

STATE OF FLORIDA DEPARTMENT OF HEALTH ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM APPLICATION FOR CONSTRUCTION PERMIT

PERMIT NO.	
DATE PAID:	
FEE PAID:	
RECEIPT #:	

APPLICATION FOR: Lisbon Lot [] New System [] E [] Repair [] #	Existing System [] Holding Tank [] Innovative
APPLICANT: PalmCorp Developm	nent Group LLC
	Cherokee Consulting, Inc TELEPHONE: 305.205.2361
MAILING ADDRESS: 5821 SW 51	
TO BE COMPLETED BY APPLICANT BY A PERSON LICENSED PURSUAN APPLICANT'S RESPONSIBILITY T BLATTED (MM/DD/YY) IF REQUES	F OR APPLICANT'S AUTHORIZED AGENT. SYSTEMS MUST BE CONSTRUCTED NT TO 489.105(3)(m) OR 489.552, FLORIDA STATUTES. IT IS THE FOUNTED DOCUMENTATION OF THE DATE THE LOT WAS CREATED OR STING CONSIDERATION OF STATUTORY GRANDFATHER PROVISIONS.
PROPERTY INFORMATION	
LOT: 15 BLOCK: 59	SUBDIVISION: Coral Gables Granada Section PLATTED: 1923
PROPERTY ID #:30-4013-016-1015	ZONING: RE I/M OR EQUIVALENT: [Y / N]
PROPERTY SIZE: 0.12 ACRES	WATER SUPPLY: [] PRIVATE PUBLIC [X]<=2000GPD [X]>2000GF
IS SEWER AVAILABLE AS PER 38	
PROPERTY ADDRESS 1011 Lisbon,	Coral Gables, FL 33134
DIRECTIONS TO PROPERTY: Nort	h on NE 12 Av to site
BUILDING INFORMATION	[XXX] RESIDENTIAL [] COMMERCIAL
Unit Type of No Establishment	No. of Building Commercial/Institutional System Design Bedrooms Area Sqft Table 1, Chapter 64E-6, FAC
1 Residential	3 2209 SF under A/C
2	
3	
4	
[] Floor/Equipment Drains	W2
SIGNATURE: Ken W. Groce P.E.	Kwg DATE: 7.9.14

Arborist's Curriculum Vitae

Jeremy T. Chancey

Curriculum Vitae

Arboricultural and Landscape Consultant

Consulting arborist, tree expert, landscape consultant providing services for landscape architects, landscape contractors, developers, builders, municipalities, golf course managers, homeowners, insurance companies, commercial property owners and managers in the United States, Caribbean and Brazil for over 26 years.

Work Experience

- 2004 current: President JTC Management Group, Inc. Landscape & Arboricultural
 Consulting Services for U.S., Caribbean and Latin America
- 2003 2008: Partner Brasil Fancy Ornamental Plant Nursery
- 1993 2010: President JTC Brasil Landscape Consulting, Design & Construction Firm
- 1991 1993: Vice-President Softscapes Landscapes for Living, Inc. Landscape
 Operations
- 1988 1993: General Manager L. Thomas Chancey & Associates, Inc. Landscape
 Architecture, Consulting, Construction and Tree Care Company

Areas of Expertise

- Tree Management Plan Development
- Specimen Tree Preservation and Relocation
- Upland Tree Permitting, Mitigation, Monitoring and Compliance
- Tree Risk Assessment
- Landscape Design, Construction and Inspection
- Landscape Management Plan Development and Training
- Landscape Architectural Team Coordination and Planning
- Landscape Plan Review
- Specimen Plant Procurement

Education

- Over 325 hours of Continuing Education since 2001 including:
 - o ISA Tree Risk Assessment Qualification
 - o Advanced Arboriculture
 - o Urban Forest Management
 - o ISA and Worldwide Urban Forestry
 - Structural Tree Pruning
 - o i-Tree: New Technologies to Assess the Urban Forest
 - o Tree Preservation on Construction Sites
 - o Health Care for Senior Trees
 - O Tree Risk Assessment & Demonstrations of Decay
 - o Florida Department of Environmental Protection Uniform Mitigation Assessment Method (UMAM)
 - O Sustainable Landscapes Design to Inspection
 - o Trees and Lightning
 - o Designing Spaces for Trees
 - o Tree Selection Right Tree, Right Place
 - o Green Infrastructure
 - O Urban Planning and Urban Soils
 - O Aspects of Urban Forestry and Vegetation Management
 - o Tree Inventories
 - o The Value of Trees in Landscape Projects
- Graduated with honors from University School, Nova University, Davie, Florida

Licenses and Certifications

- International Society of Arboriculture (ISA) Certified Arborist FL 0762-A
- International Society of Arboriculture (ISA) Tree Risk Assessment Qualified
- Landscape Inspectors Association of Florida (LIAF) Certified Landscape Inspector
- Florida Department of Transportation Certified Roadside Vegetation Management

Elected or Appointed Positions

8.8 × 2 ×

- Board of Directors, International Society of Arboriculture (ISA) Brazil Chapter
- Vice President, Urban Forestry Council of Brazil (SBAU)
- Board of Directors, Landscape Inspectors Association of Florida (LIAF)
- Vice President, Landscape Inspectors Association of Florida (LIAF)
- International Society of Arboriculture (ISA) International Development Committee
 Member
- International Society of Arboriculture (ISA) Finance Committee Member
- International Society of Arboriculture (ISA) Governance Committee Member

Skills/Accomplishments

- Bilingual, fluent in Portuguese
- Coordinated the effort between International Society of Arboriculture (ISA) and the Urban Forestry Council of Brazil (SBAU) to introduce ISA Certification Programs to Brazil which included:
 - o Certified Arborist Exam
 - o Educational presentations and training
 - Translation and publication of "The Glossary of Arboriculture Terms" from English to Portuguese
 - o Developing Continuing Educational Units for Certified Arborists

Professional Affiliations

- American Society of Consulting Arborists (ASCA)
- International Society of Arboriculture (ISA)
- Florida Chapter, ISA
- Landscape Inspectors Association of Florida (LIAF)
- Florida Urban Forestry Council (FUFC)

Presentations

- City of Sao Paulo Planning Department, Sao Paulo, Brazil
- City of Sao Paulo Parks and Recreation Department, Sao Paulo, Brazil
- Florida Chapter, International Society of Arboriculture, Orlando, Florida
- Golf Course Superintendents Association, Orlando, Florida
- International Landscape Conference, Pistoia, Italy
- Landscape Inspectors Association Annual Conference, Plantation, Florida
- Urban Forestry Conference, Minas Gerais, Brazil
- Urban Forestry Conference, Manaus, Brazil
- Urban Forestry Conference, Parana, Brazil
- Urban Forestry Conference, Recife, Brazil
- Urban Forestry Conference, Rio Branco, Brazil
- Urban Forestry Conference, Vitoria, Brazil

Arborist's Response to Appeal

October 15, 2014

Kia Hernandez Planning director Palmcorp Development Group 4904 SW 72 Ave Miami, FL., 33155 305-446-7990

Re: 3 Live Oaks located at 1015 Lisbon Street, Coral Gables, Florida - Appeal Response

Dear Ms. Hernandez,

Per your request, we have reviewed the appeal submitted by the concerned neighbors on Lisbon Street and would like to provide some clarification to alleviate those concerns. In my opinion, some substantial inaccuracies have been stated.

Many of the issues brought up in the appeal are answered simply by reading my original report, "1011 Lisbon, Lot 15, Coral Gables, FL Live Oak Root Report" submitted on April 14, 2014 and subsequently updated on August 20, 2014, as well as my Work Plan with its two revisions.

All of these reports and plans have been developed utilizing all of the ANSI A-300 Standards, the City of Coral Gables Code of Ordinances, the developer's desire to improve his property and my own professional experience in order to best preserve and enhance all of the assets of the property, including the Live Oak trees.

The neighbors have accurately stated in their appeal that both the ANSI A 300 parts 5 and 8 are not specifically mentioned in my report. As stated above, all of the practices, objectives, extent of work to be performed as well as consideration of the site and trees' tolerances are clearly considered and stated in the Work Plan. In addition, the Work Plan calls for the City Arborist to oversee all of the root preparation work before any root pruning is performed.

In the appeal presented by the neighbors, Mr. Shimonski and Mr. Brennan's reports are referred to repeatedly, and both men are held out as "seasoned experts". It bears noting that Mr. Brennan has not actually set foot on the property, and Mr. Shimonski failed to do any root investigation, neither one was utilizing accurate information on the location of the proposed drainfield when they wrote their respective reports, essentially rendering both of their opinions useless in this case.

Both Mr. Shimonski and Mr. Brennan call for protection fencing based on the drip line of these three trees, up to 100 feet in diameter. This would require closing down Lisbon Street, would prohibit access to Mr. Lecuru's

and Ms. Friedman's driveway, as well as impacting the other adjacent property owners. In one of the photos submitted in his report, Mr. Shimonski's vehicle was parked within the area he states should be cordoned off as a Tree Protection Zone and Critical Root Zone. It would appear as though he wasn't concerned about damaging the tree and compacting the roots when he parked on the swale in front of it.

In urban settings such as Coral Gables, where trees co-exist with sidewalks, streets, buildings and utilities, it is unrealistic and, in fact, impossible to expect that every tree shall meet every ANSI Standard. The Standards are performance guidelines, under constant revision, used to develop written specifications for work assignments, not to be used as specifications in and of themselves. The strictest interpretation of these guidelines wouldn't allow for the majority of homes in Coral Gables to have been built as they currently stand.

Trees on Lisbon Street, as well as streets all over the City of Coral Gables and beyond, must co-exist with construction of buildings, fences, sidewalks and streets. It is possible to see excellent examples of this co-existence around the country with trees continuing to live and thrive.

I am very impressed with the amount of time and effort the City of Coral Gables has devoted to ensuring that their Code of Ordinances has been adhered to in this case. It is clear that everyone involved has the successful collaboration of trees and development as their top priority.

Sincerely,

Jeremy T. Chancey, member

ASC A CONSTITUTE ARBORISTS
ISA Certified Arborist FL 0762-A
ISA Tree Risk Assessment Qualified
LIAF Certified Landscape Inspector

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City of Coral Gables Approved Work Plan September 22, 2014

Kia Hernandez Planning director Palmcorp Development Group 4904 SW 72 Ave Miami, FL., 33155 305-446-7990

Re: 1011(5) Lisbon, Lots 13, 14 & 15, Coral Gables, FL - Live Oak's Work Plan

Dear Ms. Hernandez,

Based upon our meeting and inspection at the aforementioned property on September 11, 2014 and suggestions from the City of Coral Gables, including comments from Brook Dannemiller, we would like to include additional items in our work plan. This includes Attachment A, the location of the proposed phased root pruning and the tree protection fencing which delineates the Tree Protection Zone per the City of Coral Gables, Sec. 82-32. Tree protection/relocation standards. We are also including Attachment B, which is a colored sketch of the tree protection of Lots 13 and 14 and how it relates to the Live Oaks on Lot 15.

PRE-CONSTRUCTION LOT 15

- 1. Pruning, it is recommended that crown cleaning of the three trees be performed that removes any dead limbs 1" or greater. Likewise, the removal of the vines that are growing throughout the canopy should be removed. Crown raising should be performed on the West side of the tree, over Lisbon Street to provide a minimum of 14' clearance for emergency and construction traffic. Crown reduction on the East side of the trees directly over the new construction should be done, removing limbs no greater than 4" in diameter. No greater than 20% of living leaves should be removed from the three trees entire canopy during this task. Lastly, an aerial inspection should be performed by the climbing arborist to identify any potential decay or wounds in the canopy not observed from the ground. Pruning shall meet or exceed, ANSI A300 (Part 1) 2008 Pruning.
- Removal of palm number 6, Alexander palm and tree number 7, Royal Poinciana, shall be removed by a certified arborist and cut flush to the ground. The roots should not be removed. Care must be taken not to damage the adjacent Live Oaks during the removal of these two species.
- 3. Stake proposed building of footprint include grade elevations and outside edge of proposed footers, to be performed by Land Surveyor.

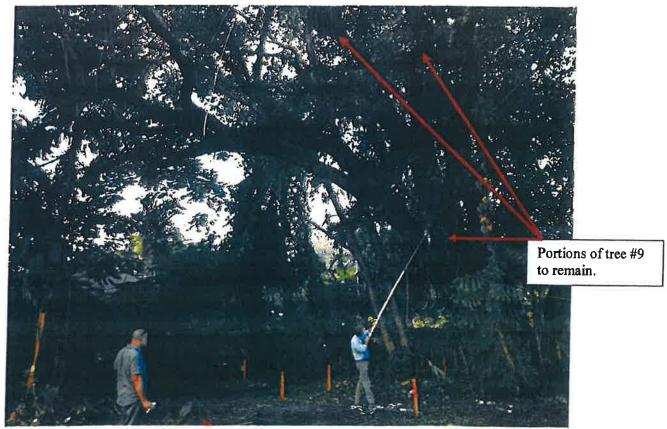
- 4. Installation of remaining portion of tree protection fencing shown in blue, see Attachment A and on Attachment B, and per City of Coral Gables, Sec. 82-32. Tree protection/relocation standards. The fencing should include the emergency contact telephone number of the Consulting Arborist in the event the fencing requires temporary modifications to permit limited access. The fencing shall not be moved or relocated without consulting with either the Landscape Architect or the Consulting Arborist.
 - a) The tree protection fencing shall extend from the existing chain link fencing extending along Lisbon Street within Eastern edge of the sidewalk. The additional tree protection fencing can be a combination of fixed and removable chain link with sand bags to accommodate any conflicts with the existing root area. Thus not interfering with any additional roots of the trees to be preserved.
 - b) The tree protection fencing will extend along Lisbon Street North onto Lots 13 and 14 extending to 20 feet of the north property boundary of Lot 13. Please see Attachment B for layout.
- 5. Apply 2 to 3 inch layer of mulch over entire Tree Protection Zone.
- Install temporary above ground irrigation system within the Tree Protection Zone to provide supplemental water two times per week until the permanent irrigation system is operational.
- 7. Root pruning of east side of trees along proposed building footer only, see Attachment A, this area is indicated in green. Utilizing hand tools. Any roots encountered shall be pruned with a sharp pruning saw. The soil shall be replaced and watered extensively to remove any air pockets. No machinery shall be utilized for trenching and all work supervised by Consulting Arborist and City Arborist.

DURING CONSTRUCTION LOT 15

- 1. No trenching, digging or installations of utilities are permitted within the tree protection fencing.
- Installation of irrigation system within the tree protection fencing shall be permitted to
 use hand tools only, no trenching equipment is permitted, roots up to 2 inches in diameter
 may be pruned with a clean, sharp pruning saw. Any roots larger than 2 inches must be
 preserved and the system rerouted to accommodate the root(s).
- 3. Pruning, crown reduction of limb immediately in conflict with new construction to be performed after second floor is built and the exterior walls are under construction for this portion of the project. Location of final pruning cut to be made at a codominant stem approximately 12 feet above the ground. Pruning is to meet or exceed ANSI A300 (Part 1) 2008 Pruning. Please see three photographs with captions below.



East portion of Tree #9. Location of the white pole indicates façade of new home. The pole measures 17 feet, the new wall to the home is 20 feet tall. This portion of the canopy will need to be removed. The pruning shall be completed per ANSI A-300 pruning standards to the next nearest lateral limb which will be shown in the next photograph.



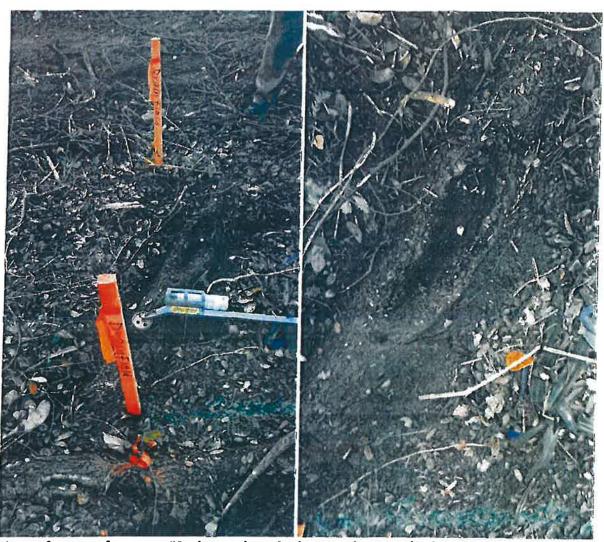
Location of final pruning cut on this portion of the limb on Tree #9 indicated by white pole. This codominant limb is attached at a lower point to another large limb to the west of these two limbs seen in this photograph. Additional arrows indicate portion of tree to remain.



Closer view of tree #9 and the codominant limb to be pruned. This represents approximately 25% of tree #9 canopy. Pruning to be completed in two pruning cycles per ANSI A300 (Part 1) - 2008 Pruning. Limb on the right as well as large trunk to the right of image (not seen here) are to be left untouched.

- 4. Verify that the walkway pavers to the front entry are placed on sand and hand compacted.
- 5. Root prune west portion of root system for drain field and septic installation, shown as pink on Attachment A. To perform this task it is recommended to utilize an air spade to remove the existing soil and prune the roots with a sharp saw. No machinery shall be utilized and all work shall be supervised by the Consulting Arborist and the City Arborist. This work is to be performed prior to installation of septic system, near the conclusion of the construction project.

Please see the following photographs below showing the root pruning area.

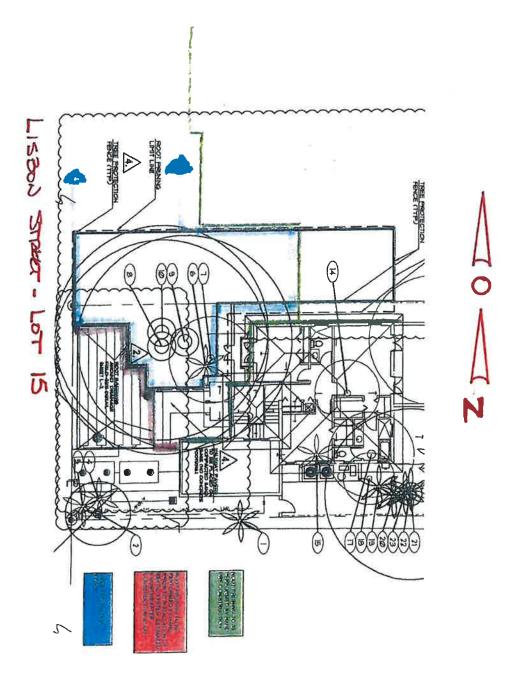


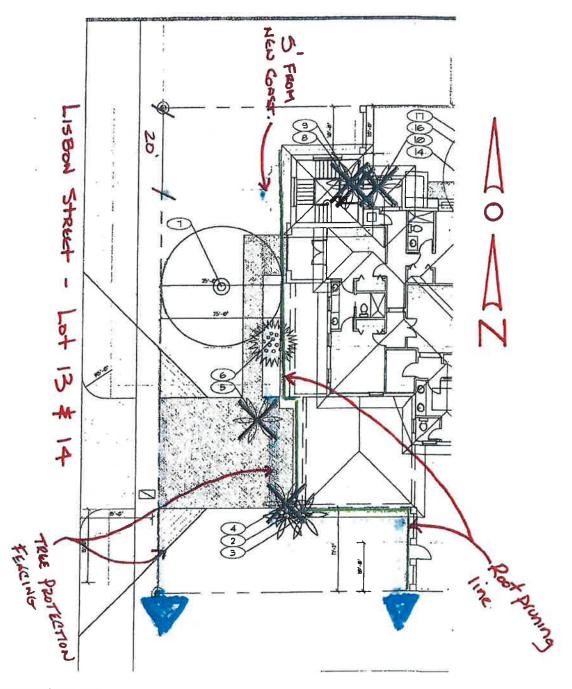
This surface root from tree #8, shown above in the two photographs, is approximately 8 inches in diameter. It will need to be pruned since it is within the proposed drain field. The stake indicates the end of this section of drain field. The pruning is proposed to occur at the green painted line. The larger root in the foreground is to be preserved. The photographs also show two different areas of damage on the root proposed to be pruned. We found decay within these two cavities. We did not observe any disease resulting from these old wounds.



This surface root is to be preserved. We found it to be approximately 12 inches in diameter. Likewise, we found old damage to the top of the root. We did observe reaction wood forming along the top of the wound. This indicates that the tree is responding properly to the wound.

Attachment A





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LOTS 13 & 14

PRE-CONSTRUCTION LOTS 13 & 14

- Install tree protection fencing that attaches to tree protection fencing on Lot 15 to extend along Lisbon Street North to up to 20 feet of the North property boundary, then East towards future construction to 5 feet from proposed constructed area, then extending South towards Lot 15 then East along new construction then South attaching to Lot 15 tree protection fencing indicated in blue on Attachment B above.
- 2. Root prune along the new construction indicated in green on *Attachment B*. This root pruning shall be performed by hand with hand shovels and any roots encountered pruned with a sharp clean saw.

DURING CONSTRUCTION LOTS 13 & 14

- 1. No trenching, digging or installations of utilities are permitted within the tree protection fencing.
- 2. Installation of irrigation system within the tree protection fencing shall be permitted to use hand tools only, no trenching equipment is permitted, roots up to 2 inches in diameter may be pruned with a clean, sharp pruning saw. Any roots larger than 2 inches must be preserved and the system rerouted to accommodate the root(s).
- 3. Walkway pavers will be placed on sand and hand compacted.
- 4. We are coordinating with the City to waive the requirement for footers along the edge of the paver driveway and that the driveway pavers will be set on a gravel or sand base to the minimal depth allowed by the City.

MONITORING

Monitoring shall include weekly site visits to review and document:

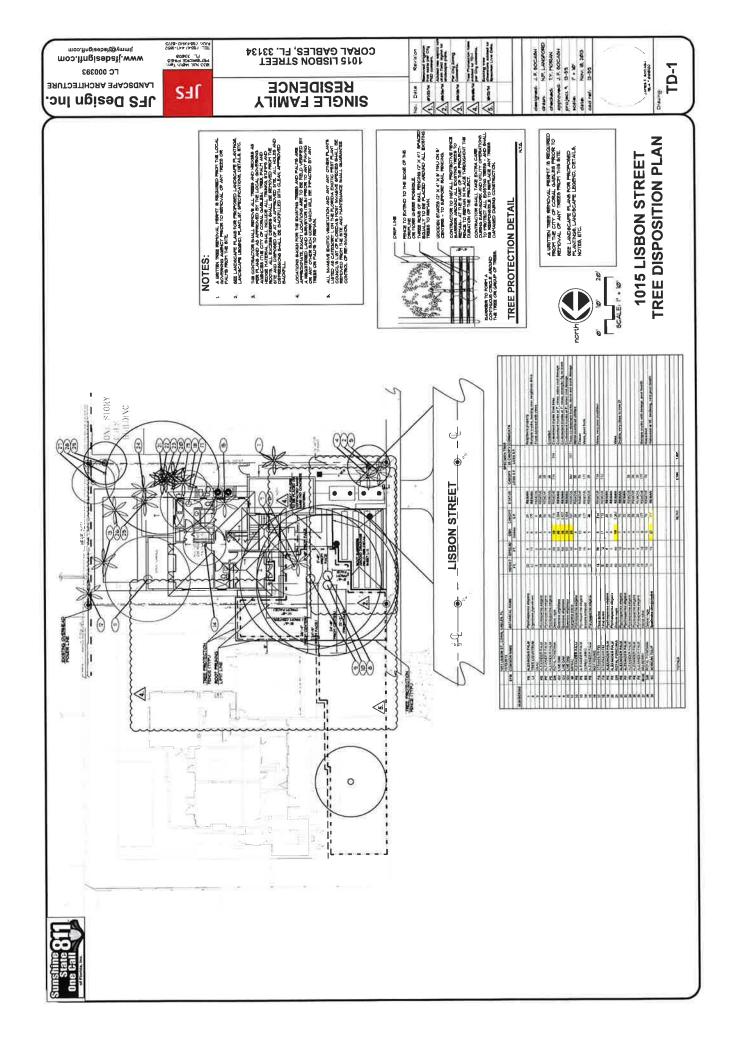
- 1. The trees health condition.
- 2. The temporary irrigation system is functioning adequately.
- 3. The tree protection fencing is in place and that no encroachments within the Tree Protection Zone have occurred.
- 4. Dialogue with the site superintendent and operators at the project site, to ensure that everyone working at the property understands the importance of the trees and need for their cooperation in the success of the preservation.

23/23

Jeremy T. Chancey
ISA Certified Arborist, FL-0762A
ISA Tree Risk Assessment Qualified
LIAF Certified Landscape Inspector
JTC Management Group, Inc.
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Fort Lauderdale, Florida 33312
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Tree Disposition Plan



Property Owner's Collaboration with City of Coral Gables

October 22, 2014

Kia Hernandez Planning director Palmcorp Development Group 4904 SW 72 Ave Miami, FL., 33155 305-446-7990

Re: 1011(5) Lisbon, Lot 15, Coral Gables, Summary of Work Plan Revisions

The following revisions were made to the original Work Plan dated September 8, 2014 on September 11, 2014:

- Included Attachment "A"; detailing location and type of Tree Protection Fencing.
- Included location of phased root pruning, supervision by City Arborist and no use of machinery.
- Included photographs of locations for tree pruning on East side of tree number 9.
- Included detail of root pruning proposed for drain field and City Arborist's supervision.

The following revisions were made to the revised Work Plan on September 22, 2014:

- Included Lots 13 and 14 with Attachment "B" detailing location and type of Tree Protection Fencing, to extend tree protection for the three Live Oaks that extends up to within 20 feet of the north property line of Lot 13.
- Included verbiage, "No trenching, digging or installations of utilities are permitted within the tree protection fencing."
- Included guidelines for permanent irrigation installation by hand within tree protection fencing, whereas no roots greater than 2" could be cut and piping needed to be rerouted to preserve roots.
- Included root pruning along proposed home (1011) to protect 18" Live Oak on Lots 13 and 14.
- Included walkway and driveway to be placed on sand and hand compacted.
- Included coordination with City to waive footer at driveway to avoid pruning roots from Live Oaks.

Jeremy T. Chancey, member,
American Society of Consulting Arborists
ISA Certified Arborist, FL-0762A

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Evidence of Arborist's Work in Preserving Tree

