvin with 944-watt wattload
- Compatible with Trulux connectivity and smart electronic, low voltage drivers
- 1-foot cubature being per foot every 3.36"
- 3m lengths up to 16.4 feet
- Available CCT

Available CCT

Control Options

- 1-16m Single Color Controls
- 1-16m LED Dimm or 1-16m Trulux
- Primary Color Dimming
- 16m Trulux Dimmer + LED Driver

Listing / Ratings

AMERICAN LIGHTING

TRULUX® Submersible - 24V

Submersible 24V is a recessed and 4000 lumens output, the 4000 Submersible has light in foot cubature (lumens per foot every 3.36") and secondary PIR with which, tested with 100-watt caps and a 160-watt cap allows for indoor or outdoor water features.

Technical Information

Series	24V
Rated Voltage	24V
CCT	3000K / 4000K
Max. Power	100W
Max. Span	0.40 m
Max. Length	2.40 m
Lumens	140 to 2400 lm per R
Beam	4.8 mm
Cuttable	Yes 3.36"
PI Rating	IP68 (10m max)
Dimmable	Yes 3.36"
Rating	UL ETL
Rated Life	50,000 hrs

* 1-foot cubature (lumens per foot) must be installed with PIR and caps and allows

04-CRI LEDs 0.47 LED Spacing 12.5mm (0.49")

* Cubature every 3.36" 16.4 Feet Run

www.americanlighting.com

GENERAL NOTES

1. PROPOSED LANDSCAPE LIGHTING IS TO BE SUBTLE, ACCENTUATE SPECIMEN AND OTHER KEY PLANT MATERIAL, AND PROVIDE WAYFINDING. LIGHTING FOR SPORTS COURTS OR OTHER ATYPICAL FEATURE LIGHTING IS NOT PROPOSED.
2. ALL FIXTURES TO BE INSTALLED PER THE NATIONAL ELECTRICAL CODE (N.E.C). THE N.E.C. SHALL GOVERN AND SUPERCEDE ALL SPECIFICATIONS.
3. CONTRACTOR TO COORDINATE EXACT FIXTURE LOCATION WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. CONTRACTOR TO VERIFY TRANSFORMER QUANTITIES AND LOCATIONS PRIOR TO INSTALLATION.
5. ALL VISIBLE HARDWARE CONNECTIONS TO BE APPROVED BY LANDSCAPE ARCHITECT.
6. NO LAMP SUBSTITUTIONS SHALL BE PERMITTED UNLESS APPROVED BY LANDSCAPE ARCHITECT.
7. PERFORMANCE ENHANCING LENSES TO BE SPECIFIED AND APPROVED BY LANDSCAPE ARCHITECT. PRISMATIC SPREAD LENSES TO BE USED FOR WIDE BEAM ANGLES.
8. TRANSFORMERS SHALL BE MULTI-MATIC MAGNETIC STAINLESS STEEL.
9. PRIOR TO PURCHASING MATERIALS, CONTRACTOR SHALL PROVIDE SUBMITTALS TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
10. WIRE SHALL BE UV RESISTANT DIRECT BURIAL LIGHTING CABLE INSTALLED A

MINIMUM OF 6" BELOW GRADE. CONTRACTOR SHALL ALLOW FOR AN ADDITIONAL 15% LOAD ON EACH CIRCUIT.

DIRECT BURIAL WIRE SHALL BE PROTECTED BY 2' LENGTH PVC SLEEVE AT EDGE OF EVERY LANDSCAPE BED LINE.

ALL CONNECTORS USED SHALL BE KING INNOVATION SILICONE WATER-RESISTANT WIRE NUT CONNECTORS.

CONTRACTOR SHOULD VERIFY ALL ESTIMATED QUANTITIES OF MATERIAL SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS PRIOR TO SUBMITTING A BID.

NO CHANGE OR SUBSTITUTION SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT. ANY REVISION OR MODIFICATIONS TO THE LIGHTING PLAN MUST HAVE PRIOR APPROVAL BY THE LANDSCAPE ARCHITECT & OWNER.

CHANGES MAY OCCUR DURING THE NORMAL COURSE OF IMPLEMENTATION. VERBAL CHANGE ORDERS WILL NOT BE HONORED. ANY CHANGES MUST BE SUBMITTED TO THE LANDSCAPE ARCHITECT IN WRITING AS A CHANGE ORDER TO BE REVIEWED AND APPROVED IN WRITING BY OWNER/CLIENT.

LIGHTING CONTRACTOR SHALL LOCATE AND VERIFY ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO DIGGING. LIGHTING CONTRACTOR SHALL REPAIR ALL DAMAGES TO UNDERGROUND UTILITIES, AND OR CONSTRUCTION

CAUSED BY LIGHTING INSTALLATION, AT NO COST TO THE OWNER.
LIGHTING CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER
APPROPRIATE CONTRACTORS.
LIGHTING PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL LOCAL CODES.
ON-SITE LAYOUT OF LIGHT FIXTURES SHALL BE COORDINATED WITH
LANDSCAPE ARCHITECT AT THE TIME OF INSTALLATION.
THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS OR
APPROVALS FROM THE FEDERAL, STATE OR LOCAL GOVERNMENT REQUIRED
FOR THE WORK INCLUDED IN THIS CONTRACT AND ON THESE DRAWINGS.
THESE DRAWINGS, DOCUMENTS, AND ALL CONTENTS ARE THE PROPERTY OF
RAYMOND JUNGLES, INC. ALL RIGHTS ARE RESERVED. UNAUTHORIZED USE OR
PRODUCTION, IN PART OR WHOLE, FOR ANY PURPOSE IS UNLAWFUL AND
PROHIBITED EXCEPT BY EXPRESS WRITTEN CONSENT.
CONTRACTOR SHALL POWER, AND CONFIRM VIA TESTING THE VOLTAGE OF
EACH FIXTURE TO ENSURE THAT IT MEETS MANUFACTURER'S SPECIFICATIONS
ANY AND ALL WATER FEATURE LIGHTING FIXTURES SHALL BE 12 VOLT
MAXIMUM AND BE GROUNDED.
CONTRACTOR SHALL FURNISH ALL WARRANTY DOCUMENTATION TO OWNER
AT COMPLETION OF JOB.
CONTRACTOR SHALL HAVE LIGHTING INSTALLATION PERMITTED AND

INSPECTED BY THE GOVERNING REGULATORY AGENCY. APPROVAL DOCUMENTATION SHALL BE FURNISHED TO THE LANDSCAPE ARCHITECT & OWNER.

CONTRACTOR SHALL DISCUSS OWNER PREFERENCES FOR SCENE OPTIONS AND DIMMING CONTROLS PRIOR TO LIGHTING INSTALLATION.

TRANSFORMER CAPACITY TO BE DETERMINED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT.

TRANSFORMERS SHALL BE COMPATIBLE WITH IN-HOUSE CONTROLS.

LAMP TYPES SHALL BE AN LED LIGHT SOURCE, UNLESS NOTED OTHERWISE, AND APPROVED BY LANDSCAPE ARCHITECT.

ALL FIXTURES SHALL BE ON A DIMMER CONTROL MODULE WITH SCENE OPTIONS.

INDIVIDUAL FIXTURE TYPES SHALL BE ON DEDICATED/SEGREGATED CIRCUITS AND TRANSFORMERS.

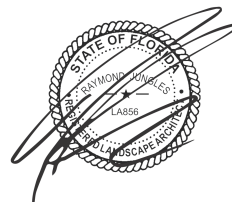
6020-6050 N. BAY ROAD

LANDSCAPE LIGHTING SPECIFICATIONS

NOT TO SCALE

07/10/23

DRB FINAL SUBMITTAL



LANDSCAPE ARCHITECT
FLORIDA LICENSE
NO. LA0000856

Not valid for construction unless signed in this box

jungles

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