

Seal:

ELIZABETH NEWLAND
Registered Landscape Architect
LA0001288
State of Florida

Consultants:

Revisions:

CAROLINE ST. IMPROVEMENTS
KEY WEST, FLORIDA

| | |
|-----------------------|-------------------|
| Drawing Size 24x36 | Project # |
| Drawn By: EN | Checked By: EN |

Title:

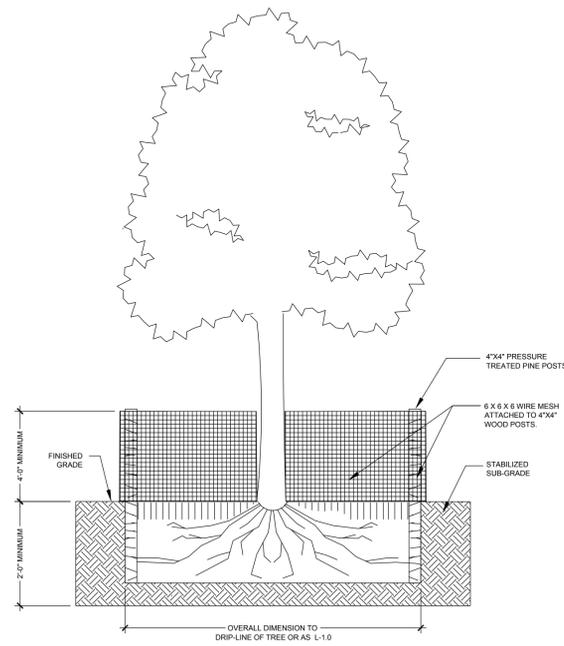
PLANTING
NOTES & DETAILS

Sheet Number:

L-2.0

Date: - February 10, 2015

- Landscape Contractor shall maintain transplanted materials during transplanting procedure by watering, weeding, mowing, spraying, fertilizing, pruning and other horticultural practices.
- Landscape Contractor is responsible for verifying locations of all underground and overhead utilities and easements prior to commencing work. All Utility companies and/or the General Contractor shall be notified to verify utility locations prior to digging. Utility trenching is to be coordinated by the General Contractor prior to beginning of project. The Owner or Landscape Architect shall not be responsible for damage to utility or irrigation lines.
- The Landscape Contractor shall comply with all local and State codes and shall be responsible for obtaining all applicable permits.
- Landscape Architect may inspect the relocated materials to ensure compliance with horticultural practices as noted. Landscape Architect will submit a written report to Landscape Contractor of any deficiencies found during the maintenance period.
- The Landscape Contractor shall be responsible for guaranteeing the transplanted palms for a period of one year. At the time of final inspection all transplanted palms that are not in a healthy growing condition shall be replaced by the Landscape Contractor.
- Transplanting Operations: The Landscape Contractor shall take all precautions to minimize shock of transplanting in accordance with standard arboriculture procedures that include:
 - The diameter of the root ball shall be a minimum of 36" diameter for Sabal palmetto and Thrinax radiata palms. The diameter of the root ball shall be a minimum of 48" for Cocos nucifera palms.
 - All roots small shall be cleanly cut with a sharp spade, a clean-saw or chainsaw depending on the size of the root.
 - For all palms except Sabal palmetto, the lower fronds shall be pruned leaving 7-11 fronds that can be tied without creating an extensive amount of weight that may damage the heart of the palm. The Sabal palmetto shall have all fronds cut to 12" without damaging the bud.
 - The root ball shall be watered prior to relocating to keep the root ball intact and to protect the roots from drying out during the transplanting process.
 - Transplanting must occur within 24 hours after being dug for relocation. Plants should be kept in shade and the heart of the palm must be kept moist.
 - Digging and preparation of the new hole for the transplant shall be done prior to removing the palm from the existing location.
 - The depth of the new hole shall be equal to the depth of the root ball and the width shall be equal to twice the width of the root ball.
 - Palms shall be lifted from the ground with heavy equipment designed specifically for palm relocation so that the trunk and fronds are not impacted and damaged by the equipment.
 - The slings used to lift the heavy weight palms shall be non-binding nylon type slings that are wrapped under the root ball to support the weight of the palm.
 - The slings used to lift the lighter weight palms shall be non-binding nylon type slings that are wrapped around the trunk to support the weight of the palm. Padding on the sling may be necessary so that the trunk or boots are not damaged.
 - The palm shall be planted at its original planting level prior to relocation. The palm shall be centrally positioned in the hole and set straight, plumb or normal to the growth pattern of the palm prior to transplanting.
 - The palm shall be backfilled according to Planting Detail 01/L2.1, Detail 02/L2.1 and Detail 03/L2.1 with a soil mix consisting of 30% inland muck and 70% freshwater sand.
 - The Landscape Contractor is responsible for providing water to deep root water palms at installation to eliminate air pockets prior to mulching.
 - A 4" saucer shall be created around the edge of the plant pit to help hold water.
 - Provide a minimum of 3" layer of mulch over the saucer and backfill area to conserve moisture and prevent evaporation. Do not mulch on top of root ball.
 - Install palm bracing as per Planting Detail 01/L2.1, Detail 02/L2.1 and Detail 03/L2.1 to ensure stability of palm during time period after transplanting.
 - During the guarantee period the Landscape Contractor is responsible for resetting any palms that are not vertical when caused by winds less than 75 MPH.
 - After the transplanted trees are in their final location the Landscape Contractor will be responsible for obtaining water and watering to maintain soil moisture during the guarantee period until an automatic irrigation system has been installed providing 100% coverage. Watering shall be provided at a minimum of:
 - First Month- Daily; Second Month- 3 Times Per Week; Third and Fourth Month 2 Times Per Week; Last Eight Months-1 Time Per Week. At each irrigation procedure apply 2-3 gallons of water per inch of trunk caliper to the top of the root ball.



01
L-2.0

TREE & PALM PROTECTION DETAIL

SCALE: N.T.S.

- Before beginning work, the General Contractor is required to meet at the site with the City of Key West Urban Forestry Manager, Landscape Architect and Landscape Contractor to review all work procedures, access routes, storage areas and tree protection measures.
- The General Contractor shall consult with an ISA Certified Arborist regarding the condition of the existing trees and palms and shall hire an ISA Certified Arborist to perform tree care that may be needed to mitigate risks prior to construction commencing. General Contractor is responsible for coordinating a meeting with ISA Certified Arborist, Landscape Architect, City of Key West Urban Forester and Landscape Contractor prior to tree care and construction commencing.
- All tree pruning necessary shall be in accordance with ANSI A-300 Standards.
- The General Contractor shall erect fences to protect all trees and palms scheduled to remain as per Tree Disposition Plan L-1.0, Existing Tree Disposition List Detail 04/L-1.0, and as per Tree Protection Detail 01/L-2.0 prior to construction commencing. Fences define a specific protection zone for each tree or group of trees to be protected. Fences are to remain until all site work has been completed.
- Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
- All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, they shall be tunneled or bored under the tree.
- No construction materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone (fenced area).
- Any herbicides placed under paving materials must be safe for use around trees and labeled for that use. Any pesticides used on site must be safe for use around trees and not easily transported by water.
- If injury should occur to any tree during construction, the General Contractor is responsible for notifying the City of Key West Urban Forester, ISA Certified Arborist, Landscape Architect and Landscape Contractor as soon as possible so that appropriate treatments can be applied.
- The General Contractor shall notify the City of Key West Urban Forester, ISA Certified Arborist, Landscape Architect and Landscape Contractor of any grading, construction, demolition, or other work that is expected to encounter tree roots.
- Additional tree pruning that may be required for clearance during construction shall be approved by City of Key West Urban Forestry Manager and performed by an ISA Certified Arborist as per ANSI A-300 Standards.
- All trees remaining on site shall be irrigated three times a week for the duration of construction. At each irrigation procedure shall apply to the soil area within the tree protection zone 2-3 gallons of water per inch of trunk caliper.
- Erosion control devices such as silt fencing, debris basins, and water diversion structures shall be installed to prevent siltation and/or erosion within the tree protection zone.
- Before grading, pad preparation, or excavation for foundations, footings, walls, sidewalks, curbs or trenching near trees the trees shall be root pruned 12 inches outside the tree protection zone by cutting all roots cleanly to a depth of 36 inches. Roots shall be cut manually by digging a trench and cutting exposed roots with a saw, vibrating knife, rock saw, narrow trencher with sharp blades, or other approved root-pruning equipment.
- Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw.
- If temporary haul or access roads must pass over the root area of trees to be retained, a road bed of 6 inches of mulch or gravel shall be created to protect the soil. The road bed material shall be replenished as necessary to maintain a 6-inch depth.
- Spoil from trenches, basements, or other excavations shall not be placed within the tree protection zone, either temporarily or permanently.
- No burn piles of debris pits shall be placed within the tree protection zone. No ashes, debris, or garbage may be dumped or buried within the tree protection zone.
- Maintain fire-safe areas around fenced tree protection areas. No heat sources, flames, ignition sources or smoking are allowed near mulch or trees.

02
L-2.0

TREE & PALM PROTECTION NOTES

SCALE: N.T.S.

03
L-2.0

PALM TRANSPLANTING NOTES

SCALE: N.T.S.

GENERAL NOTES

- Landscape Contractor is responsible for verifying locations of all underground and overhead utilities and easements prior to commencing work. All Utility companies and/or the General Contractor and Irrigation Contractor shall be notified to verify existing and proposed utility locations prior to Landscape Contractor digging. The Owner or Landscape Architect shall not be responsible for damage to utility or irrigation lines.
- Landscape Contractor shall examine the site and become familiar with conditions affecting the installation prior to submitting bids. Failure to do so shall not be considered cause for future extras or complaints.
- Landscape Contractor is responsible for verifying all plant quantities prior to bidding and within (7) seven calendar days of receipt of these plans shall notify the Landscape Architect in writing of any and all discrepancies. In case of discrepancies planting plan quantities shall take precedence over plant list quantities.
- No substitutions or alternate plant material shall be used without prior consent of the Landscape Architect. Alternate plant material shall meet same specifications as original selection. Plant material supply is the responsibility of the Landscape Contractor, and he/she shall take steps to insure availability at time of planting.
- All plant material shall meet the size on the plant list. Plant material shall not exceed the specifications without prior consent of the Landscape Architect. In all cases meeting the height and the spread specifications shall take precedence over container size.
- The Landscape Contractor is to remove and discard from site existing unwanted trees, palms, shrubs, groundcovers, sod and weeds within landscape areas.
- Landscape Contractor to provide finish grade in plant beds and planters 3" lower than finish elevation of hardscape elements to accommodate 3" layer of mulch. Hardscape elements include roads, driveways, curbs, sidewalks and planters.

PLANTING NOTES

- Landscape Contractor shall furnish and install all trees, palms, shrubs, groundcover, planting soil, fertilizer, soil amendments, herbicide, pre-emergence herbicide, gravel and mulch.
- Landscape Contractor shall guarantee all plant material for a period of one year from the day of final acceptance by the Landscape Architect and Owner.
- All plant material shall be Florida #1 or better, as defined in the Grades and Standards for Nursery Plants, Part I and II by the State of Florida Department of Agriculture.
- Landscape Contractor is responsible for scheduling a nursery visit for Landscape Architect to approve all trees, palms and shrubs prior to delivery to the project site.
- Landscape Contractor is responsible for scheduling a site stake out approval by Landscape Architect to approve the stake out of all trees and palms prior to installation.
- Landscape Contractor is responsible for scheduling a site stake out approval by Landscape Architect to approve stake out of all shrubs and groundcover prior to installation.
- Landscape Contractor shall coordinate work with that of the Irrigation Contractor.
- After existing weeds and grass have been removed from site the Landscape Contractor shall determine if a pre-emergence herbicide is necessary. A Florida Licensed Pesticide Applicator shall treat new plant areas with pre-emergence herbicide in accordance with manufacturer's recommendations if needed. Landscape Contractor shall not install new vegetation until manufacturer's recommended duration for pre-planting after installation of pre-emergence herbicide has been met.
- The Landscape Contractor shall maintain all finish grades for existing berms and swales established by General Contractor. Any impacts to elevations of berms or swales as a result of plant material installation shall be repaired to correct finish grade prior to installing mulch, sod or gravel.
- Planting soil shall be a mix of 50% inland muck and 50% freshwater sand for shrubs and trees and 30% inland muck and 70% sand for palms. Planting soil mix/backfill shall be clean and free of construction debris, weeds, rock and noxious pests and disease.
- All soil mix in plant beds for groundcovers, shrubs, palms and trees shall be as per details.
- All planting areas and planting pits shall be tested for sufficient percolation prior to final planting and irrigation installation to ensure proper drainage. Plant beds in parking lots and in areas compacted by heavy equipment shall be de-compacted so that drainage is not impeded.
- All synthetic burlap, string, cords or wire baskets shall be removed before trees are planted. All synthetic tape shall be removed from branches and trunks prior to final acceptance. The top 1/3 of the burlap shall be removed or tucked into the plant pit before the trees are backfilled.
- Landscape Contractor is responsible for mulching all plant beds with a minimum 3" layer of natural color Eucalyptus or EnviroMulch immediately after planting. In no case shall Cypress mulch or red color mulch be used.
- Landscape Contractor shall guy and stake all trees and palms as per specifications and details. No plant shall be applied to any surface of trees or palms. No nails, screws or wiring shall penetrate the outer surface of trees and palms. All guying and staking shall be removed twelve months after planting.
- All palm and tree guy wires and bracing are to be flagged for visibility for their duration. All unattended and unplanted tree pits shall be properly barricaded and flagged during construction.
- Landscape Contractor is responsible for obtaining approval of Landscape Architect prior to pruning any new or existing plant material. Broken branches are to be pruned by and ISA Certified Arborist according to ANSI A-300 Guidelines for Tree Pruning.
- Landscape Contractor to provide all plants with watering as indicated below or until such time that an automatic electric irrigation system has been installed that provides 100% coverage of landscape:
 - First Month-Daily Watering, Second Month-3 Times Per Week, Third and Fourth Month-2 Times Per Week, Last Eight Months-1 Time Per Week. At each watering procedure apply to the top of the root ball 2-3 gallons of water per inch of trunk caliper.
- Landscape Contractor is responsible for obtaining an existing soil test, planting mix soil test and plant analysis to determine if fertilizer or other soil amendments are necessary. Landscape Contractor is responsible for selecting the appropriate fertilizers or other soil amendments for each plant. Fertilizer shall comply with State of Florida fertilizer laws and shall be installed according to manufacturer's recommendations.
- Irrigation Contractor to provide complete, fully functional automatic electric irrigation system, see specifications.

04
L-2.0

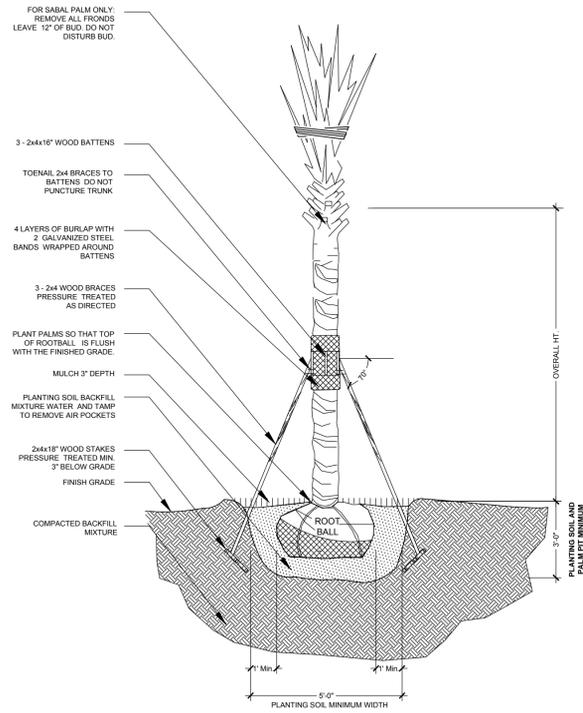
PLANTING NOTES

SCALE: N.T.S.

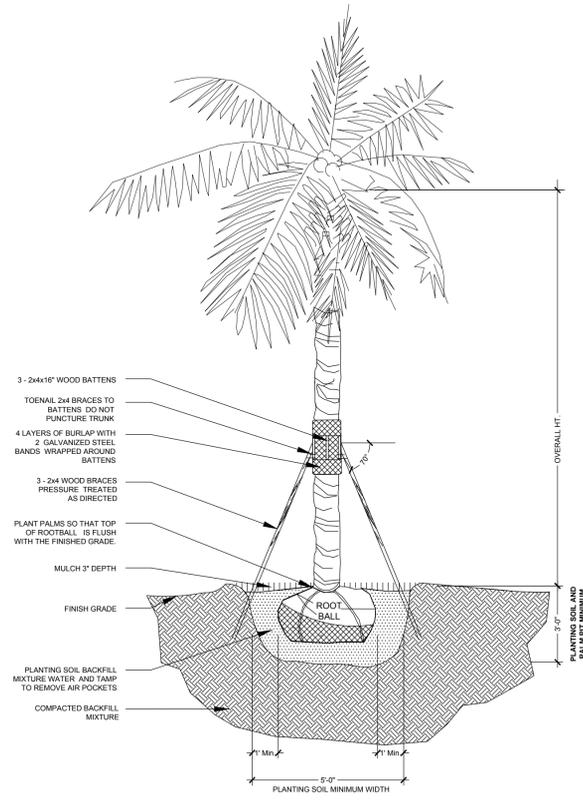
Notes:

- Civil Engineering, Site Triangles and Survey provided by Perez Engineering and Development, Inc.
- See Civil Engineering plans for all hardscape, site lighting and site furniture construction details and dimensioning.

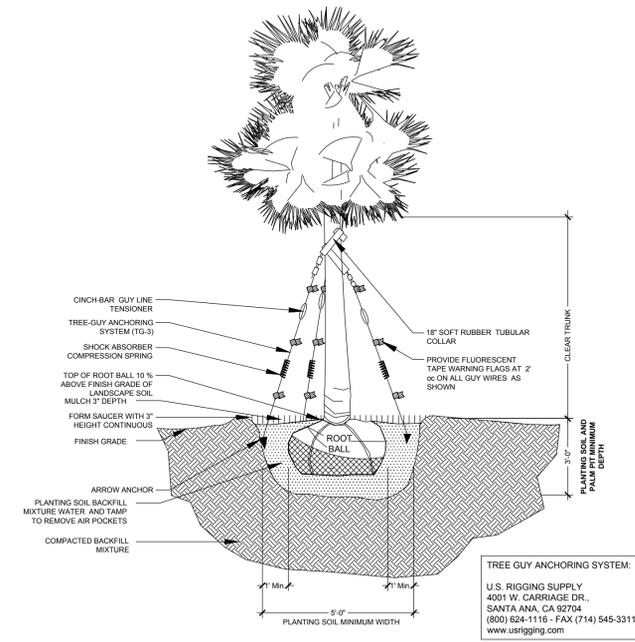
BID DOCUMENTS



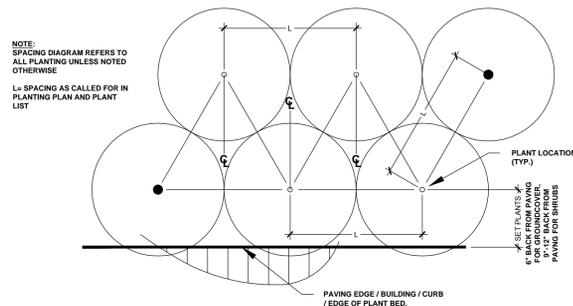
01
L-2.1
SABAL PALM PLANTING DETAIL
SCALE: N.T.S.



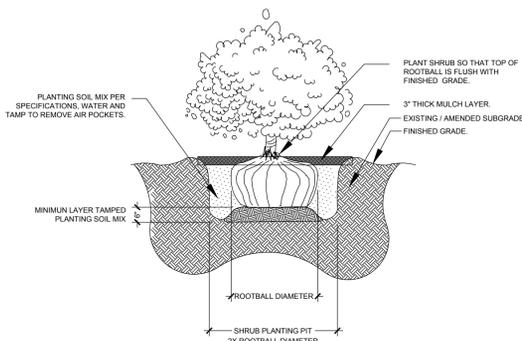
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L-2.1
PALM PLANTING DETAIL
SCALE: N.T.S.



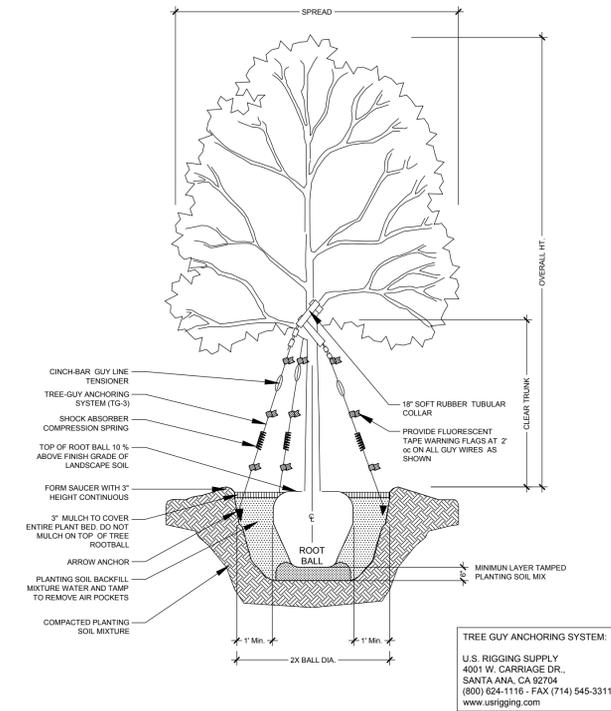
03
L-2.1
THRINAX PALM PLANTING DETAIL
SCALE: N.T.S.



04
L-2.1
SHRUB PLANTING DETAIL
SCALE: N.T.S.



05
L-2.1
SHRUB PLANTING DETAIL
SCALE: N.T.S.



06
L-2.1
TREE PLANTING DETAIL
SCALE: N.T.S.

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Consultants:

Revisions:

CAROLINE ST. IMPROVEMENTS
KEY WEST, FLORIDA

| | |
|-----------------------|-------------------|
| Drawing Size 24x36 | Project # |
| Drawn By: EN | Checked By: EN |

Title:
PLANTING DETAILS

Sheet Number:
L-2.1

Date: - February 10, 2015

BID DOCUMENTS

Notes:
1. Civil Engineering, Site Triangles and Survey provided by Perez Engineering and Development, Inc.
2. See Civil Engineering plans for all hardscape, site lighting and site furniture construction details and dimensioning.

Staff Report

STAFF REPORT

DATE: August 25, 2015

RE: **928 United Street (permit application # T15-7556)**

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

An application was received for the removal **of (1) Gumbo Limbo tree**. A site inspection was done on August 14, 2015 and documented the following:

Tree Species: Silver Buttonwood (Conocarpus erectus)

Tree #1





Diameter: 7.6"

Location: 60% (growing under utility lines)

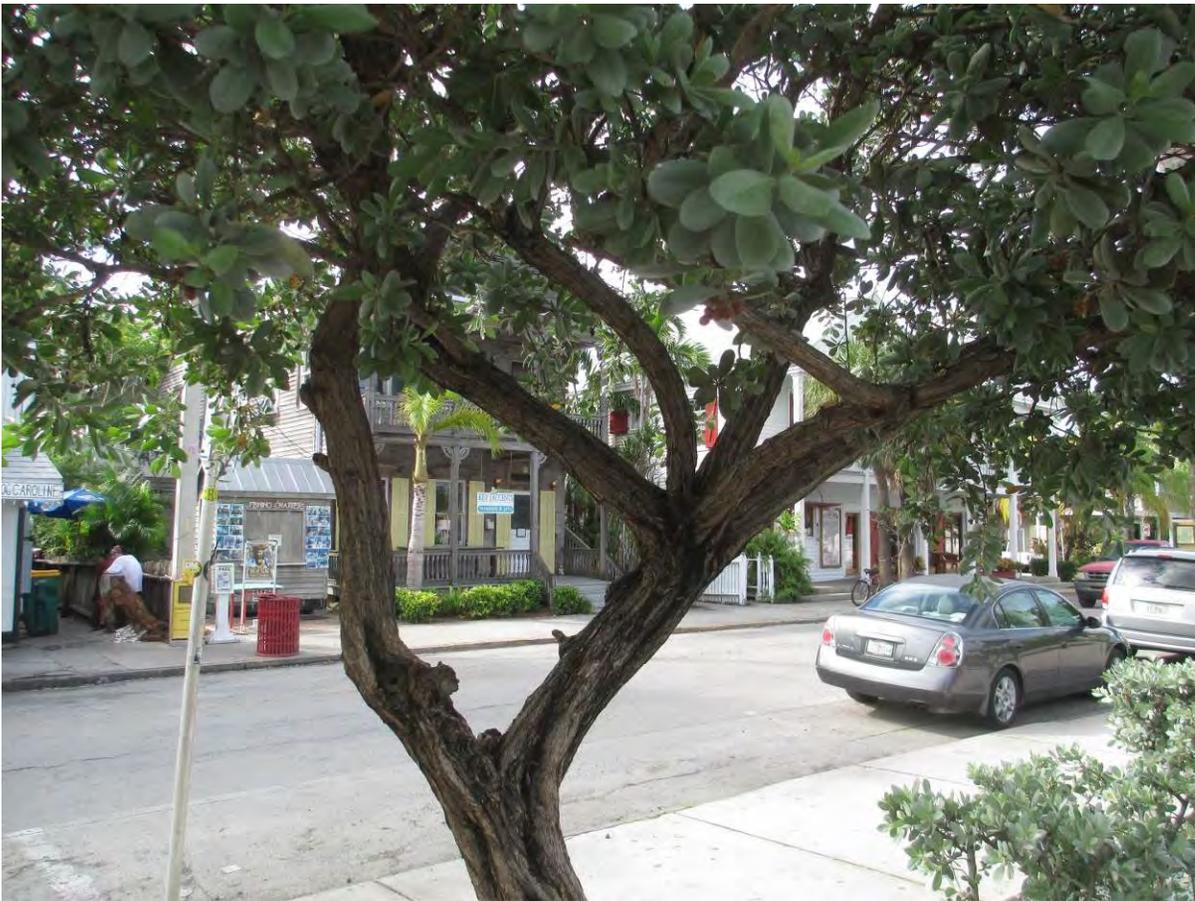
Species: 100% (on protected tree list)

Condition: 50% (fair to poor-trunk damaged, poor canopy structure)

Total Average Value = 70%

Value x Diameter = 5.3 replacement caliper inches

Tree #2 and #3:





Diameter: 7"

Location: 70% (utility lines above-no direct impact at this time)

Species: 100% (on protected tree list)

Condition: 65% (fair)

Total Average Value = 78%

Value x Diameter = 5.4 replacement caliper inches

Diameter: 7.9"

Location: 70% (utility lines above-no direct impact at this time)

Species: 100% (on protected tree list)

Condition: 65% (fair)

Total Average Value = 78%

Value x Diameter = 6.2 replacement caliper inches

Tree #4







Diameter: 9.5"

Location: 70% (utility lines above-no direct impact at this time)

Species: 100% (on protected tree list)

Condition: 65% (fair)

Total Average Value = 78%

Value x Diameter = 7.4 replacement caliper inches

Tree #5- Tree Species: Soapberry (*Sapindus saponaria*)





Diameter: 5.1"

Location: 60% (canopy close to utility lines)

Species: 100% (on protected tree list)

Condition: 60% (fair-canopy is misshaped due to poor trim cuts)

Total Average Value = 73%

Value x Diameter = 3.7 replacement caliper inches

Tree are being removed due to road work/improvements being done along Caroline Street. Conceptual Landscape plan was approved by the Tree Commission September 12, 2012 that included removal of these trees. The plan also includes the transplanting of numerous palm trees and (1) gumbo limbo onto City Property and the removal of (1) Queen Palm (staff approval permits T15-7586, T15-7587, and T15-7588).

The landscape plan includes over 70% native vegetation. The City is also requesting final landscape plan approval that includes the planting of native dicot trees instead of a palm tree replacement for the removal of the Queen palm. The landscape plan exceeds the replacement criteria for the tree removal permits.

RECOMMENDATION: Recommend the approval of the Final Landscape Plan to include the removal of (4) Silver Buttonwood trees and (1) Soapberry tree.

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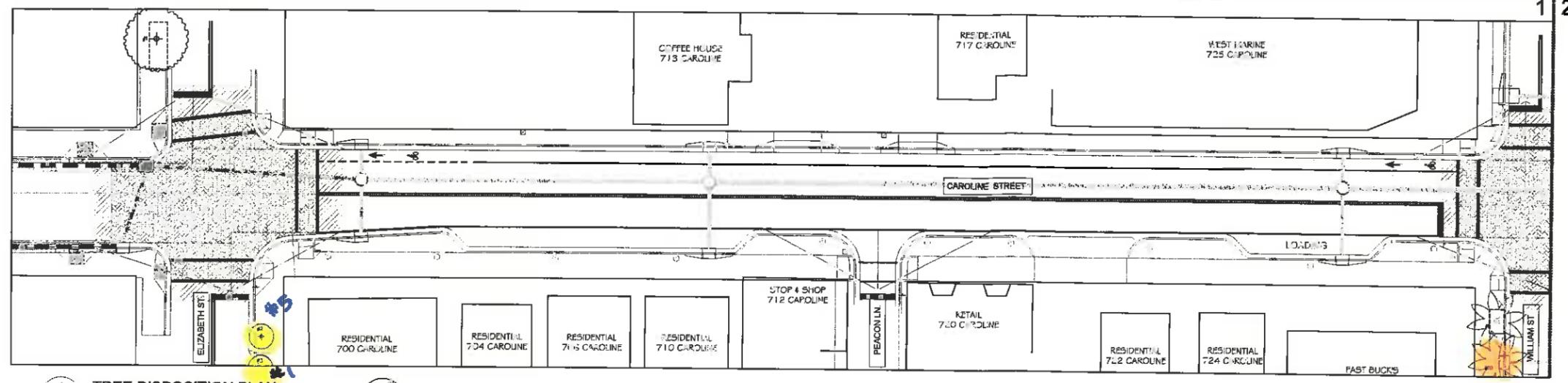
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Consultants:

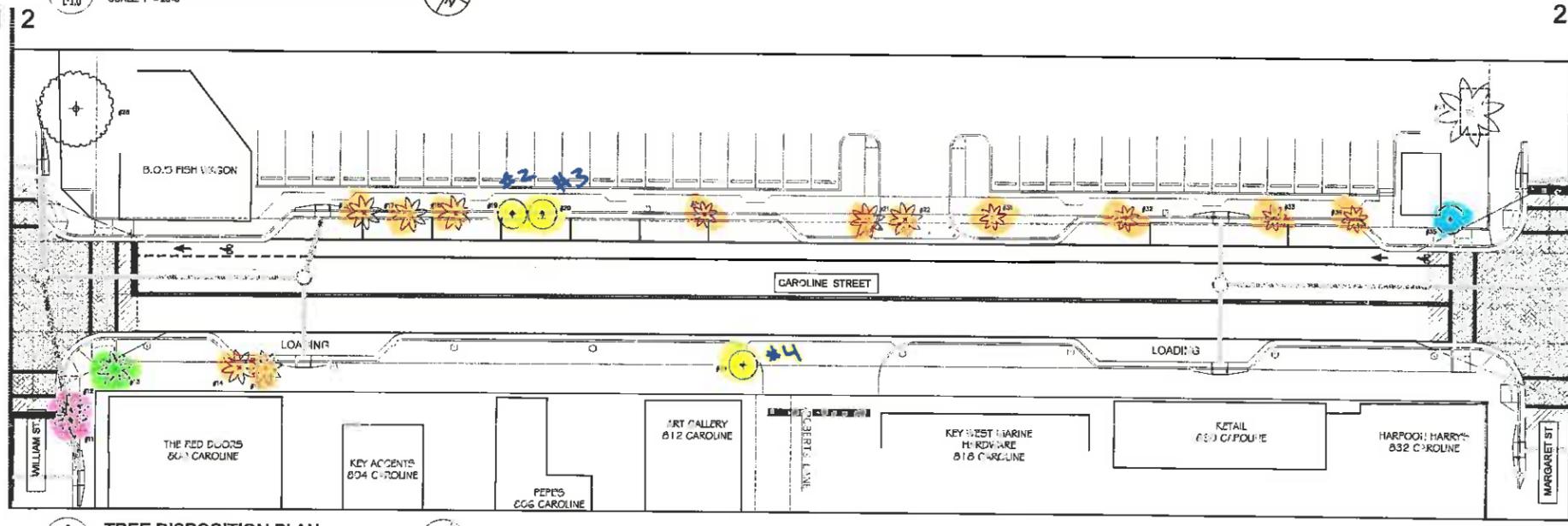
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CAROLINE ST. IMPROVEMENTS
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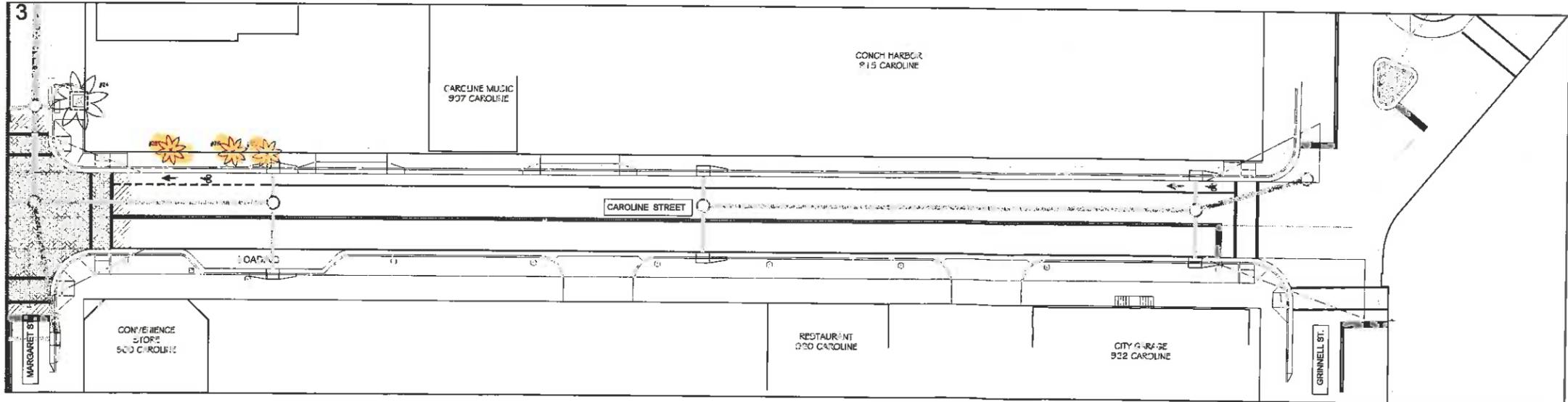
Drawing Size: 24x36 Project #:
 Drawn By: EN Checked By: EN
 Title: **EXISTING TREES & PALMS DISPOSITION PLAN**
 Sheet Number: **L-1.0**
 Date: February 10, 2015



1 TREE DISPOSITION PLAN
 SCALE: 1" = 20'-0"



2 TREE DISPOSITION PLAN
 SCALE: 1" = 20'-0"



3 TREE DISPOSITION PLAN
 SCALE: 1" = 20'-0"

4 EXISTING TREE DISPOSITION LIST
 SCALE: N.T.S.

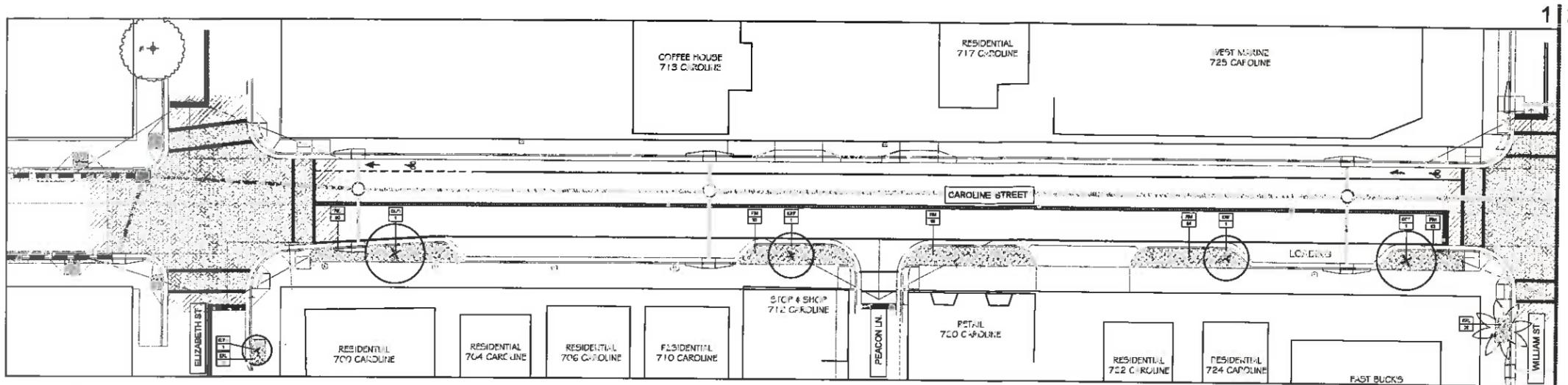
| NUMBER | BOTANICAL NAME | COMMON NAME | HEIGHT | SPREAD | DILIPER | CONDITION | STATUS | NOTES |
|--------|----------------------------------|-------------------|---------|---------|---------|-----------|-----------------------------|--|
| 1 | Pongamia perrata | Pongamia Tree | 30'-48" | 30'-35' | 18" | Fair | Remove / Provide Protection | City Property, Outside Project Limits |
| 2 | Conocarpus erectus | Queen Palmetto | 15'-18' | 8'-10' | 8" | Fair | Remove | Adjacent to Easement/Under CH Lines |
| 3 | Conocarpus erectus var. strictus | Silver Buttonwood | 10'-15' | 8'-10' | 8" | Fair | Remove | Adjacent to Easement/Under CH Lines |
| 4 | Not Used | | | | | | | |
| 5 | Not Used | | | | | | | |
| 6 | Not Used | | | | | | | |
| 7 | Not Used | | | | | | | |
| 8 | Not Used | | | | | | | |
| 9 | Coccothrinax nodosa | Coconut Palm | 25'-30' | 20' | 12" | Fair | Remove / Provide Protection | Plant Bed Provided in Proposed Paving Plan |
| 10 | Coccothrinax nodosa | Coconut Palm | 25'-30' | 20' | 12" | Good | Transplant to City Property | Located in Proposed Paving/Drainage Area |
| 11 | Riveria maritima | Traveller's Tree | 15'-20' | 10'-20' | 8" | Fair | Remove | Located in Proposed Sewer Line |
| 12 | Riveria maritima | Traveller's Tree | 15'-20' | 10'-20' | 8" | Fair | Remove | Located in Proposed Sewer Line |
| 13 | Syngne rosaeformis | Queen Palm | 10'-15' | 5'-10' | 7" | Poor | Remove | Located in Proposed Paving Area |
| 14 | Sabal palmetto | Sabal Palm | 20'-25' | 10' | 12" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 15 | Sabal palmetto | Sabal Palm | 20'-25' | 10' | 12" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 16 | Sabal palmetto | Sabal Palm | 20'-25' | 10' | 12" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 17 | Sabal palmetto | Sabal Palm | 20'-25' | 10' | 12" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 18 | Sabal palmetto | Sabal Palm | 20'-25' | 10' | 12" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 19 | Conocarpus erectus | Silver Buttonwood | 5'-10' | 8'-10' | 7" | Poor | Remove | Located in Proposed Paving Area |
| 20 | Conocarpus erectus var. strictus | Silver Buttonwood | 5'-10' | 8'-10' | 7" | Poor | Remove | Located in Proposed Paving Area |
| 21 | Sabal palmetto | Sabal Palm | 20'-25' | 10' | 12" | Fair | Transplant to City Property | Located in Proposed Paving Area |
| 22 | Sabal palmetto | Sabal Palm | 20'-25' | 10' | 12" | Fair | Transplant to City Property | Located in Proposed Paving Area |
| 23 | Coccothrinax nodosa | Coconut Palm | 25'-30' | 20'-22' | 12" | Fair | Remove / Provide Protection | Outside Project Limits |
| 24 | Coccothrinax nodosa | Coconut Palm | 25'-30' | 20'-22' | 12" | Fair | Remove / Provide Protection | Plant Bed Provided in Proposed Paving Area |
| 25 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 26 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 27 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 28 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 29 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 30 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 31 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 32 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 33 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 34 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 35 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 36 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 37 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 38 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 39 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 40 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 41 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 42 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 43 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 44 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
| 45 | Thrinax radiata | Thatch Palm | 10'-15' | 5'-10' | 8" | Good | Transplant to City Property | Located in Proposed Paving Area |
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diect canopy
 Removal Permit needed
 Removal NPR
 Removal Palm
 transplant
 transplant diect canopy

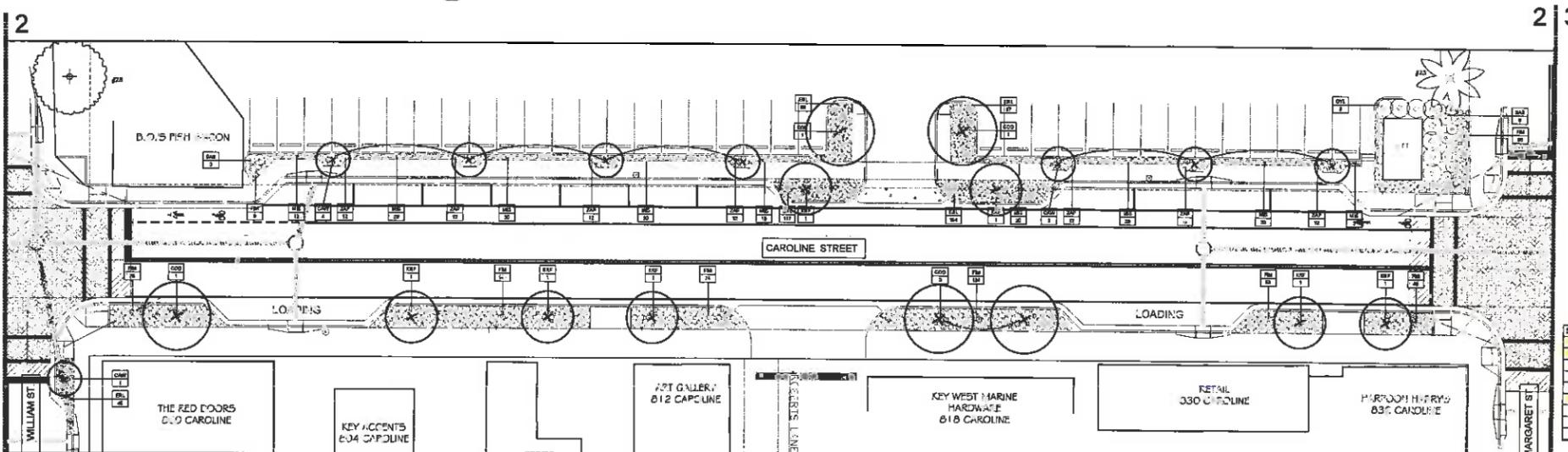
#2 Soapberry tree

LIMITS OF EXISTING TREE & PALM PROTECTION ZONE

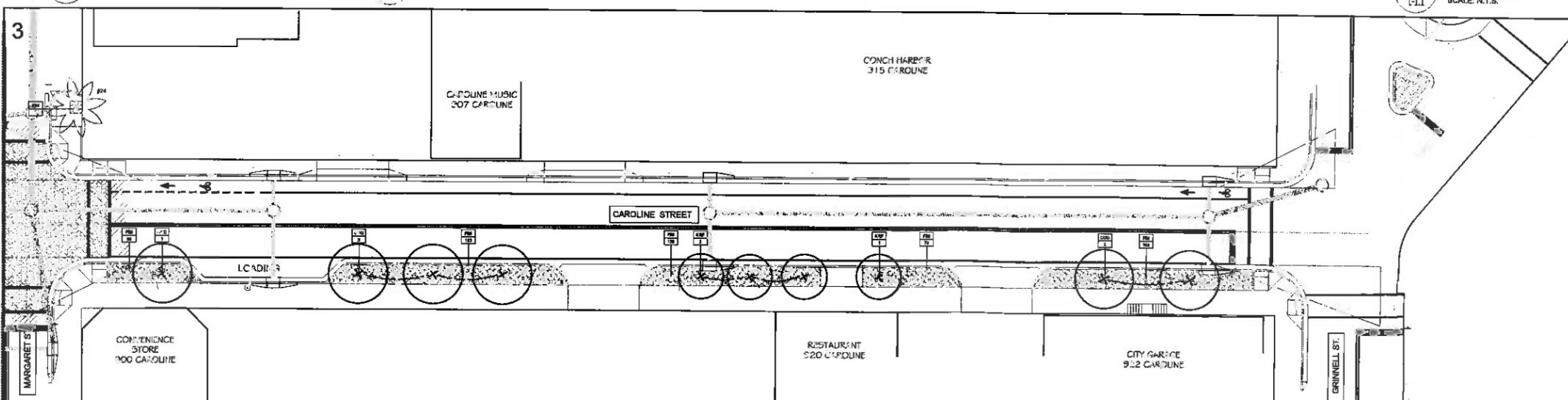
Notes:
 1. City of Key West Urban Forestry Manager to designate final transplant location for palms scheduled to be transplanted to City of Key West property outside project limits.
 2. Location, height, spread and caliper of trees/palms is approximate and must be field verified by Surveyor prior to construction commencing.
 3. Civil Engineering, Site Triangles and Survey provided by Perez Engineering and Development, Inc.
 4. See Civil Engineering Plans for all hardscape, site lighting and site furniture details and dimensioning.



1 LANDSCAPE PLAN
SCALE: 1" = 20'-0"



2 LANDSCAPE PLAN
SCALE: 1" = 20'-0"



3 LANDSCAPE PLAN
SCALE: 1" = 20'-0"

| SYMBOL | QUANTITY | SCIENTIFIC NAME | COMMON NAME | NATIVE CALIPER | HEIGHT | CANDY | CONTAINER | SPACING | CONDITION |
|--------|----------|---------------------------|----------------|----------------|--------|---------|-----------|---------|-----------|
| COO | 13 | Coccoloba luteiflora | Pigeon Plum | Yes | 2'-4" | 14'-6" | 6'-10" | 100 Gal | As Shown |
| BLK | 9 | Cordia verticillata | Cinnamon Bark | Yes | 2'-5" | 13'-12" | 9'-8" | 25 Gal | As Shown |
| BLK | 541 | Eriodina littoralis | Beach Creeper | Yes | NA | 12'-18" | 12'-18" | 1 Gal | 12" O.C. |
| FLM | 1700 | Ficus microcarpa | Green Island | No | NA | 12'-18" | 12'-18" | 3 Gal | 18" O.C. |
| GVL | 6 | Gymnanthes lupulata | Crestwood | Yes | 2'-3" | 9'-0" | 2'-3" | 25 Gal | As Shown |
| KRF | 13 | Krugiodendron binnun | Black Turnwood | Yes | 3'-4" | 14'-16" | 5'-10" | 100 Gal | As Shown |
| MIS | 202 | Microsorium scolopendrium | West Fern | No | NA | 12'-16" | 12'-16" | 3 Gal | As Shown |
| SAB | 12 | Sava bahamensis | Maidenbush | Yes | NA | 2'-58" | 24'-38" | 7 Gal | As Shown |
| ZAP | 84 | Zamia pumila | Coontie | Yes | NA | 18'-0" | 18'-0" | 7 Gal | As Shown |

4 PLANT LIST
SCALE: N.T.S.

Replacements
 $3.5" \times 13 = 45.5"$
 $2.5" \times 9 \times 2 = 45"$
 $2" \times 13 = 26"$

 116.5"

BID DOCUMENTS

Notes:
 1. Civil Engineering, Site Triangles and Survey provided by Perez Engineering and Development, Inc.
 2. See Civil Engineering plans for all hardscape, site lighting and site furniture construction details and dimensioning.

ELIZABETH NEWLAND
 LANDSCAPE ARCHITECTURE, LLC

2525 Porco de Leon Blvd,
 Suite 300
 Coral Gables, Florida 33134
 305.481.6301
 lznwland@bellsouth.net

Seal:
 ELIZABETH NEWLAND
 Registered Landscape Architect
 # LA0001288
 State of Florida
 Consultants:

Revisions:

CAROLINE ST. IMPROVEMENTS
 KEY WEST, FLORIDA

Drawing Size: 24x36
 Project #:
 Drawn By: EN
 Checked By: EN

Title:
 LANDSCAPE PLAN

Sheet Number:
 L-1.1

Date: February 10, 2016

Application

Travelers palm
NPR

Landscape Plan
approval
also
needed



Removal



7585 canopy
7586 palm

Tree Permit Application

Date: 9-10-15

Please Clearly Print All Information unless indicated otherwise.

Tree Address 700-900 BIK CAROLINE STREET ROW
Cross/Corner Street GRINNEU TO ELIZABETH
List Tree Name(s) and Quantity SEE ATTACHED PLANS
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 REMOVE VEGETATION TO ACCOMMODATE NEW PEDESTRIAN AND ROADWAY IMPROVEMENTS

Reason for Request IMPROVEMENTS

Property Owner Name CITY OF KEY WEST
Property Owner eMail Address gvalenec@cityofkeywest-fl.gov
Property Owner Mailing Address POBx 1409
Property Owner Mailing City KEY WEST State FL Zip 33040
Property Owner Phone Number (305) 887-3167
Property Owner Signature

Representative Name ELIZABETH NEWLAND
Representative eMail Address liznewland@bellsouth.net
Representative Mailing Address PO Box 140908
Representative Mailing City COAL COAL State FL Zip 33114
Representative Phone Number (305) 481-6301

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

SEE ATTACHED PLANS
5 BUTTWOOD - #2, 3, 19, 20, 29
2 TRAVELERS PALMS - #11, 12
1 QUEEN PALM - #13

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: 9-10-15

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 CARDINE STREET - GRINELL TO ELIZABETH

Property Owner Name CITY OF KEY WEST

Property Owner eMail Address gvdenecc@cityofkeywest-fl.gov

Property Owner Mailing Address PO Box 1400

Property Owner Mailing City KEY WEST State FL Zip 33040

Property Owner Phone Number (305) 609-3967

Property Owner Signature [Signature]

Representative Name ELIZABETH NEULAND

Representative eMail Address lizneuland@bellsouth.net

Representative Mailing Address PO Box 140908

Representative Mailing City CORAL GABLES State FL Zip 33114

Representative Phone Number (305) 481-6301

I _____, 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

The forgoing instrument was acknowledged before me on this 11th day September.

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

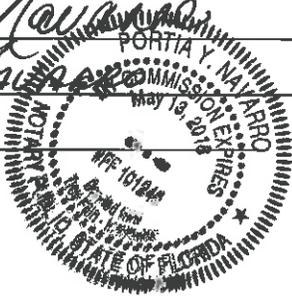
NOTARY PUBLIC

Sign Name: Portia Y. Navarro

Notary Public - State of Florida (seal)

Print Name: PORTIA Y. NAVARRO

My Commission Expires: _____



#2, #3





#19 - #20



#29



Fred Busch's
AT Home
tropical modern furniture





White balcony railing

SAVING 800

West Marine
Welcome Racers!

PAY TO PARK
IN THIS BLOCK







CONCH TOUR TRAIN

14 TOUR TRAIN

TOUR BUS
DROP OFF
PICK UP
ONLY
15 MINUTES

F.E.C. 3588

901



P
PARK
1-2 HOURS
MON-FRI 8AM-5PM
SAT 8AM-4PM
SUN 10AM-4PM
NO PARKING
IN FRONT OF
BUSINESS
OR RESIDENTIAL
BUILDINGS

P



MACS SE GARDEN



PAY TO PARK
IN THE BLOCK

WINDY

FLORIDA



HOTEL
KIRKLINE ST
KYRSFLY

MARGARET ST

URGENT CARE
305-796-0011

305-796-6666



PEPE'S

DOORS
1868