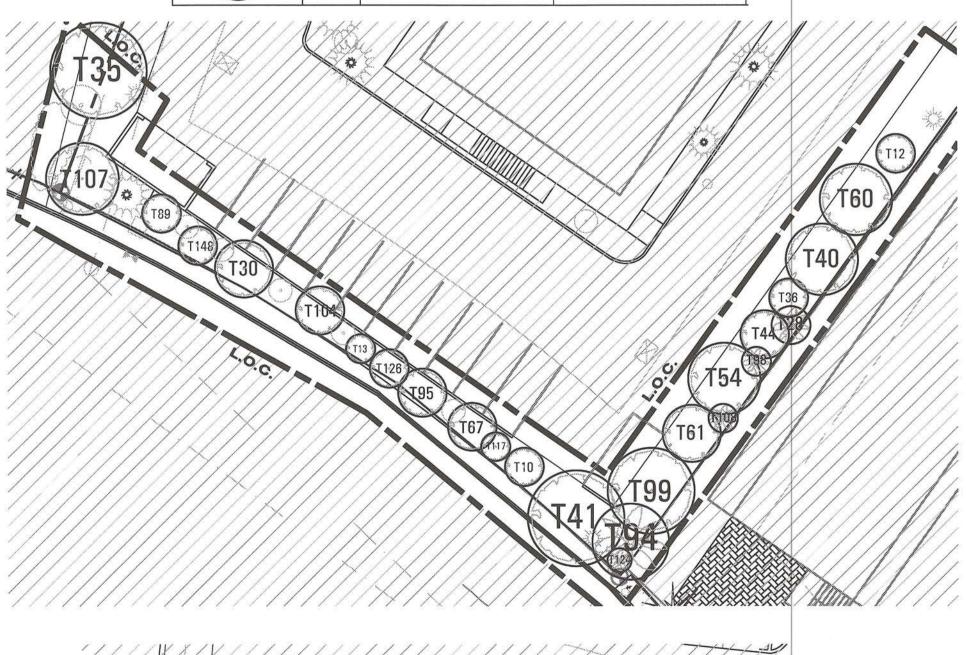
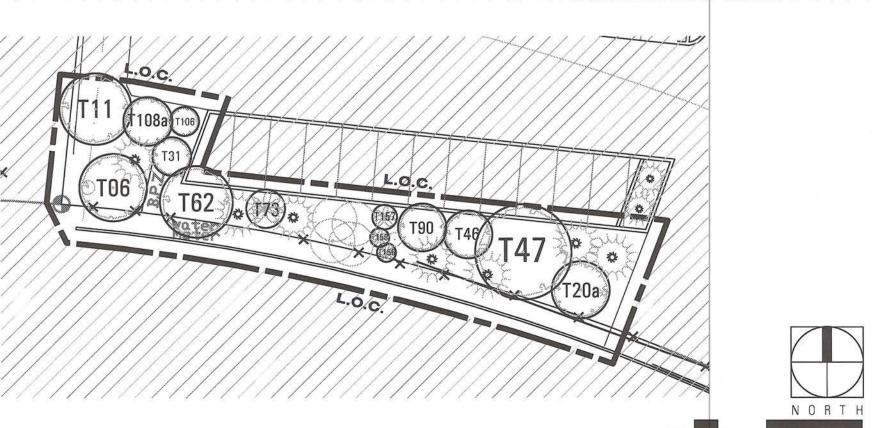


(REF. LP 3.01 FOR COMPLETE PLANT SCHEDULE)

SHADE TRE	ES		
GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME
	BS3	GUMBO LIMBO	BURSERA SIMARUBA
PALM TREE	S		
GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME
	CN	COCONUT PALM	COCOS NUCIFERA 'GREEN MALAYAN'
34 E	SPI0	SABAL PALM	SABAL PALMETTO
Σ Ω 3	VM	VEITCHIA PALM	VEITCHIA MONTGOMERYANA
ORNAMENTA	AL TREE	S	
GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME
+	CC6	JAMAICAN CAPER	CAPPARIS CYNOPHALLOPHORA
\bigcirc	CE	SILVER BUTTONWOOD	CONOCARPUS ERECTUS
•	G56	LIGNUMVITAE	GUAIACUM SANCTUM
	MYF6	SIMPSON STOPPER	MYRCIANTHES FRAGRANS
EXISTING T	REES		
GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME
TIXX	TXXX	RELOCATED PALM	REF. TD 1.01 FOR SPECIES
TIV	TXXX	RELOCATED SHADE TREE	REF. TD 1.01 FOR SPECIES









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Austin - Dallas - Fort Lauderdale Fort Worth - Houston - San Antonio - Tulsa

Project:

THE GATES HOTEL SUNSET GREEN

PERMIT SET

3824 N ROOSEVELT BLVD.

KEY WEST, FLORIDA

Project Number:

signed: PW, AH

Drawn: AH, KT, S

Reviewed: PW, KT

Date Issued: MARCH 28, 2017

Revisions:

Sheet Title:
PLANTING PLAN
(TREE CANOPY)

Sheet Numb

LP 1.01



PLANTING SCHEDULE QUICK REFERENCE

(REF. LP 3.01 FOR COMPLETE PLANT SCHEDULE)

(REF. LP 1.01 FOR TREE CANOPY PLAN)

SHRUBS, OR	NAMEN	TAL GRASSES, AND	VINES
GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME
\Diamond	BB	BOUGAINVILLEA	BOUGAINVILLEA SPP.
	CHI	RED TIP COCOPLUM	CHRYSOBALANUS ICACO
	DI	BICOLOR IRIS	DIETES BICOLOR
O	HAP	DWARF FIREBUSH	HAMELIA PATENS
\bigcirc	NEF	MACHO FERN	NEPHROLEPIS FALCATA 'MACHO'
	PAA	BEACH PANIC GRASS	PANICUM AMARUM
	PRC	PHILODENDRON 'ROJO CONGO'	PHILODENDRON 'ROJO CONGO'
	SAB	MAIDENBUSH	SAVIA BAHAMENSIS
	SER	SAW PALMETTO	SERENOA REPENS
#	STR	BIRD OF PARADISE	STRELITZIA REGINAE
	ZAP	COONTIE	ZAMIA PUMILA
PERENNIALS	, GROU	NDCOVERS, AND AN	NUALS
GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME
	(IPP)	SEASIDE MORNING GLORY	IPOMOEA PES-CAPRAE
	PEO	BABY RUBBER PLANT	PEPEROMIA OBTUSIFOLIA
	(TURF)	ZOYSIA	





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THE GATES HOTEL SUNSET GREEN

PERMIT SET

3824 N ROOSEVELT BLVD.

KEY WEST, FLORIDA

Project Number: FL16102

Reviewed: PW, KT

Date Issued: MARCH 28, 2017

Revisions:

Sheet Title: PLANTING PLAN (UNDERSTORY)

Sheet Number:

SCALE: 1"=20"

				PLANT LIST		
	SHADE TREES					
QTY	GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME	SIZE	REMARKS
8		B53	GUMBO LIMBO	BURSERA SIMARUBA		FLORIDA #1; CHARACTER FORM; 8' CLEAR HEIGHT; CONTAINER GROWN
	PALM TREES					
QTY	GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME	SIZE	REMARKS
47		CN	COCONUT PALM	COCOS NUCIFERA 'GREEN MALAYAN'	14', 18', 22' HT. GW	FLORIDA #1 WITH CHARACTER (CURVED TRUNKS AND VISIBLE LEAN); FIELD GROWN
3	34 E	SP10	SABAL PALM	SABAL PALMETTO	(IN EQUAL	FLORIDA #1; BOOTED AND UNBOOTED WITH CHARACTER (CURVED TRUNKS AND VISIBLE LEAN); FIELD GROWN.
24	2	VM	VEITCHIA PALM	VEITCHIA MONTGOMERYANA		FLORIDA #1; EQUAL QUANTITY DOUBLES AND TRIPLES; FIELD GROWN.
	ORNAMENTAL	TREE	S			
QTY	GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME	SIZE	REMARKS
3	+	CC6	JAMAICAN CAPER	CAPPARIS CYNOPHALLOPHORA	6' HT.	FLORIDA #1; MULTI-TRUNK; 3-5 TRUNKS; CONTAINER GROWN.
12	\bigcirc	CE	SILVER BUTTONWOOD	CONOCARPUS ERECTUS	6' HT.	FLORIDA #1; SINGLE TRUNK; STRIAGHT CENTRAL LEADER; FULL, UNIFORM CANOPY; CONTAINER GROWN.
6	0	G56	LIGNUMVITAE	GUAIACUM SANCTUM	12' HT.	FLORIDA #1; MULTI-TRUNK; 3-5 TRUNKS; CHARACTER FORM; CONTAINER GROWN.
8		MYF6	SIMPSON STOPPER	MYRCIANTHES FRAGRANS	12 ¹ HT.	FLORIDA #1; MULTI-TRUNK; 3-5 TRUNKS; CHARACTER FORM; CONTAINER GROWN.
	EXISTING TREES					
QTY	GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME	SIZE	REMARKS
	TIXX	TXXX	RELOCATED PALM	REF. TD 1.01 FOR SPECIES	REF. TD SERIES FOR SIZE AND EXISITNG ON-SITE LOCATION	REF. TREE RELOCATION NOTES ON SHEET TD 1.02 FOR ADDITIONAL REQUIREMENTS
	T1XX	TXXX	RELOCATED SHADE TREE	REF. TD 1.01 FOR SPECIES	REF. TD SERIES FOR SIZE AND EXISITNG ON-SITE LOCATION	REF. TREE RELOCATION NOTES ON SHEET TD 1.02 FOR ADDITIONAL REQUIREMENTS

	PLANT LIST					
	SHRUBS, ORN	AMEN	TAL GRASSES, AND	VINES		
QTY	GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME	SIZE	REMARKS
2	\Diamond	BB	BOUGAINVILLEA	BOUGAINVILLEA SPP.	6' HT, 7 GAL.	WHITE; PLANT 60" O.C.
287		CHI	RED TIP COCOPLUM	CHRYSOBALANUS ICACO		PLANT 36" O.C.
413		DI	BICOLOR IRIS	DIETES BICOLOR	24" HT., 3 GAL.	PLANT 36 O.C.
48	0	HAP	DWARF FIREBUSH	HAMELIA PATENS	24" HT, 3 GAL.	PLANT 36" O.C.
420	♥	NEF	MACHO FERN	NEPHROLEPIS FALCATA 'MACHO'	24" HT., 3 GAL.	PLANT 30" O.C.
101		PAA	BEACH PANIC GRASS	PANICUM AMARUM	36" HT, 3 GAL.	PLANT 36" O.C.
220	\otimes	PRC	PHILODENDRON 'ROJO CONGO'	PHILODENDRON 'ROJO CONGO'	36" O.A. 3 GAL.	PLANT 42" O.C.
50	®	SAB	MAIDENBUSH	SAVIA BAHAMENSIS	24" HT., 3 GAL.	PLANT 36" O.C.
64		SER	SAW PALMETTO	SERENOA REPENS	24" HT, 5 GAL	PLANT 36" O.C.
76	#	STR	BIRD OF PARADISE	STRELITZIA REGINAE	42" HT., 3 GAL.	PLANT 36" O.C.
47		ZAP	COONTIE	ZAMIA PUMILA	24" HT, 5 GAL.	PLANT 36" O.C.
	PERENNIALS, GROUNDCOVERS, AND ANNUALS					
QTY	GRAPHIC	KEY	COMMON NAME	SCIENTIFIC NAME	SIZE	REMARKS
81		(IPP)	SEASIDE MORNING GLORY	IPOMOEA PES-CAPRAE	18" SPREAD, 1 GAL.	â .
1142		PEO	BABY RUBBER PLANT	PEPEROMIA OBTUSIFOLIA	12" O.A., 1 GAL.	PLANT 12" O.C.
0		TURF	ZOYSIA			

PLANTS - SECTION 32 9300 TECHNICAL SPECIFICATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specifications Sections, apply to this Section.

1.2 SUMMAR

A. Furnish all labor, material equipment and services necessary to provide all landscape planting, complete in place, as shown and specified. This Section includes the following:

Trees.
 Shrubs.

Soils.
 Mulches.

Stakes and guys.

A. Provide all materials, labor, equipment and services required for the execution of all planting and related work as shown on the drawings and noted herein.

1.4 APPLICABLE STANDARDS

A. ANSI Z60.1 "American Standard for Nursery Stock."

B. "Florida Grades and Standards for Nursery Plants"

1.5 SUBMITTALS

A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.

Product certificates signed by manufacturers certifying that their products comply with specified requirements.

1. Manufacturer's certified analysis for standard products.

2. Analysis for other materials by a recognized laboratory made according to methods established by the

Association of Official Analytical Chemists, where applicable.

3. Label data substantiating that trees, shrubs, and planting materials comply with specified requirements.

C. Prior to initiating all work, provide the Landscape Architect with samples of each of the following:
1. 1 lb. of Pine Straw Mulch, in a labeled plastic bag.

1 lb. of soil, in a labeled plastic bag. Label needs to come from the supplier and be attached to the bag.
 Soil test report of the soil. (to accompany the soil sample) Submit soil test results listing pH, fertility levels, texture report (percentages of sand, silt, clay and organic matter) and maximum particle size. Include the option for recommended amendments for all testing types. Test report to be conducted within two (2) months of construction start date. Contact the University of Florida ETSL (Extension Soil Testing Laboratory). http://soilslab.ifas.ufl.edu. Provide Commercial Soils report with cover sheet.

1 lb. of compost, in a labeled plastic bag. Label needs to come from the supplier and be attached to the bag.

 1 lb. of prepared planting bed soil mix, in a labeled plastic bag. Label needs to come from the supplier and be attached to the bag.

Tree and plant photos.
Planting schedule indicating anticipated dates and locations for each type of planting

Planting schedule indicating anticipated dates and locations for each type of planting.

Percolation tests on the subgrade in the excavated planting bed areas.

1.6 QUALITY ASSURANCE

A. Source Quality Control:

Submit documentation to Landscape Architect within fifteen (15) days after award of Contract that all plant material is available and has been purchased or reserved. Contractor shall be responsible for all material listed on plant list. Any and all substitutions due to unavailability must be requested in writing prior to confirmation of ordering. All materials shall be subject to inspection by Landscape Architect at any time after confirmation of ordering.

2. Plants shall be subject to inspection and approval of Owner and Landscape Architect at place of growth or upon delivery for conformity to specifications. Such approval shall not impair the right of inspection and rejection during progress of the work. Inspection and tagging of plant material by the Landscape Architect is for design intent only and does not constitute the Landscape Architect's approval of the

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with all other site contractors. Hand excavate as required. Maintain grade stakes until removal is mutually agreed upon by parties concerned.

B. Excavation: When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions, or obstructions, notify Landscape Architect before planting.

records of bad weather days and notify Landscape Architect as they occur.

Schedule: Install trees and shrub plant material before lawn installation has commenced. Contractor to

Work continuously on the site with exception of bad weather delays until the project is completed. Maintain

D. Schedule: Install trees and shrub plant material before lawn installation has commenced. Contractor to coordinate work with all other trades as stated in General Conditions.

1.9 <u>WARRANTY</u>

A. General Warranty: The special warranty specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents.
 B. Special Warranty: Warrant the following living planting materials for a period of one year after date of

Substantial Completion, against defects including death and unsatisfactory growth, except for defects resulting from lack of adequate maintenance, neglect, or abuse by Owner, abnormal weather conditions unusual for warranty period, or incidents that are beyond Contractor's control.

Trees.
 Shrubs.

condition for a period of one year after date of written Substantial Completion of project landscape installation. The cost of replacements is at the Contractor's expense. Material to be replaced with fifteen (15) days of written notice by Owner or Landscape Architect.

C. All plant material installed under the Contract shall be guaranteed to remain alive and in healthy vigorous

D. Warranty shall not include damage or loss of plants due to acts of God, acts of vandalism, or negligence on the part of the Owner, as determined by the Landscape Architect.

E. Remove and replace dead planting materials immediately unless required to plant in the succeeding planting

F. Replace planting materials that are more than 25 percent dead or in an unhealthy condition at end of warranty period. Replacements shall be in accordance with the drawings and specifications and shall be guaranteed as set forth in sections A and B above.

G. Contractor shall remove all staking, guying and wrapping materials at the end of the guarantee period.

1.10 TREE AND SHRUB MAINTENANCE

A. Maintain trees and shrubs by pruning, cultivating, watering, weeding, restoring mulch and retention basins, tightening and repairing stakes and guy supports, and resetting to proper grades or vertical position, as required to establish healthy, viable plantings. Contractor shall submit a list and manufacturer information for all chemicals to be used on site for Owner approve prior to any chemical applications. Restore or replace damaged tree wrappings. Maintain tree and shrubs for the following period.

1. Maintenance Period: Maintain for 1 year after Final Acceptance for each phase of work completed).

PART 2 - PRODUCTS

2.1 TREE AND SHRUB MATERIAL

A. General: Furnish nursery grown trees and shrubs conforming to ANSI Z60.1, with healthy root systems developed by transplanting or root pruning. Provide well-shaped, fully branched, healthy, vigorous stock free of disease, insects, eggs, larvae, and defects such as knots, sun scald, injuries, abrasions, and disfigurement. Plants shall be in accordance with the Florida Department of Agriculture and Consumer Services regulations for nursery inspections, rules and rating. All plants shall have a normal habit of growth and shall be full, well branched, well-proportioned and symmetrical. Plants shall be sound, healthy, and vigorous. The Landscape Architect reserves the right to examine the roots of any plant material he determines questionable. Samples to be chosen randomly and shall be at the Contractor's expense.

Field-grown trees and palms shall be nursery-grown and hardened off (pre-dug) for a minimum of six (6) weeks prior to deliver to job site. Container grown trees shall be nursery grown.

Trees with included bark within major branch unions, root balls that have bound or girdled roots, or trees with synthetic burlap will not be accepted. The top of the first major root originating from the trunk must be within

one inch of the top of the root ball. If the first root is deeper than this, the tree will be rejected.

B. Grade: Provide trees and shrubs of sizes and grades conforming to the "Florida Grades and Standards for Nursery Plants" for type of trees and shrubs specified. All trees to be Florida Grade #1 or better as specified on plans. Trees and shrubs of a larger size may be used if acceptable to Landscape Architect with a proportionate increase in size of roots or balls. The minimum acceptable size of the plants will correspond

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plant materials in regards to their health and vigor as specified in Section 2. The health and vigor of the plant material is the sole responsibility of the Contractor.

3. Contractor shall submit photos of all selected plant material for review and approval by Owner and Landscape Architect. Photos shall be taken with a measurement stick or rod so that the height of the plant material can be reviewed. Photos shall also include the species, place of growth and quantity of plants. After the photo submission and approval, the Owner reserves the right to tag plant material at the selected nursery. Landscape Architect reserves the right to refuse inspection at this time, if in their judgment, a sufficient quantity of plants is not available for inspection.

 The Contractor shall submit samples and/or specifications of any item being used on site upon the request of the Landscape Architect.

B. Installer Qualifications: Engage an experienced Installer with five years of experience who has completed landscaping work similar in material, design, and extent to that indicated for this Project and with a record of successful landscape establishment.
1. Installer's Field Supervision: Require Installer to maintain an experienced full-time supervisor on the

project site during times that landscaping is in progress.

Provide quality, size, genus, species, and variety of trees and shrubs indicated, complying with applicable

requirements of ANSI Z60.1 "American Standard for Nursery Stock."

D. Measurements: Measure trees and shrubs according to ANSI Z60.1 with branches and trunks or canes in their normal position. Do not prune to obtain required sizes. Height measurement shall be taken from ground level for field grown stock and from the soil line for container grown stock, which should be at or near the top of the root flare. Take caliper measurements 6 inches above ground for trees up to 4-inch caliper size, and 12 inches above ground for larger sizes. Measure main body of tree or shrub for height and

1.7 DELIVERY, STORAGE, AND HANDLING

spread; do not measure branches or roots tip-to-tip.

A. Packaged Materials: Deliver packaged materials in original unopened containers showing weight, analysis, and name of manufacturer. Protect materials from deterioration during delivery and while stored at site. The Contractor shall furnish the Landscape Architect with copies of all receipts for all materials and amendments specified in this section.

B. Tree root balls shall be irrigated just prior to shipping. Trees shall be secured in the truck so as not to roll. Do not allow closed trucks to remain standing in the sun in hot weather unless they are air-conditioned. B&B trees shall have their root balls shrink-wrapped prior to transporting them from the nursery.

Trees shall be shipped to the site in enclosed vans or covered with woven shade tarp.

C. The Contractor shall notify the Landscape Architect seven (7) days in advance of delivery of all plant materials and shall submit an itemized list of the plants in each delivery. Deliver all plants with legible identification labels stating proper botanical names and sizes indicated on plant list. Deliver trees, shrubs, ground covers, and plants after preparations for planting have been completed and install immediately. If planting is delayed more than 6 hours after delivery, set planting materials in shade, protect from weather and mechanical damage, and keep roots moist so that plants are maintained in a healthy, vigorous condition. Protect plant material during delivery to prevent damage to root balls, trunks or branches or desiccation of leaves.

Set balled stock on ground and cover ball with soil, peat moss, sawdust, or other acceptable material.
 Do not remove container-grown stock from containers before time of planting.

Water root systems of trees and shrubs stored on site with a fine-mist spray. Water as often as necessary to maintain root systems in a moist condition.

Trees and Shrubs: Deliver freshly dug trees and shrubs. Do not prune before delivery, except as approved by Landscape Architect. Protect bark, branches, and root systems from sunscald, drying, sweating, whipping, and other handling and tying damage. Do not bend or bind-tie trees or shrubs in such a manner as to destroy natural shape. Provide protective covering during delivery to prevent desiccation. Do not drop trees and shrubs during delivery. Plant materials that have been damaged in any way will be discarded and if installed,

shall be replaced with undamaged materials at the Contractor's expense.

Tree delivery and installation shall be coordinated such that they are completed on the same day. Should planting be unavoidably delayed, contractor shall store trees in an upright manner, or a manner acceptable to

the Landscape Architect.

F. Under no circumstances is plant material to be handled by stem or trunk. All trees are to be handled with flexible straps secured around rootball.

1.8 PROJECT CONDITIONS

PLANTS

A. Utilities: Determine location of above grade and underground utilities and perform work in a manner which will avoid damage. Contractor is responsible for any damage to utilities and Owner's property. Coordinate

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PLANTS

with that of normally expected for species and varieties of commercially available nursery stock or as specified in the plant list shown on the drawings. Plants larger in size than specified may be used with approval of the Landscape Architect, but the use of larger plants will make no change in the Contract price. If the use of larger plants is approved, the ball of earth or spread of roots for each plant will be increased proportionately. (Materials planted in masses shall be of a uniform size).

C. All plants not conforming to the requirements herein specified shall be considered defective and such plants whether in place or not, shall be rejected and immediately removed from the site and replaced with new plants at the Contractor's expense. The plants shall be of the species, variety, size and conditions specified herein or as shown on the drawings. Under no conditions will there be any substitutions of plants or sizes listed on the accompanying plans, except with the written consent of the Landscape Architect.

D. Pruning: At no time shall trees or plant materials be pruned, trimmed or topped prior to delivery and any alteration of their shape shall be conducted only with the approval, and when in the presence of, the Landscape Architect.

E. Plant material shall be true to botanical and common name and variety as specified on the drawings.

2.2 SHADE TREES, ORNAMENTAL TREES, AND PALMS

A. Shade Trees: Single-stem trees (unless otherwise noted on plans) with straight trunk, well-balanced crown, and intact leader, of height and caliper indicated, conforming to the "Florida Grades and Standards for Nursery Plants" for type of trees required.

Branching Height: 1/3 to 1/2 of tree height.
 Nursery Grown and Collected Stock:

a. All material shall have been grown under climatic and soil conditions similar to those in locality of

b. Container-grown stock in vigorous, healthy condition, not root-bound or with root system hardened off shall have grown in container from seedling and have been grown in container for a

c. Use only liner stock plant material which is well established in removable containers or formed

homogeneous soil sections.
d. All material shall be nursery grown unless otherwise called out on plans.

e. No plants shall have flush cuts or open injuries.f. Root balls shall be appropriately sized.

3. All balled and burlapped trees shall have firm, natural root balls or sufficient size to encompass the fibrous and feeding root system necessary for full recovery and establishment of the plant. Cracked or soft or "mushroomed" rootballs will be unacceptable. Ball size shall conform to the latest edition of the Florida Grades and Standards for Nursery Plants. B&B materials shall be firmly wrapped with 100% organic burlap.

4. Florida Fancy: <u>Trunk</u>: Straight, Single Trunk (<5° bow), <u>Branching</u>: Large branches spaced min. 6" apart along the trunk; No branches greater than 2/3 the diameter of the trunk; No vertical branches; <u>Structural Uniformity</u>: Branches evenly distributed around trunk; No major branch located directly above another; Full, even crown of foliage; Ref. the current edition of the "Florida Grades and Standards for Nursery Plants" for additional information.

5. Florida #1: <u>Trunk</u>: Trunk may fork in the upper half of tree; Trunk bows less than 15°; <u>Branching</u>: All branches equally dominant; Branches are at least 4" apart; a single branch in the upper half of tree may be larger than 2/3 the diameter of the trunk; No branch tips are taller than the trunk. <u>Structural Uniformity</u>: Most branches are evenly distributed; Only one major branch located directed above another; Small voids may be present in foliage. Ref. the current edition of the "Florida Grades and Standards for Nursery Plants" for additional information.

B. Ornamental Trees: Small upright or spreading type, branched or pruned naturally according to species and type, and with relationship of caliper, height, and branching recommended by ANSI Z60.1, and stem form as follows:

1. Form: Multitrunk, with 3 – 5 Canes/Trunks.

2. Palms – Single Trunk, Pinnate or Palmate: Those pinnate (or palmate) -leaved palms which normally do not sucker.

Florida Fancy: <u>Trunk</u>: Mature Palms must meet or exceed the caliper specifications for the class; Well formed, with no abrupt changes in caliper unless typical of the normal growth of the species; No holes, cavities, gouges, depressed areas or other defects; Petioles cut clean and symmetrically at the trunk on any old leaf-bases remaining. <u>Fronds or Leaves</u>: Heavy, dense canopy with all petioles in ascending position; 75% excellent leaves; No live insects or symptoms of plant disease; No extreme succulence.
 Florida #1: A single grade deduction from the "Florida Grades and Standards for Nursery Plants"
 Provide balled and burlapped trees and/or container grown trees as required on planting plans.

32.03

T B G



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Project:

THE GATES HOTEL SUNSET GREEN

PERMIT SET

3820 N ROOSEVELT BLVD. KEY WEST, FLORIDA

Project Number:

Drawn: AH, KT, S

Designed: PW, AH

Reviewed: PW, KT

Date Issued: MARCH 28, 2017

Revisions:

Sheet Title:
PLANT LIST AND

Sheet Number:

LP 3.01

2.3 PLANTS 2.7 FERTILIZER PART 3 - EXECUTION 3.1 EXAMINATION PLANTS Protect existing site amenities during landscape operations. Removal of containers: a. Remove bottom of plant boxes before planting. Remove sides of box without damage to root ball Remove top 1/3 or burlap from balled and burlapped materials after setting plant. c. Remove all plastic fabrics, containers, ropes, and wires from shrubs and tree canopies. B. All plants shall be set upright and plumb in center of hole. Plants or trees in formal plantings shall be laid out

PLANTS

after positioning plant and partially backfilling.

according to the dimensions on plans. Plants shall be set to give best appearance. All plants shall set level with finished grade upon completion of planting operations. Adjust tree and shrub elevations should settling

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PLANTS

finish grades as indicated. Place stock on setting layer of compacted planting soil Provide plants established and well rooted in removable containers or integral peat pots and with not less Remove burlap and wire baskets from tops of balls and partially from sides, but do not remove from than the minimum number and length of runners required by ANSI Z60.1 for the pot size indicated. under balls. Remove pallets, if any, before seeing. Do not use planting stock if ball is cracked or broken before or during planting operation. Backfill with planting mix around ball in layers, tamping to settle backfill and eliminate voids and air Backfill soil shall meet the City of Key West standards. Soil in sidewalk cut outs, parking lot islands, and pockets. When pit is approximately 1/2 backfilled, water thoroughly before placing remainder of planting mix. Repeat watering until no more is absorbed. Water again after placing and tamping final other small spaces shall be replaced or amended to improve conditions. Backfill to be reasonably free from clay lumps, coarse sands, stones, roots, and other foreign matter. There shall be no toxic amounts of acid or D. Set container-grown stock plumb and in center of pit or trench with top of ball raised above adjacent finish alkaline elements. Submit samples to Landscape Architect for approval. grades as indicated. Carefully remove containers so as not to damage root balls. Place stock on setting layer of compacted planting soil A. Soil to be locally available and native to the region and shall meet the following specifications: Clean, Brown Sand - 70% Backfill with planting mix around ball in layers, tamping to settle backfill and eliminate voids and air pockets. When pit is approximately 1/2 backfilled, water thoroughly before placing remainder of planting mix. Repeat Muck Mix - 30% watering until no more is absorbed. Water again after placing and tamping final layer of planting mix. Shall be free of trash, weeds, deleterious materials, rocks and debris. Plants shall be installed in straight rows and evenly spaced to fill bed, unless otherwise noted, and at intervals 100% shall pass through a 1/2" screen. called out in the drawing. Triangular spacing shall be used unless otherwise noted on the drawings. Soil to be loamy material that meets the requirements of USDA textural triangle. Dish and tamp top of backfill to form a retention basin around the rim of the pit. Ref. Planting Details Sheet B. Prepared Planting Bed Mix: 1. Mix 70% Clean, Brown Sand with 30% Muck Mix for height of basin. Do not cover top of root ball with planting mix. G. After installation of all shrubs, groundcover and annuals, plantings shall be watered thoroughly. Any settling of plants or finished grade that occurs shall be repaired prior to installation of mulch. Finished grade of A. Pine Straw Mulch: The mulch shall be free from deleterious materials and suitable as a top dressing of trees planting beds to be ½" below finished grade of adjacent pavement or curb. Specimen Tree Transplanting 1. Contractor to follow ANSI A300 recommendations for all transplanted trees. Apply Osmocote 18-06-12 Controlled Release Fertilizer (or approved equal) at label rate. Submit any 3.5 TREE AND SHRUB PRUNING A. Prune, thin, and shape trees and shrubs ONLY as directed by Owner/Landscape Architect. request for substitution to Landscape Architect for Approval. 3.6 TREE STAKING 2.8 PRE-EMERGENT HERBICIDE Staking: Stake all trees according to Planting Detail. 1. Apply granular Chipco® Ron-Star®-G or approved equal at label rate. Palm Staking: Stake according to detail. All Bracing to be painted. Color to be determined by landscape architect/owner. For Shade and Ornamental Trees: (3) 8'x2"x4" Wood Batton; Painted (Color to be selected by owner). Ref. Planting Details Sheet for additional information. Mulch backfilled surfaces of tree pits and all shrub and other plant areas. Ref. Planting Details for depth of B. (3) 2x4x8 Wood Batton per Palm; Painted (Color to be determined), connected with steel bands. Ref. mulch and other information. Planting Details Sheet for additional information. Burlap Chafing Guard: Placed between trunk and Wood Batton to protect Palm Trunk from damage. D. (3) 2x4 Pressure Treated Wood Brace per Palm; Painted (Color to be determined), toe nail to batton. Do not 3.8 CLEANUP AND PROTECTION A. During landscaping, keep pavements clean and work area in an orderly condition. nail into trunk. Protect landscaping from damage due to landscape operations, operations by other contractors and trades, and trespassers. Maintain protection during installation and maintenance periods. Treat, repair, or replace A. Furnished by owner; transport as required. damaged landscape work as directed. 3.9 <u>DISPOSAL OF SURPLUS AND WASTE MATERIALS</u> Disposal: Remove surplus soil and waste material, including excess subsoil, unsuitable soil, trash, and debris, and legally dispose of it off the Owner's property. A. Obtain Owner's certifications that rough grades to plus or minus 0.10' have been established prior to commencing planting operations. Provide for inclusion of all amendments, settling, etc. Landscape 3.10 ACCEPTANCE Contractor shall be responsible for shaping and fine grading all planting areas as indicated on plans or as A. The landscape will be reviewed provided all work is in compliance with the specifications and drawings and all plants are in healthy, vigorous condition. Inspection to determine substantial completion of planted areas will directed by Landscape Architect. B. Verify location of all utilities prior to pit excavation and grading. Contractor is responsible for any damage to be made by Landscape Architect upon Contractor's request. B. Substantial Completion will be granted when all plant material has been installed and completed and clean up utilities and Owner's property. Coordinate with all other site contractors. C. Perform a percolation test on the subgrade at the bottom of the excavated planting beds. A one (1) inch on site has occurred. percolation rate per hour is required prior to installation of planting bed mix. For example, if a planting bed is C. Final Acceptance will be granted when: excavated at a twelve (12) inch depth, the bed should be filled with water, and after twelve hours, all the water 1. All trees planted on site that are deemed unacceptable have been replaced and a fresh layer of mulch should be gone. Testing should be performed in multiple locations on the site and submitted on a plan to be has been installed in all tree rings. 2. All shrubs and groundcovers planted on site that are deemed unacceptable have been replaced and a approved by the Landscape Architect. Contractor to notify the Landscape Architect prior to starting the test. fresh layer of mulch has been installed in all bed areas. The Landscape Architect may choose to visit the site at the beginning and at the conclusion of the testing. 32 9300-5 **PLANTS** 32 9300-7 Contractor to submit a report on the results of the testing. If the specified percolation rate is not achieved, the All items listed on punch lists and field reports have been completed. Contractor will need to perform soil ripping 3.11 OBSERVATION SCHEDULE D. Inspect trees and shrubs for inquiry, insect infestation and trees and shrubs for improper pruning. Do not A. The Contractor shall be responsible for notifying the Landscape Architect in advance for the following site begin planting of trees until deficiencies are corrected or plants replaced. Quantities shown on plans are for the convenience of the Contractor. In case of discrepancy between the visits, according to the time indicated: plant list and the plans, the plans shall govern. The Contractor is also responsible for determining the Pre-job conference - 7 days quantities needed to complete the installation to the full extent dimensioned on the drawings. Final grade review – 48 hours Plant material review - 48 hours Plant layout review - 48 hours A. Lay out individual tree and shrub locations and areas for multiple plantings. Stake locations, outline areas, Soil preparation and planting operations. One tree with each type of specified staking shall be approved prior to planting of trees - 48 hours and secure Owner/Landscape Architect's acceptance before the start of planting work. Make minor adjustments as may be required. Provide 48 hour notice for Landscape Architect Review. Substantial Completion/Pre-maintenance – 7 days Final walk-through – 7 days B. Planting mix for all shrub beds as indicated on the plans and tree backfilling to consist of the prepared B. When observations are conducted by someone other than the Landscape Architect, the Contractor shall show planting bed mix. C. Contractor to provide 48 hours' notice to Landscape Architect prior to mixing of any soil on site for approval of evidence in writing of when and by whom these observations were made. C. No site visits shall commence without all items noted in previous Observation Reports either completed or D. If soils are mixed off site, contractor shall submit location of pre-mix and mix analysis for Landscape Architect. remedied unless such compliance has been waived by the Owner. Failure to accomplish punch list tasks or prepare adequately for desired inspections shall make the Contractor responsible for reimbursing the Landscape Architect at his current billing rates per hour (plus transportation costs). No further inspections 3.3 EXCAVATION FOR TREES AND SHRUBS A. Layout of Major Plantings: Tree locations and outlines of planting beds shall be marked on the ground by the shall be scheduled until this charge has been paid and received. Contractor before any plant pits are dug. All such locations shall be approved by the Landscape Architect. If 3.12 EXPIRATION OF GUARANTEE PERIOD underground construction or utility line is encountered in the excavation of planting areas, other location for planting may be selected by the Landscape Architect. Notify Landscape Architect 5 days in advance to allow A. The Contractor shall be responsible for notifying the Owner 30 days prior to the expiration of the warranty period (see section 1.7). The Contractor shall coordinate a meeting at such time with the Owner and B. Pits and Trenches: Excavate with vertical sides and with bottom of excavation slightly raised at center to Landscape Architect to inspect all plant material for its health. All plant material deemed dead or unhealthy is assist drainage. For all tree excavation, roughen glazed surface on sides and bottom of the excavation holes to be replaced at the Contractor's expense and shall be guaranteed for a time period equal to that of the original warranty. Contractor shall remove all staking, guying and wrapping materials at the end of the by use of hand tools. warranty period. Continuous planting beds for shrubs and groundcovers, depth of excavation: a. 16 inches below mulch layer Trees and shrub pit dimensions **END OF SECTION 32 9300** Depth: Height of the rootball (vertical sides) b. Width: Two times (2x) the diameter of the rootball. 3. All excess soil excavated from beds to be hauled off and disposed of in a lawful manner offsite unless by written consent, the Landscape Architect directs the Contractor to supplement lawn area with approved excavated soil. Contractor shall fracture and break rock or clay if encountered in excavation and perform a drainage test. The tree, shrub or planting pits shall be filled with water and shall drain completely within a 24 hours period to be acceptable for planting. Notify Landscape Architect upon such occurrences. Contractor to scarify and roughen bottom and sides of pit to ensure that glazing of clay pit does not occur. Contractor to be responsible to provide adequate drainage through shrub beds to prevent Planting soil shall NOT be compacted after installation. Plant material must be installed within five (5) days of soil installation to reduce compaction. If plant material is not installed and planting soil is compacted, the Contractor will have to remove the planting soil and replace with new un-compacted 3.4 PLANTING TREES AND SHRUBS A. Planting of Trees and Shrubs: Protect all areas from excessive compaction when trucking plants or other material to the planting site.

C. Set balled and burlapped stock plumb and in center of pit or trench with top of ball raised above adjacent



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Austin - Dallas - Fort Lauderdale Fort Worth - Houston - San Antonio - Tulsa

Project:

THE GATES HOTEL SUNSET GREEN

PERMIT SET

3820 N ROOSEVELT BLVD.

KEY WEST, FLORIDA

Project Number:

Designed: PW, AH

Reviewed: PW, KT

Date Issued: MARCH 28, 2017

Revisions:

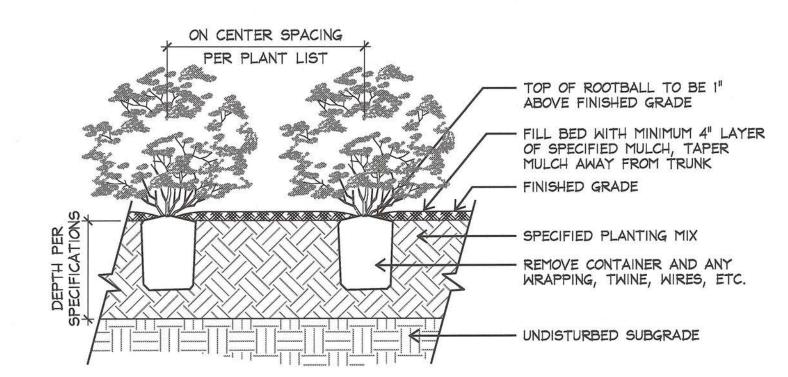
Sheet Title:

Sheet Number:

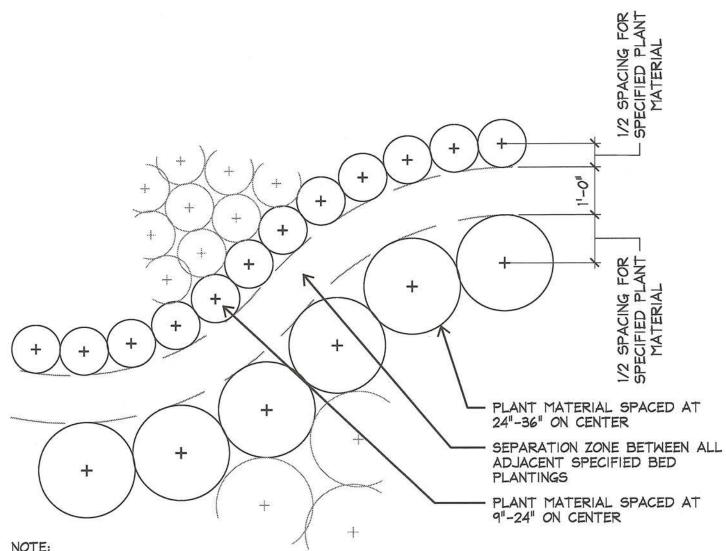
32 9300-8

8 SHOVEL CUT EDGE SECTION

NOT TO SCALE

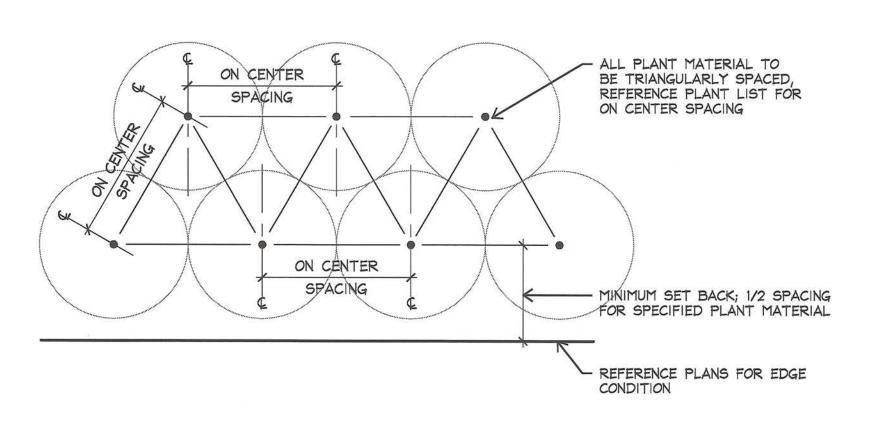


→ SHRUB BED PLANTING NOT TO SCALE

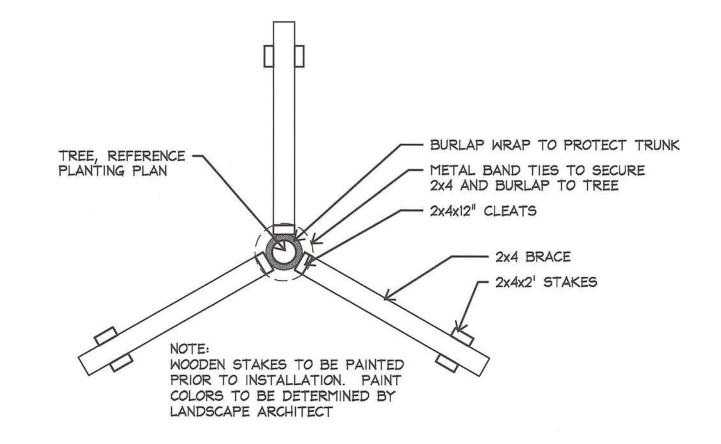


THIS DETAIL IS DRAWN TO SHOW THE INTENDED PLANTING LAYOUT OF ADJACENT SHRUB BEDS ALONG CURVES. CONTRACTOR TO PLANT ALL PERIMETER OF BED AREAS AS SHOWN AND THEN PLANT THE REMAINDER OF THE BED TRIANGULARLY AT THE SPECIFIED SPACING.

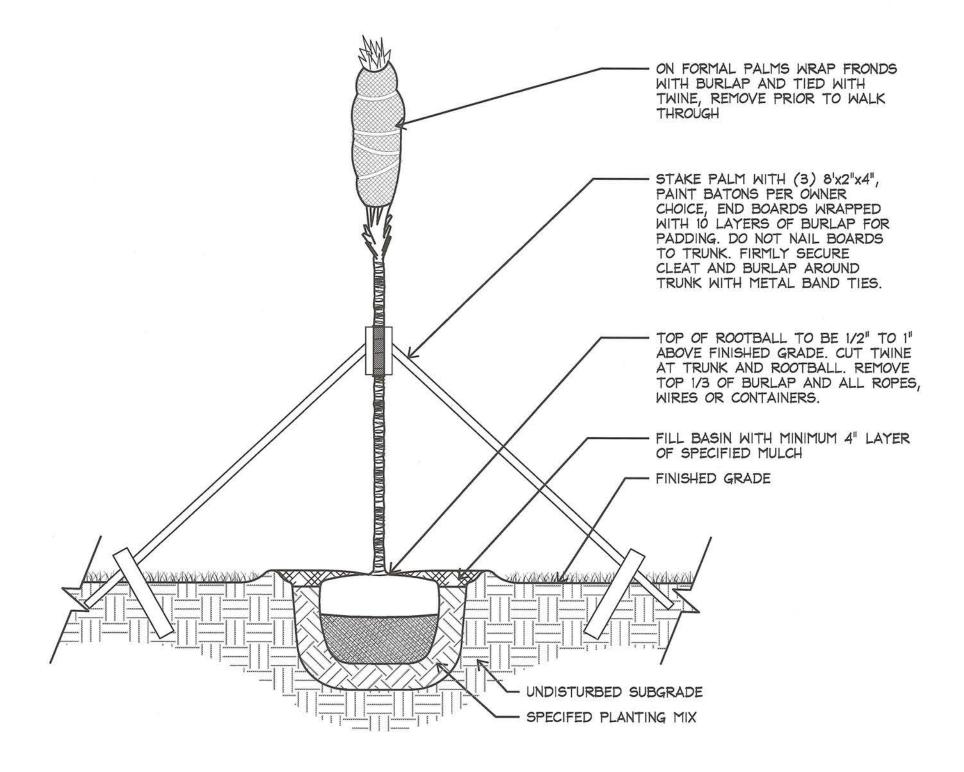
6 CURVED BED LAYOUT PLAN NOT TO SCALE



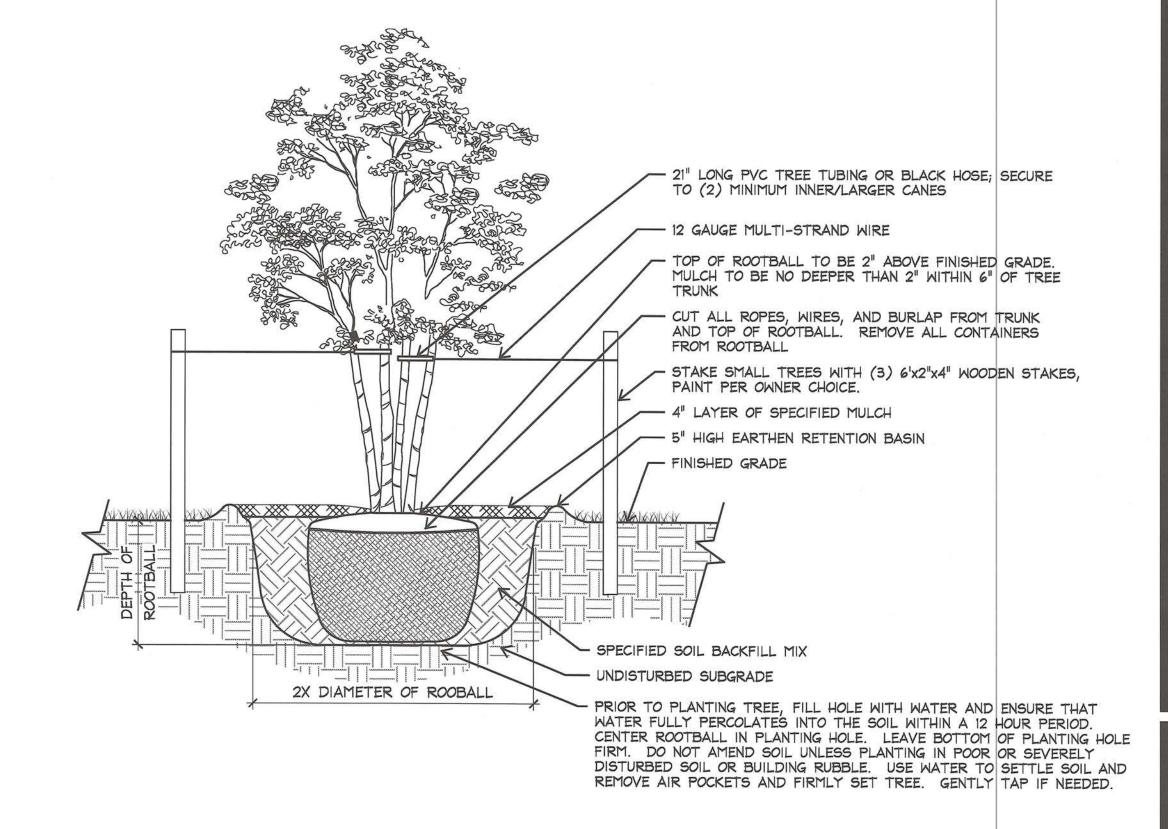
5 PLANT SPACING
PLAN NOT TO SCALE

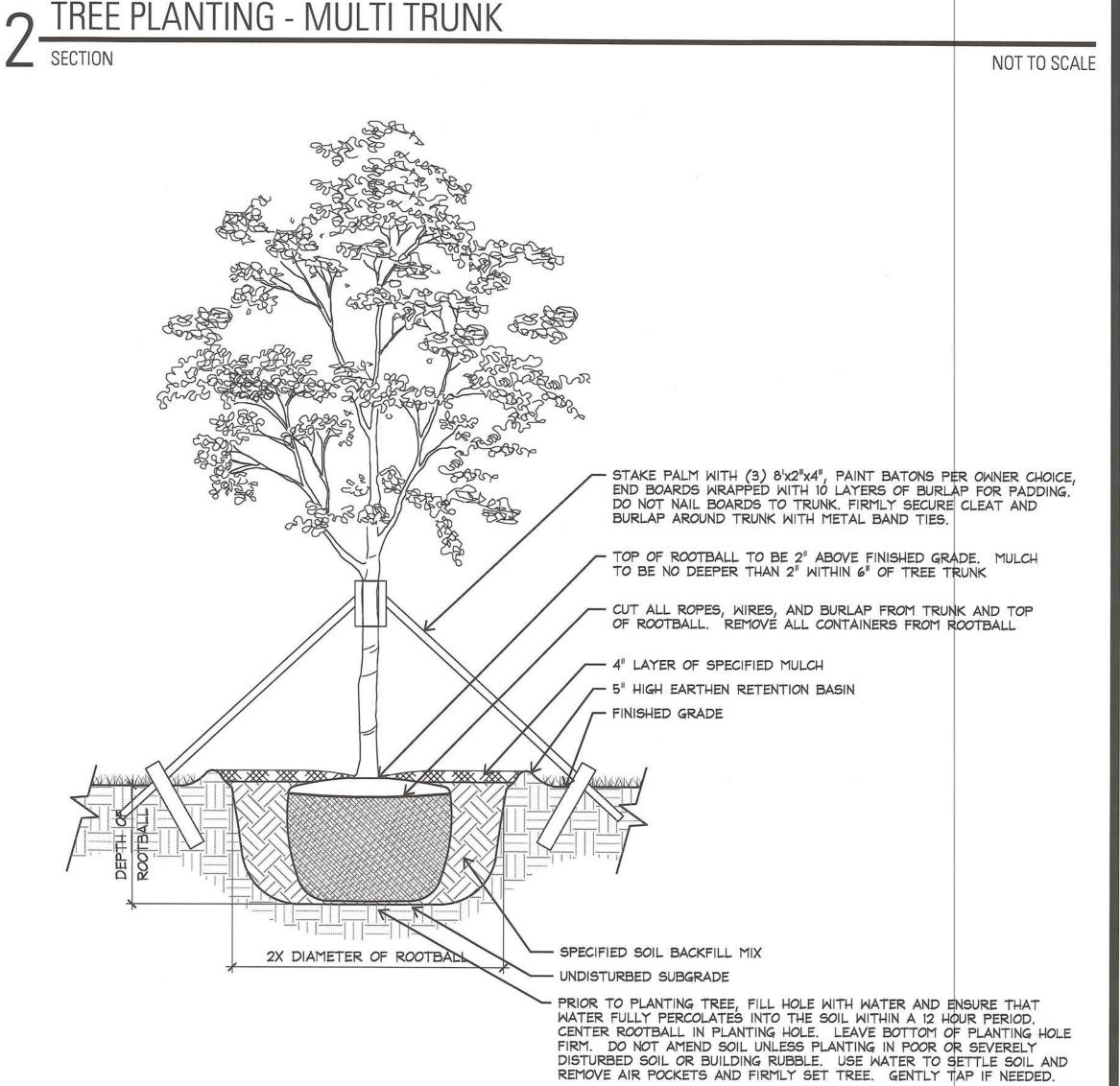


PALM TREE STAKING



3 PALM TREE PLANTING - STANDARD TRUNK SECTION





TREE PLANTING - STANDARD TRUNK

NOT TO SCALE



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3820 N ROOSEVELT BLVD. KEY WEST, FLORIDA

Project Number:

FL16102

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AH, KT, SM

Reviewed: PW, KT

Drawn:

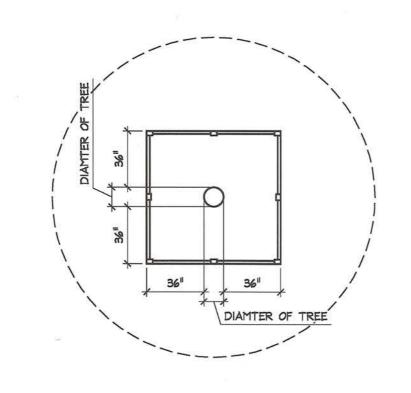
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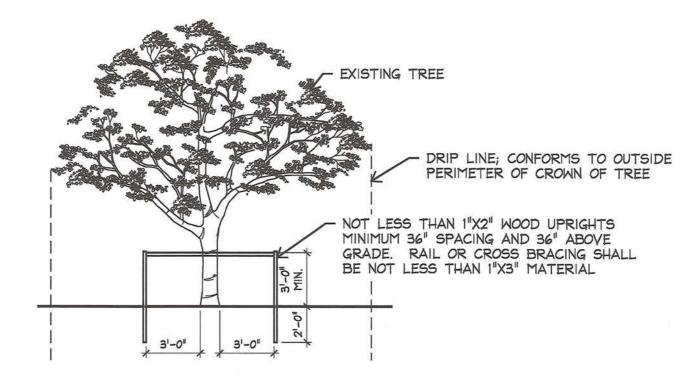
Revisions:

Sheet Title: PLANTING DETAILS

Sheet Number:

NOT TO SCALE





TREE PROTECTION

PLAN SCALE: 3/16"=1'-0"

7 TREE PROTECTION

SCALE: 3/16"=1'-0"

TREE PROTECTION NOTES:

- 1. ALL TREES NOT LOCATED WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE OF DISTURBED AREAS SHALL BE PRESERVED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL TREES TO BE PRESERVED FROM HIS ACTIVITIES.
- 2. ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING. SEE TREE PROTECTION TREE LOCATION AND TREE PROTECTION FENCE DETAILS ON THIS SHEET.
- TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
- EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIPLINES.
- FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR CRITICAL ROOT ZONE (CRZ), WHICHEVER IS GREATER; AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
 - 6A. SOIL COMPACTION IN CRZ AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIAL.
 6B. CRZ DISTURBANCES DUE TO GRADE CHANGES OR TRENCHING NOT REVIEWED AND
 - AUTHORIZED BY THE LANDSCAPE ARCHITECT.
 - C. WOUNDS TO EXPOSED ROOTS, TRUNK, OR LIMBS BY MECHANICAL EQUIPMENT
 - D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CONCRETE TRUCK CLEANING, AND FIRES.
- EXCEPTIONS TO INSTALLING TREE FENCES AT THE TREE DRIPLINES OR CRZ, WHICHEVER IS GREATER, MAY BE PERMITTED IN THE FOLLOWING CASES:
 - 7A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, OR TREE WELL;
 - 7B. WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
 - 7C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER
 - THAN 6 FEET TO THE BUILDING.

 D. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS. CONTACT THE LANDSCAPE ARCHITECT TO DISCUSS
- SPECIAL REQUIREMENTS, CONTACT THE LANDSCAPE ARCHITECT TO DISCUSS
 ALTERNATIVES.
 WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN 5 FEET TO A TREE
- TRUNK, THE TRUNK SHALL BE PROTECTED BY STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.

 8. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE
- DRIPLINE OR CRZ, WHICHEVER IS GREATER, THOSE AREAS SHOULD BE COVERED WITH 6 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.
- 9. ALL GRADING WITHIN CRZ AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA.
- 10. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS...
- 11. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE WITH A
- ROCK SAW OR SIMILAR EQUIPMENT, TO MINIMIZE DAMAGE TO REMAINING ROOTS.

 3. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS ARE TO BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON LEAVES.
- 15. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
- NO LANDSCAPE TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OR CRZ OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE
- PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS. ALL PRUNING MUST BE DONE ACCORDING TO CITY STANDARDS AND AS OUTLINED IN LITERATURE PROVIDED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA PRUNING TECHNIQUES).
- THE LANDSCAPE ARCHITECT HAS THE AUTHORITY TO REQUIRE ADDITIONAL TREE PROTECTION BEFORE OR DURING CONSTRUCTION.
- 20. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
- PRIOR TO CONSTRUCTION, ALL LOWER TREE LIMBS OVER ROADWAYS MUST BE PRUNED TO A HEIGHT OF 14 FEET FOLLOWING INDUSTRY STANDARDS AS OUTLINED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE.

TREE RELOCATION NOTES:

1.) PRIOR TO TREE EXCAVATION AND RELOCATION, CONTRACTOR SHALL NOTIFY APPROPRIATE UTILITY COMPANIES FOR FLAGGING AND COORDINATION OF SERVICE DISCONNECTION AS NECESSARY TO COMPLETE WORK. NOTIFY THE OWNER AND LANDSCAPE ARCHITECT 72 HOURS PRIOR TO COMMENCING TREE RELOCATION.

- 2.) CONTRACTOR TO OBTAIN ANY PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION IN THE AREA.
- 3.) ALL TRANSPLANTING SHALL BE COMPLETED IN ACCORDANCE WITH THE NATIONAL ARBORIST ASSOCIATION (NAA): REF. 1 TRANSPLANTING OF TREES AND SHRUBS IN THE SOUTHEASTERN UNITED STATES.
- 4.) PRIOR TO BEGINNING ANY TRANSPLANTING WORK, ALL EXISTING TREES ADJACENT TO WORK SHALL BE PROTECTED BY PROVIDING TREE PROTECTION BARRIERS AROUND EXISTING TREES SUCH AS TENAX ORANGE SAFETY FENCING OR SIMILAR. BARRIERS SHALL BE LOCATED TO INCLUDE THE DRIP LINE OF TREES, PALMS AND PLANT MATERIAL. ANY EXISTING TREES DAMAGED WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE, WITH SIMILAR SPECIES, SIZE AND QUALITY.
- 5.) EMPTY TREE PITS RESULTING FROM RELOCATED MATERIAL SHALL BE BACKFILLED WITH CLEAN FILL AND BROUGHT BACK TO FLUSH WITH SURROUNDING GRADE. STABILIZE GRADE AS REQUIRED. IF PLANTS ARE TO BE IMMEDIATELY RE-PLANTED IN RESULTING TREE PITS, APPROPRIATE PLANTING SOIL SHALL BE USED AS BACKFILL MATERIAL.
- 6.) TRIMMING AND ANY NECESSARY PRUNING SHALL BE PERFORMED OR SUPERVISED BY A CERTIFIED ARBORIST TO INSURE QUALITY WORK AND MAXIMIZE SURVIVAL RATE. THE CONTRACTOR'S CREW USED FOR THE RELOCATION OF EXISTING TREES SHALL HAVE MIN. 10 YEARS EXPERIENCE IN RELOCATION OF EXISTING PLANT MATERIALS AND BE RECOGNIZED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- 7.) PRIOR TO MOVING:
 - a.) EVALUATE EXISTING TREES AND VERIFY TREES ARE FREE OF DISEASE OR OTHER ISSUES THAT MAY REDUCE THE LIKELIHOOD OF SURVIVING TRANSPLANT.
 - b.) VERIFY FINAL GRADES HAVE BEEN ESTABLISHED IN THE FINAL LOCATION, AND THAT PREPARED PITS DRAIN BY TEST-FILLING WITH WATER BEFORE TRANSPLANTATION.
- 6.) THE FOLLOWING METHODS SHALL BE USED FOR HANDLING DURING TREE PREPARATION AND TRANSPORT:

 a.) ROOT PRUNING: TREES SHALL BE ROOT PRUNED MIN. 45 DAYS PRIOR TO RELOCATION. PRUNING SHALL BE DONE WITH CLEAN, SHARP EQUIPMENT. AFTER ROOT PRUNING, BACKFILL WITH GOOD ROOTING MEDIUM, FERTILIZE WITH ORGANIC FERTILIZER TO PROMOTE ROOT GROWTH. ROOT PRUNED MATERIAL SHALL BE MAINTAINED BY MULCHING, WATERING, WEEDING, MOWING, SPRAYING, FERTILIZING AND OTHER HORTICULTURAL PRACTICES.
 - b.) ROOT BALL PREPARATION: BALLS SHALL BE FIRMLY WRAPPED WITH BURLAP OR SUBSTITUTE. NO BALLED PLANT WILL BE ACCEPTABLE IF THE BALL IS CRACKED OR BROKEN, OR IF THE STEM OR TRUNK IS LOOSE IN THE BALL, EITHER BEFORE OR DURING TRANSPLANTING. ROOT BALL SIZES SHALL BE ACCORDING TO MINIMUM STANDARDS SET FORTH IN GRADES AND STANDARDS FOR NURSERY PLANTS PART II, PALMS AND TREES, FLORIDA DEPARTMENT OF AGRICULTURE.

c.) CANOPY PREPARATION:

SHADE TREES: SELECTIVELY PRUNE AND THIN CROWN TO REMOVE APPROXIMATELY 1/3 OF THE BRANCHES. PRESERVE THE BASIC SHAPE AND FORM OF THE TREE, ELIMINATE CROSS-BRANCHING AND ANY DEAD OR DISEASED BRANCHES. ALL PRUNING SHALL BE DONE IN ACCORDANCE WITH ANSI-A300 STANDARDS PALMS: FOLLOW STANDARD PROCEDURE FOR TRANSPLANTATION OF PALMS. MULTI-TRUNK TREES AND PALMS SHALL BE MOVED AS A SINGLE UNIT.

d.) DURING TRANSPORT:

- 1. PROPERLY HANDLE TREES AND PALMS DURING MOVE TO PREVENT DAMAGE TO TRUNKS OR BRANCHES BY MEANS ACCEPTED BY THE LANDSCAPING INDUSTRY. ROOTBALLS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE BALL ONLY, NEVER BY THE TRUNK OF THE TREE.

 2. TRANSPORT TREES ON VEHICLES OF ADEQUATE SIZE TO PREVENT OVERCROWDING, BROKEN LIMBS, FOLIAGE DAMAGE, OR ROOT BALL DAMAGE.
- 3. ROOT BALLS SHALL BE KEPT MOIST AT ALL TIMES DURING RELOCATION.
- 4. PROTECT TREE CROWNS WITH SHADE CLOTH TO PREVENT DESICCATION AND WIND BURN. IN ADDITION, CROWN SHALL BE PERIODICALLY SPRAYED TO ENSURE AGAIN DRYING.
- e.) PLANT MATERIAL SHALL BE PLANTED THE SAME DAY IT IS DUG. COORDINATE PREPARATION OF PLANTING PITS TO ENSURE THIS SCHEDULE.
- f.) UPON DELIVERY, PLANT IMMEDIATELY AND WATER THOROUGHLY.
- 9.) FOLLOWING TRANSPLANTATION:
 - a.) MULCH TREE PIT AREAS AND PROVIDE BRACING FOR APPROXIMATELY 1 YEAR UNTIL TREES ARE WIND-FIRM.
 - b.) FOR THIN-BARKED SPECIES, WRAP TRUNKS AND STRUCTURAL BRANCHES TO PROTECT AGAINST SUN SCALD AND DEHYDRATION FOR A SINGLE GROWING SEASON.
 - C.) FEED WITH A DILUTED SOLUTION OF N-P-K WITH A SOIL NEEDLE, PROVIDING WATER, AIR AND NUTRIENTS. DIRECT FINE SPRAY AT FOLIAGE TO HELP HARDEN-OFF NEW LEAVES.
 - d.) AT TIME OF PLANTING, FILL AIR POCKETS AND KEEP ROOTS MOIST, LIVE AND HEALTHY.
 - e.) PROVIDE MANUAL WATERING OF THE RELOCATED TREES FOR 90 DAYS. WATER TREES DAILY FOR THE FIRST 2 WEEKS, EVERY OTHER DAY FOR FOR THE NEXT 3 WEEKS, AND EVERY THIRD DAY FOR THE BALANCE OF THE 3 MONTH WATERING/MAINTENANCE PERIOD. EACH WATERING SHALL SATURATE THE ROOT BALL TO ITS FULL DEPTH.
 - f.) UPON COMPLETION OF WORK, THOROUGHLY CLEAN UP THE PROJECT SITE.
- 10.) PROVIDE ROUTINE PROGRESS EVALUATION REPORTS ON RELOCATED TREES UNTIL THE END OF THE MAINTENANCE PERIOD.
- 11.) IF THE TREE OR PALM SHOULD DIE WITH THE TWO-YEAR MAINTENANCE PERIOD, REMOVE THE TREE, REPLACE THE MATERIAL AND RESTORE THE SITE AT NO ADDITIONAL COST TO THE OWNER.
- 12.) DAMAGE TO OTHER CONSTRUCTION WORK OR EXISTING STRUCTURES AS A RESULT OF TREE RELOCATION SHALL BE REPAIRED AT NO COST TO THE OWNER. THIS INCLUDES, BUT IS NOT LIMITED TO, DAMAGE TO CURBS, WALKS, ROADS, FENCES, FURNISHINGS, OTHER PLANT MATERIAL, ETC.





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Project Number:

FL16102

Designed: PW, AH

Drawn: AH, KT, SM

Reviewed: PW, KT

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Sheet Title:
TREE DISPOSITION

NOTES AND DETAILS

Sheet Number:

TD 1.04