

MEMORANDUM

DATE: August 28, 2014

RE: 7061 staff report, 1001 James Street (Keys Energy)

FROM: Karen DeMaria, Urban Forestry Manager, City of Key West

An application was received for approval of a Final Landscape Plan with Tree Removal for the remodeling/rehabbing of the existing Keys Energy building at 1001 James Street. The project has received approval from HARC and the Planning Board.

Existing Trees: It appears that approximately 32 replacement inches will be required in the landscape plan for the removal of the trees. Trees being removed are mostly small trees and include 5-Spanish Stopper, 5-Crabwood, 4-Silver Buttonwood, 1-Seven Year Apple, 1-Mastic, 1-Blolly, 1-Bahama Strongbark, and 1-Simpson Stopper. Most of the native palms will remain or be relocated on-site. Palms being removed include 2-Royal Palms. Palms being relocated include 3-Sabal Palms, 2-Thatch young Palms, and 2-Buccaneer Palms. The applicant and the Urban Forestry Manager are discussing the possibility of some of the trees being relocated/rescued off sight.

The landscape plan appears to incorporate +70% native vegetation in the plan. It appears that the landscape plan incorporates the required replacement inches. During review of the Final Landscape plan it was noticed that two Sabal Palms to be relocated on-site were missing from the plans.

Recommend Final Approval of the Landscape Plan with Tree Removal.

1001 James Street-Keys Energy

VEGETATION/TREE LIST

Tree #	Common Name	Scientific Name	Size	Condition/	Location/Species/	OA Value	Replace	Plan		
***The following trees are located in the parking area near the building.										
1	Seven Year Apple	Casasia clusiifolia	3" dbh	60%	80%	100%	80%	2.4"	Remove	TC
1A	Silver Buttonwood	Coconcarpus erectus	3" dbh	40%	80%	100%	73%	2"	Remove	TC
	(poor condition due to damage from topping)									
1B	Simpson Stopper	Myrcianthes fragans	hedge						Remove	NPR
2	Mastic	Mastichondendron foetidissimum	2.8" dbh	70%	80%	100%	83%	2.3"	Remove	TC
2A	Black Torch	Erithalis fruticosa	shrubs						Remove	NPR
3	Keys Thatch Palm	Thrinax morrisii	NA-single						Relocate	SA
3A	Palmetto	Serenoa repens	<10ft tall						Remove	NPR
4	Sabal Palm	Sabal palmetto	NA						Relocate	SA
5	Bahmama Strongbark	Bourreria sp.	2.3" dbh	70%	80%	100%	83%	1.9"	Remove	TC
6	Keys Thatch Palm	Thrinax morrisii	NA-double						Relocate	SA
7	Bay Cedar	Suriana maritime	shrub						Remove	NPR
7A	Borrichia, Bay Cedar, Golden Creeper hedge		NA						Remove	NPR
8	Blolly	Guapira discolor	2.8" dbh	70%	80%	100%	83%	2.3"	Remove	TC
***The following trees are located in a planter in the parking lot along a fence.										
9	Spanish Stopper	Eugenia foetida	2.5" dbh	50%	60%	100%	70%	1.8"	Remove	TC
10	Silver Buttonwood	Coconcarpus erectus	2.5" dbh	40%	60%	100%	66%	1.6"	Remove	TC
	(poor condition due to damage from topping)									
11	Spanish Stopper	Eugenia foetida	2" dbh	60%	60%	100%	73%	1.4"	Remove	TC
12	Sabal Palm	Sabal palmetto	NA						REMAIN	
13	Spanish Stopper	Eugenia foetida	2" dbh	50%	60%	100%	70%	1.4"	Remove	TC
14	Spanish Stopper	Eugenia foetida	1" dbh	60%	60%	100%	73%	0.7"	Remove	TC
15	Sabal Palm	Sabal palmetto	NA						REMAIN	
16	Crabwood	Ateramnus lucidus	shrub						Remove	NPR

Tree #	Common Name	Scientific Name	Size	Condition/	Location/Species/	OA Value	Replace	Plan		
17	Silver Buttonwood (poor condition due to damage from topping)	Coconcarpus erectus	2.5"dbh	40%	60%	100%	66%	1.6"	Remove	TC
18	Crabwood	Ateramnus lucidus	1"dbh	80%	60%	100%	80%	0.8"	Remove	TC
19	Crabwood	Ateramnus lucidus	1"dbh	80%	60%	100%	80%	0.8"	Remove	TC
20	Crabwood	Ateramnus lucidus	2"dbh	50%	60%	100%	70%	1.4"	Remove	TC
21	Silver Buttonwood (poor condition due to damage from topping)	Coconcarpus erectus	2.5"dbh	40%	60%	100%	66%	1.6"	Remove	TC
22	Spanish Stopper	Eugenia foetida	2"dbh	50%	60%	100%	70%	1.4"	Remove	TC
23	Sabal Palm	Sabal palmetto	NA						REMAIN	
24	Crabwood	Ateramnus lucidus	shrub						Remove	NPR
25	Sabal Palm	Sabal palmetto	NA						REMAIN	
26	Crabwood	Ateramnus lucidus	2"dbh	80%	60%	100%	80%	1.6"	Remove	TC
27	Crabwood	Ateramnus lucidus	2.5"dbh	80%	60%	100%	80%	2"	Remove	TC
28	Simpson Stopper	Myrcianthes fragans	6"dbh	40%	60%	50%	50%	3"	Remove	TC
29	Sabal Palm	Sabal palmetto	NA						REMAIN	
30	Simpson Stopper	Myrcianthes fragans	2.5"dbh						Remove	NPR
31	Sabal Palm	Sabal palmetto	NA						Relocate	SA
32	Verawood	Bulnesia Sp.	2.5"dbh						Remove	NPR
33	Sabal Palm	Sabal palmetto	NA						??	SA

***The following trees are located along James Street

34	Buccaneer Palm	Pseudophoenix sargentii	NA						Relocate	SA
35	Buccaneer Palm	Pseudophoenix sargentii	NA						Relocate	SA
36	Roebellini Palm	Phoenix roebelenii	<10 ft tall						Remove	NPR
37	Royal Palm	Roystonea regia	NA					1-native palm	Remove/Relocate	SA
38	Royal Palm	Roystonea regia	NA					1-native palm	Remove/Relocate	SA

SA= Staff Approvals

TC=Tree Commission Approvals

NPR=No Permit required

KEYS ENERGY, 1001 James St. June 2014



Tree #36, #37, #38

Standing on James St looking at front of building.



Tree #34 and #35

Parking lot area off Grinnell St (rear of building)



Tree# 33



Tree ##1 and #1A



Tree #2 with #2A shrubs



Tree #3 and #3A



Standing in Parking lot looking toward Grinnell Street.



Standing in Parking lot looking toward northwest at Condos. Tree #4, #5, #6, and #7 in photo.



Back of building in parking lot, looking at #7A shrubs



Tree #8



Standing in parking lot looking toward James St (no vegetation in this area).



Rear of parking lot, tree #9, #10, #11, and #12 (Gumbo Limbo and Sabal Palm to the right are on neighboring property).



Tree #9, #10, #11



Tree #12, #13, #14, #15



Overview of back of rear of property.



Tree #28, #29, #30, and #31.



Tree # 31 and #32



TREE BRACING NOTES:

2" and larger caliper trees 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 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. There should be a 1 to 3 inch sway in the tree (the wires should not be pulled tight) for best establishment.
9. Flag the guy wires with surveyor's flagging or approved equal for safety.
10. Guys are not to be removed until approved by landscape contractor.

Specimen trees and tall palms braced with props:

11. Choose the correct size, length, and number of props to be used (pressure treated (PT) 2"x4", 4"x4").
12. 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.
13. Select the proper length and size of battens (PT 2"x4"x12"-16").
14. Use the same number of battens as props being used.
15. Place the battens vertically and evenly spaced against the burlap.
16. Secure the battens in place with metal or plastic banding straps. DO NOT NAIL INTO TREE.
17. 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 PALMS OR TREES, SPACE PROPS AGAINST THE FRONT OF THE CURVE OF THE PALM.
18. Cut a smooth angle at the end of the props. Align with and nail into battens. DO NOT PENETRATE TREE OR PALM WITH NAILS.
19. 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."
20. Props are not to be removed until approved by the landscape contractor.

END

GENERAL LANDSCAPE NOTES:

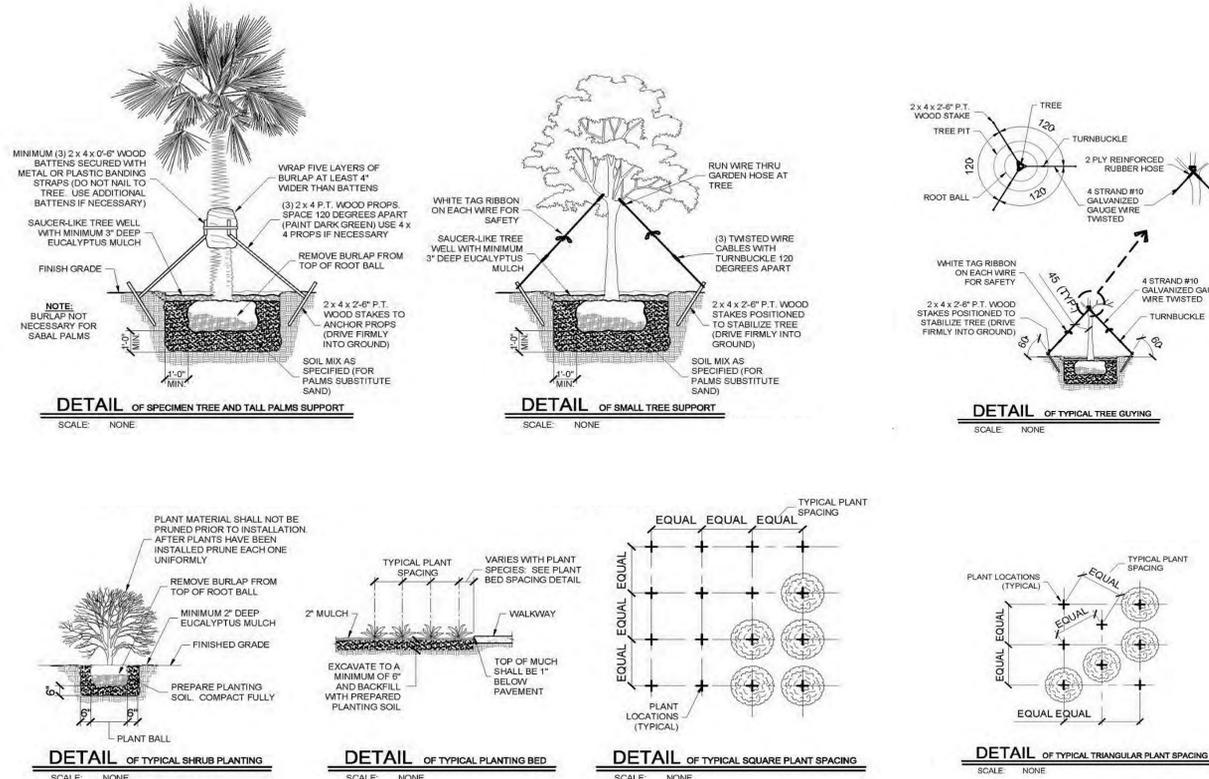
1. Changes may occur during the normal course of implementation. Verbal change orders will not be honored. Any changes must be submitted to landscape architect in writing as a change order to be reviewed and approved in writing by owner/client.
2. All newly planted areas to receive 100% coverage by automatic irrigation system (drip preferred) unless otherwise directed by OWNER. Landscape contractor to coordinate installation of irrigation system with irrigation contractor. Irrigation time clock to be HARD WIRED on completion - responsibility of irrigation contractor. Landscape contractor to hand water or arrange for watering during planting until irrigation system is 100% operable. This is the responsibility of the landscape contractor.
3. Landscape contractor to become familiar with the scope of work as well as the site, digging conditions, and any obstacles prior to bidding.
4. Landscape contractor shall locate and verify all underground utilities prior to digging.
5. All Plant material is to be Florida No. 1 or better. Florida Department of Agriculture Grades and Standards, Parts I & II, 1975, respectively.
6. All trees to be staked in a good workmanlike manner. No nail staking permitted. (Refer to planting details)
7. Landscape plan shall be installed in compliance with all local codes.
8. All tree holes to be back filled around and under root ball with washed beach sand. All shrub beds to be installed with washed beach sand. (See spec)
9. All trees, shrubs and ground covers shall be guaranteed for six months from date of final acceptance. All palms are to be guaranteed for one year.
10. All planting beds shall be weed and grass free.
11. All trees, palms, shrubs and ground cover plants shall be fertilized at installation according to manufacturers' recommendations. Type and amount of fertilizer is up to discretion of Landscape Contractor in order to avoid "burn" on plants that may already contain fertilizer from nursery and ensure proper establishment to maintain contractors warranty.
12. Planting plan shall take precedence over plant list in case of discrepancies.
13. No change shall be made without prior consent of Landscape Architect.
14. All material shall be subject to availability at time of installation. Substitutions may be made after consultation with Landscape Architect
15. Landscape Contractor to coordinate his work with the General Contractor, Irrigation Contractor, and the Electrical Contractor.
16. All existing plant material to remain shall be protected.
17. All trees to be relocated will get root pruned 30 days min. (or more if required by the species). Upon relocation, thin out 30% of the relocated trees' canopy.
18. After removal or relocation of existing trees and palms, backfill tree pit with washed beach sand, and sod disturbed area, if required.
19. All trees on sod area shall receive a mulch ring 2" in diameter typical.
20. All trees shall have 2" caliper at D.B.H. minimum for a 10' height tree.
21. All 1 gallon material to have 12" spread minimum, all 3 gallon material to have 20-24" spread minimum.
22. Landscape contractor to be County and City licensed where work is to be performed. Liability and Workman's comp insurance is required for each and every employee to be on-site at any time during implementation. Paperwork to this effect to be provided on request within 2 business days.

END

IRRIGATION NOTES:

1. All Lady Palms (*Rhapis spp.*), Heliconia, and Bamboos to have single bubbler. All Major Palms to have two bubblers on opposing sides of root ball. Bubblers to be hidden from view.
2. Irrigation contractor to coordinate location of main lines with Landscape Contractor prior to implementation. Avoid root balls of trees and large plant materials. Refer to landscape drawings.
3. All pipe to be PVC schedule 40, 8" minimum cover.
4. All heads installed on flexible PVC pipe and fittings.
5. Pressurized backflow, rain switch, and multi-programmable controller with battery backup required.
6. All crossings under permanent concrete to be sleeved two times the sprinkler pipe size with schedule 40 PVC.
7. All valves to have flow control and be installed in green valve boxes with room to work in future.
8. All valve boxes to be located away from walkways, garden paths, and groundcovers - keep to back of beds.
9. All sprinklers to be commercial grade Toro 570 Series 4" and 12" and installed out of sight.
10. Irrigation contractor to measure water available on-site and use no more than 75% of available GPM.
11. Water connection to the house, including shut-off valves, shall not be altered by pressurized backflow.
12. All wire splices to be in valve boxes and clearly labeled at back of time clock. All wire splices to be installed with water proof connections.
13. 2 spare wires to be run to the last valve in each direction.
14. Controller to be hard-wired at time of completion and included in irrigation contractors bid.
15. System to provide 100% controlled coverage on completion. Additions/modifications from irrigation plan may be necessary.
16. Irrigation contractor to be County and City licensed where work is to be performed. Liability and Workman's comp insurance is required for each and every employee to be on-site at any time during implementation. Paperwork to this effect to be provided on request within 2 business days.
17. As-built irrigation drawing to be provided prior to final payment.

END



PLANT LIST

Qty.	Botanical Name	Common Name	Specifications	Provide Photo
TREES AND PALMS				
1	<i>Ardisia escalanoides</i>	Marlberry	6' PH, very full	
4	<i>Bursera simaruba</i>	Gumbo Limbo	12' PH, FF#1	
10	<i>Capparis cynophallophora</i>	Jamaica Caper	4' PH	
5	<i>Chrysophyllum oliviforme</i>	Satinleaf	8' PH, FF#1	
1	<i>Coccoloba diversifolia</i>	Pigeon Plum	8' PH x 3' spread	
7	<i>Coccothrinax argentata</i>	Florida Silver Palm	15 gallon	
1	<i>Guaiacum sanctum</i>	Lignum Vitae	5' PH x 5' spread, specimen	Yes
6	<i>Gymnanthes lucida</i>	Crabwood	25 gallon	
5	<i>Lysiloma latisiliquum</i>	Tamarind	12' PH x 6' spread, standard FF#1	
3	<i>Myrcianthes fragrans</i>	Simpson Stopper	45 gallon, multi-trunk specimens, Plant Creations Nursery	
2	<i>Pseudophoenix sargentii</i>	Buccaneer Palm	5' PH, fat & heavy, (1) double, (1) single	
1	<i>Swietenia mahogany</i>	Mahogany	14-16' PH, FF#1	
23	<i>Sabal Palmetto</i>	Same	Regenerated, slicks, mix of 10-24' CT with leans	
15	<i>Serenoa repens 'cericeus'</i>	Silver Saw Palmetto	3' x 3' PH	
1	<i>Thrinax morisii</i>	Silver Thatch Palm	Double trunk, 4' PH	

SHRUBS AND GROUNDCOVERS

21	<i>Baccharis halimifolia</i>	Groundsel Bush	15 gallon, full, Doug Ingram & Sons Nursery
37	<i>Borischia arborescens</i>	Sea Oxeye Daisy	1 gallon
145	<i>Ernodea littoralis</i>	Golden Creeper	1 gallon
153	<i>Hymenocallis latifolia</i>	Spider Lily	3 gallon
916	<i>Liriope sp. 'Isabella'</i>	DWARF Isabella Liriope	1 gallon, full
67	<i>Phyllanthus sp.</i>	Phyllanthus	1 gallon, Doug Ingram & Sons Nursery
240	<i>Pilea depressa</i>	Pilea	1 gallon
40	<i>Polypodium scolopendria</i>	Wart Fern	1 gallon
18	<i>Psychotria ligustrifolia</i>	DWARF Wild Coffee	7 gallon, full
250	<i>Stachytarpheta jamaciensis</i>	DWARF Blue Porterweed	1 gallon
230	<i>Tradescantia microfolia</i>	Argentine Ivy	1 gallon, Plant Creations Nursery
7	<i>Tripsacum dactyloides</i>	Fakahatchee Grass	3 gallon
22	<i>Xylosma sp.</i>	Xylosma	7 gallon, full, Plant Creations Nursery
73	<i>Zamia floridana</i>	Coontie	7 gallon, full

ADDITIONAL ITEMS

TBD	BLACK <i>Eucalyptus</i> Mulch	1" minimum
TBD	Planting soil	50/50 sand/soil mix

KEYS ENERGY SERVICES

1001 JAMES STREET
KEY WEST, FL 33040

Date: 08-07-2014

REVISIONS

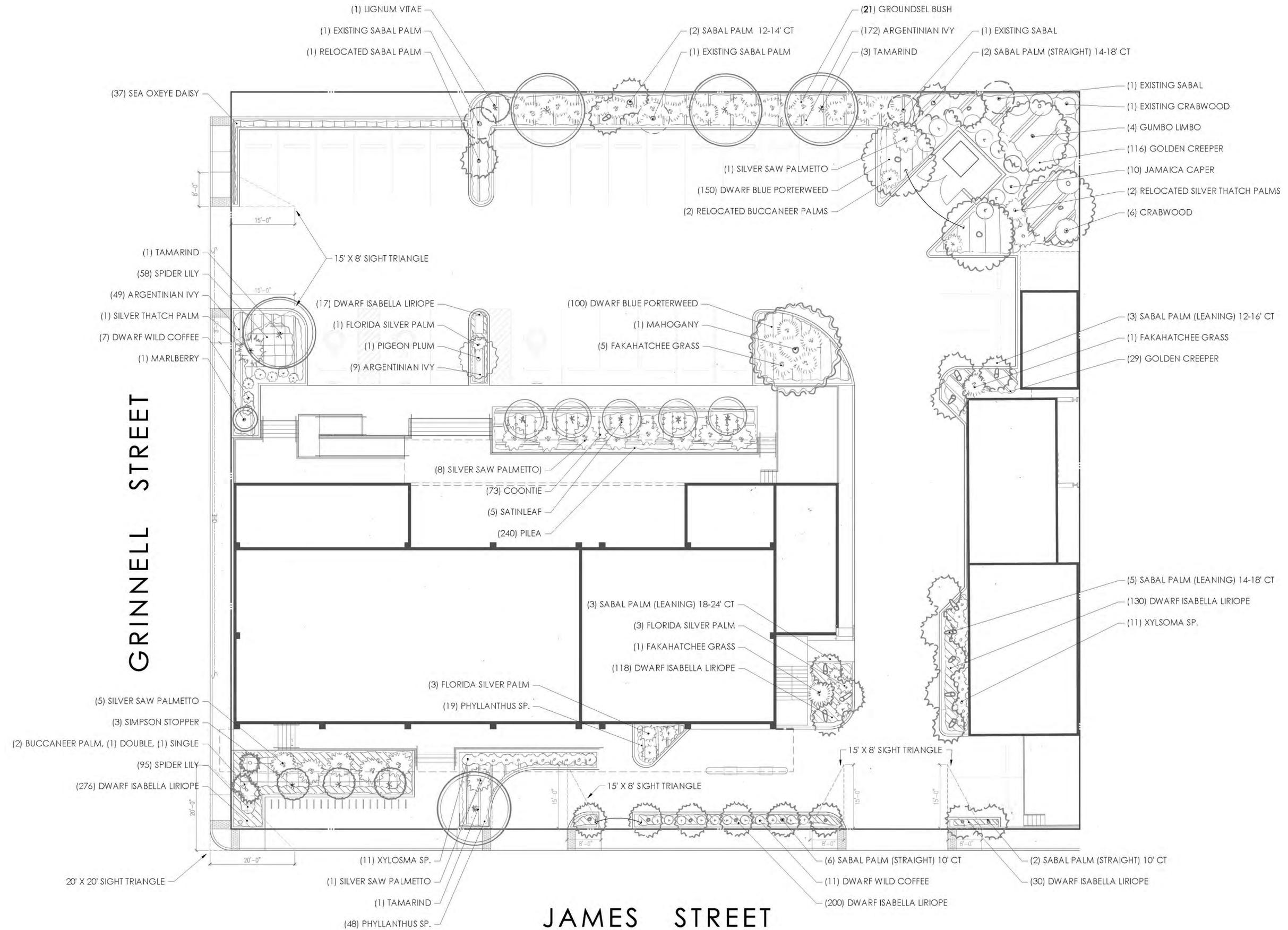
No.	Date	Remarks
1	8-12-2014	Revised planting plan & quantities

DRAWING LIST

A. COVER SHEET	
	Tree Bracing Notes
	General Landscape Notes
	Irrigation Notes
	Planting Details
	Plant List and Specifications
B. LC-1	
	Planting Plan

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CRAIG REYNOLDS
landscape architecture
craigreynolds.net 305.292.7243
517 Duval Street, Suite 204 Key West, Florida 33040



Application



7061

Tree Permit Application

Date: August 18, 2014

Please Clearly Print All Information unless indicated otherwise.

Tree Address 1001 James Street Key West, FL
Cross/Corner Street Grimell Street
List Tree Name(s) and Quantity see demo plan
Species Type(s) check all that apply Palm Flowering Fruit Shade Unsure
Reason(s) for Application:

REMOVE Tree Health Safety Other/Explain below
 TRANSPLANT New Location Same Property Other/Explain below
 HEAVY MAINTENANCE Branch Removal Crown Cleaning/Thinning Crown Reduction
Other/Explain Final Landscape Plan for major development.

Reason for Request

Property Owner Name Keys Energy Services (Walter Cashwell)
Property Owner eMail Address walter.cashwell@keysenergy.com
Property Owner Mailing Address P.O. Box 6100
Property Owner Mailing City Key West **State** FL **Zip** 33040
Property Owner Phone Number (305) 295 - 1181
Property Owner Signature _____

Representative Name Bender & Associates
Representative eMail Address wbender@bulsouth.net
Representative Mailing Address 410 Angela St.
Representative Mailing City Key West **State** FL **Zip** 33040
Representative Phone Number (305) 296 - 1347

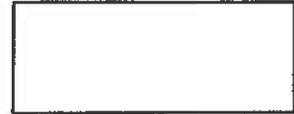
NOTE: A Tree Representation Authorization form must accompany this application if someone other than the owner will be representing the owner at a Tree Commission meeting or picking up an issued Tree Permit.

Tree Representation Authorization form attached ()

<<<<< Sketch location of tree in this area including cross/corner Street >>>>>

Please identify tree(s) with colored tape

If this process requires blocking of a City right-of-way, a separate ROW Permit is required. Please contact 305-809-3740.



Tree Representation Authorization

Date: June 17, 2014

Attendance at the Tree Commission meeting on the date when your request will be discussed is necessary in order to expedite the resolution of your application. This Tree Representation Authorization form must accompany the application if the property owner is unable to attend or will have someone else pick up the Tree Permit once issued.

Please Clearly Print All Information unless indicated otherwise.

Tree Address 1001 James Street Key West, Fl

Property Owner Name Key Energy Service (Walter Cashwell)

Property Owner eMail Address Walter.Cashwell@keyenergy.com

Property Owner Mailing Address PO Box 610P

Property Owner Mailing City Key West State Fl Zip 33040

Property Owner Phone Number (305) 295-1181

Property Owner Signature [Signature]

Representative Name Bender & Associates

Representative eMail Address blbender@bellsouth.net

Representative Mailing Address 40 Angela Street

Representative Mailing City Key West State Fl Zip 33040

Representative Phone Number (305) 290-1341

I Walter Cashwell, hereby authorize the above listed agent(s) to represent me in the matter of obtaining a Tree Permit from the City of Key West for my property at the tree address above listed. You may contact me at the telephone listed above is there is any questions or need access to my property.

Property Owner Signature [Signature]

The forgoing instrument was acknowledged before me on this 17th day June, 2014.

By (Print name of Affiant) Walter Cashwell who is personally known to me or has produced _____ as identification and who did take an oath.

NOTARY PUBLIC

Sign Name: Daina D. Katuski Notary Public - State of Florida (seal)

Print Name: _____

My Commission Expires: _____





Karen DeMaria <kdemaria@keywestcity.com>

1001 James Street

Haven Burkee <blbender@bellsouth.net>

Tue, Aug 19, 2014 at 4:52 PM

To: kdemaria@keywestcity.com

Cc: blbender@bellsouth.net

Karen,

See attached tree permit application. The plan has been revised to reflect changes required from the planning board/DRC and also comments from the conceptual design approval. We have added (3) Gumbo Limbos and (1) Mahogany to the parking area. This was done in response to the request for more "shade trees". Let me know if you need anything else for this meeting.

Haven Burkee

Bender & Associates

410 Angela Street

Key West, FL 33040

blbender@bellsouth.net

305-296-1347

 **1001 James Street Tree Commission Submittal 081814.pdf**
6486K