

# Environmental Arborist Services

## TREE ASSESSMENT



<b>PROJECT TITLE:</b> Arborist Tree Inspection- Along 12 Ave. between Coral Way and SW 12 <sup>th</sup> street, Miami FL 33145	<b>DATE:</b> 10-04-17	<b>DAY:</b> Wednesday	<b>REPORT NO.</b> 1	<b>PROJECT NO.</b> 13-00060
<b>TEMPERATURE</b> 88° F	<b>CONTRACTOR:</b>		<b>FIRM:</b> MILLER LEGG	
<b>Weather Condition:</b> Partly cloudy			<b>PROJECT MANAGER:</b> Mike Kroll	<b>Proj. Superintendent:</b>
<b>VISITORS:</b> N/A		<b>MIAMI-DADE :</b> N/A		

<b>ML TEAM:</b> William Mohler, CA	<b>AGENCIES:</b> FDOT - Juan J. Hitchman.
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#	CONTRACTOR / SUBCONTRACTORS	CREWS	SUPERINTENDENT	FOREMEN	SKILLED	OPERATORS	TOTAL
1	N/A						
2							

EQUIPMENT			A	I	CONTR. #	LOC	TIME	EQUIPMENT			A	I	CONTR. #	LOC	TIME	

On October 4, 2017, William Mohler, ISA Certified Arborist FL-6601A arrived onsite to assess seven (7) trees found with a FDOT Right of Way along 12 Ave between Coral Way and SW 12<sup>th</sup> street in Miami, FL. Observer met with Florida Department of Transportation Representative and Project Administrator Mr. Juan J. Hitchman. The tree assessment began at 1520 SW 12 Ave, Miami 33145 and moved south down the west side of the corridor. Individual assessments of trees and their approximate location based on traffic marker is displayed. Road No. SR 933 Financial Project ID 414643-2-52-01 Landscape plans for determination of existing tree location and the traffic markers were used (LD 27- LD 33).

The trees were identified as seven (7) fully mature example of Mahogany (*Swietenia mahagoni*) over 60 years old. An additional tree was requested to be evaluated by FDOT representative as well and was given the temporary tree number of 8. This tree was a Royal Poinciana (*Delonix regia*).

The trees reviewed are located in areas not suitable for these species due to the powerlines. As referred in FPL publication for Right Tree Right Place for large canopy trees. Excessive trimming from FPL in the center of the trees was observed and caused all trees to be poor or on the threshold of poor health. Additional deficiencies such as declining health, major and minor trunk damage, major and minor tree limb damage, hollow and broken leaders, co-dominance, decay, bark inclusion, root constriction, poor structure, dead wood in canopy and storm damage were commonly found in these old trees. The photographs found below illustrate these observations. The subject trees were reviewed from the ground. No soil samples were taken and no aerial or internal investigations were undertaken.

Note: Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. No tree can be deemed safe and risk free. Deficiencies are often hidden within trees, below ground or not clearly visible from the ground. Trunk injuries or improper pruning cuts can result in decay inside the trunk. Arborists cannot guarantee that a tree will be healthy, safe or adequately protected under all circumstances or for a specified period. Likewise, remedial, protective and mitigating treatments and recommendations cannot be guaranteed.

The following assessment is based on the opinion of the Arborist:

Tree 1 Mahogany (*Swietenia mahagoni*): Station Number Between 38 – 39 - Southern of two trees found here – Photos 1 - 5  
**Recommend structural trimming and potential removal.** Co dominance of major tree trunks with poor structure of leaders. Trunk leaders bent and contain minor and major damage. Limbs also contain major damage and most extend away from perpendicular line of trunk over pedestrian sidewalk and vehicular street. Tree found in poor condition. Major damage caused by FPL trimming off power lines. Root constriction from sidewalk and road way.

*Tree Inspection and Report – 10-04-17*

Tree 2 Mahogany (*Swietenia mahagoni*): Station Number Between 38 – 39 - Northern of two trees found here – Photos 6 - 11.  
**Recommend removal.** Co dominance of major tree trunks with poor structure of leaders. Decay observed in trunk and limbs. Limbs also contain major damage and most extend over roadway and sidewalk. Tree found in poor condition with significant decay of trunk and included bark. Canopy adjacent to power lines and has been severely trimmed.

Tree 3 Mahogany (*Swietenia mahagoni*): Station Number Between 23 - 24 - Southern of two trees found here – Photos – 15 - 17.  
**Recommend structural trimming and removal of 6 feet stub cut trunk at a minimum.** Major limb damage observed with 6 feet limb needing immediate removal. Stub cut observed. Co dominance of major tree trunks with poor structure of leaders and canopy. Minor damage observed in trunk and limbs. Limbs also contain major damage. Most limbs extend over roadway and sidewalk. Tree found in poor condition with included bark. Canopy adjacent to power lines and has been severely trimmed.

Tree 4 Mahogany (*Swietenia mahagoni*): Station Number Between 23 - 24 - Northern of two trees found here – Photos 18 - 21.  
**Recommend removal.** Co dominance of major tree trunks with poor structure of leaders. Major decay observed in center of trunk with included bark. Limbs also contain major damage and most extend over roadway and sidewalk. Bent leaders. Tree found in poor condition with significant decay of trunk. Root constriction observed. Canopy significantly altered from FPL trimming.

Tree 5 Mahogany (*Swietenia mahagoni*): Station Number Between 24 - 25 - Photos – 22 - 25.  
**Recommend structural trimming and potential removal.** Co dominance of major tree trunks with poor structure of leaders. Severely bent leaders. Minor decay observed in trunk and limbs. Limbs also contain damage and most extend over roadway and sidewalk. Limbs observed overlapping and rubbing other limbs causing damage. Stub cuts observed. Tree found in poor condition with included bark and major limb damage. Canopy adjacent to power lines and has been severely trimmed.

Tree 6 Mahogany (*Swietenia mahagoni*): Station Number Between 15 - 17. Southern of two trees found here. Photos 26 - 2.  
**Recommend removal.** Co dominance of major tree trunks with poor structure of leaders. Bent leaders leaning over roadway and pedestrian walk way. Limbs contain major damage and most extend over roadway and sidewalk. Tree found in poor condition. Canopy adjacent to power lines and has been severely trimmed. Root Constriction observed. Canopy significantly altered from FPL trimming.

Tree 7 Mahogany (*Swietenia mahagoni*): Station Number Between 15 - 17- Northern of two trees found here. Photos 29 - 32.  
**Recommend removal.** Co dominance of tree trunks. Major limb damage. Poor structure and bent leaders. Stub cuts observed with decay. Limbs and co-dominant trunks extend over roadway and sidewalk. Tree found in poor condition with significant decay of trunk and included bark. Canopy adjacent to power lines and has been severely trimmed.

Tree 8 Royal Poinciana (*Delonix regia*): Station Number Between 33 - 34 - Photos - 12 - 14.  
**Recommend structural trimming and follow-up inspections.** Co dominance of major tree trunks with poor structure of leaders. Decay observed in trunk with cavity observed. Limbs also contain major damage and most extend over roadway and sidewalk. Tree found in fair to poor condition.

**In my opinion all eight (8) trees observed along this corridor, during this days assessment, have overall poor health with many deficiencies and over trimming from FPL contractor adjacent to power lines. Therefore all trees observed during this field visit pose a potential hazard near active roadways and pedestrian sidewalks. Also trees found are not Right Tree for the Right Place, and location is a major consideration when determining removal. At a minimum, if not totally removed, all trees require significant structural pruning.**

**William Mohler III  
 ISA Certified Arborist  
 FL-6601A**

TITLE / FIRM		
William Mohler III, CA	Env/ Miller Legg	

<b>CHANGE ORDER DAYS</b> 0	<b>START DAY:</b>	<b>CALENDAR DAYS REMAINING:</b>
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**Photo #1: Tree 1. View of overall tree. Branches extend over roadway and sidewalk.**



**Photo #2: Tree 1. View of overall tree. Major leader over sidewalk.**



**Photo #3: Tree 1. View of decay in branch.**



**Photo #4: Tree 1. Large root girdling around more than 35 % of trunk.**



**Photo #5: Tree 1. Major damage to trunk and decay found.**



**Photo #6: Tree 2. View of overall tree. Branches extend over roadway and sidewalk. Damage to limb hanging over roadway observed.**



**Photo #7: Tree 2. View of overall tree facing south. Large branches hanging over sidewalk and resident driveway. Major limb damage from FPL trimming.**



**Photo #8: Tree 2. Major damage to trunk and decay observed.**



**Photo #9: Tree 2. Major limb damage observed over roadway.**



**Photo #10: Tree 2. Major trunk damage observed with included bark. Decay observed.**



**Photo #11: Tree 2. Root constriction due to sidewalk and roadway.**



**Photo #12: Tree 8. Royal Poinciana tree overall view.**



**Photo #13: Tree 8. Large limb observed over roadway.**



**Photo #14: Tree 8. Decay observed.**



**Photo #15: Tree 3. Six foot stub cut observed.**



**Photo #16: Tree 3. Stub cut observed requiring removal.**



**Photo #17: Tree 3. Significant damage to co dominant trunk observed.**



**Photo #18: Tree 4. Overall view of tree. Facing west.**



**Photo #19: Tree 4. Major decay observed.**



**Photo #20: Tree 4. Facing south. Bent leader observed.**



**Photo #21: Tree 4. Severe pruning from power lines.**



**Photo #22: Tree 5. Overall view of tree facing west.**



**Photo #23: Tree 5. Overall view of tree facing south.**



**Photo #24: Tree 5. Stub cut and trunk damage observed.**



**Photo #25: Tree 5. View of poor structure.**



**Photo #26: Tree 6. Overall view of tree. Facing north.**



**Photo #27: Tree 6. Overall view of tree. Facing west.**



**Photo #28: Tree 6. Major limb damage observed.**



**Photo #29: Tree 7. Overall view of tree. View south.**



**Photo #30: Tree 7. Trunk damage observed.**



**Photo #31: Tree 7. Major limb damage observed.**



**Photo #32: Tree 7. Damaged canopy observed from trimming adjacent to powerlines.**