

May 3, 2018

Catherine Riiska, MS, PWS, Principal Planner
Growth Management Department
Martin County Board of County Commissioners
2401 S.E. Monterey Road
Stuart, FL 34996

Re:	Project Name:	Circle K – Revised Major Final Site Plan
	CH Project No.:	16-0804
	Project Number:	P166-002
	Application Type and Number:	D059 201700358
	Report Number:	2018_0418_C166-002_DRT_Staff_FINAL.docx

Dear Ms. Riiska:

Please accept this response letter addressing comments provided by staff on April 18th, 2018.

F. Determination of compliance with Comprehensive Growth Management Plan requirements - Growth Management Department

Unresolved Issues:

Item #1:

Consistency with Comprehensive Growth Management Plan

This application cannot be deemed to be in compliance with the Martin County Comprehensive Growth Management Plan (CGMP) until the issues identified in this report have been satisfactorily resolved. MARTIN COUNTY, FLA., CGMP POLICY 4.1A.1. (2016)

G. Determination of compliance with land use, site design standards, zoning, and procedural requirements - Growth Management Department

Unresolved Issues:

Item #1:

Option 1 Other Agency Permits

The applicant has elected 'Option 1' regarding Agency permit submittal for review for consistency. No final site plan shall be approved until all applicable local, state, and federal approved permits are submitted and reviewed by the County Administrator. If an application is made to any permitting agency for a modification to a permit that was required to be issued prior to final site plan approval, the application for the permit modification must be submitted concurrently to Martin County. MARTIN COUNTY, FLA., LDR §10.9.A (2016)

Remedy/Suggestion/Clarification:

Thank you for submitting the Federal Jurisdiction Determination from the Army Corp of Engineers (ACOE), which appears to satisfy the federal authorizations. However, other state and local authorizations remain required. Please submit documentation of the remaining required other agency authorizations or exemptions, as cited in Section V of this report.

Alternatively, the applicant may request in writing to utilize 'Option 2' pursuant to Section 10.9.A.2., LDR, Martin County, Fla. (2016), and elect to submit remaining outstanding authorizations or permits after

development order approval and before scheduling the pre-construction site meeting along with a \$600.00 consistency review fee.

[Applicant Response: We would like to request option 2 and submit all outstanding permits after development order approval. We will provide the \\$600.00 consistency review fee.](#)

Item #2:

Application Resubmittal Fee

If the applicant elects to make a resubmittal, an additional fee is required for the review of the elective resubmittal of documents for this development application. Please remit the \$2,282.00 elective resubmittal review fee with the resubmittal package. MARTIN COUNTY, FLA., LDR, §10.2.D.4

[Applicant Response: Acknowledged, the check for the \\$2,282.00 is included with this response to comments.](#)

Additional Information:

Information #1:

No land clearing is authorized prior to the mandatory pre-construction meeting for the project. Property corners and preservation areas shall be located by a licensed land surveyor and clearly marked in the field prior to the pre-construction meeting. Authorization for clearing to install erosion control devices and preserve barricades will be granted at the pre-construction meeting. No additional land clearing shall commence until a satisfactory inspection of the required control structures and barricades has been obtained. Authorization for the relocation of gopher tortoises within the development, as provided for on state agency permits, may be granted by the Growth Management Department upon review of required permit materials. MARTIN COUNTY, FLA., LDR § 4.37

Information #2:

Timetable Of Development - Final

The timetable of development for final site plans require all permits to be obtained within one year of approval and require all construction to be completed within two years of approval. [Martin County, Fla., LDR, Sections 10.1 and 5.32 (2016)]

H. Determination of compliance with the urban design and community redevelopment requirements – Community Development Department

Commercial Design

Unresolved Issues:

Item #1:

Artwork - Commercial Developments

In addition to all other requirements of this subsection 4.872.C, Land Development Regulations, Martin County, Fla. (2013), developments located at an intersection of two or more arterial or collector streets shall provide a prominent architectural feature such as, but not limited to a monument, sculpture or clock tower to emphasize their location as gateways and transition within the community. SECTION 4.872.C.5., LDR, MARTIN COUNTY, FLA. (2013)

Remedy/Suggestion/Clarification:

Please show on the Site Plan the required architectural feature.

[Applicant Response: Acknowledged, an architectural element has been added to the site plan emphasizing the location as a gateway. It has been added to the corner of SE Federal HWY and SE Cove Rd.](#)

Item #2:

Bicycle And Pedestrian Amenities

Bicycle and pedestrian amenities shall be provided as determined by the square footage of buildings on the site. These amenities may be incorporated into a pedestrian arcade or similar feature that otherwise meets the requirements of this division 20. Bicycle racks shall be provided within 50 feet of any customer

entrance. The design of all amenities shall be of durable, long-lasting materials, consistent with the design of the principal structures on site and principles found in Bicycle Facilities Planning and Design Handbook (State of Florida, Department of Transportation, 1997). Benches shall not be less than six feet in length and shall have either structural or vegetative shading. Required bike racks shall be the inverted "U" type and shall be designed to store a minimum of six bicycles each. MARTIN COUNTY, FLA., LDR, § 4.873.B. (2013)

Remedy/Suggestion/Clarification:

Please show on sheet 2 of the Revised Final Site Plan a detail of the required bike rack designed to store a minimum of 6 bicycles.

Applicant Response: The bike rack detail has been updated to show how it will hold a minimum of 6 bikes.

Community Redevelopment Area

The proposed project is not located within a Community Redevelopment Area. Therefore, the Community Redevelopment Area reviewer was not required to review this application. MARTIN COUNTY, FLA., LDR ARTICLE 3, DIVISION 6 (2016)

Applicant Response: Acknowledged.

I. Determination of compliance with the property management requirements – Engineering Department

No dedication of additional right of way is required or proposed by the Applicant pursuant to the Roadway Classifications set forth in Section 4.843.B, Land Development Regulations, Martin County, Fla. [2001] which includes Table 4.19.1 that lists the minimum right of way requirements. Therefore, the Applicant is not required to submit due diligence materials for review by the Martin County Real Property Division.

Applicant Response: Acknowledged.

J. Determination of compliance with environmental and landscaping requirements - Growth Management Department

Environmental

Unresolved Issues:

Item #1:

Land Clearing Page

The following shall be included on the land-clearing page:

1. Please show orange barricade fence along the limits of clearing to the south of the upland preserve area and on the west side of the preserve. Please also add a detail for the orange preserve barricade.

Applicant Response: Fencing has been revised to be along the southern and western boundary of the preserve area. Refer to sheet ES2.0 for the orange barricade fence detail.

2. Please show silt fencing on the west side of the preserve to protect it during installation of the drainage pipe. Silt fencing shall be offset a minimum of five feet from the preserve boundary.

Applicant Response: Silt fencing has been added.

3. Please correct the sign detail for the SWPPP sign to show "SS" and not "ST". Please also add a detail and location for the permit box.

Applicant Response: SWPPP detail has been revised and a permit box detail has been added to the SWPPP detail.

Landscape

Unresolved Issues:

Item 1:

Construction Standards - Tree Protection

Please provide for the locations, construction and maintenance requirements of tree protection barricades on the appropriate pages of the landscape and construction plans [Section 4.666.B., LDR]. The following shall be included on the land-clearing page:

Location of protected trees with tree protection barricades, where warranted. Barricades must be constructed around the critical protection zone of each tree or cluster of trees.

Construction details for the installation of erosion control devices and tree protection barricades. All barricades must be maintained intact for the duration of construction.

Construction standards/criteria that states: During periods of development and construction, the areas within the drip-line of preserved trees shall be maintained at their original grade with pervious landscape material. Within these areas, there shall be no trenching or cutting of roots; no fill, compaction or removal of soil; and , no use of concrete, paint, chemicals or other foreign substances.

These barricades must be constructed of a minimum of one-fourth-inch diameter rope which is yellow or orange in color and made of nylon or poly. The rope is to be attached to a minimum of 2 × 2 wooden poles, iron rebar, two inches or greater PVC pipe or other material with prior approval of the Growth Management Department. The rope must be a minimum of four feet off the ground and may not be attached to any vegetation.

Remedy/Suggestion/Clarification:

Tree protection must be shown on both landscape plans and construction plans. Provide detail of tree barricade on construction plans. Note to refer to landscape plans is not sufficient direction to site contractor.

4.9.18. Tree barricade locations are not shown on construction plans, provide detail of tree barricade on clearing plans. Response letter states that tree barricade detail is shown on site plan and construction plans; however, I cannot find this detail. Detail does not need to be on the site plan.

[Applicant Response: Acknowledged. The tree protection detail has been added to the construction plans on sheet ES2.0](#)

Item 2:

Preserve Area Interface Requirements

Please provide for the following planting requirements, pursuant to Sec 4.663.E., LDR:

A preserve area interface shall be established between required landscaping and stormwater treatment areas and preservation areas when preservation areas exist on a development site and when preserve areas abut a development site. The preserve area interface shall include a consolidation and connection of landscaping and stormwater treatment areas with preservation areas. Where more than one preservation area exists on a development site or abutting a development site multiple preserve area interfaces shall be created. Within the preserve area interface the use of plant materials shall be restricted to native species.

The following preserve area interface criteria shall be documented and met for all development sites where preservation areas are identified and where preserve areas have been identified adjacent to a development site:

1. Stormwater management systems. Plantings within dry retention and detention stormwater areas abutting preserve areas shall be restricted to native trees, native shrubs and native groundcovers. Wet retention and detention stormwater areas abutting preserve areas shall be designed and planted as littoral and upland transition zone areas (preserve area interface) and connected to preserve areas pursuant to Article 4, Division 8, LDR, MCC.

Add a note to the site plan and landscape plan to state that stormwater management areas are to be maintained with planted native vegetation, in perpetuity.

Remedy/Suggestion/Clarification:

4.9.18. Response says that only native vegetation is utilized adjacent to the preserve, however bahia sod is not a native species. The retention area needs to be consolidated with the preserve area as required by Code and planted with native species.

Applicant Response: Per discussions with staff additional native plantings have been added to the drainage area to satisfy the preserve area interface.

K. Determination of compliance with transportation requirements - Engineering Department

Findings of Compliance:

The Traffic Division of the Engineering Department finds this application in compliance.

Compliance with Adequate Public Facilities Ordinance:

Staff has reviewed the Traffic Statement prepared by O'Rourke Engineering and Planning, dated January 2018. O'Rourke Engineering and Planning stated that the site's maximum impact was assumed to be 37 directional trips during the PM peak hour. Staff finds that Cove Road is the recipient of a majority of the generated trips. The generalized service capacity of Cove Road is 880. The project impact is 2.5% of the maximum volume of that roadway. Cove Road is currently operating at a level of service C; it is anticipated to operate at level of service C at buildout (year 2020).

Applicant Response: Acknowledged.

L. Determination of compliance with county surveyor - Engineering Department

The applicant has provided a certified boundary and topographic survey for the proposed development, pursuant to Section 10.1.F., LDR, Martin County, Fla. (2016). Therefore, the Engineering Department was not required to review this application for consistency with the Martin County Codes for survey requirements contained in Article 4, LDR, Martin County, Fla.

Applicant Response: Acknowledged.

M. Determination of compliance with engineering, storm water and flood management requirements - Engineering Department

Unresolved Issues:

Item #1:

Rights Of Way Improvements

1. The proposed turn lane on SR-5 (SE Federal Highway) does not meet the minimum length specified by FDOT Index #301

Applicant Response: For a 45 mph road the striping length is 100' and from the end of striping to the end of taper is 85'. Refer to revised sheet C1.1 for dimensions.

2. As previously requested, dimension the width of the proposed turn lane along SR-5 (SE Federal Highway) on the Final Site Plans and Construction Plans.

Applicant Response: The dimension has been added. Refer to revised sheet C1.1.

3. Demonstrate that the proposed turn lane meets the minimum 3% cross slope requirement.

Applicant Response: Refer to sheet C3.1.

4. As previously requested include a bike lane (between the turn lane and through lane) along SR-5 (SE Federal Highway) on the Final Site Plans and Construction Plans.

Applicant Response: Acknowledged. The bike lane has been provided and will be shown more clearly. Refer to revised sheets C1.0 and C1.1 for bike lane striping.

5. Demonstrate that the existing roadside drainage along SE Federal Highway is not being blocked. Provide details (including inverts) for driveway culvert if required. [MARTIN COUNTY, FLA., LDR SECTION 4.843.D (2010)]

Applicant Response: Inlet has been added to provide positive drainage. Refer to revised sheet C2.0.

6. It is unclear if the existing drainage inlet within the proposed paved shoulder along SR-5 (SE Federal Highway) is being relocated. The inlet is not shown consistently on all the plan sheets. Show details for relocation of existing drainage inlet, or show new location if inlet has already been moved.

Applicant Response: The inlets are being removed and replaced with proposed inlets that will tie into the existing 24"RCP pipe.

7. Although the crosswalk markings at both driveways were revised in the Construction plans for consistency with Detail R-120B for Stop Controlled conditions, the Final Site Plan still shows markings for Mid-Block Crosswalks.

Applicant Response: The final site plan has been updated to reflect the parallel markings for the cross walk.

8. The light pole that is being relocated is maintained by Martin County.
 - a. Provide electrical details of the light pole relocation.

Applicant Response: Refer to revised sheet C4.0 for light pole relocation.

- b. Add the following notes to the Construction Plans:
 - i. All street light poles and circuits relocations must be done by a certified electrical contractor.
 - ii. Contact Bobby Allensworth at 772-288-5465 prior to any activities that require changes to the street light circuits.
 - iii. Relocate all street light circuits the same day of the pole relocation.

Applicant Response: Refer to revised sheet DM1.0.

Item #2:

Off Street Parking

All proposed sidewalks must be 6-feet in width.

Applicant Response: Acknowledged. The side walks have been checked for consistency with this code section, all sidewalks measure 6'.

Item #3:

Consistency With Other Plans

Provide the OR BK & PG for the utility easement shown on the Final Site plan.

Applicant Response: Acknowledged. All recorded easements show the recording information.

Item #4:

Stormwater Management Submitted Materials

A Stormwater Maintenance Plan was not included in the resubmittal. The Stormwater Maintenance Plan must include, at a minimum, the following: A written plan describing in detail the operation and maintenance of the stormwater management system in order to ensure the perpetual functioning of the system. This plan should include a detailed checklist of items that must be inspected on an annual basis, or more frequently as necessary, for the proper operation of the system. The stormwater maintenance plan shall ensure that all areas within the stormwater management system have a plan for the removal of nuisance exotics. In addition, the continued monitoring of nuisance exotics shall be included in the maintenance plan to ensure that no regrowth has occurred. [MARTIN COUNTY, FLA., LDR SECTION 4.386 (2015)]

[Applicant Response: A revised Stormwater Maintenance Plan has been included with this resubmittal.](#)

Item #5:

Stormwater Management Pre-Development

As previously requested, provide documentation that supports the tailwater design elevation for the FDOT drainage ditch. The application referenced as documentation has not been approved. Staff has also requested supporting documentation from that applicant.

[Applicant Response: We reached out to FDOT District 4 Drainage Office for information regarding the US-1 drainage system and the FDOT lateral canal. The design tailwater has been updated per the design highwater level of the ditch in the US-1 design plans, FDOT Project #89010-3500 / SFWMD application # 990611-6. A copy of the relevant pages of this report have been included in Appendix D of the revised stormwater report.](#)

Item #6:

Stormwater Management Post-Development

1. Revise the post development basin boundary map to accurately reflect the proposed system. The perimeter berm should be located along the basin limits. Show where the perimeter berm is being met on the plans.

[Applicant Response: A revised Post-Development Basin Map which reflects the currently-proposed drainage system has been included in the revised drainage report. The portion of the perimeter berm not within the pond bank has been outlined on the plans and in the post-development basin exhibit.](#)

2. As previously requested, the Water Table Elevation in the percolation link of the ICPR Drawdown Report, must be set at the Wet Season Water Table. The Water Table Elevation is set at 11' in the simulation, but at 13.5' in the rest of the calculations and report.

[Applicant Response: The drainage system has been designed, and the pond recovery is able to be accomplished without the use of percolation. The groundwater table and percolation link have been removed from the updated ICPR model.](#)

3. As previously requested, provide supporting documentation for the horizontal and vertical conductivity assumed for this Report.

[Applicant Response: The drainage system has been designed, and the pond recovery is able to be accomplished without the use of percolation. The percolation link has been removed from the updated ICPR model.](#)

Item #7:**Stormwater Management Construction Plans**

1. The bleeder must be set at least one inch above the bottom of dry detention areas.

Applicant Response: Refer to revised sheet C2.1.

2. It is unclear where the minimum perimeter berm (25-year, 72-hour stage) elevation has been met. (SFWMD ERP manual Volume IV & 4.386.G)

Applicant Response: The 25-yr 72-hr storm event is being held entirely in the detention pond and is also not flooding the site at that elevation.

3. Demonstrate that there is adequate access to the control structure taking the proposed landscaping into consideration.

Applicant Response: Maintenance access for the on-site control structure can be provided from the NW corner near the canal and through a path over the outfall pipe which will not have any obstructing landscaping.

4. Provide baffle for control structure.

Applicant Response: Refer to revised sheet C2.1.

5. Provide construction details for the proposed skimmer on the control structure.

Applicant Response: Refer to revised sheet C2.1.

6. The top of the Control structure is lower than the 25 year, 3 day storm event. Raise the top of the control structure to meet the 25 year, 3 day storm event or include the control structure as a weir in the ICPR flood routings.

Applicant Response: The top of the control structure has been revised to 17.85 while the 25-yr 72-hr storm event is has been revised to 17.82. Refer to revised sheet C2.1.

7. Provide Winged Concrete Endwalls per FDOT Standard Index 266 for the outfall culverts in the ditch. Demonstrate that the proposed location of the Winged Concrete Endwalls does not reduce the width of the existing ditch bottom. Provide existing elevations and/or contours for the ditch. The current alignment of the proposed mitered end section is against the flows within the ditch. Realign the pipe that is between the control structure and the ditch to provide a parallel alignment of the winged concrete endwall in the ditch. A structure between the dry detention and ditch may be necessary to achieve this alignment. Mitigate the potential for erosion on the banks of the ditch by armoring the ditch bank and bottom with bank and shore rip rap (1'-3' diameter). Provide a detail.

Applicant Response: Winged Endwall has been added and called out as structure D-9. Also, existing pond elevations have been called out. Rip rap has also been added.

8. A portion (but not all) of the drainage details are provided on the Grading and Paving Plan. Provide the remainder of the details for consistency.

Applicant Response: Additional drainage details have been added to the civil plans set.

9. Demonstrate how stormwater runoff is being collected from the rear of the buildings. It is unclear how the depression areas and yard drains will collect all of the stormwater runoff, as the proposed grades still show a continuous slope from the proposed building to SE Pine Avenue in some areas. The proposed wall cannot be utilized to direct stormwater runoff.

Applicant Response: Refer to revised sheet C3.0 for grading slopes and arrows

10. Cross Section B/B is inconsistent with the proposed elevations shown on the plan view. Revise section to provide a smoother transition onto the site.

Applicant Response: The transition included a valley gutter and sheets C1.0 and C5.0 have been revised accordingly.

11. The proposed contour line elevations along SE Pine Avenue are inconsistent between plan sheet C3.0 to C3.1.

Applicant Response: Refer to revised sheets C3.0 and C3.1 for contour labels.

12. Sheet C3.1 in the Construction Plans does not show the proposed HDPE from the dry retention area to the ditch.

Applicant Response: Refer to revised sheet C2.1 and C3.1.

13. Label 6-foot masonry wall on all plans.

Applicant Response: Label has been added.

14. Show the upland buffer on all plans and demonstrate that construction is not proposed within 5 feet of the upland buffer. Staff was unable to locate the upland buffer on the plan sets.

Applicant Response: The limits of disturbance is shown on sheet ES1.1. It is located more than 5 feet from the preserve area.

15. As previously stated, stabilization (seed or sod) of the disturbed areas must be completed within 30 days of vegetation removal. Provide method of stabilization. The note was not found on Sheet D1.0

Applicant Response: Refer to revised sheet DM1.0 note 19 for method of stabilization. Also refer to sheet ES1.0 note M.

16. Update the Martin County Standard details for consistency with the latest revisions. Provide detail name and number on each Martin County Standard Detail on Sheet D2.0 of the Construction Plans.

Applicant Response: The Martin County Standard details have been verified to be the latest versions. Refer to revised sheets D2.0 and D3.0.

Additional Information:

Information #1:

Staff is still evaluating whether the dedication of an easement for the maintenance of the ditch will be required. Provide a section through the maintenance easement demonstrating how this area will be graded to provide access.

Applicant Response: The maintenance easement has been provided as discussed with the County.

N. Determination of compliance with addressing and electronic file submittal requirements – Growth Management and Information Technology Departments

Addressing

Findings of Compliance:

The application has been reviewed for compliance with Division 17, Addressing, of the Martin County Land Development Regulations. Staff finds that the proposed site plan / plat complies with applicable addressing regulations. All street names are in compliance. They meet all street naming regulations in Article 4, Division 17, Land Development Regulations. Martin County, Fla. (2018).

[Applicant Response: Acknowledged.](#)

Electronic File Submittal

Unresolved Issues:

Item #1:

No new AutoCAD final site plan dwg file was received with your resubmittal.

[Applicant Response: An AutoCAD final site plan dwg file is provided with this response to comments.](#)

O. Determination of compliance with utilities requirements - Utilities Department

Water and Wastewater Service

Unresolved Issues:

Item #1:

Drawings Must Be Approved

The construction drawings must be approved by the Utilities and Solid Waste Department prior to sign off by the Department of permit applications and agreements. [ref. Code, LDR, s.10.2.B.5. Code, LDR, Art.10]

[Applicant Response: Acknowledged.](#)

Item #2:

Must Submit Agreement

The applicant must submit an executable, final draft water and wastewater service agreement to the Growth Management Department for review by the Legal and Environmental Services departments prior to approval of the final site plan. The 'Water and Wastewater Service Agreement' must be executed and the applicable fees paid within sixty 60 days of final Martin County approval of the request.

[Applicant Response: A final executable draft of the water and wastewater service agreement has been included with this submittal.](#)

Wellfield and Groundwater Protection

Findings of Compliance:

The application has been reviewed for compliance under the Wellfield Protection Program. The reviewer finds the application in compliance with the Wellfield Protection and Groundwater Protection Ordinances. [Martin County, Fla., LDR, Division 5]

[Applicant Response: Acknowledged.](#)

P. Determination of compliance with fire prevention and emergency management requirements – Fire Rescue Department

Fire Prevention

Unresolved Issues:

Item #1:

WATER SUPPLY

NEEDED FIRE FLOW REQUIREMENT FOR BUILDINGS

Identify the Needed Fire Flow Requirements for all buildings / structures. Fire flow calculations shall be prepared by a professional engineer currently licensed in the state of Florida for each newly constructed building. Per Florida Administrative Code section 61G15-32.004 Fire Protection Engineering documents shall include the point of service for the water supply, a list of NFPA standards applicable to the project, classification of hazard and occupancy for each room or area, suppression system type, design densities, water supply data (fire pump, hydrant flow test data) and any performance based information such as pre-engineered systems.

The Needed Fire Flow Requirement must be in accordance with Florida Fire Prevention Code, N.F.P.A. 1, Chapter 18.4.5 (latest adopted edition). The Guide for Determination of Needed Fire Flow, latest edition, as published by the Insurance Service Office (ISO). All calculations must be demonstrated and provided.

Applicant Response: The fire flow calculations are provided with this submittal, NO sprinklers are proposed.

APPROVED WATER SUPPLY – HYDRANT FLOW TEST

A hydrant flow test will be required to determine the available water supply to meet the needed fire flow for this project. Contact the Fire Prevention office at (772)288-5633 to schedule the flow test.

Applicant Response: A hydrant flow test on the two available fire hydrants has been conducted and submitted. A copy of this hydrant flow test has been included again with this submittal.

Emergency Management

The applicant has indicated that the project is for a non-residential use pursuant to Section 10.1.F., LDR, Martin County, Fla. (2016). Therefore, this project is not anticipated to impact Martin County Emergency Management resources and Emergency Management was not required to review this application.

Applicant Response: Acknowledged.

Q. Determination of compliance with Americans with Disability Act (ADA) requirements - General Services Department

Findings of Compliance:

The General Services Department staff has reviewed the application and finds it in compliance with the applicable Americans with Disability Act requirements.

Applicant Response: Acknowledged.

R. Determination of compliance with Martin County Health Department and Martin County School Board

Martin County Health Department

The applicant has indicated that the proposed final site plan contains no onsite potable wells or septic disposal systems. Therefore, the Department of Health was not required to review this application for consistency with the Martin County Code requirements within the Land Development Regulations or Comprehensive Growth Management Plan. MARTIN COUNTY, FLA., LDR SECTION 10.1.F. (2016)

Applicant Response: Acknowledged.

Martin County School Board

The applicant has indicated that the proposed final site plan is for a non-residential use. Therefore, the Martin County School Board was not required to review this application for consistency with the Martin County Code requirements for school concurrency purposes. MARTIN COUNTY, FLA., LDR SECTION 10.1.F. (2016)

Applicant Response: Acknowledged.

S. Determination of compliance with legal requirements - County Attorney's Office

Review Ongoing

[Applicant Response: Acknowledged.](#)

T. Determination of compliance with the adequate public facilities requirements - responsible departments

The following is a summary of the review for compliance with the standards contained in Article 5.7.D of the Adequate Public Facilities LDR for a Certificate of Adequate Public Facilities Reservation.

Potable water facilities service provider – Martin County Utilities

Source - Environmental Services Department

Findings - Pending

Reference - see Section O of this staff report

Sanitary sewer facilities service provider – Martin County Utilities

Source -Environmental Services Department

Findings - Pending

Reference - see Section O of this staff report

Solid waste facilities

Findings – In Place

Source - Growth Management Department

Stormwater management facilities

Findings - Pending

Source - Engineering Department

Reference - see Section N of this staff report

Community park facilities

Findings – N/A

Source - Growth Management Department

Roads facilities

Findings - Comply

Source - Engineering Department

Reference - see Section M of this staff report

Mass transit facilities

Findings – In Place

Source - Engineering Department

Reference - see Section L of this staff report

Public safety facilities

Findings – N/A

Source - Growth Management Department

Reference - see Section P of this staff report

A timetable for completion consistent with the valid duration of the development is to be included in the Certificate of Public Facilities Reservation. The development encompassed by Reservation Certificate must be completed within the timetable specified for the type of development.

[Applicant Response: Acknowledged.](#)

U. Post-approval requirements

Approval of the development order is conditioned upon the applicant's submittal of all required documents, executed where appropriate, to the Growth Management Department (GMD), including unpaid fees, within sixty (60) days of the final action granting approval.

Item #1:

Post Approval Requirements List: After approval the applicant will receive a letter and a Post Approval Requirements List that identifies the documents and fees required. The applicant will return the Post Approval Requirements List along with the required documents in a packet with the documents arranged in the order shown on the list.

Item #2:

Post Approval Fees: The applicant is required to pay all remaining fees when submitting the post approval packet. If an extension is granted, the fees must be paid within 60 days from the date of the development order. Checks should be made payable to Martin County Board of County Commissioners.

Item #3:

Post Approval Impact Fees: Impact fees must be paid after the development order has been approved. Submit a check made payable to Martin County Board of County Commissioners within 60 days of project approval.

Item #4:

Recording Costs: The applicant is responsible for all recording costs. The Growth Management Department will calculate the recording costs and contact the applicant with the payment amount required. Checks should be made payable to the Martin County Clerk of Court.

Item #5:

One (1) copy of the recorded warranty deed if a property title transfer has occurred since the site plan approval. If there has not been a property title transfer since the approval, provide a letter stating that no title transfer has occurred.

Item #6:

Original and one (1) copy of the current Unity of Title in standard County format if a property title transfer has occurred since the site plan approval. If there has not been a property title transfer since the approval, provide a letter stating so that no transfer has occurred.

Item #7:

Ten (10) 24" x 36" copies of the approved construction plans signed and sealed by the Engineer of Record licensed in the State of Florida. Fold to 8 by 12 inches.

Item #8:

Ten (10) copies 24" x 36" of the approved site plan and one (1) reduced copy 8 1/2" x 11".

Item #9:

Original approved site plan on Mylar or other plastic, stable material.

Item #10:

Ten (10) 24" x 36" copies of the approved landscape plan signed and sealed by a landscape architect licensed in the State of Florida.

Item #11:

One (1) digital copy of site plan in AutoCAD 2010 - 2014 drawing format (.dwg). The digital version of the site plan must match the hardcopy version as submitted.

Item #12: Original of the construction schedule.

Item #13:

Original of the Engineer's Design Certification, on the County format which is available on the Martin County website, signed and sealed by the Engineer of Record licensed in the State of Florida.

Item #14:

Original and one (1) copy or two (2) copies of the executed and signed Water and Wastewater Service Agreement with Martin County Regional Utilities and one (1) copy of the payment receipt for Capital Facility Charge (CFC) and engineering and recording fees.

[Applicant Response: Acknowledged.](#)

V. Local, State, and Federal Permits

Approval of the development order is conditioned upon the applicant's submittal of all required applicable Local, State, and Federal Permits, to the Growth Management Department (GMD), prior to approval (Option 1).

Item #1:

Environmental

The following must be submitted prior to scheduling the pre-construction meeting or during the post approval process:

1. Florida Fish and Wildlife Conservation Commission (FWC) listed species (gopher tortoise) survey or relocation permit.

Applicant Response: Acknowledged. We request to have option 2 and submit all other agency permits after site plan approval.

Item #2:

Public Works

The following permits must be submitted prior to scheduling the Pre-Construction meeting:

1. FDOT Driveway / Connection Permit
2. Martin County Right of Way Use Permit
3. South Florida Water Management District (SFWMD) Environmental Resource Permit (ERP)
4. Florida Department of Transportation (FDOT) Drainage Connection Permit
5. Florida Department of Environmental Protection (FDEP) NPDES Generic Permit for Stormwater Discharge for Large and Small Construction Activities

Applicant Response: Acknowledged.

Item #3:

Wellfield and Groundwater Protection

The applicant must provide a copy of all required South Florida Water Management permits prior to scheduling the Pre-Construction meeting.

Applicant Response: Acknowledged.

X. General application information

Applicant: Circle K Stores, Inc.

Ryan Plate

12911 N Telecom Pkwy Tampa, FL 33629

Agent: Cotleur & Hearing Daniel T. Sorrow

1934 Commerce Lane, Suite 1

Jupiter, FL 33458

561-747-6336

I trust that the answers to the comments included in this resubmittal are complete and will allow this project to be approved at the earliest possible date. Please contact this office with any questions you may have in your review of this information.

Sincerely yours,



Daniel T. Sorrow, AICP, PLA, LEED AP BD+C

Cotleur & Hearing

1934 Commerce Lane, Suite 1

Jupiter, FL 33458

Water & Wastewater Service Agreement Information Form

Please complete the requested information below and return to the Martin County Utilities and Solid Waste Department. This information will be inserted into the standard "Water & Wastewater Service Agreement". The draft agreement will then be returned for your review. Note: Upon final Martin County approval of the project the owner/developer must execute the agreement and submit all applicable fees within 60 days of said approval.

Date: _____

Project Name: _____

Of Water ERCs Proposed: _____

Of Previously Purchased or Assessed Water ERC's (If Known): _____

Of Irrigation Water ERCs Proposed: _____

Of Wastewater ERCs Proposed: _____

Of Previously Purchased or Assessed Wastewater ERC's (If Known): _____

Justification of ERC calculations (i.e. flow calculations): _____

Indicate whether "DEVELOPER" as referred to in the agreement is either a(n) (please check one):

_____ Corporation - Please Provide Federal Tax ID # _____

_____ Individual(s) - Please Provide Driver's License # _____

_____ Partnership - Please Provide Federal Tax ID # _____

Name/Title, Address, and Telephone No. of Individual(s)/Corporation/Partnership executing agreement (**MUST BE THE CURRENT PROPERTY OWNER**):

email address: _____

Name/Title of person(s) executing on behalf of Corporation/Partnership:

email address: _____

Engineer/Agent Name, Address & Telephone No.:

email address:_____

Name, Address & Telephone No. of Individual/Organization to receive notices, updated correspondence, etc. if different from the developer:

email address:_____

If "DEVELOPER" is a Corporation or Partnership, an original or certified copy of the appropriate corporate resolution or proof of the general partner's authority is required.

Attach a copy of the Legal Description and the Warranty Deed of the property to be serviced.

If you have any questions please contact Leo Repetti, P.E at (772) 320-3065.

STORMWATER MANAGEMENT SYSTEM OPERATION & MAINTENANCE PLAN

Circle K - Martin County, Florida

The Circle K Convenience Store/Gas Station stormwater management system conveys stormwater to a dry retention area used to treat the first flush of runoff via catch basins and storm pipe and then outfalls to the Martin County maintained canal at the north end of the site. Proper maintenance is essential to the performance and treatment capacity of the system. A recommended maintenance schedule is outlined below, however additional inspections or maintenance may be required after significant rainfall events totaling more than 3 inches of rain in a 24 hour period.

Monthly Maintenance

1. Mechanically sweep surface parking and roadways.
2. Remove trash and debris from dry retention area.
3. Mow dry retention area as needed to prevent vegetative overgrowth. Exotic and nuisance vegetation should be removed to prevent overgrowth of required approved plantings.

Every 3 Months

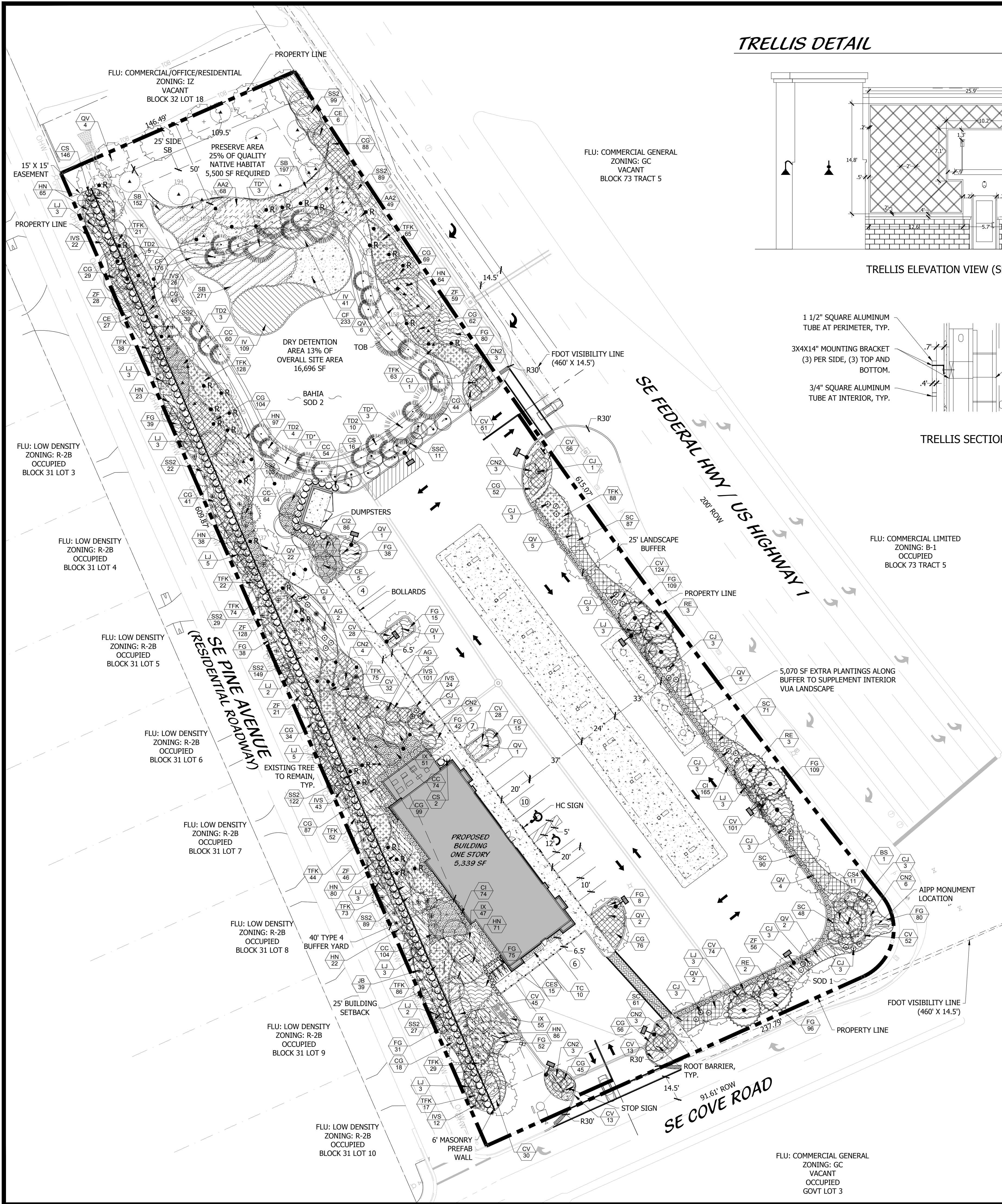
1. Perform Monthly Maintenance as described above.
2. Inspect inlets, manholes, and piped outfalls. Remove any trash, debris, or obstructions.

Annual Maintenance

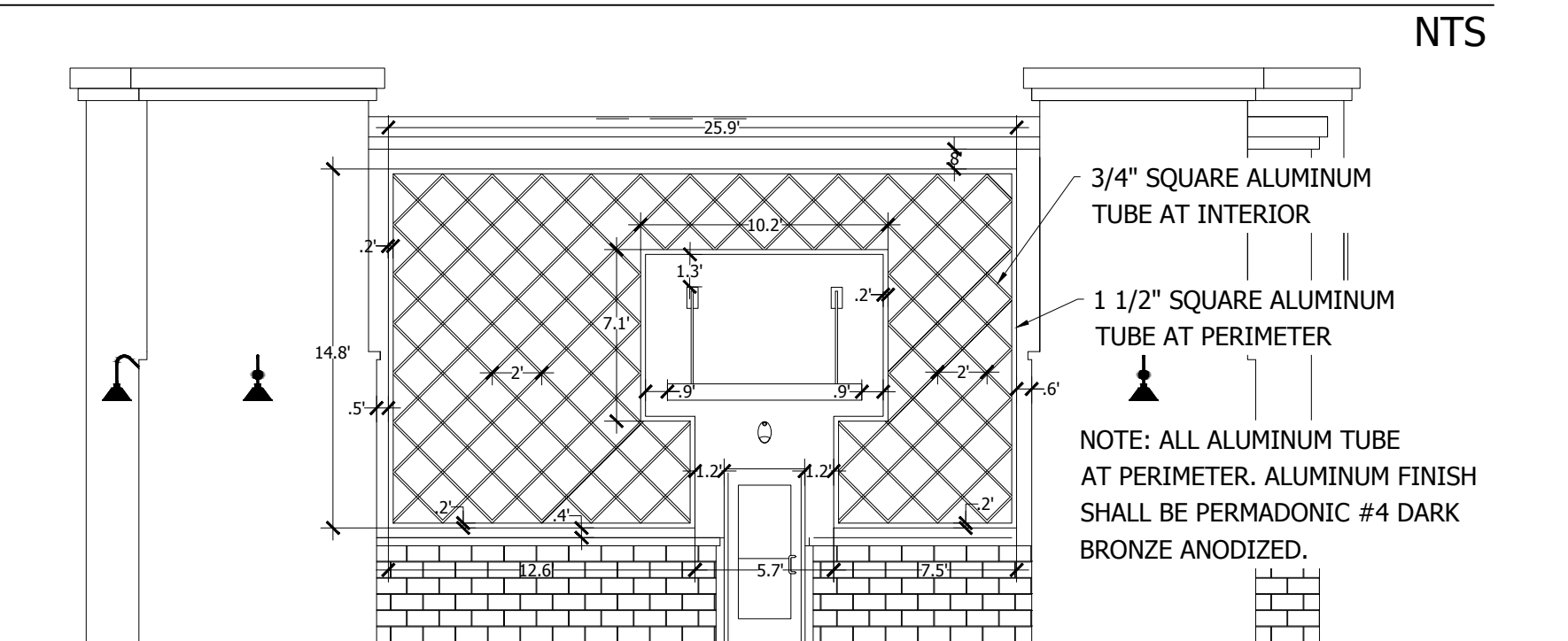
1. Perform Monthly and 3-Month Maintenance as described above.
2. Remove accumulated sediment and debris from catch basin and manholes. Overflow weirs and control structure should be free of debris and ready for service. Sedimentation and oil/grit separators should be scheduled for cleaning when sediment depth approaches cleanout level. Cleanout levels should be established not less than 1 foot below the invert elevation of the chamber.



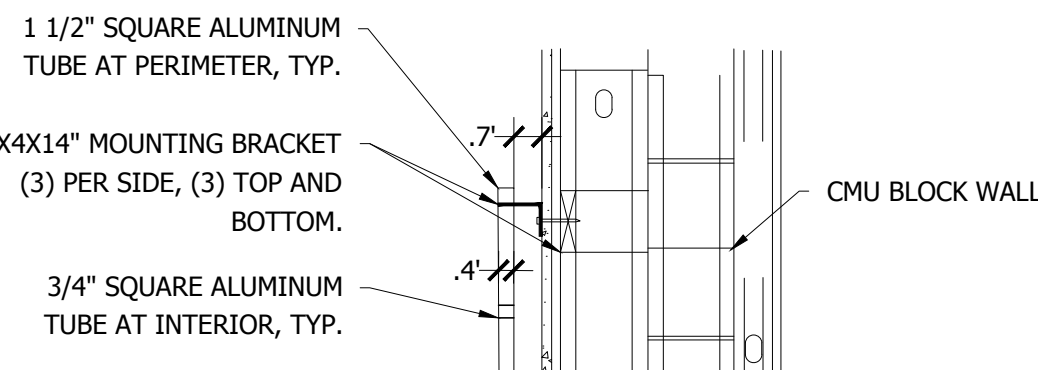
ANDREW J. PETERSEN, P.E.
June 20, 2018



TRELLIS DETAIL

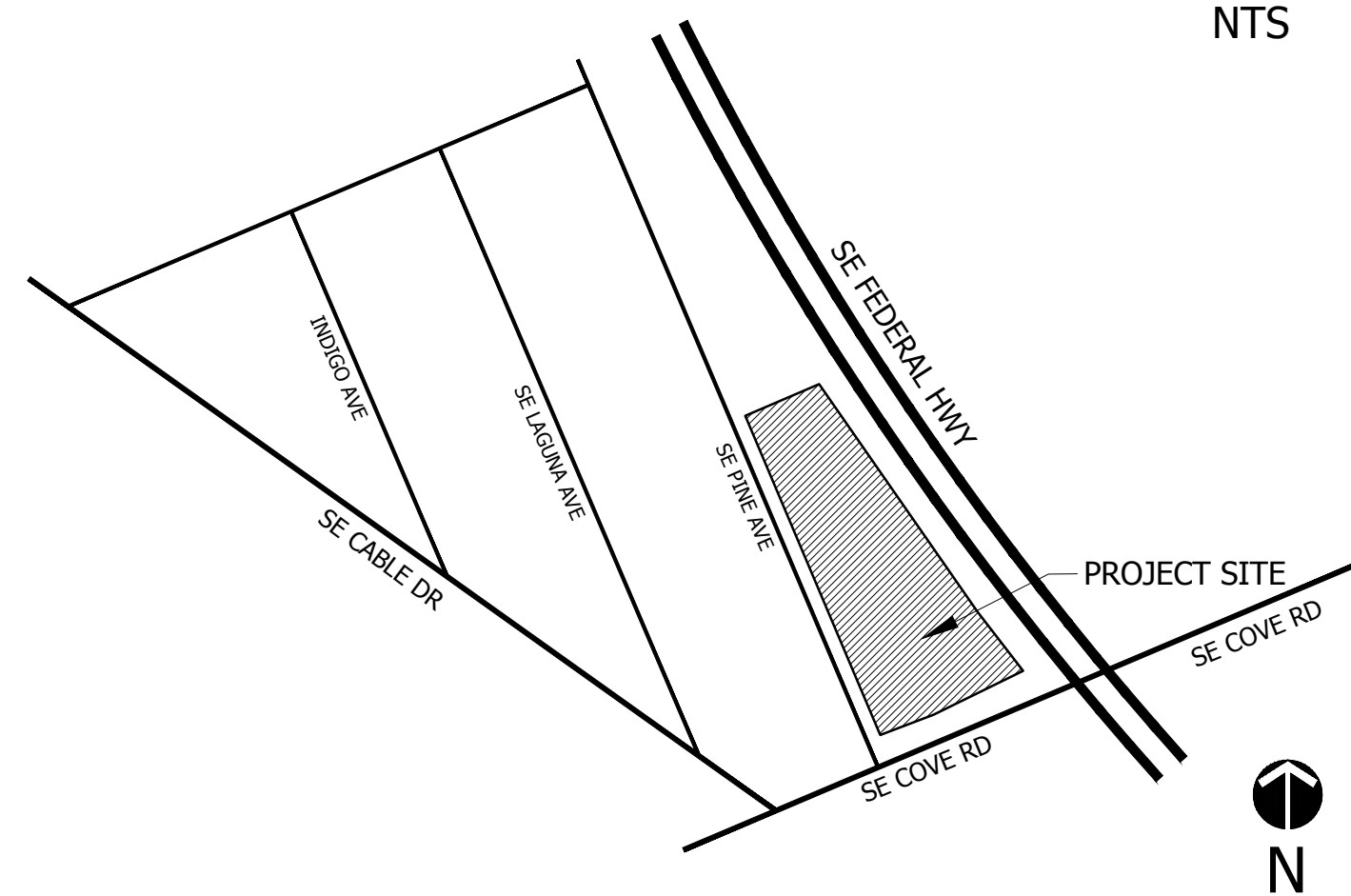


TRELLIS ELEVATION VIEW (SE COVE ROAD)



TRELLIS SECTION VIEW

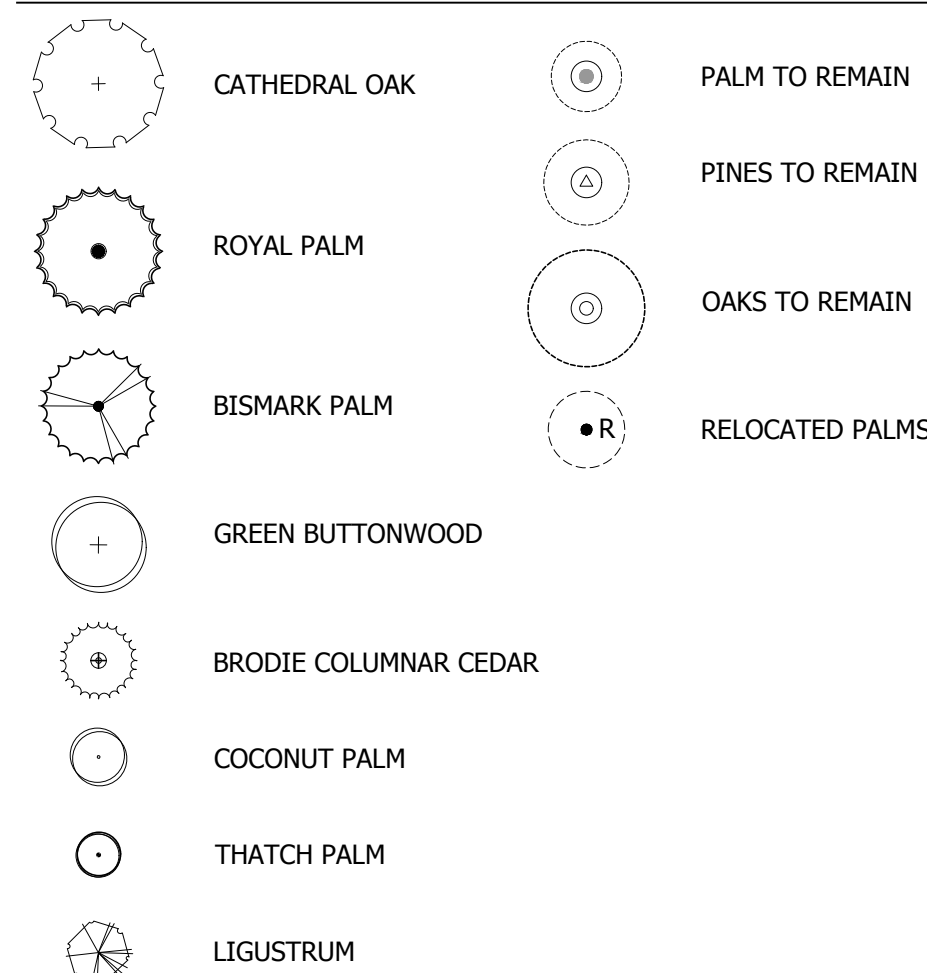
LOCATION MAP



LANDSCAPE DATA

TOTAL SITE AREA	124,791 SF (2.86 ACRES)	
VEHICULAR USE LANDSCAPE AREA REQ.	REQUIRED	PROVIDED
INTERIOR VUA		
ONE 500 SF OF PLANTING AREA REQUIRED FOR EVERY 5,000 SF OF VUA (VUA AREA= 45,840 SF/ 5,000 = 10)	5,000 SF	6,798
INTERIOR VUA AREA		1,728 SF
PERIMETER VUA AREA		5,070 SF
*PERIMETER AREA OF VUA USED TO SUPPLEMENT THE INTERIOR PLANTING AREA REQUIREMENT		
ONE TREE PER EVERY LANDSCAPE ISLAND	5 TREES	6 TREES
REQUIRED LANDSCAPE AREA	20%	43.42%
PERIMETER VUA		
25 FT WIDE LANDSCAPE STRIP ALONG US 1	14,250 SF	14,250 SF
ONE TREE PER 30 LF (615.07 LF / 30 LF = 21 TREES)	21	21
TYPE 4 40 FT WIDE LANDSCAPE STRIP ALONG PINE AVE	24,395 SF	24,500 SF AVERAGE
ONE TREE PER 300 SF (24,394.8 SF / 300 SF = 81 TREES)	81	156
(30 EXISTING TREES)		
(126 PROPOSED TREES)		
34 SHRUBS PER 300 SF (24,394.8 SF / 300 SF X 34 = 2,765 SHRUBS)	2,765	3,407
25 FT WIDE LANDSCAPE STRIP ALONG COVE RD	5,578 SF	5,578 SF
ONE TREE PER 30 LF (237.79 LF / 30 LF = 8 TREES)	8	8
25 FT WIDE LANDSCAPE STRIP ALONG NORTH END	3,642 SF	3,642 SF
ONE TREE PER 30 LF (146.49 LF / 30 LF = 5 TREES)	5	5
TOTAL	115	121
MINIMUM OF 25% OF TOTAL PERIMETER LANDSCAPE MUST BE NATIVE PLANTINGS	29 TREES	114 TREES
MINIMUM OF 75% OF TOTAL PERIMETER LANDSCAPE MUST BE SHADE TREES	87 TREES	107 TREES
GENERAL REQUIREMENTS	REQUIRED	PROVIDED
1 TREE PER 2,500 SQUARE FEET OF TOTAL SITE AREA (124,791 / 2,500 = 50 TREES AT 16' TALL (OR 2 (TWO) 12' TALL PALMS PER 1 TREE))	50 TREES	50 TREES
MINIMUM 75% CANOPY TREES	38 TREES	38 TREES
MINIMUM 75% NATIVE TREES	38 TREES	57 TREES
PRESERVE AREA	REQUIRED	PROVIDED
25% OF QUALITY NATIVE HABITAT ON SITE	5,500	5,500
EXISTING TREES		
1 EXISTING OAK (3) OR PINE (35) = 39 TREES, 3 EXISTING SABALS (21) = 7 TREES		
TOTAL: 45 EX. TREES TO BE INCLUDED IN MEETING THE LANDSCAPE CODE REQUIREMENTS		

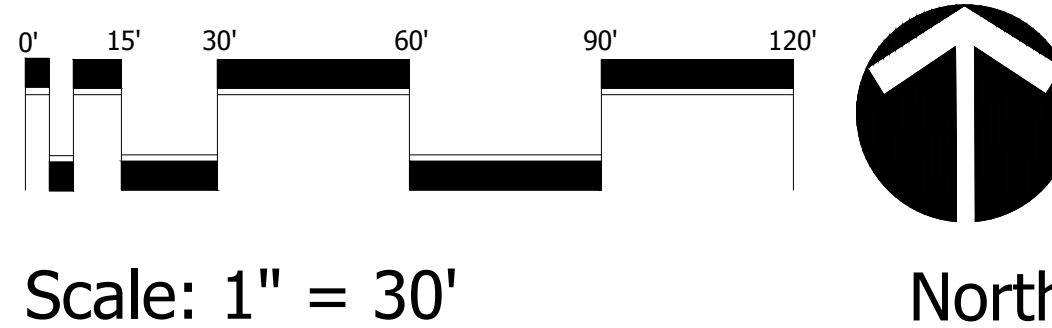
PLANT LEGEND



PROJECT TEAM

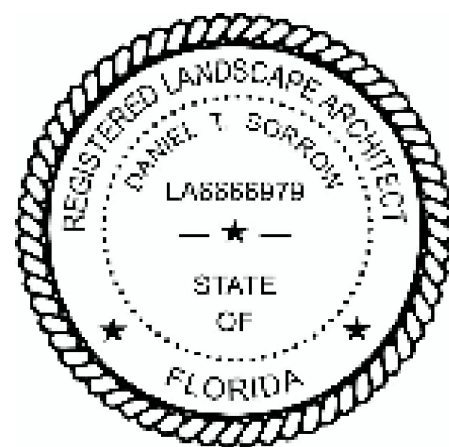
OWNER/CLIENT:	ENGINEER/ SURVEYOR:
CIRCLE K	BOWMAN CONSULTING GROUP
12911 TELECOM PKWY N	4450 W. EAU GALLEE BLVD
TEMPLE TERRACE, FL 33637	SUITE 232
813.910.6800	MELBOURNE, FL 32934
CONTACT: EDWARD GIUNTA	321.255.5434
LANDSCAPE ARCHITECT/PLANNER:	CONTACT: NIM ROBINSON
COTLEUR & HEARING, INC.	ARCHITECT:
1934 COMMERCE LANE, SUITE 1	MDM SERVICES INC.
JUPITER, FL 33458	1055 KATHLEEN RD
561.747.6336	LAKELAND, FL 33805
CONTACT: DANIEL SORROW	836.646.9130
ENVIRONMENTAL CONSULTANT:	CONTACT: PAUL DOSS
EW CONSULTANTS	TRAFFIC:
2081 SE OCEAN BLVD	SUSAN O'ROURKE PE INC.
STUART, FL 34996	969 SE FEDERAL HWY SUITE 402
772.287.8771	STUART, FL 34994
CONTACT: ARNAUD ROUX	772.781.7918
	CONTACT: SUSAN O'ROURKE

LANDSCAPE PLAN



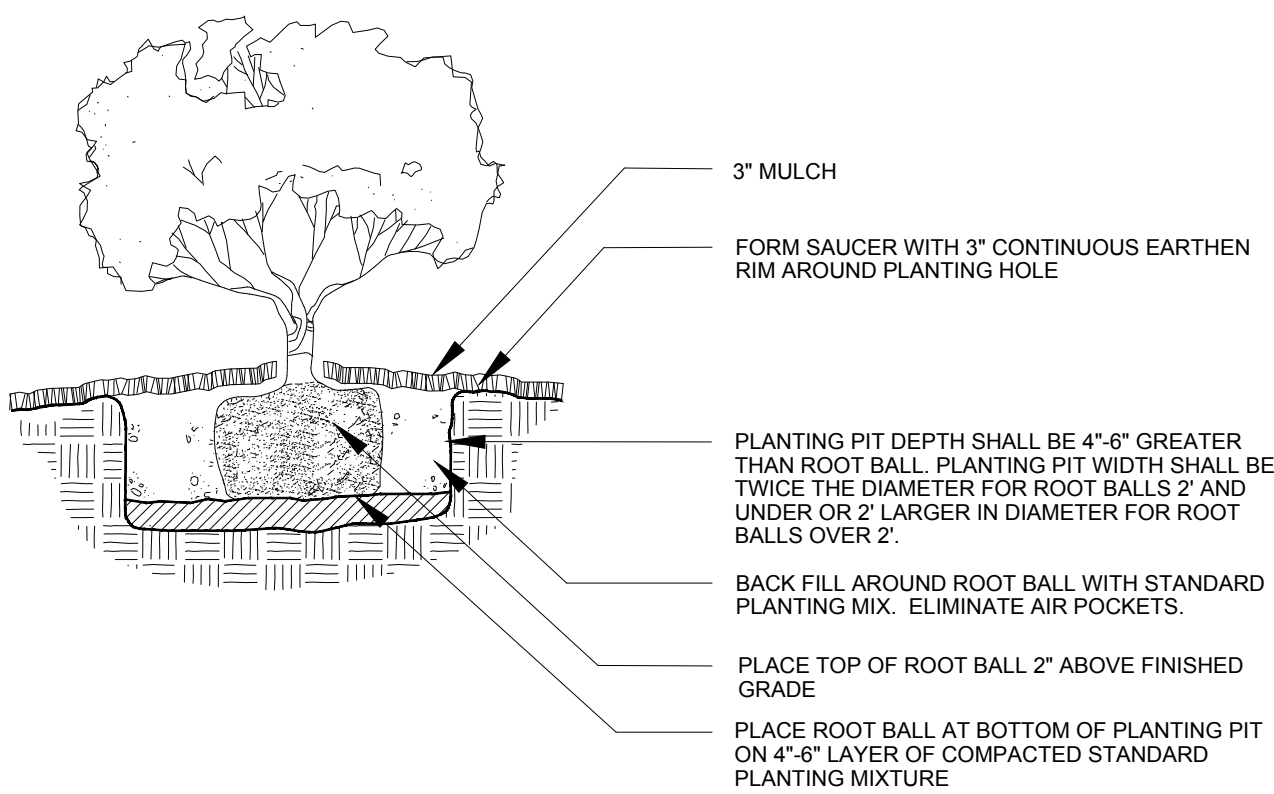
Cotleur & Hearing
Landscape Architects
Land Planners
Environmental Consultants
1934 Commerce Lane
Suite 1
Jupiter, Florida 33458
561.747.6336 · Fax 747.1377
www.cotleurhearing.com
Lic# LC-C000239

CIRCLE K #1885
Martin County, Florida



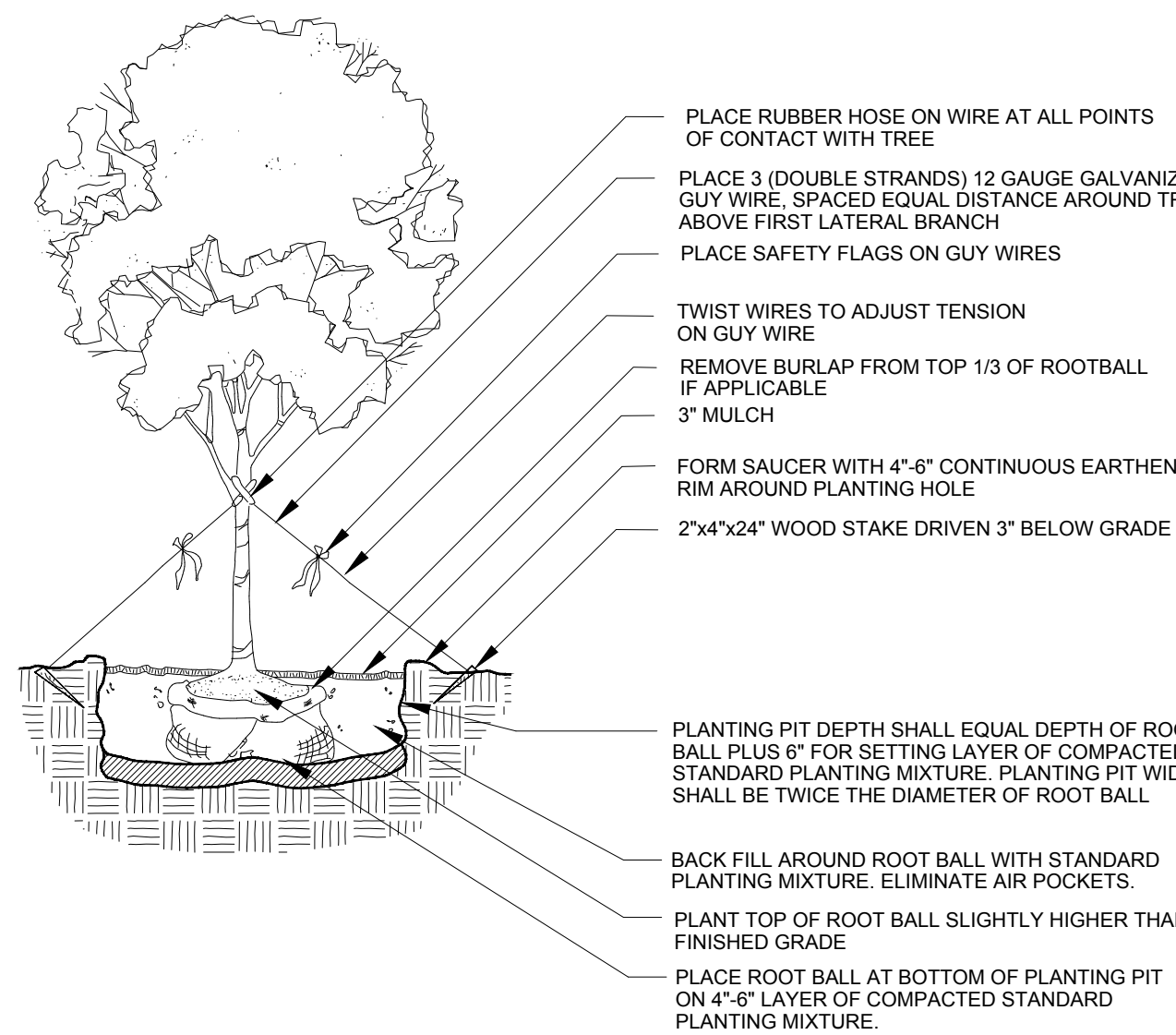
DESIGNED	LH
DRAWN	LH
APPROVED	DTS
JOB NUMBER	16-0804
DATE	09-15-17
REVISIONS	02-07-18
	06-20-18

PLANTING DETAILS



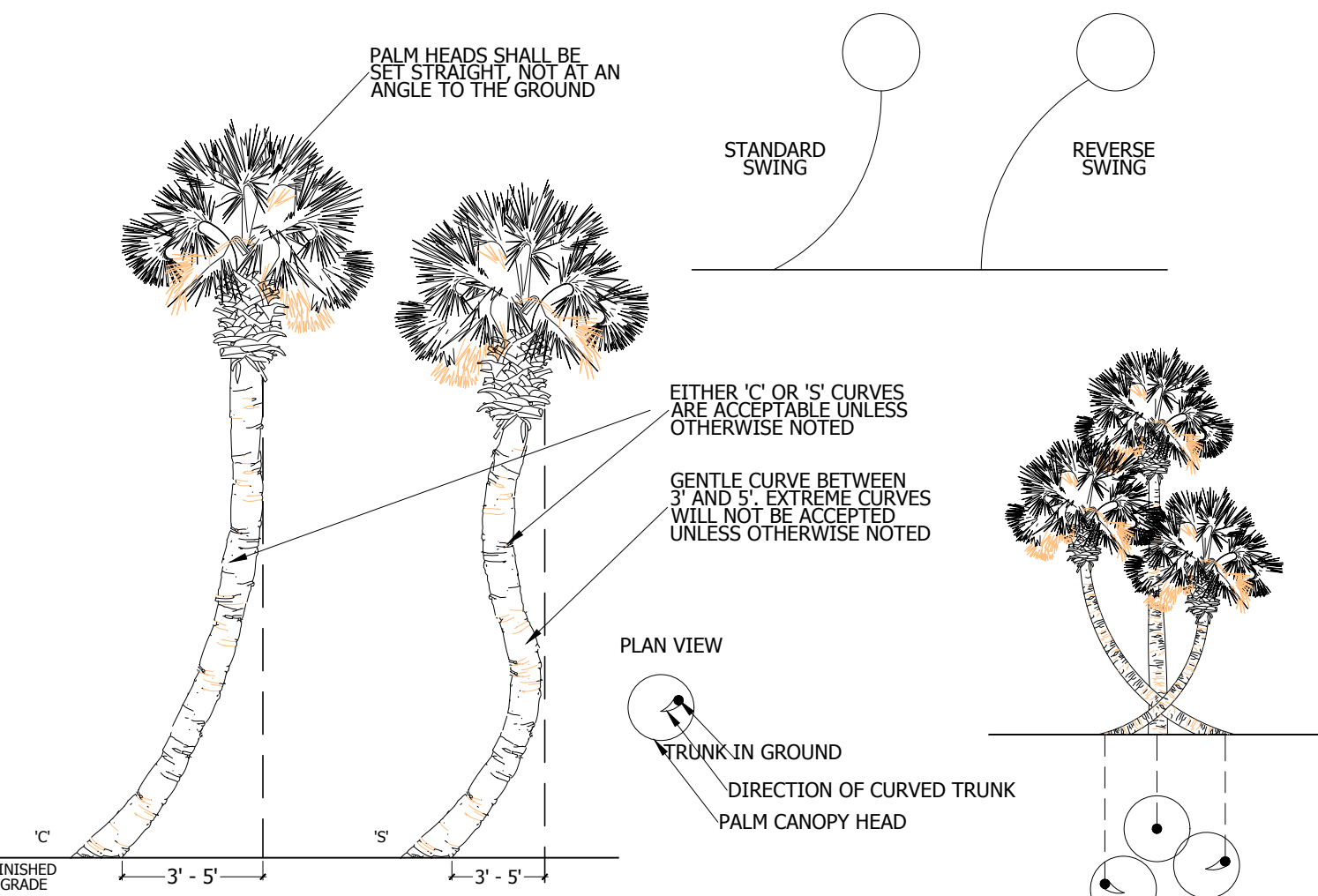
SHRUB/GROUNDCOVER PLANTING DETAIL

NTS



LARGE TREE PLANTING DETAIL

NTS



SABAL PALM CURVED TRUNK PLANTING DETAIL FOR RELOCATED

NTS

LANDSCAPE NOTES

ALL LANDSCAPING AND SITE IMPROVEMENTS UNDERTAKEN SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF MARTIN COUNTY'S DIVISION 15 LANDSCAPING, BUFFERING AND TREE PROTECTION CODE AND ANY OTHER APPLICABLE COUNTY REGULATIONS.

THE LANDSCAPE CONTRACTOR SHALL NOT MAKE ANY SUBSTITUTIONS OR CHANGES WITHOUT THE AUTHORIZATION OF THE OWNER AND THE LANDSCAPE ARCHITECT.

THE LANDSCAPE CONTRACTOR SHALL REVIEW THE PROJECT DRAINAGE PLANS AND VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION AND AVOID ALL CONFLICTS.

THE LANDSCAPE CONTRACTOR BE RESPONSIBLE FOR ALL PERMITS RELATING TO HIS/HER WORK.

ALL LANDSCAPE PLANTED IN THE RIGHT-OF-WAY AND ON PRIVATE PROPERTY SHALL BE LOCATED SO THAT NO CONFLICT OCCURS WITH VEHICULAR SIGHT DISTANCES AT INTERSECTIONS AND AT DESIGNATED PEDESTRIAN CROSSWALKS.

ALL LANDSCAPING SHALL BE LOCATED IN THE RIGHT-OF-WAY AND ON PRIVATE PROPERTY SO THAT NO CONFLICT OCCURS WITH DESIGNATED COUNTY DRAINAGE AND /OR UTILITY EASEMENTS, OVERHEAD AND UNDERGROUND UTILITY LINES AND OR UTILITY STRUCTURES. NO TREE ARE ALLOWED IN UTILITY EASEMENTS OR CLOSER THAN TEN FEET TO ANY CITY UTILITY LINES.

TREES AT ENTRANCEWAYS SHALL BE LIMBED UP TO MAXIMIZE SITE DISTANCE. CLEAR VISIBILITY SHALL BE MAINTAINED BETWEEN 24" AND 6'. TREES SHALL BE POSITIONED TO AVOID CONFLICTS WITH SITE LIGHTING.

PLANTING ISLANDS WITHIN AND ADJACENT TO PARKING AREAS SHALL BE FREE OF LIME ROCK AND OTHER FOREIGN MATERIALS TO A DEPTH OF 30". IF NECESSARY, RECYCLED PLANTING SOIL MIXTURE SHOULD BE USED TO REPLACE UNSUITABLE SOIL, WHICH IS EXCAVATED.

THE SURFACE OF ALL AREAS TO RECEIVE LANDSCAPING WILL BE FINELY GRADED AND SET SO DIPS AND DEPRESSIONS ARE REMOVED AND POSITIVE DRAINAGE IS ACHIEVED. THE FINISHED GRADE OF SOD AND MULCH AREAS SHALL BE SET SO THAT MULCH WASHOUTS DO NOT OCCUR AND THERE IS A SMOOTH TRANSITION FROM PAVED SURFACES TO ADJACENT LAWN AREAS.

ALL TREES, SHRUBS AND GROUNDCOVER BEDS ARE REQUIRED TO BE MULCHED WITH A 3" MIN. THICK LAYER OF MULCH. TREES LOCATED IN TURF AREAS ARE REQUIRED TO HAVE A 3" THICK MULCHED WATERING RING PROVIDED AROUND THE TRUNK. THE TREE RING IS REQUIRED TO BE A MINIMUM DIAMETER OF 3' AROUND SMALL TREES AND 5' AROUND LARGE TREES, TO FACILITATE MOWING. MULCH SHALL BE KEPT THREE FEET AWAY FROM THE TRUNK.

ALL TREE STAKING MATERIALS SHALL BE LOCATED WITHIN MULCH BEDS AND OR RINGS.

ALL AREAS SHALL BE FULLY IRRIGATED IN ACCORDANCE WITH THE REQUIREMENTS OF MARTIN COUNTY. IRRIGATION SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER AND LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO CONSTRUCTION. THE IRRIGATION SYSTEM SHALL BE DESIGNED TO PROVIDE 100% OVERLAP COVERAGE TO ALL LANDSCAPE AND SOD AREAS.

THE IRRIGATION WATER SOURCE SHALL BE A WELL. THE IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN SENSOR/CUT OFF SWITCH IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.

ALL ABOVE GROUND UTILITIES I.E. TRANSFORMERS, SWITCH BOXES, AIR CONDITIONER CONDENSERS, SHALL BE FULLY SCREENED FROM VIEW ON THREE SIDES WITH LANDSCAPING WHICH MUST EXTEND ONE FOOT HIGHER THAN THE TALLEST POINT OF SAID EQUIPMENT AT TIME OF PLANTING.

NO LANDSCAPING SHALL BE LOCATED WITHIN 10' OF A COUNTY LINE OR APPURTENANCE. ALL OTHER UTILITIES SHALL BE A MINIMUM OF 5' HORIZONTAL SEPARATION FROM COUNTY UTILITY MAINS FOR PARALLEL INSTALLATIONS AND A MINIMUM OF 18" BELOW COUNTY UTILITY MAINS. (ALL MEASUREMENTS ARE TAKEN FROM OUTSIDE TO OUTSIDE)

NO LANDSCAPING SHALL BE PLACED IN A MANNER THAT WOULD CREATE CONFLICTS WITH THE INTENDED OPERATION AND MAINTENANCE OF ANY EXISTING UTILITY.

ST. AUGUSTINE SOD WILL BE UTILIZED FOR ALL TURF AREAS, EXCEPT AS NOTED. BAHIA SOD WILL BE UTILIZED IN DRY RETENTION AREAS AND IN AREAS OF EXISTING TREES TO REMAIN.

TREES OF SPECIES WHOSE ROOTS ARE KNOWN TO CAUSE DAMAGE TO PUBLIC ROADWAYS, UTILITIES, OR OTHER PUBLIC WORKS SHALL NOT BE PLANTED CLOSER THAN TEN FEET TO THOSE PUBLIC WORKS. UNLESS THE TREE ROOT SYSTEM IS COMPLETELY CONTAINED WITHIN A BARRIER FOR WHICH THE MINIMUM DIMENSIONS SHALL BE FIVE (5) FEET SQUARE AND FIVE (5) FEET DEEP AND FOR WHICH THE BARRIER SHALL BE FOUR INCH THICK CONCRETE REINFORCED WITH NUMBER 6 WELDED WIRE FABRIC (6 X 6 X 5) OR EQUIVALENT. PALM TREES SHALL BE LOCATED NO CLOSER THAN TWO (2) FEET TO AN UNDERGROUND PUBLIC UTILITY PIPE, ROADWAY, OR OTHER PUBLIC WORKS. REPAIR OF DAMAGE TO A PUBLIC UTILITY OR OTHER PUBLIC WORKS CAUSED BY TREES, OTHER THAN PALM TREES, LOCATED CLOSER THAN TEN (10) FEET SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE SUBJECT PROPERTY.

ALL PROHIBITED SPECIES SHALL BE REMOVED FROM THE ENTIRE SITE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.

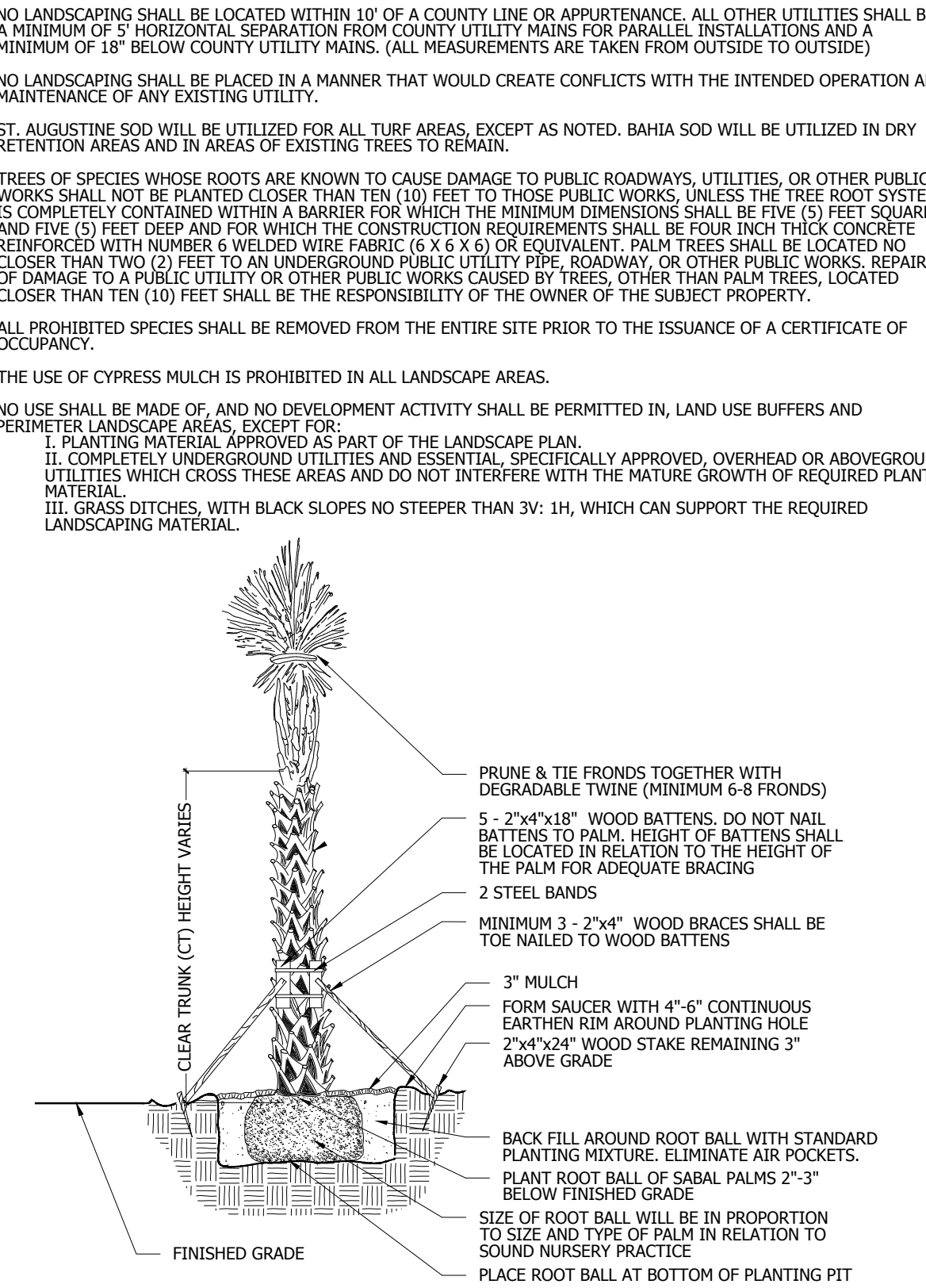
THE USE OF CYPRESS MULCH IS PROHIBITED IN ALL LANDSCAPE AREAS.

NO USE SHALL BE MADE OF, AND NO DEVELOPMENT ACTIVITY SHALL BE PERMITTED IN, LAND USE BUFFERS AND PERIMETER LANDSCAPE AREAS, EXCEPT FOR:

I. PLANTING MATERIAL APPROVED AS PART OF THE LANDSCAPE PLAN.

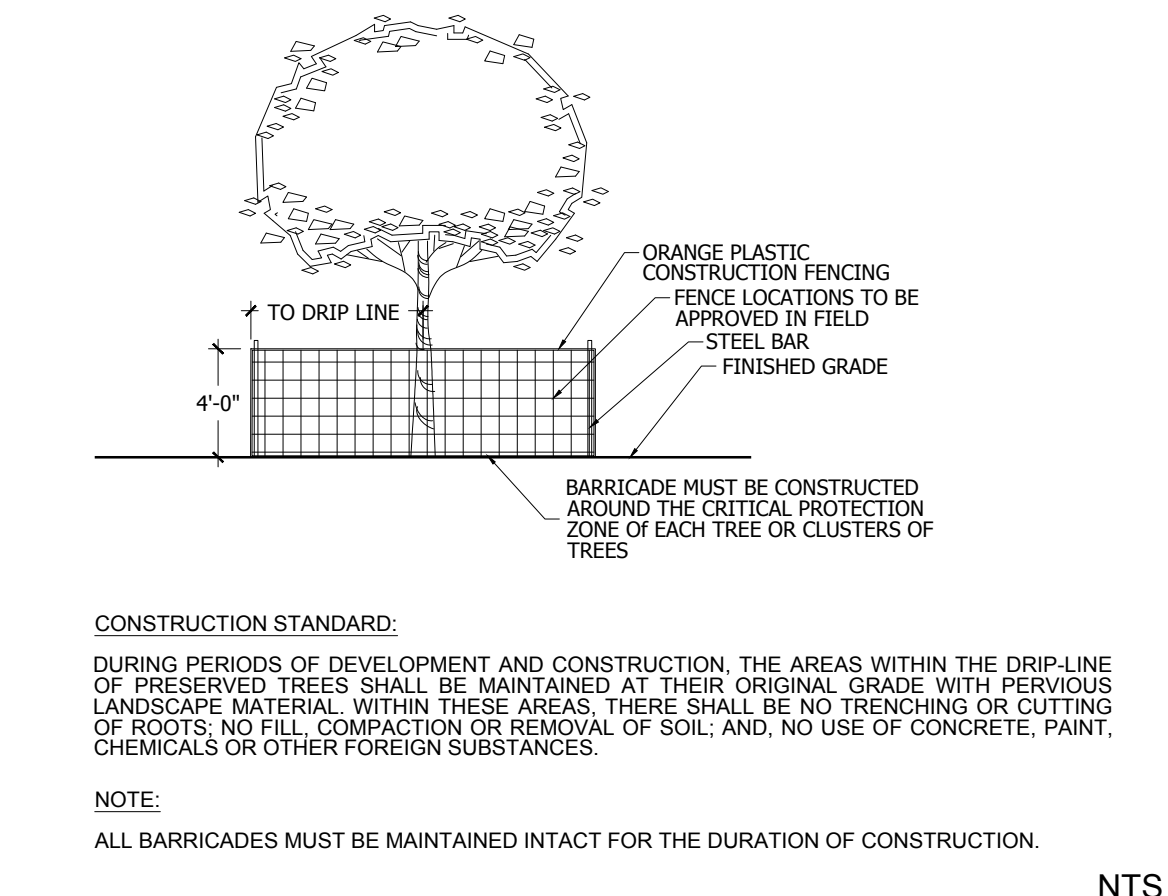
II. COMPLETELY UNDERGROUND UTILITIES AND ESSENTIAL SPECIFICALLY APPROVED, OVERHEAD OR ABOVEGROUND UTILITIES WHICH CROSS THESE AREAS AND DO NOT INTERFERE WITH THE MATURE GROWTH OF REQUIRED PLANT MATERIAL.

III. GRASS DITCHES, WITH BLACK SLOPES NO STEEPER THAN 3V: 1H, WHICH CAN SUPPORT THE REQUIRED LANDSCAPING MATERIAL.



PALM PLANTING DETAIL

NTS



NTS

TREE PROTECTION DETAIL

LANDSCAPE SPECIFICATIONS

1. GENERAL LANDSCAPE REQUIREMENTS

LANDSCAPE CONTRACT WORK INCLUDES, BUT IS NOT LIMITED TO, SOIL PREPARATION, FINE OR FINISH GRADING, FURNISHING AND INSTALLING PLANT MATERIAL, WATERING, STAKING, CUTTING AND MULCHING.

PLANT SIZE AND QUALITY

TREES, PALMS, SHRUBS, GROUNDCOVERS:

PLANT SPECIES AND SIZES SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARD PLANT NAMES, 1942 EDITION, REEVE PUBLICATION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS PARTS 1 & 11, LATEST EDITION PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, UNLESS SPECIFIED OTHERWISE. ALL PLANTS SHALL BE FLORIDA GRADE NUMBER 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY.

ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS AND ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS OF GOOD QUALITY AND BE IN A HEALTHY GROWING CONDITION.

AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.

STANDARD PLANTING MIXTURE SHALL BE ONE (1) PART RECYCLED ORGANIC MATERIAL ADDED TO THREE (3) PARTS EXISTING NATIVE SOIL.

REPLACEMENT SOIL SHALL BE USED AS SPECIFIED TO REPLACE EXISTING SOILS THAT ARE DETERMINED BY THE LANDSCAPE ARCHITECT TO BE UNSUITABLE FOR PLANTING, I.E. ROAD SLOPE, PAVEMENT, ETC. REPLACEMENT SOIL MIX SHALL CONTAIN 60% SAND AND 40% MUCK. SAND SHALL BE 100% CLEAN NATIVE SAND SCREENED TO 1/4" AND MUCK SHALL BE 100% CLEAN ORGANIC NATIVE MUCK SCREENED TO 1/2". ALL SOIL SHALL BE MIXED PRIOR TO DELIVERY ON SITE.

MULCH SHALL BE SHREDED MELALEUCA, EUCALYPTUS OR GRADE "A" RECYCLED. ALL MULCH IS TO BE APPLIED TO A DEPTH OF 3", EXCEPT AS OTHERWISE NOTED.

FERTILIZER IN BACKFILL MIXTURE FOR ALL PLANTS SHALL CONSIST OF MILORGANIC ACTIVATED SLUDGE MIXED WITH THE BACKFILL AT A RATE OF NOT LESS THAN 50 LBS. PER CUBIC YARD.

FERTILIZER FOR TREES AND SHRUBS MAY BE TABLET FORM OR GRANULAR. GRANULAR FERTILIZER SHALL BE UNIFORM IN COMPOSITION, DRY AND FREE-FLOWING. THIS FERTILIZER SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED BAGS, EACH BEARING THE MANUFACTURER'S STATEMENT OF ANALYSIS AND SHALL MEET THE FOLLOWING REQUIREMENTS: 16% NITROGEN, 7% PHOSPHORUS, 12% POTASSIUM, PLUS IRON. TABLET FERTILIZER (AGRIFORM OR EQUAL) IN 21 GRAM SIZE SHALL MEET THE FOLLOWING REQUIREMENTS: 20% NITROGEN, 10% PHOSPHORUS AND 5% POTASSIUM.

FERTILIZER WILL BE APPLIED AT THE FOLLOWING RATES:

PLANT SIZE	16-7-12	AGRIFORM TABLETS (21 GRAM)
1 GAL.	1/4 LB.	1
3 GAL.	3/8 LB.	3
7-15 GAL.	1 1/2 LB.	6
16-31" CALIPER	2 1/2" CALIPER	2 PER 1" CALIPER
6" AND LARGER	3 LBS./1" CALIPER	2 PER 1" CALIPER

"FLORIDA EAST COAST PALM SPECIAL" SHALL BE APPLIED TO ALL PALMS AT INSTALLATION AT A RATE OF 1/2 LB. PER INCH OF TRUNK UNLESS OTHERWISE SPECIFIED.

FIELD GROWN TREES AND PALMS PREVIOUSLY ROOT PRUNED SHALL OBTAIN A ROOT BALL WITH SUFFICIENT ROOTS FOR CONTINUED GROWTH WITHOUT RESULTING THIN SKIN.

CONTRACTOR SHALL NOT MARK OR SCAR TRUNK IN ANY FASHION.

PLANTS SHALL BE WATERED AS NECESSARY OR WITHIN 24 HOURS AFTER NOTIFICATION BY THE LANDSCAPE ARCHITECT.

THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMMODATE UNFORESEEN FIELD CONDITIONS. MAJOR ADJUSTMENTS TO THE LAYOUT ARE TO BE APPROVED BY THE LANDSCAPE ARCHITECT.

ALL PLASTIC FABRIC SHALL BE REMOVED FROM PLANT MATERIAL AT TIME OF INSTALLATION.

ALL TREES MUST BE STAKED AS SHOWN ON THE PLANTING DETAILS WITHIN 24 HOURS OF PLANTING. STAKES TO REMAIN FOR A MINIMUM OF 3 MONTHS, BUT NO LONGER THAN 18 MONTHS. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF THE STAKES.

ALL TREES MUST BE PRUNED AS PER LANDSCAPE ARCHITECT'S DIRECTION. SABAL PALMS MAY BE HURRICANE CUT.

ALL SHRUBS, TREES AND GROUND COVER WILL HAVE IMPROVED SOIL AS PER PLANTING SOIL NOTES. THE SOILS SHALL BE PLACED IN THE HOLE DURING PLANTING. TOP DRESSINGS ONLY IS NOT ACCEPTABLE.

DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. ALL TREES SHALL BE SPIKED IN UTILIZING WATER AND A TREE BAR.

THE LANDSCAPE CONTRACTOR SHALL WATER, MULCH, WEED, PRUNE, AND OTHERWISE MAINTAIN ALL PLANTS, INCLUDING SOD, UNLESS OTHERWISE PROVIDED OR BY ACCEPTANCE BY LANDSCAPE ARCHITECT. SETTLED PLANTS SHALL BE RESET TO PROPER GRADE, PLANTING SAUCERS RESTORED, AND DEFECTIVE WORK CORRECTED.

THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIALS OR DEBRIS OF HIS CREWS DURING THE PERFORMANCE OF THE WORK. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PROMPTLY REMOVE ALL WASTE MATERIALS, DEBRIS, UNUSED PLANT MATERIAL, EMPTY PLANT CONTAINERS AND EQUIPMENT FROM THE PROJECT SITE.

UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND REQUEST A FINAL INSPECTION. ANY ITEMS THAT ARE JUDGED INCOMPLETE OR UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE SHALL BE CORRECTED BY THE LANDSCAPE CONTRACTOR WITHIN 14 DAYS.

ALL LABOR AND MATERIAL FOR SOIL AMENDMENTS AND FERTILIZER THAT IS REQUIRED TO INSURE THE SUCCESSFUL ESTABLISHMENT AND SURVIVAL OF THE PROPOSED VEGETATION, AS WELL AS ALL THE COST FOR THE REMOVAL OF UNSUITABLE OR EXCESS BACKFILL MATERIAL, SHALL BE INCLUDED IN THE CONTRACTOR'S BID TO PERFORM THE WORK REPRESENTED IN THIS PLAN SET.

ENCROACHMENT INTO THE REQUIRED BUFFERYARDS AND LANDSCAPED AREAS BY VEHICLES, BOATS, MOBILE HOMES OR TRAILERS SHALL BE PROHIBITED. ANY VIOLATION OF THIS PROHIBITION WILL BE USED FOR THE STORAGE OR SALE OF MATERIALS OR PRODUCTS OR THE PARKING OF VEHICLES AND EQUIPMENT.

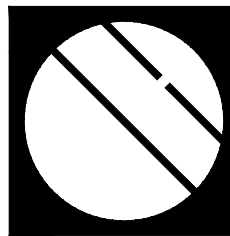
REQUIRED LANDSCAPING SHALL BE MAINTAINED SO AS TO AT ALL TIMES PRESENT A HEALTHY, NEAT AND ORDERLY APPEARANCE, FREE OF REFUSE AND DEBRIS. IF VEGETATION WHICH IS REQUIRED TO BE PLANTED DIES IT SHALL BE REPLACED WITH EQUIVALENT VEGETATION. ALL TREES FOR WHICH CREDIT WAS AWARDED AND WHICH SUBSEQUENTLY DIE, SHALL BE REPLACED BY THE REQUESTED NUMBER OF LIVING TREES ACCORDING TO THE STANDARDS ESTABLISHED IN THE MARTIN COUNTY LANDSCAPE CODE.

ALL LANDSCAPING SHALL BE MAINTAINED FREE FROM DISEASE, PESTS, WEEDS AND LITTER. MAINTENANCE SHALL INCLUDE WEEDING, WATERING, FERTILIZING, PRUNING, MOWING, EDGING, MULCHING OR OTHER MAINTENANCE, AS NEEDED AND IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. PERPETUAL MAINTENANCE SHALL BE PROVIDED TO PROHIBIT THE REESTABLISHMENT OF HARMFUL EXOTIC SPECIES WITHIN LANDSCAPING AND PRESERVATION AREAS.

PLANTING LIST

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL	SIZE	NATIVE	REMARKS
FB	1	BISMARCKIA NOBILIS 'SILVER SELECT' ~	SILVER BISMARCK PALM	FIELD GROWN	NA	3'-4' CT	N	FULL CANOPY, SUN GROWN, FLORIDA FANCY
CN2	27	COCOS NUCIFERA	COCONUT PALM	FIELD GROWN	NA	10', 15', 20' CT, STGG	N	STAGGERING GRAYWOOD HEIGHTS, FULL & THICK
CE	38	CONOCARPUS ERECTUS	GREEN BUTTONTWOOD	65 GAL	3" CAL	16" HT, 5'-6" SPRD	Y	SEE PLAN FOR SIZING
JB	39	JUNIPERUS VIRGINIANA 'BRODIE'	BRODIE COLUMNAR CEDAR	65 GAL	4" CAL	18" HT, 6'-7" SPRD	Y	FLORIDA FANCY, STANDARD, FULL
LJ	41	LIGULSTRUM JAPONICUM	JAPANESE PRIVET	45 GAL	MULTI TRUNK	4'-6" HT, 6' SPRD	Y	FULL CANOPY, MULTI-STEM, LPMB UP.
QV	55	QUERCUS VIRGINIANA	LIVE OAK	65 GAL	6" CAL	16" HT, 5'-6" SPRD	Y	FULL CANOPY, FLORIDA FANCY
R	8	ROYSTONIA ELATA	FLORIDA ROYAL PALM	FIELD GROWN	NA	14' GW	Y	FULL, STRAIGHT TRUNK, MATCHED
SSC	11	SABAL PALMETTO	CURVED CABBAGE PALM	FIELD GROWN	NA	12' OA	Y	BOOTED, STAGGERED HEIGHTS, SLICK TRUNK
TD2	22	TAXODIUM DISTICHUM	BALD CYPRESS	15 GAL	1.5" CAL	6'-7' OA	Y	FULL & THICK
TD*	7	TAXODIUM DISTICHUM	BALD CYPRESS	B & B	2.5" CAL	16' OA	Y	FULL
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACE	NATIVE	REMARKS
AG	5	AGAVE AMERICANA 'GAINESVILLE BLUE'	BLUE AGAVE	15 GAL	2.5" X 2.5"	AS	N	FULL, SPECIMEN
CS	237	CHRYSOBALANUS ICACO 'RED TIP'	RED TIP COCOPLUM	7 GAL	4" X 2.5"	2' OC	Y	FULL & THICK, FLORIDA FANCY
CS	164	CLUSIA GUTTIFERA	SMALL LEAF CLUSIA	15 GAL	4" X 4.5"	4' OC	N	FULL & THICK
CS	15	CONOCARPUS ERECTUS SERICEUS	SILVER BUTTONTWOOD	7 GAL	4'-4.5" HT, X 2'-3" SPRD.	2' OC	Y	FULL & THICK, FLORIDA FANCY
CJ	38	CRINUM AGUSTUM 'QUEEN EMMA'	QUEEN EMMA LILY, STANDARD	7 GAL	3'-4" HT, 3.5" MIN. SPRD.	AS	Y	FULL & THICK, SINGLE STALK, FLORIDA FANCY
TC	10	TRACHELOSPERMUM JASMINOIDES 'CONFEDERATE'	CONFEDERATE JASMINE	15 GAL	4" TRELLIS	AS	N	FULL & THICK, REMOVE TRELLIS, MIN. 12-15 RUNNERS PER POT
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	SIZE	SPACE	NATIVE	REMARKS
AL2	117	ACROSTICHUM LAUREUM	GOLDEN LEATHER FERN	3 GAL	3" X 3"	3' OC	Y	FULL & THICK
CF	409	CANNA FLACCIDIA	YELLOW CANNA	3 GAL	2' X 2'	2' OC	Y	FULL & THICK
CD	944	CHRYSOBALANUS ICACO 'GREEN TIP'	COCOPLUM	3 GAL	2' X 2'	2' OC	Y	FULL & THICK
CJ	86	CHRYSOBALANUS ICACO 'RED TIP'	SILVER BUTTONTWOOD	3 GAL	2' X 2'	2' OC	Y	FULL & THICK
CS4	11	CLUSIA GUTTIFERA	SMALL LEAF CLUSIA	15 GAL	4'-5" OA X 4'	4' OC	N	FULL & THICK
CC	356	COCCOLoba UVIFERA	SEA GRAPE	7 GAL	4' X 2'	2' OC	Y	FULL & THICK
CV	647	CODIACEUM VARIEGATUM	PROTIA	3 GAL	2' X 2'	2' OC	Y	FULL & THICK
FG	827	FIGUS MACROPHYLLA 'GREEN ISLAND'	GREEN ISLAND FIGUS	3 GAL	1.5" X 1.5"	2' OC	N	FULL & THICK, FLORIDA FANCY
HN	546	HAMELIA PATENS 'NANA'	DWARF FIREBUSH	7 GAL	3' X 2'	2' OC	Y	FULL & THICK
IVS	238	ILEX VOMITORIA 'HALL'S DWARF'	DWARF YAWPON HOLLY	7 GAL	1' X 1.1"	2' OC	Y	FULL & THICK
IV	150	IRIS VIRGINICA	BLEU FLAG IRIS	3 GAL	3' X 3"	3' OC	Y	FULL & THICK
IX	147	IDORA 'NORA GRANT'	PINK IXORA	3 GAL	2' X 2'	2' OC	N	FULL & THICK
SC	359	SCHEFELERA ARBORICOLA 'CAPELLA'	DWARF SCHEFELERA CAPELLA	3 GAL	2' X 2'	2' OC	Y	FULL & THICK
SS2	768	SERENOA REPENS SILVER	SAW PALMETTO	3 GAL	2' X 2'	2' OC	Y	FULL & THICK
SB	620	SPARTINA BAKERI	SAND CORD GRASS	3 GAL	24" X 24"	2' OC	Y	FULL & THICK
TFK	561	TRIPSACUM FLORIDANA	DWARF FANFATHATCHEE GRASS	3 GAL	2' X 2"	2' OC	Y	FULL & THICK
ZF	328	ZAMIA PUMILA	COONTIE	3 GAL	1.5" X 1.5"	2' OC	Y	FULL & THICK, NO SCALE

LANDSCAPE DETAILS



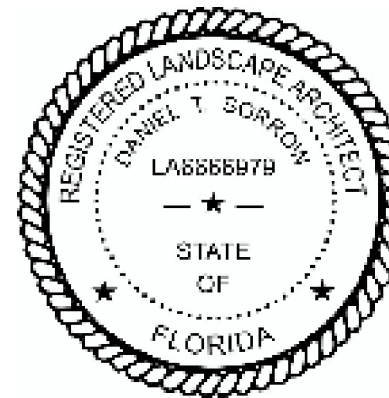
Cotleur & Hearing

Landscape Architects
Land Planners
Environmental Consultants

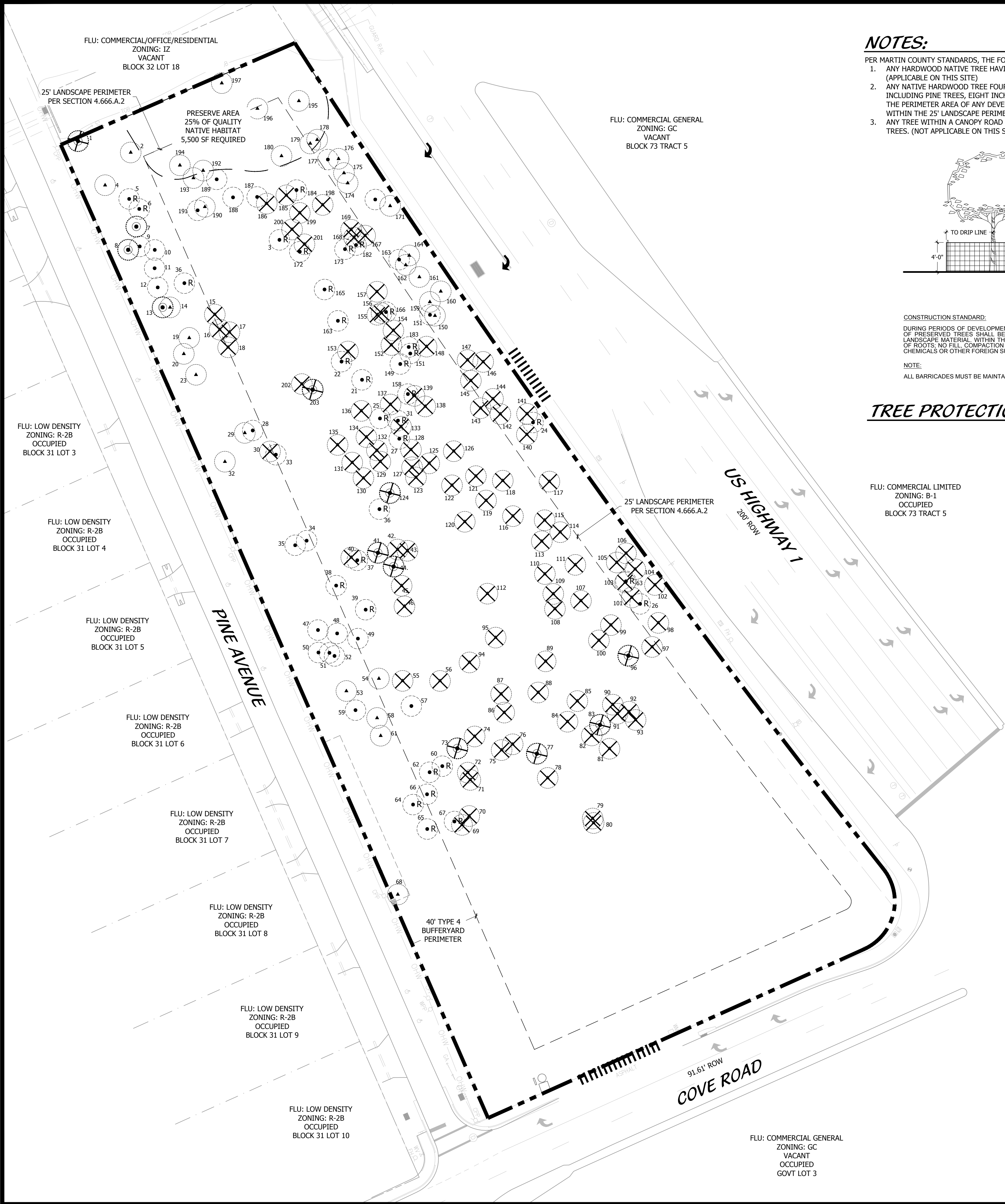
1934 Commerce Lane
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www.cotleurhearing.com
Lic# LC-C000239

CIRCLE K #1885

Martin County, Florida

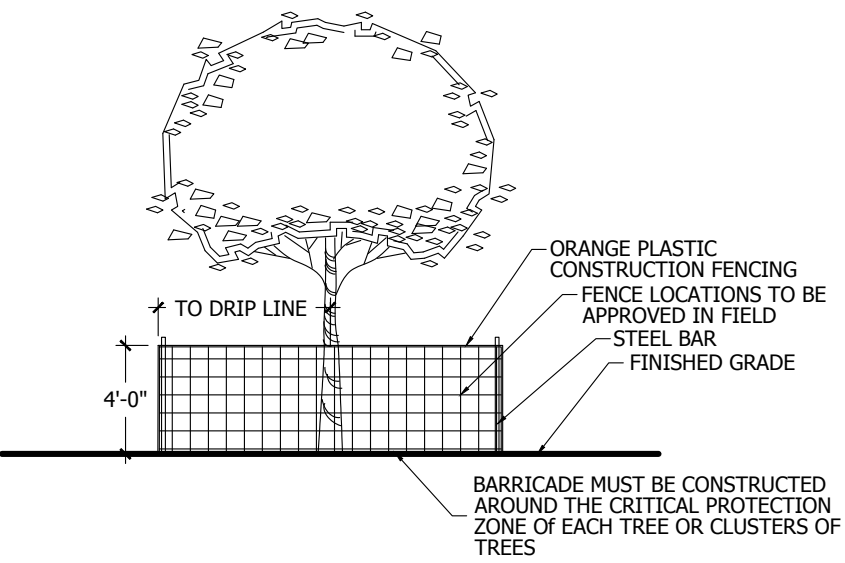


DESIGNED LH
DRAWN LH
APPROVED DTS
JOB NUMBER 16-0804
DATE 09-15-17
REVISIONS 02-07-18
06-20-18



NOTES:

- PER MARTIN COUNTY STANDARDS, THE FOLLOWING NATIVE TREES ARE PROTECTED:
1. ANY HARDWOOD NATIVE TREE HAVING A DIAMETER OF EIGHT DBH OR GREATER. (APPLICABLE ON THIS SITE)
 2. ANY NATIVE HARDWOOD TREE FOUR INCH DBH OR ANY NATIVE SOFTWOOD, INCLUDING PINE TREES, EIGHT INCH DBH OR GREATER WHICH IS LOCATED IN THE PERIMETER AREA OF ANY DEVELOPMENT SITE. (APPLICABLE ON THIS SITE WITHIN THE 25' LANDSCAPE PERIMETER BUFFER AND 40' TYPE 4 BUFFERYARD)
 3. ANY TREE WITHIN A CANOPY ROAD TREE PROTECTION ZONE, EXCEPT PROHIBITED TREES. (NOT APPLICABLE ON THIS SITE)



CONSTRUCTION STANDARD:
DURING PERIODS OF DEVELOPMENT AND CONSTRUCTION, THE AREAS WITHIN THE DRIP-LINE OF PRESERVED TREES SHALL BE MAINTAINED AT THEIR ORIGINAL GRADE WITH PERVIOUS LANDSCAPE MATERIAL WITHIN THESE AREAS. THERE SHALL BE NO TRENCHING OR CUTTING OF ROOTS, NO FILL, COMPACTION OR REMOVAL OF SOIL, AND, NO USE OF CONCRETE, PAINT, CHEMICALS OR OTHER FOREIGN SUBSTANCES.

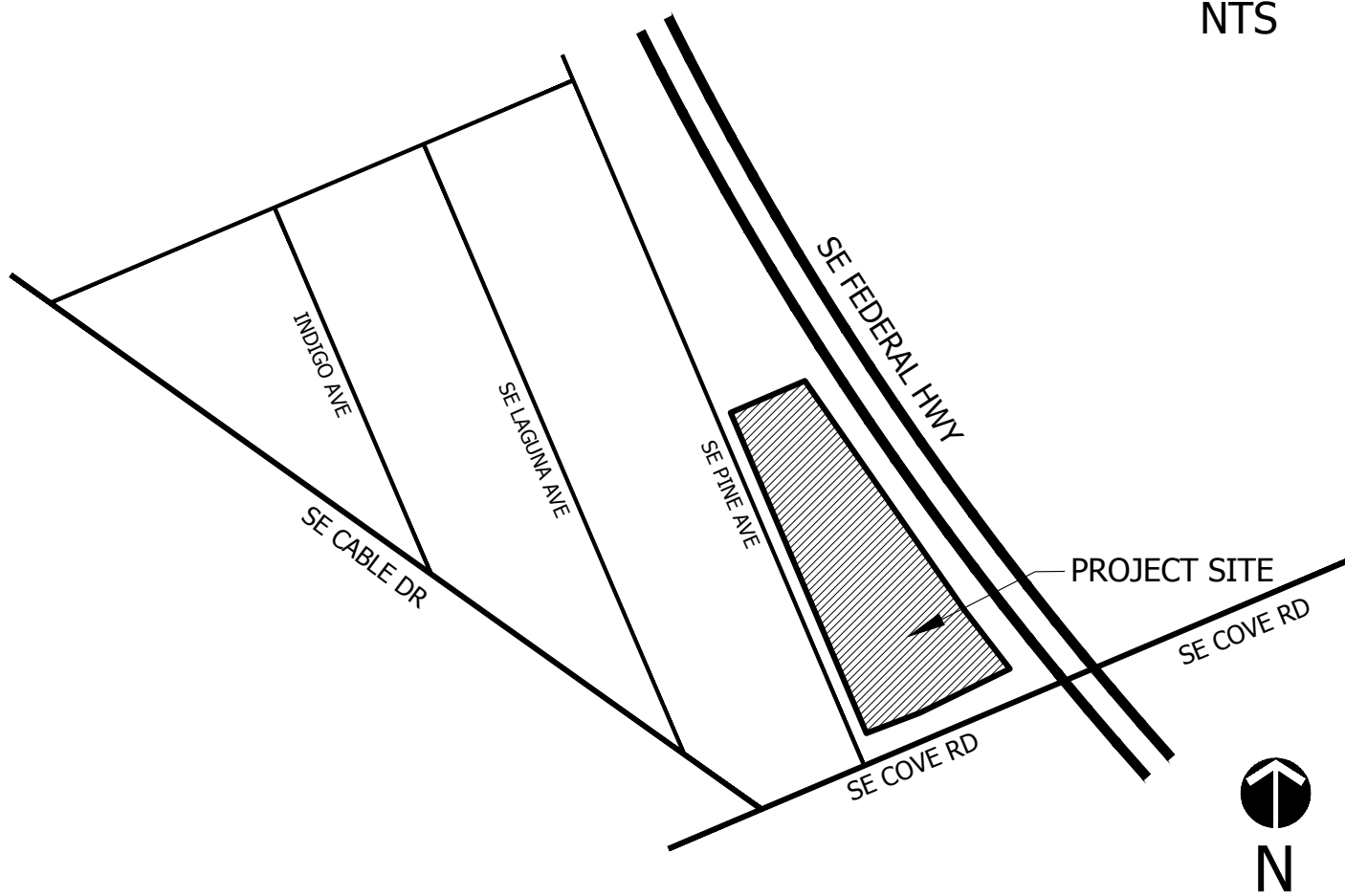
NOTE:
ALL BARRICADES MUST BE MAINTAINED INTACT FOR THE DURATION OF CONSTRUCTION.

TREE PROTECTION DETAIL

NTS

FLU: COMMERCIAL LIMITED
ZONING: B-1
OCCUPIED
BLOCK 73 TRACT 5

LOCATION MAP



LEGEND

- EXISTING OAKS TO REMAIN
- EXISTING PINES TO REMAIN
- EXISTING CABBAGE PALMS TO REMAIN
- OAKS TO BE REMOVED
- PINES TO BE REMOVED
- CABBAGE PALMS TO BE RELOCATED

NOTE:
ALL SABAL PALMS TO BE RELOCATED, SEE LANDSCAPE PLANS FOR PROPOSED TRANSPLANT LOCATION.
TREES TO REMAIN WILL BE PROTECTED AND BARRICADED IN PLACE. REFER TO SHEET THREE FOR TREES TO BE REMOVED REQUIRING MITIGATION. NOT ALL TREES SHOWN ON THIS INVENTORY TO BE REMOVED REQUIRE MITIGATION.
ALL TREES ARE SHOWN FOR CONSTRUCTION AND PRESERVATION PURPOSES.

PROJECT TEAM

OWNER/CLIENT:
CIRCLE K
12911 TELECOM PKWY N
TEMPLE TERRACE, FL 33637
813.910.6800
CONTACT: ED GIUNTA

LANDSCAPE ARCHITECT/PLANNER:
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1934 COMMERCE LANE, SUITE 1
JUPITER, FL 33458
561.747.6336
CONTACT: DANIEL SORROW

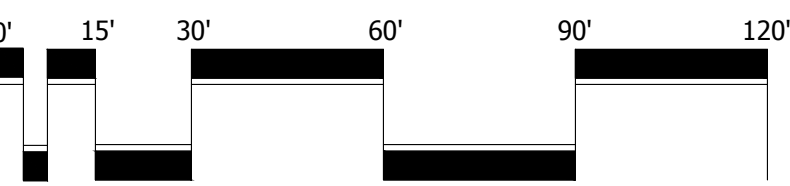
ENVIRONMENTAL CONSULTANT:
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STUART, FL 34996
772.287.8771
CONTACT: ARNAUD ROUX

ENGINEER/ SURVEYOR:
BOWMAN CONSULTING GROUP
4450 W. EAU GALIE BLVD
SUITE 232
MELBOURNE, FL 32934
321.255.5434
CONTACT: NIM ROBINSON

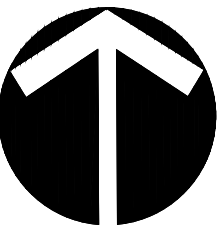
ARCHITECT:
MDM SERVICES INC.
1055 KATHLEEN RD
LAKELAND, FL 33805
836.646.9130
CONTACT: PAUL DOSS

TRAFFIC:
SUSAN O'ROURKE PE INC.
969 SE FEDERAL HWY SUITE 402
STUART, FL 34994
772.781.7918
CONTACT: SUSAN O'ROURKE

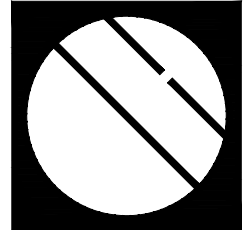
TREE MITIGATION PLAN



Scale: 1" = 30'



North

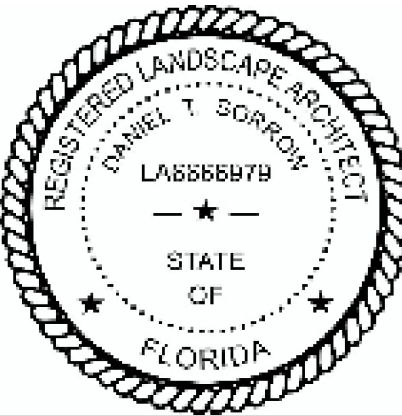


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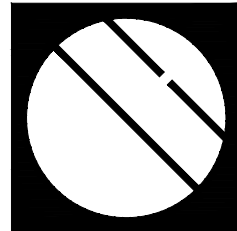
DESIGNED	DTS
DRAWN	LH
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	06-20-18

TREE INVENTORY

Tree #	Tree Species		DBH/Height	Proposed Disposition	Mitigate
	Common Name	Botanical Name			
1	LIVE OAK	QUERCUS VIRGINIANA	8"	REMOVE	YES
2	SLASH PINE	PINUS ELLIOTTII	12"	PRESERVE	NA
3	SABAL PALM	SABAL PALMETTO	9"	RELOCATE ON SITE	NA
4	SLASH PINE	PINUS ELLIOTTII	9"	PRESERVE	NA
5	SABAL PALM	SABAL PALMETTO	10"	RELOCATE ON SITE	NA
6	SABAL PALM	SABAL PALMETTO	15"	RELOCATE ON SITE	NA
7	LIVE OAK	QUERCUS VIRGINIANA	11"	PRESERVE	NA
8	LIVE OAK	QUERCUS VIRGINIANA	10"	PRESERVE	NA
9	SABAL PALM	SABAL PALMETTO	9"	PRESERVE	NA
10	SABAL PALM	SABAL PALMETTO	10"	PRESERVE	NA
11	SABAL PALM	SABAL PALMETTO	12"	PRESERVE	NA
12	SABAL PALM	SABAL PALMETTO	12"	PRESERVE	NA
13	LIVE OAK	QUERCUS VIRGINIANA	7"	PRESERVE	NA
14	SLASH PINE	PINUS ELLIOTTII	12"	PRESERVE	NA
15	SLASH PINE	PINUS ELLIOTTII	11"	REMOVE	YES
16	SLASH PINE	PINUS ELLIOTTII	6"	REMOVE	NO
17	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES
18	SLASH PINE	PINUS ELLIOTTII	11"	REMOVE	YES
19	SLASH PINE	PINUS ELLIOTTII	10"	PRESERVE	NA
20	SLASH PINE	PINUS ELLIOTTII	11"	PRESERVE	NA
21	SABAL PALM	SABAL PALMETTO	10"	RELOCATE ON SITE	NA
22	SABAL PALM	SABAL PALMETTO	12"	RELOCATE ON SITE	NA
23	SLASH PINE	PINUS ELLIOTTII	12"	PRESERVE	NA
24	SABAL PALM	SABAL PALMETTO	10"	RELOCATE ON SITE	NA
25	SABAL PALM	SABAL PALMETTO	7"	RELOCATE ON SITE	NA
26	SABAL PALM	SABAL PALMETTO	10"	RELOCATE ON SITE	NA
27	SABAL PALM	SABAL PALMETTO	7"	RELOCATE ON SITE	NA
28	SABAL PALM	SABAL PALMETTO	10"	PRESERVE	NA
29	SLASH PINE	PINUS ELLIOTTII	11"	PRESERVE	NA
30	SLASH PINE	PINUS ELLIOTTII	11"	REMOVE	YES
31	SABAL PALM	SABAL PALMETTO	14"	RELOCATE ON SITE	NA
32	SLASH PINE	PINUS ELLIOTTII	12"	PRESERVE	NA
33	SABAL PALM	SABAL PALMETTO	12"	PRESERVE	NA
34	SABAL PALM	SABAL PALMETTO	10"	PRESERVE	NA
35	SABAL PALM	SABAL PALMETTO	10"	PRESERVE	NA
36	SABAL PALM	SABAL PALMETTO	15"	RELOCATE ON SITE	NA
37	SABAL PALM	SABAL PALMETTO	12"	RELOCATE ON SITE	NA
38	SABAL PALM	SABAL PALMETTO	15"	RELOCATE ON SITE	NA
39	SABAL PALM	SABAL PALMETTO	10"	RELOCATE ON SITE	NA
40	SLASH PINE	PINUS ELLIOTTII	6"	REMOVE	NO
41	LIVE OAK	QUERCUS VIRGINIANA	10"	REMOVE	YES, > 8" DBH
42	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
43	SLASH PINE	PINUS ELLIOTTII	16"	REMOVE	NO, NOT IN PERIMETER
44	LIVE OAK	QUERCUS VIRGINIANA	10"	REMOVE	YES, > 8" DBH
45	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	NO, NOT IN PERIMETER
46	SLASH PINE	PINUS ELLIOTTII	15"	REMOVE	NO, NOT IN PERIMETER
47	SABAL PALM	SABAL PALMETTO	15"	PRESERVE	NA
48	SABAL PALM	SABAL PALMETTO	15"	PRESERVE	NA
49	SABAL PALM	SABAL PALMETTO	15"	PRESERVE	NA
50	SABAL PALM	SABAL PALMETTO	15"	PRESERVE	NA
51	SABAL PALM	SABAL PALMETTO	12"	PRESERVE	NA
52	SABAL PALM	SABAL PALMETTO	15"	PRESERVE	NA
53	SLASH PINE	PINUS ELLIOTTII	8"	PRESERVE	NA
54	SLASH PINE	PINUS ELLIOTTII	8"	PRESERVE	NA
55	SLASH PINE	PINUS ELLIOTTII	7"	REMOVE	NO
56	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	NO, NOT IN PERIMETER
57	SABAL PALM	SABAL PALMETTO	8"	PRESERVE	NA
58	SLASH PINE	PINUS ELLIOTTII	10"	PRESERVE	NA
59	SABAL PALM	SABAL PALMETTO	12"	PRESERVE	NA
60	SABAL PALM	SABAL PALMETTO	12"	RELOCATE ON SITE	NA
61	SLASH PINE	PINUS ELLIOTTII	8"	PRESERVE	NA
62	SABAL PALM	SABAL PALMETTO	13"	RELOCATE ON SITE	NA
63	SABAL PALM	SABAL PALMETTO	8"	RELOCATE ON SITE	NA
64	SABAL PALM	SABAL PALMETTO	14"	RELOCATE ON SITE	NA
65	SABAL PALM	SABAL PALMETTO	15"	RELOCATE ON SITE	NA
66	SABAL PALM	SABAL PALMETTO	14"	RELOCATE ON SITE	NA
67	SABAL PALM	SABAL PALMETTO	14"	RELOCATE ON SITE	NA
68	SLASH PINE	PINUS ELLIOTTII	9"	PRESERVE	NA
69	SLASH PINE	PINUS ELLIOTTII	14"	REMOVE	NO, NOT IN PERIMETER
70	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	NO, NOT IN PERIMETER
71	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	NO, NOT IN PERIMETER
72	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
73	LIVE OAK	QUERCUS VIRGINIANA	10"	REMOVE	YES
74	SLASH PINE	PINUS ELLIOTTII	16"	REMOVE	YES
75	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES
76	SLASH PINE	PINUS ELLIOTTII	7"	REMOVE	NO
77	LIVE OAK	QUERCUS VIRGINIANA	11"	REMOVE	YES, > 8" DBH
78	SLASH PINE	PINUS ELLIOTTII	6"	REMOVE	NO
79	SLASH PINE	PINUS ELLIOTTII	14"	REMOVE	NO, NOT IN PERIMETER
80	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	NO, NOT IN PERIMETER
81	SLASH PINE	PINUS ELLIOTTII	16"	REMOVE	NO, NOT IN PERIMETER
82	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	NO, NOT IN PERIMETER
83	LIVE OAK	QUERCUS VIRGINIANA	7"	REMOVE	NO, NOT IN PERIMETER
84	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	NO, NOT IN PERIMETER
85	SLASH PINE	PINUS ELLIOTTII	6"	REMOVE	NO
86	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	NO, NOT IN PERIMETER
87	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
88	SLASH PINE	PINUS ELLIOTTII	7"	REMOVE	NO
89	SLASH PINE	PINUS ELLIOTTII	5"	REMOVE	NO
90	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	NO, NOT IN PERIMETER
91	SLASH PINE	PINUS ELLIOTTII	11"	REMOVE	NO, NOT IN PERIMETER
92	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	NO, NOT IN PERIMETER
93	SLASH PINE	PINUS ELLIOTTII	7"	REMOVE	NO
94	SLASH PINE	PINUS ELLIOTTII	11"	REMOVE	NO, NOT IN PERIMETER
95	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
96	LIVE OAK	QUERCUS VIRGINIANA	14"	REMOVE	YES, > 8" DBH
97	SLASH PINE	PINUS ELLIOTTII	15"	REMOVE	NO, NOT IN PERIMETER
98	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	YES
99	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
100	SLASH PINE	PINUS ELLIOTTII	7"	REMOVE	NO
101	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	YES
102	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	YES
103	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES

Tree #	Tree Species		DBH/Height	Proposed Disposition	Mitigate
	Common Name	Botanical Name			
104	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES
105	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	YES
106	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	YES
107	SLASH PINE	PINUS ELLIOTTII	6"	REMOVE	NO
108	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
109	SLASH PINE	PINUS ELLIOTTII	17"	REMOVE	NO, NOT IN PERIMETER
110	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	NO, NOT IN PERIMETER
111	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
112	SLASH PINE	PINUS ELLIOTTII	14"	REMOVE	NO, NOT IN PERIMETER
113	SLASH PINE	PINUS ELLIOTTII	6"	REMOVE	NO
114	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	NO, NOT IN PERIMETER
115	SLASH PINE	PINUS ELLIOTTII	5"	REMOVE	NO
116	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	NO, NOT IN PERIMETER
117	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES
118	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
119	SLASH PINE	PINUS ELLIOTTII	21"	REMOVE	NO, NOT IN PERIMETER
120	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
121	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
122	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
123	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
124	LIVE OAK	QUERCUS VIRGINIANA	9"	REMOVE	YES
125	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	NO, NOT IN PERIMETER
126	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
127	SLASH PINE	PINUS ELLIOTTII	11"	REMOVE	NO, NOT IN PERIMETER
128	SLASH PINE	PINUS ELLIOTTII	16"	REMOVE	NO, NOT IN PERIMETER
129	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
130	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	NO, NOT IN PERIMETER
131	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
132	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	NO, NOT IN PERIMETER
133	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
134	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	NO, NOT IN PERIMETER
135	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	NO, NOT IN PERIMETER
136	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	NO, NOT IN PERIMETER
137	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	NO, NOT IN PERIMETER
138	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
139	SLASH PINE	PINUS ELLIOTTII	15"	REMOVE	NO, NOT IN PERIMETER
140	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	YES
141	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	YES
142	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES
143	SLASH PINE	PINUS ELLIOTTII	6"	REMOVE	NO
144	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	YES
145	SLASH PINE	PINUS ELLIOTTII	7"	REMOVE	NO
146	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES
147	SLASH PINE	PINUS ELLIOTTII	7"	REMOVE	NO
148	SLASH PINE	PINUS ELLIOTTII	14"	REMOVE	NO, NOT IN PERIMETER
149	SABAL PALM	SABAL PALMETTO	10"	RELOCATE ON SITE	NA
150	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
151	SABAL PALM	SABAL PALMETTO	10"	PRESERVE	NA
152	SLASH PINE	PINUS ELLIOTTII	14"	REMOVE	NO, NOT IN PERIMETER
153	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
154	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
155	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
156	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
157	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	NO, NOT IN PERIMETER
158	SABAL PALM	SABAL PALMETTO	8"	RELOCATE ON SITE	NA
159	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	NO, NOT IN PERIMETER
160	SLASH PINE	PINUS ELLIOTTII	14"	REMOVE	NO, NOT IN PERIMETER
161	SLASH PINE	PINUS ELLIOTTII	10"	PRESERVE	NA
162	SLASH PINE	PINUS ELLIOTTII	9"	PRESERVE	NA
163	SABAL PALM	SABAL PALMETTO	12"	PRESERVE	NA
164	SLASH PINE	PINUS ELLIOTTII	9"	PRESERVE	NA
165	SABAL PALM	SABAL PALMETTO	10"	RELOCATE ON SITE	NA
166	SABAL PALM	SABAL PALMETTO	11"	RELOCATE ON SITE	NA
167	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	NO, NOT IN PERIMETER
168	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
169	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	NO, NOT IN PERIMETER
170	SABAL PALM	SABAL PALMETTO	8"	RELOCATE ON SITE	NA
171	SLASH PINE	PINUS ELLIOTTII	17"	PRESERVE	NA
172	SABAL PALM	SABAL PALMETTO	12"	PRESERVE	NA
173	SABAL PALM	SABAL PALMETTO	10"	RELOCATE ON SITE	NA
174	SLASH PINE	PINUS ELLIOTTII	13"	PRESERVE	NA
175	SLASH PINE	PINUS ELLIOTTII	12"	PRESERVE	NA
176	SLASH PINE	PINUS ELLIOTTII	14"	PRESERVE	NA
177	SABAL PALM	SABAL PALMETTO	12"	PRESERVE	NA
178	SLASH PINE	PINUS ELLIOTTII	8"	PRESERVE	NA
179	SLASH PINE	PINUS ELLIOTTII	12"	PRESERVE	NA
180	SLASH PINE	PINUS ELLIOTTII	12"	PRESERVE	NA
181	SABAL PALM	SABAL PALMETTO	8"	RELOCATE ON SITE	NA
182	SABAL PALM	SABAL PALMETTO	11"	RELOCATE ON SITE	NA
183	SABAL PALM	SABAL PALMETTO	10"	RELOCATE ON SITE	NA
184	SABAL PALM	SABAL PALMETTO	11"	RELOCATE ON SITE	NA
185	SLASH PINE	PINUS ELLIOTTII	14"	REMOVE	NO, NOT IN PERIMETER
186	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	NO, NOT IN PERIMETER
187	SABAL PALM	SABAL PALMETTO	10"	PRESERVE	NA
188	SABAL PALM	SABAL PALMETTO	10"	PRESERVE	NA
189	SABAL PALM	SABAL PALMETTO	16"	PRESERVE	NA
190	SLASH PINE	PINUS ELLIOTTII	15"	PRESERVE	NA
191	SABAL PALM	SABAL PALMETTO	12"	PRESERVE	NA
192	SLASH PINE	PINUS ELLIOTTII	10"	PRESERVE	NA
193	SLASH PINE	PINUS ELLIOTTII	10"	PRESERVE	NA
194	SLASH PINE	PINUS ELLIOTTII	7"	PRESERVE	NA
195	SLASH PINE	PINUS ELLIOTTII	11"	PRESERVE	NA
196	SLASH PINE	PINUS ELLIOTTII	12"	PRESERVE	NA
197	SLASH PINE	PINUS ELLIOTTII	15"	PRESERVE	NA
198	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	NO, NOT IN PERIMETER
199	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	NO, NOT IN PERIMETER
200	SLASH PINE	PINUS ELLIOTTII	14"	REMOVE	NO, NOT IN PERIMETER
201	SLASH PINE	PINUS ELLIOTTII	7"	REMOVE	NO
202	SLASH PINE	PINUS ELLIOTTII	7"	REMOVE	NO
203	LIVE OAK	QUERCUS VIRGINIANA	8"	REMOVE	YES, > 8" DBH

TREE MITIGATION
TABLE

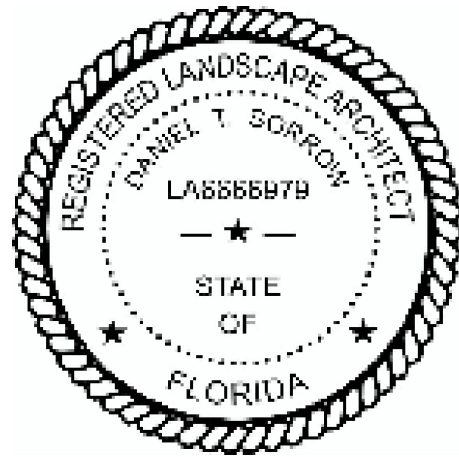


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DESIGNED _____ DTS
DRAWN _____ LH
APPROVED _____ DTS
JOB NUMBER _____ 16-0804
DATE _____ 09-15-17
REVISIONS _____ 02-07-18
_____ 06-20-18

TREE MITIGATION DATA

TREE MITIGATION DATA - PER STANDARD CODE REQUIREMENT						
TREE # 1:		LIVE OAK	3 REPLACEMENT CREDITS (8" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 41:		LIVE OAK	3 REPLACEMENT CREDITS (10" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 44:		LIVE OAK	3 REPLACEMENT CREDITS (10" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 73:		LIVE OAK	3 REPLACEMENT CREDITS (10" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 77:		LIVE OAK	3 REPLACEMENT CREDITS (11" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 98:		SLASH PINE	3 REPLACEMENT CREDITS (10" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 101:		SLASH PINE	3 REPLACEMENT CREDITS (10" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 102:		SLASH PINE	4 REPLACEMENT CREDITS (13" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
2	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	4 CREDITS	
2	TREES		TOTAL DBH CREDITS MITIGATED		6 CREDITS	
TREE # 103:		SLASH PINE	3 REPLACEMENT CREDITS (8" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 104:		SLASH PINE	3 REPLACEMENT CREDITS (8" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 105:		SLASH PINE	3 REPLACEMENT CREDITS (9" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 106:		SLASH PINE	3 REPLACEMENT CREDITS (10" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 117:		SLASH PINE	3 REPLACEMENT CREDITS (8" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 124:		LIVE OAK	3 REPLACEMENT CREDITS (9" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 140:		SLASH PINE	3 REPLACEMENT CREDITS (12" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 141:		SLASH PINE	3 REPLACEMENT CREDITS (10" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 142:		SLASH PINE	3 REPLACEMENT CREDITS (8" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 144:		SLASH PINE	3 REPLACEMENT CREDITS (9" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 146:		SLASH PINE	3 REPLACEMENT CREDITS (8" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TREE # 203:		LIVE OAK	3 REPLACEMENT CREDITS (8" DBH)			
REPLACEMENT TREES			COMMON NAME	SIZE	TREE DBH CREDITS	
1	MITIGATION RATIO 1:1 CREDITS DBH REMOVED	QUERCUS VIRGINIANA	LIVE OAK	12'-14' HT, 6'-8' SPRD, 6" CAL	3 CREDITS	
1	TREES		TOTAL DBH CREDITS MITIGATED		3 CREDITS	
TOTAL REPLACEMENT TREES: GRAND TOTAL DBH CREDITS REQUIRED					61 CREDITS	
GRAND TOTAL DBH CREDITS PROVIDED					63 CREDITS	

TREE TO BE REMOVED REQUIRING MITIGATION

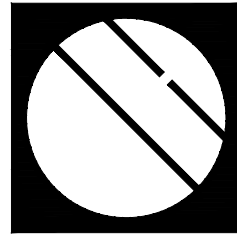
Tree #	Tree Species		DBH/Height	Proposed Disposition	Mitigate	Replacement Credit Needed	Replacement Credit Provided
	Common Name	Botanical Name					
1	LIVE OAK	QUERCUS VIRGINIANA	8"	REMOVE	YES, 8"-12" DBH	3	3
41	LIVE OAK	QUERCUS VIRGINIANA	10"	REMOVE	YES, 8"-12" DBH	3	3
44	LIVE OAK	QUERCUS VIRGINIANA	10"	REMOVE	YES, 8"-12" DBH	3	3
73	LIVE OAK	QUERCUS VIRGINIANA	10"	REMOVE	YES, 8"-12" DBH	3	3
77	LIVE OAK	QUERCUS VIRGINIANA	11"	REMOVE	YES, 8"-12" DBH	3	3
98	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	YES, 8"-12" DBH	3	3
101	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	YES, 8"-12" DBH	3	3
102	SLASH PINE	PINUS ELLIOTTII	13"	REMOVE	YES, 13"-18" DBH	4	6
103	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES, 8"-12" DBH	3	3
104	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES, 8"-12" DBH	3	3
105	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	YES, 8"-12" DBH	3	3
106	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	YES, 8"-12" DBH	3	3
117	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES, 8"-12" DBH	3	3
124	LIVE OAK	QUERCUS VIRGINIANA	9"	REMOVE	YES, 8"-12" DBH	3	3
140	SLASH PINE	PINUS ELLIOTTII	12"	REMOVE	YES, 8"-12" DBH	3	3
141	SLASH PINE	PINUS ELLIOTTII	10"	REMOVE	YES, 8"-12" DBH	3	3
142	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES, 8"-12" DBH	3	3
144	SLASH PINE	PINUS ELLIOTTII	9"	REMOVE	YES, 8"-12" DBH	3	3
146	SLASH PINE	PINUS ELLIOTTII	8"	REMOVE	YES, 8"-12" DBH	3	3
203	LIVE OAK	QUERCUS VIRGINIANA	8"	REMOVE	YES, 8"-12" DBH	3	3
TOTAL CREDITS:						61	63

*NOTES:

FOR EACH 4 INCH CALIPER TREE REPLANTED, 3 TREE CREDITS ARE GIVEN.

PER MARTIN COUNTY STANDARDS, TREES USED IN THE LANDSCAPE DATA THAT GO ABOVE THE MINIMUM CALIPER REQUIREMENT CAN SATISFY THE TREE REPLACEMENT CREDITS. OAKS BEING USED ARE SPECIFIED AT 6" CAL, USING THE EXTRA 4" TOWARD THE TREE MITIGATION CALCULATIONS.

TREE MITIGATION TABLE



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JOB NUMBER _____ 16-0804
DATE _____ 09-15-17
REVISIONS _____ 02-07-18
_____ 06-20-18

May 16, 2017 4:48:19 p.m.
17-0201_CONCEPTUAL MASTER PLAN B.DWG

SHEET 3 OF 3

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