



Arborist Report

10/22/2021

Neal Deputy
Neal Deputy Architect PC
1446 Jefferson Ave
Miami Beach, FL 33139

Dear Neal,

as requested by you I inspected the site 622 15th Street, Miami Beach, FL 33139 in order to document the trees and palms growing on the property and review the proposed construction in regards to existing trees.

Rituparna Simlai provided me with a property survey, I used this survey's numbering of the locations, added and moved positions where I found inconsistencies. You explained the proposed construction to me on site. The majority of the work will take place in the back part of the property where an existing building is to be demolished and replaced.

Inspection:

I visited the site on October 22nd 2021 and found 14 (#1, 1A, 2-12) trees, palms and palm cluster /groups of palms growing on the property. Some trees and palms grow on the adjacent properties. Aside from Christmas Palms, *Adonidia merillii* on the property to the east there are 3 Chinese Fan Palms, *Livistona chinensis* on the property to the west. Along this fence-line there is a number of Weeping Fig, *Ficus benjamina* trees. Their locations indicate that they are part of an unmaintained hedge. *Ficus benjamina* are regarded as invasive trees and are listed as prohibited species by Miami-Dade county. There is some overhang of the crowns onto the property. The critical root zones of the adjacent trees and palms are beyond any proposed construction and are therefore not documented in this report (see attached pictures).

Utility lines run along the south-side of the property, in the vicinity of tree #12.

The trees on the property were measured for diameter at breast height and spread, the height was estimated by triangulation and the condition rated in 3 categories (poor, fair, good) - see attached tree table, tree location sketch and pictures.

Palms #8, #10 and #12 are in the direct vicinity of the demolition/ construction area. Palm #8 has nutritional deficiencies, a significant lean and is in poor condition. Palm #10 is in fair condition as is tree #12.

The vicinity of #12 to the construction area, its limited root space, vicinity to utility lines and species profile make it unsuitable for preservation or re-location.

I recommend removal of #8, #10, #12. A permit is necessary for the removal and mitigation requirements have to be considered.

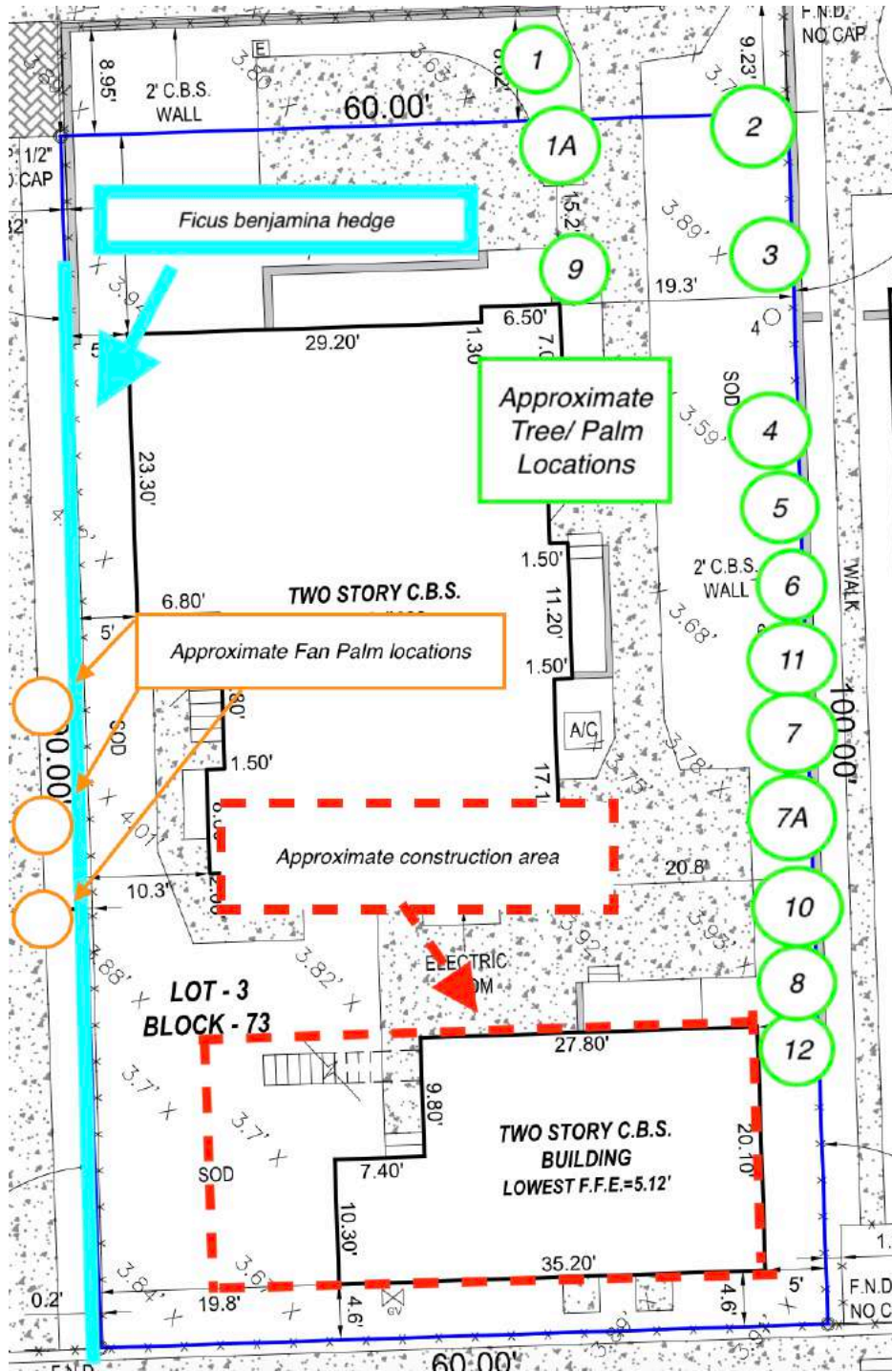
Sebastian Koerber

Board Certified Master Arborist (ISA GA-0009B)

Attachments: 1 tree table; 1 sketch of approximate tree locations; 12 pictures;

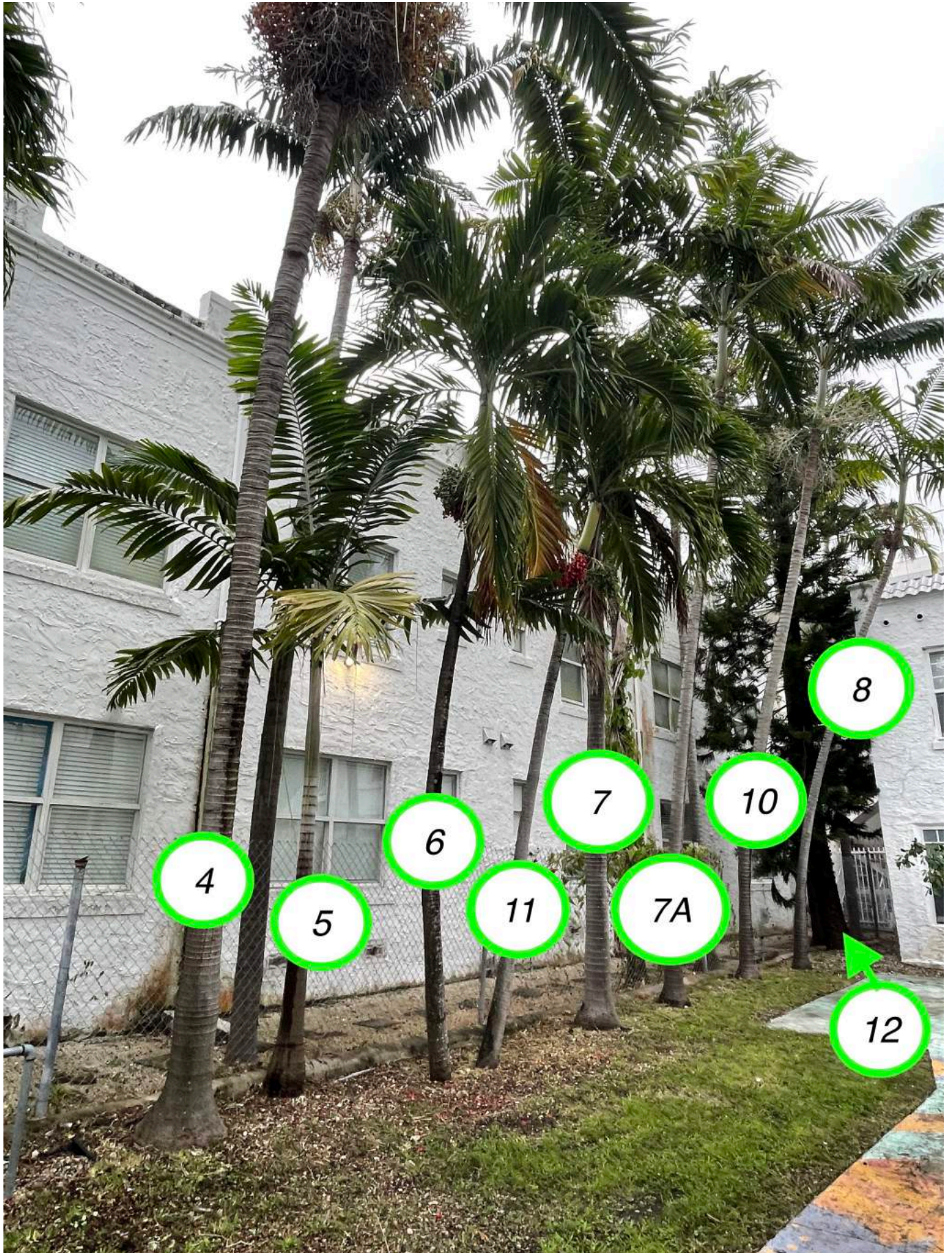
Tree Table

	Common Name	Scientific Name	DBH inch	Height feet	Spread feet	CRZ R-ft.	TPZ R-ft	Condition
#1	Canary Island Date Palm	<i>Phoenix canariensis</i>	15 (est.)	22	20	4	N.A.	Fair
#1A	Pygmy date Palm	<i>Phoenix roebelinii</i>	4	11	10	2	N.A.	Poor
#2	Bismarck Palm	<i>Bismarckia nobilis</i>	21	40	25	5	6	Good
#3	Christmas Palm	<i>Adonidia merillii</i>	18 (3)	25	15	3	4	Good
#4	Christmas Palm	<i>Adonidia merillii</i>	8	35	15	3	4	Good
#5	Christmas Palm	<i>Adonidia merillii</i>	5	20	15	3	4	Good
#6	Christmas Palm	<i>Adonidia merillii</i>	6	25	15	3	4	Good
#7	Christmas Palm	<i>Adonidia merillii</i>	6	25	15	3	4	Poor
#7A	Christmas Palm	<i>Adonidia merillii</i>	7	35	15	3	4	Good
#8	Christmas Palm	<i>Adonidia merillii</i>	6	25	15	3	4	Poor
#9	Pygmy date Palm	<i>Phoenix roebelinii</i>	7 (2)	10	12	2	N.A.	Fair
#10	Christmas Palm	<i>Adonidia merillii</i>	7	30	15	3	4	Fair
#11	Christmas Palm	<i>Adonidia merillii</i>	5	25	15	3	4	Good
#12	Norfolk Island Pine	<i>Araucaria heterophylla</i>	21	65	16	15	15	Fair



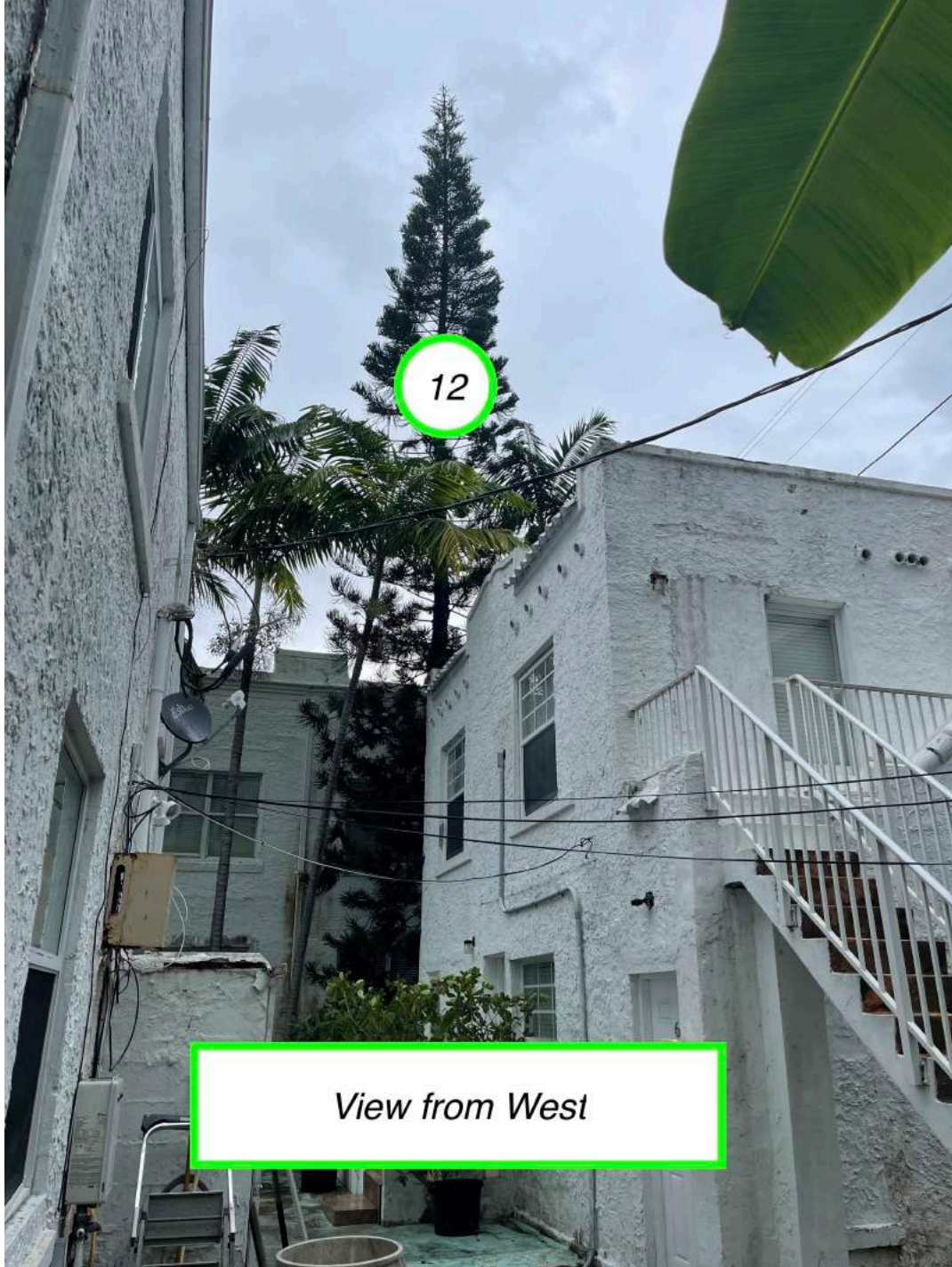






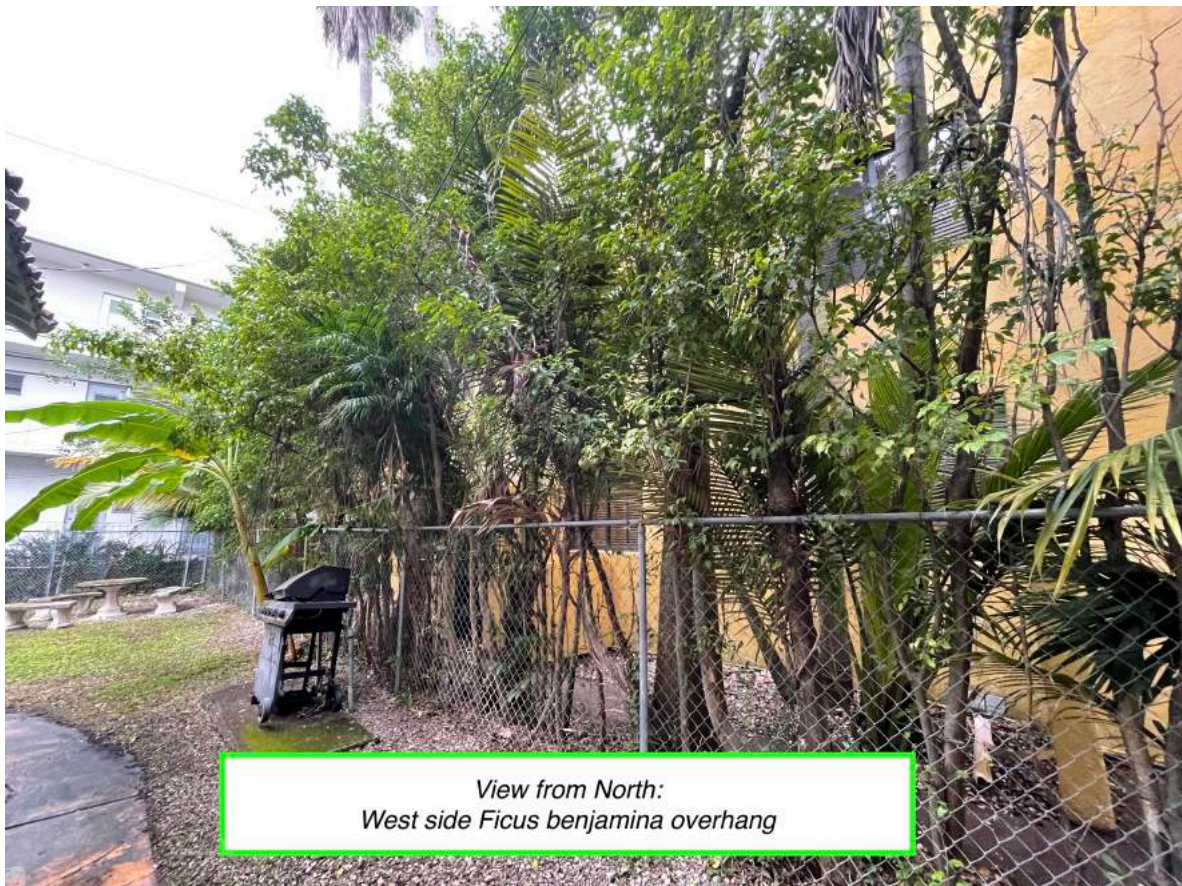








*View from South:
CRZ of Fan Palms on adjacent property are
not affected by proposed construction*



*View from North:
West side Ficus benjamina overhang*

