

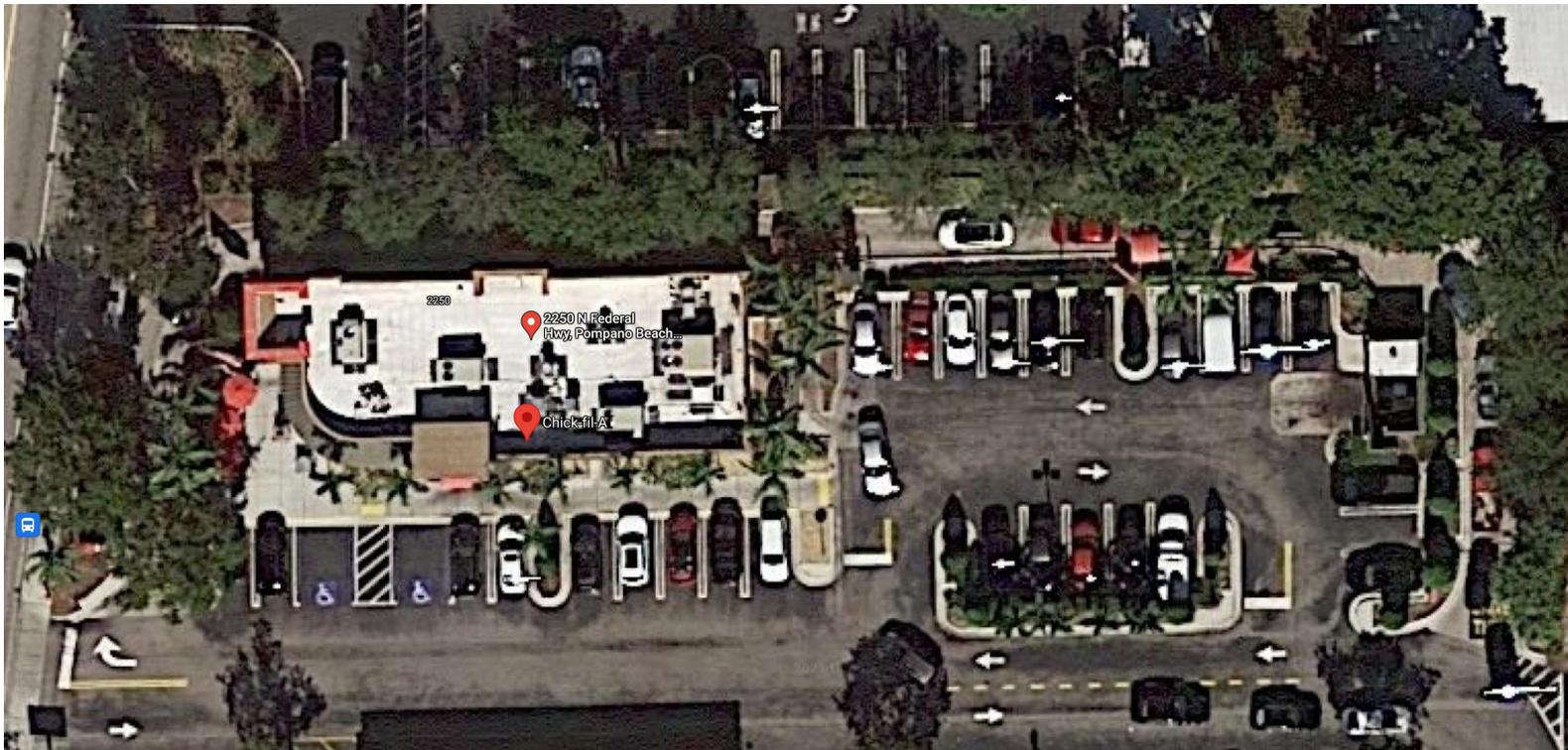
Chick-fil-A Tree Report

Submitted by:

Justin Rogers, ISA Certified Arborist FL-9547A
July 8, 2020

Site Address:

2250 N. Federal Hwy.
Pompano Beach, FL 33062



Horticultural Aspects, LLC
4613 N. University Dr.
Coral Springs, FL 33067
561-961-9122

P&Z

P&Z

Horticultural Aspects ◻

PZ21-16500001
9/22/21

PZ21-16500001
10/27/21

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Summary:

I was contact in February of 2021, by Ms. Jenny Baez of Bowman Consulting. They are proposing a consulting project for drive-through renovations at a restaurant in Pompano Beach, FL. It was agreed that I would asses and document the trees and potential construction impacts and to provide recommendations to manage the trees during construction.

The proposed construction could potentially impact a portion of the existing trees. Some of the existing trees, however, will not be impacted. Management steps should be implemented to maintain or improve the condition of the trees that will be retained.

I have performed my assessment and my subsequent recommendations are in the body of this report. I have attached a table at the end of this document that lists all 62 trees on property (Appendix A - Tree Table 1).

Introduction:

Background and History:

In February of 2021 I was contacted by Ms. Jenny Baez of Bowman Consulting. Bowman Consulting is involved in a project to expand the drive-through lane at the Chick-fil-A located at 2250 N. Federal Hwy. in Pompano Beach, Fl. The proposed work is expected to affect some of the trees on the property.

Assignment:

After discussing the scope of the project with the consulting team managed by Bowman Consulting, we agreed that my assignment was to:

- 1: Inventory and assess the condition of all trees on property;
- 2: Consider potential impacts to the trees during construction;
- 3: Note any precautions that should be taken during the construction process;
- 4: Attend meetings as requested to provide information throughout the approval process;
- 5: Provide on-site supervisor during construction activities impacting trees;
- 6: Document all this information in a written report;

Limits of the Assignment:

The trees were assessed from the ground. I did not perform any aerial inspections of the trees. My assessments are limited to the condition of the trees at the time of my inspection on July 1, 2021. No tree risk assessment was performed and is not included in the scope of work.

Purpose and Use of the Report:

The purpose of this report is to assess and provide tree care recommendations for the trees during the construction phase of the project.

The report documents this information and is intended to be used by the Bowman consulting team as the proposed construction plan moves forward.

Observations:

Site Description:

The property is located on N. Federal Hwy. in Pompano Beach, FL. in a commercially zoned area. The parking lot has a shared drive with neighboring businesses. The drive-through lane wraps around the east, north, and west sides of the property. The attached tree survey can be referenced for all tree locations (appendix B - Tree Survey).

The 62 total trees on property can be grouped into four areas.

Group 1: Trees **1-24, 61, and 62** are located along the outer perimeter of the drive-through.

Group 2: Trees **25-35** are located along the inner perimeter of the drive-through.

Group 3: Trees **36-46** are located in the parking lot adjacent to the drive-through.

Group 4: Trees **47-60** are located in other areas, away from any proposed construction.

The vast majority of the 62 trees are in fair to good to excellent condition. The upper canopy trees appear to have been maintained and the palm trees do not show signs of nutrient deficiency, as is common on many commercial properties. There are, however, a number of East Palatka Holly trees (*Ilex x attenuata*) that have been sheered into a topiary form and no longer have a natural shape.

Discussion:

As per the most recent site plan (Appendix C - Proposed Site Plan), the proposed drive-through addition has been designed in a way to impact the existing trees as little as possible. Group 1 trees will be minimally impacted, although an established tree protection zone (TPZ) will still be required and light pruning may still be needed to accommodate the installation of a shade canopy over the drive-through lanes.

The proposed site plan shows group 2 trees will be impacted as the proposed expansion will be added to the inner perimeter of the existing drive-through. The trees in group 3 will also be

impacted as the drive-through expansion will encroach on the existing parking lot adjacent to the drive-through lane. Per the site plan, most of the trees in group 2 will be eliminated, with the exception of tree 29. Additionally, in group 3, trees will 36, 40, and 46 will be eliminated as part of the new parking-lot configuration.

Additionally, Groups 2 and 3 have trees that will remain adjacent to trees that will be removed. It is important that the construction activities do not negatively impact any trees noted to remain. When trees are located within the construction zones, attention should be given to properly care for the tree, including the root zone.

Recommendations:

Based on my assessment of the property and proposed scope of work, I have the following recommendations to care for these trees during the construction phase.

1: Installation of tree protection fencing for all remaining trees that may potentially be impacted by construction activities. A TPZ should be installed around all remaining trees in groups 1, 2 and 3. See Appendix D, Tree Protection Zone Details.

2: Trees in group 1 that conflict with the new shade canopies in the drive-through lane should be pruned to provide clearance in accordance with ANSI A300 Part 1- 2017 Pruning and accompanying Best Management Practices. Pruning should be performed by or under the supervision of an ISA Certified Arborist.

3: Any work within the TPZ should be performed by hand and any impact to any tree's root zone within the TPZ should be performed by or under the supervision of an ISA Certified arborist and in accordance with ANSI A300 Part 8 - 2013 Root Management and accompanying Best Management Practices. Selective root pruning should be implemented whenever possible and especially within the TPZ.

4: If roots within the TPZ require pruning, I recommend using an air excavation device (AED) to assess the tree's root system prior to pruning.

5: Remove and replace the remaining East Palatka Holly trees which have been sheered into topiaries (trees 39, 45, 60) to be consistent with the new landscape material to be installed.

6: Develop and implement a soil care and fertilization program for all landscape plants and trees to be repainted.

7: Install a 2-4 inch layer of high-quality hardwood mulch to retain moisture within the root zone and improve soil conditions.



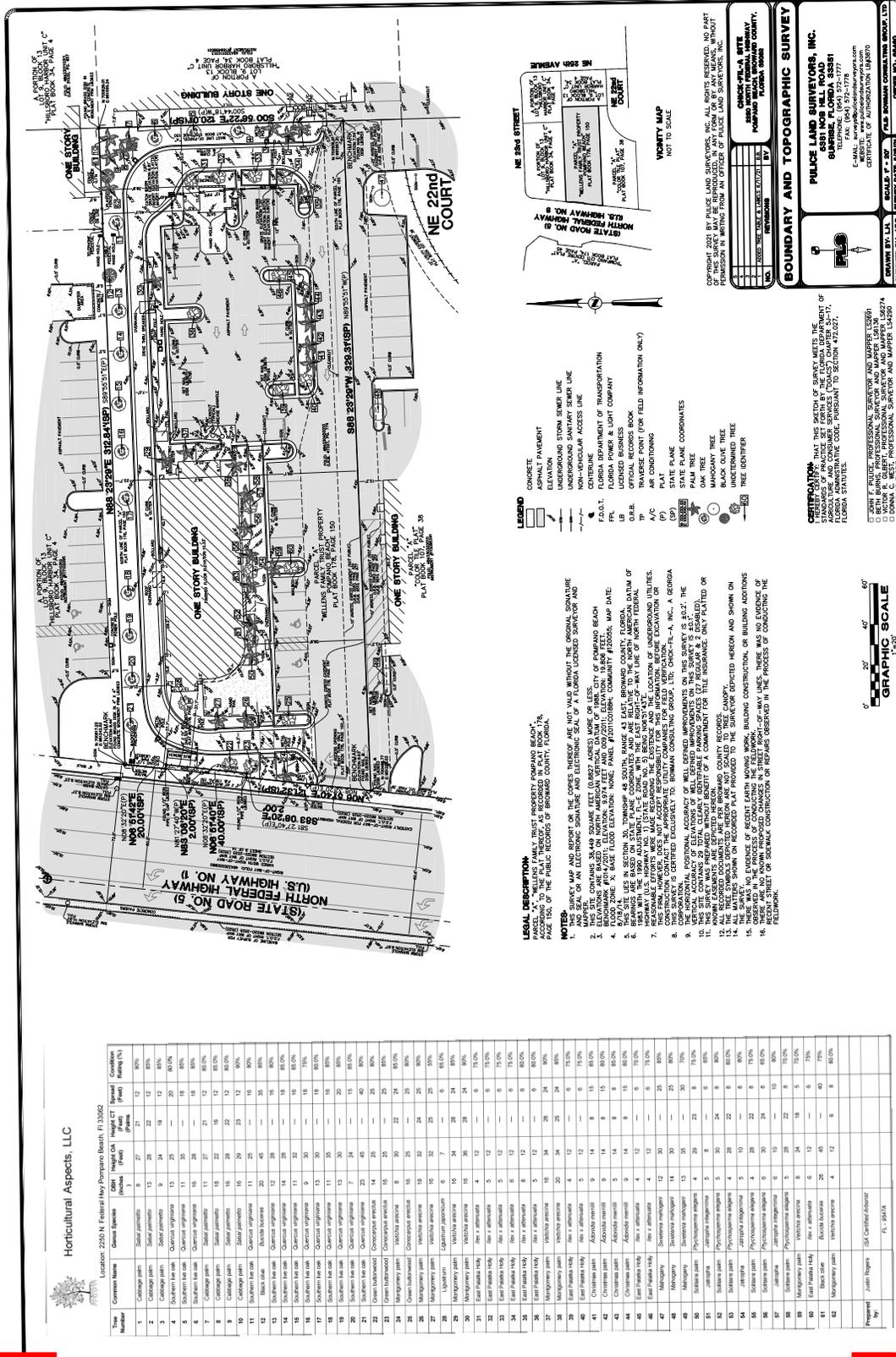
Horticultural Aspects, LLC

Location: 2250 N. Federal Hwy Pompano Beach, FL 33062

Appendix A - Tree Table 1

Tree Number	Common Name	Genus Species	DBH (Inches)	Height OA (Feet)	Height CT (Feet) (Palms Only)	Spread (Feet)	Condition Rating (%)	Price per Foot CT or per Inch DBH (\$)	Appraised Value (\$)	Disposition
1	Cabbage palm	<i>Sabal palmetto</i>	8	27	21	12	90%	\$25.00	\$472.50	Remain
2	Cabbage palm	<i>Sabal palmetto</i>	13	28	22	12	85%	\$25.00	\$467.50	Remain
3	Cabbage palm	<i>Sabal palmetto</i>	9	24	19	12	85%	\$25.00	\$403.75	Remain
4	Southern live oak	<i>Quercus virginiana</i>	13	25	—	20	80.0%	\$525.00	\$5460.00	Remain
5	Southern live oak	<i>Quercus virginiana</i>	11	35	—	18	85%	\$525.00	\$4908.75	Remain
6	Southern live oak	<i>Quercus virginiana</i>	16	28	—	18	85%	\$525.00	\$7140.00	Remain
7	Cabbage palm	<i>Sabal palmetto</i>	11	27	21	12	80.0%	\$25.00	\$420.00	Remain
8	Cabbage palm	<i>Sabal palmetto</i>	18	22	16	12	85.0%	\$25.00	\$340.00	Remain
9	Cabbage palm	<i>Sabal palmetto</i>	16	28	22	12	80.0%	\$25.00	\$440.00	Remain
10	Cabbage palm	<i>Sabal palmetto</i>	16	29	23	12	90%	\$25.00	\$517.50	Remain
11	Southern live oak	<i>Quercus virginiana</i>	11	25	—	16	90%	\$525.00	\$5197.50	Remain
12	Black olive	<i>Bucida buceras</i>	20	45	—	35	85%	\$220.00	\$3740.00	Remain
13	Southern live oak	<i>Quercus virginiana</i>	12	28	—	16	80%	\$525.00	\$5040.00	Remain
14	Southern live oak	<i>Quercus virginiana</i>	14	28	—	18	85.0%	\$525.00	\$6247.50	Remain
15	Southern live oak	<i>Quercus virginiana</i>	11	32	—	16	85.0%	\$525.00	\$4908.75	Remain
16	Southern live oak	<i>Quercus virginiana</i>	9	30	—	18	75%	\$525.00	\$3543.75	Remain
17	Southern live oak	<i>Quercus virginiana</i>	13	30	—	18	80.0%	\$525.00	\$5460.00	Remain
18	Southern live oak	<i>Quercus virginiana</i>	11	35	—	16	85%	\$525.00	\$4908.75	Remain
19	Southern live oak	<i>Quercus virginiana</i>	13	30	—	20	85%	\$525.00	\$5801.25	Remain
20	Southern live oak	<i>Quercus virginiana</i>	7	24	—	15	85.0%	\$525.00	\$3123.75	Remain
21	Southern live oak	<i>Quercus virginiana</i>	23	45	—	40	80%	\$525.00	\$9660.00	Remain
22	Green buttonwood	<i>Conocarpus erectus</i>	14	25	—	25	80%	\$460.00	\$5152.00	Remain
23	Green buttonwood	<i>Conocarpus erectus</i>	16	25	—	25	85%	\$460.00	\$6256.00	Remain
24	Montgomery palm	<i>Veitchia arecina</i>	8	30	22	24	85.0%	\$40.00	\$748.00	Remain
25	Green buttonwood	<i>Conocarpus erectus</i>	16	25	—	25	80%	\$460.00	\$5888.00	Remove
26	Montgomery palm	<i>Veitchia arecina</i>	18	32	24	25	90%	\$40.00	\$864.00	Remove
27	Montgomery palm	<i>Veitchia arecina</i>	16	32	25	25	55%	\$40.00	\$550.00	Remove
28	Ligustrum	<i>Ligustrum japonicum</i>	6	7	—	6	65.0%	\$125.00	\$487.50	Remove
29	Montgomery palm	<i>Veitchia arecina</i>	16	34	26	24	85%	\$40.00	\$884.00	Remain
30	Montgomery palm	<i>Veitchia arecina</i>	16	36	28	24	90%	\$40.00	\$1008.00	Remove
31	East Palatka Holly	<i>Ilex x attenuata</i>	4	12	—	6	75.0%	\$230.00	\$690.00	Remove
32	East Palatka Holly	<i>Ilex x attenuata</i>	5	12	—	6	75.0%	\$230.00	\$862.50	Remove
33	East Palatka Holly	<i>Ilex x attenuata</i>	5	12	—	6	75.0%	\$230.00	\$862.50	Remove
34	East Palatka Holly	<i>Ilex x attenuata</i>	6	12	—	6	75.0%	\$230.00	\$1035.00	Remove
35	East Palatka Holly	<i>Ilex x attenuata</i>	8	12	—	6	80.0%	\$230.00	\$1472.00	Remove
36	East Palatka Holly	<i>Ilex x attenuata</i>	5	12	—	6	80.0%	\$230.00	\$920.00	Remove
37	Montgomery palm	<i>Veitchia arecina</i>	16	34	26	24	90%	\$40.00	\$936.00	Remain
38	Montgomery palm	<i>Veitchia arecina</i>	20	34	25	24	85%	\$40.00	\$850.00	Remain
39	East Palatka Holly	<i>Ilex x attenuata</i>	4	12	—	6	75.0%	\$230.00	\$690.00	Remain
40	East Palatka Holly	<i>Ilex x attenuata</i>	5	12	—	6	75.0%	\$230.00	\$862.50	Remove
41	Christmas palm	<i>Adonia merrilli</i>	9	14	8	15	85.0%	\$32.00	\$217.60	Remain
42	Christmas palm	<i>Adonia merrilli</i>	9	14	8	15	80.0%	\$32.00	\$204.80	Remain
43	Christmas palm	<i>Adonia merrilli</i>	5	14	8	8	85.0%	\$32.00	\$217.60	Remain
44	Christmas palm	<i>Adonia merrilli</i>	9	14	8	15	80.0%	\$32.00	\$204.80	Remain
45	East Palatka Holly	<i>Ilex x attenuata</i>	4	12	—	6	70.0%	\$230.00	\$644.00	Remain
46	East Palatka Holly	<i>Ilex x attenuata</i>	4	12	—	6	75.0%	\$230.00	\$690.00	Remove
47	Mahogany	<i>Swietenia mahogani</i>	12	30	—	25	85%	\$345.00	\$3519.00	Remain
48	Mahogany	<i>Swietenia mahogani</i>	14	30	—	25	80%	\$345.00	\$3864.00	Remain
49	Mahogany	<i>Swietenia mahogani</i>	13	35	—	30	70%	\$345.00	\$3139.50	Remain
50	Solitaire palm	<i>Ptychosperma elegans</i>	4	29	23	8	75.0%	\$30.00	\$517.50	Remain
51	Jatropha	<i>Jatropha integerrima</i>	5	8	—	6	65%	\$115.00	\$373.75	Remain
52	Solitaire palm	<i>Ptychosperma elegans</i>	5	30	24	8	80%	\$30.00	\$576.00	Remain
53	Solitaire palm	<i>Ptychosperma elegans</i>	4	28	22	8	80.0%	\$30.00	\$528.00	Remain
54	Jatropha	<i>Jatropha integerrima</i>	5	10	—	8	80%	\$115.00	\$460.00	Remain
55	Solitaire palm	<i>Ptychosperma elegans</i>	4	28	22	8	75.0%	\$30.00	\$495.00	Remain
56	Solitaire palm	<i>Ptychosperma elegans</i>	6	30	24	8	65.0%	\$30.00	\$468.00	Remain
57	Jatropha	<i>Jatropha integerrima</i>	6	10	—	10	80%	\$115.00	\$552.00	Remain
58	Solitaire palm	<i>Ptychosperma elegans</i>	5	28	22	8	70.0%	\$30.00	\$462.00	Remain
59	Montgomery palm	<i>Veitchia arecina</i>	8	24	18	5	70.0%	\$40.00	\$504.00	Remove
60	East Palatka Holly	<i>Ilex x attenuata</i>	6	12	—	6	75%	\$230.00	\$1035.00	Remove
61	Black olive	<i>Bucida buceras</i>	28	45	—	40	75%	\$220.00	\$4620.00	Remain
62	Montgomery palm	<i>Veitchia arecina</i>	4	12	6	8	80.0%	\$40.00	\$192.00	Remain
Prepared by:	Justin Rogers	ISA Certified Arborist								
		FL - 9547A								

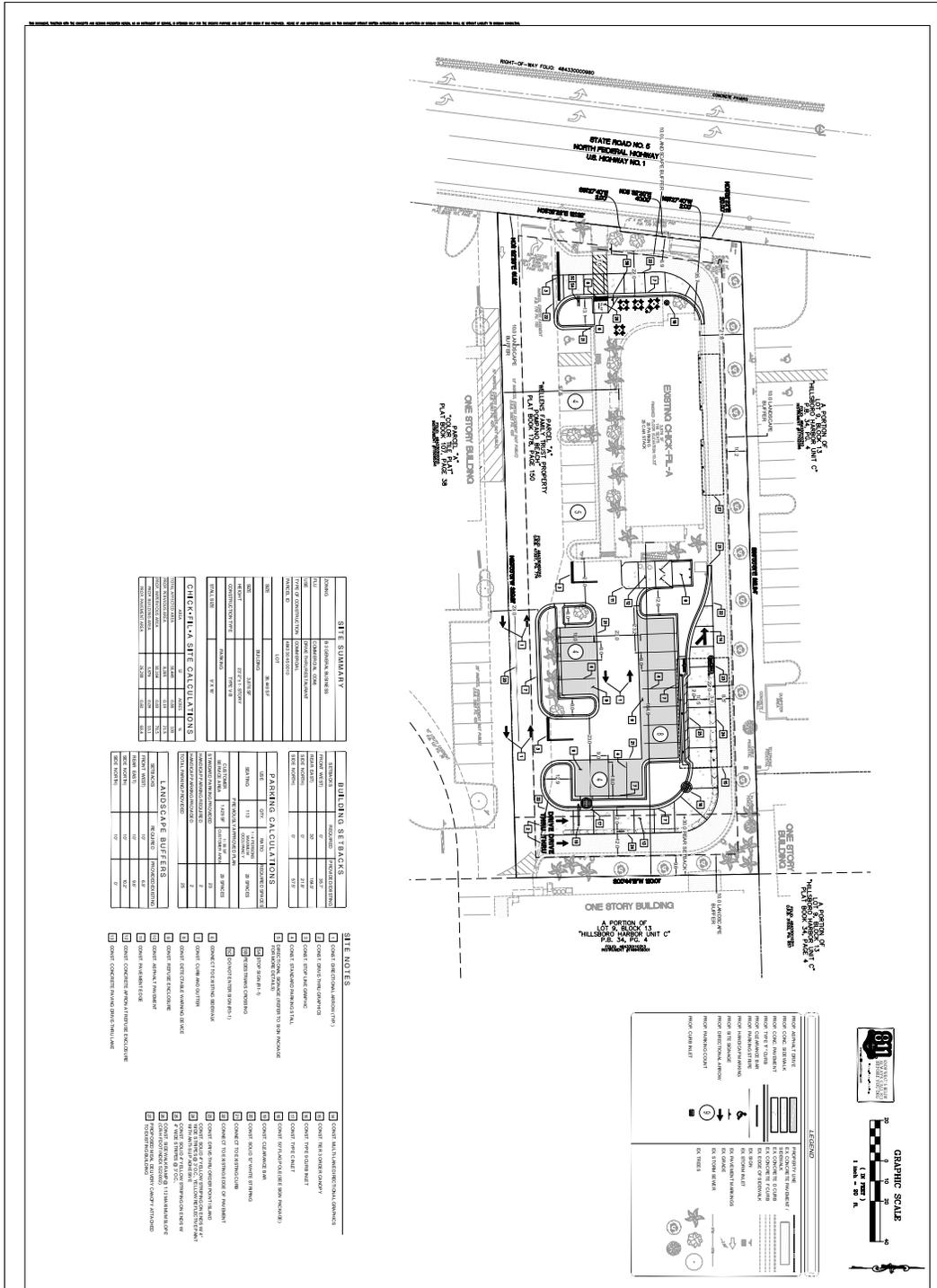
Appendix B - Tree Survey



Horticultural Aspects, LLC

Tree Number	Common Name	Genus Species	DBH (inches)	Height (ft)	Spread (Feet)	Condition Rating (%)	
1	Caribbean palm	Roystonea regia	8	27	21	12	80%
2	Caribbean palm	Roystonea regia	13	28	22	12	75%
3	Caribbean palm	Roystonea regia	15	28	22	12	80%
4	Caribbean palm	Roystonea regia	15	28	22	12	80%
5	Caribbean palm	Roystonea regia	15	28	22	12	80%
6	Caribbean palm	Roystonea regia	16	28	22	12	80%
7	Caribbean palm	Roystonea regia	11	27	21	12	80%
8	Caribbean palm	Roystonea regia	15	28	22	12	80%
9	Caribbean palm	Roystonea regia	15	28	22	12	80%
10	Caribbean palm	Roystonea regia	15	28	22	12	80%
11	Caribbean palm	Roystonea regia	11	25	20	12	80%
12	Black oak	Quercus laevis	20	45	—	15	80%
13	Southern live oak	Quercus virginiana	12	35	—	15	80%
14	Southern live oak	Quercus virginiana	12	35	—	15	80%
15	Southern live oak	Quercus virginiana	11	35	—	15	80%
16	Southern live oak	Quercus virginiana	9	35	—	15	75%
17	Southern live oak	Quercus virginiana	13	30	—	15	80%
18	Southern live oak	Quercus virginiana	11	30	—	15	80%
19	Southern live oak	Quercus virginiana	13	30	—	15	80%
20	Southern live oak	Quercus virginiana	13	30	—	15	80%
21	Southern live oak	Quercus virginiana	13	30	—	15	80%
22	Coastal live oak	Quercus virginiana	14	25	—	15	80%
23	Coastal live oak	Quercus virginiana	14	25	—	15	80%
24	Coastal live oak	Quercus virginiana	6	20	22	24	85%
25	Coastal live oak	Quercus virginiana	6	20	22	24	85%
26	Coastal live oak	Quercus virginiana	10	32	34	25	80%
27	Coastal live oak	Quercus virginiana	10	32	34	25	80%
28	Coastal live oak	Quercus virginiana	12	32	34	25	80%
29	Coastal live oak	Quercus virginiana	10	32	34	25	80%
30	Coastal live oak	Quercus virginiana	10	32	34	25	80%
31	Coastal live oak	Quercus virginiana	10	34	25	24	80%
32	East Palmetto live oak	Quercus virginiana	4	12	—	6	75%
33	East Palmetto live oak	Quercus virginiana	4	12	—	6	75%
34	East Palmetto live oak	Quercus virginiana	5	12	—	6	75%
35	East Palmetto live oak	Quercus virginiana	5	12	—	6	80%
36	East Palmetto live oak	Quercus virginiana	5	12	—	6	80%
37	East Palmetto live oak	Quercus virginiana	5	12	—	6	80%
38	East Palmetto live oak	Quercus virginiana	5	12	—	6	80%
39	East Palmetto live oak	Quercus virginiana	4	12	—	6	80%
40	East Palmetto live oak	Quercus virginiana	5	12	—	6	80%
41	Christiana palm	Chorizanthe floridana	9	14	8	15	80%
42	Christiana palm	Chorizanthe floridana	9	14	8	15	80%
43	Christiana palm	Chorizanthe floridana	9	14	8	15	80%
44	Christiana palm	Chorizanthe floridana	9	14	8	15	80%
45	Christiana palm	Chorizanthe floridana	9	14	8	15	80%
46	Christiana palm	Chorizanthe floridana	4	12	—	6	75%
47	Christiana palm	Chorizanthe floridana	4	12	—	6	75%
48	Christiana palm	Chorizanthe floridana	4	12	—	6	75%
49	Christiana palm	Chorizanthe floridana	4	12	—	6	75%
50	Christiana palm	Chorizanthe floridana	4	12	—	6	75%
51	Christiana palm	Chorizanthe floridana	4	12	—	6	75%
52	Christiana palm	Chorizanthe floridana	5	8	—	6	80%
53	Christiana palm	Chorizanthe floridana	5	8	—	6	80%
54	Christiana palm	Chorizanthe floridana	4	20	22	8	80%
55	Christiana palm	Chorizanthe floridana	4	20	22	8	80%
56	Christiana palm	Chorizanthe floridana	5	20	22	8	80%
57	Christiana palm	Chorizanthe floridana	5	20	22	8	80%
58	Christiana palm	Chorizanthe floridana	5	20	22	8	80%
59	Christiana palm	Chorizanthe floridana	5	20	22	8	80%
60	Christiana palm	Chorizanthe floridana	5	20	22	8	80%
61	Christiana palm	Chorizanthe floridana	5	20	22	8	80%
62	Christiana palm	Chorizanthe floridana	4	12	8	6	80%

Appendix C - Proposed Site Plan



SITE SUMMARY

ADDRESS	2250 N. FEDERAL HWY.
CITY	POMPANO BEACH, FL
PROJECT NAME	CHICK-FIL-A
DATE	10/27/21
DESIGNER	P&Z
CLIENT	CHICK-FIL-A
PROJECT NO.	2483
SCALE	AS SHOWN
DATE	10/27/21
BY	[Signature]
CHECKED BY	[Signature]
APPROVED BY	[Signature]

BUILDING SETBACKS

SETBACK	REQUIREMENT	PROPOSED	COMMENTS
FRONT	10 FT.	10 FT.	
REAR	10 FT.	10 FT.	
SIDE	10 FT.	10 FT.	
ADJACENT	10 FT.	10 FT.	

PARKING CALCULATIONS

TYPE	NO. OF SPACES
STANDARD	100
COMPACT	50
TOTAL	150

LANDSCAPE SUEZERS

TYPE	NO. OF PLANTS
SCREENING	10
ACCENT	5
TOTAL	15

- SITE NOTES**
- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FLORIDA BUILDING CODE AND THE FLORIDA LANDSCAPE ARCHITECTURE CODE.
 - 2. THE PROPOSED LANDSCAPE SUEZERS SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FLORIDA LANDSCAPE ARCHITECTURE CODE.
 - 3. THE PROPOSED PARKING SPACES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.
 - 4. THE PROPOSED BUILDING SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

LEGEND

- EXISTING DRIVE
- PROPOSED DRIVE
- EXISTING SIDEWALK
- PROPOSED SIDEWALK
- EXISTING PARKING
- PROPOSED PARKING
- EXISTING LANDSCAPE
- PROPOSED LANDSCAPE
- EXISTING BUILDING
- PROPOSED BUILDING
- EXISTING UTILITY
- PROPOSED UTILITY

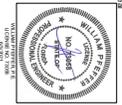
GRAPHIC SCALE

1" = 10' - 0"

FOR PERMIT
C-2.0

FSU# 2483
RECORDS SECTION
SUBDIVISION

CHICK-FIL-A
POMPANO BEACH
2250 NORTH FEDERAL HIGHWAY
POMPANO BEACH, FL 33062



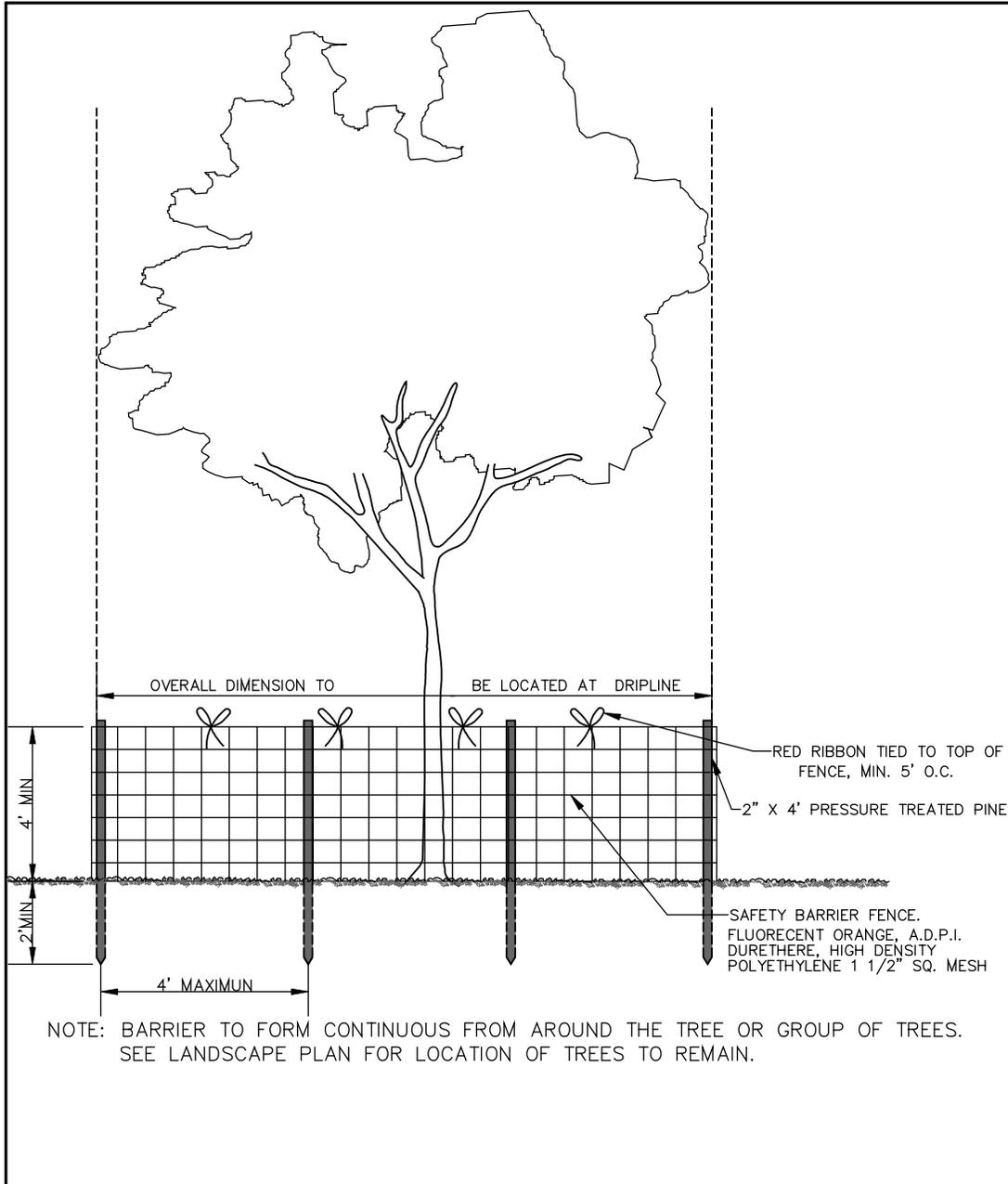
Bowman
5200 Burlington Rd.
Miami Gardens, FL 33054-2998
30349-2998



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Appendix D - Tree Protection Details



LANDSCAPE STANDARDS

REVISIONS		URBAN FORESTRY CITY OF POMPANO BEACH	TREE PROTECTION DETAIL	
BY	DATE		APPROVED BY:	DATE: APRIL 2010
TCW	APRIL 2010		DWG. NO.	
		SCALE: N.T.S.	104-1	
			URBAN FORESTER	

Appendix E - Appendix E Assumptions and Limiting Conditions

1: Any legal description provided to the consultant/appraiser is assumed to be correct. Any titles and ownership of the property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as though free and clear, under reasonable ownership and competent management.

2: Care has been taken to obtain all information from reliable sources. Ass data has been verified insofar as possible; however, the consultant/appraiser can neither guarantee nor be held responsible for the information provided by others.

3: Loss or alteration of any part of this report invalidates the entire report.

4: This report and values expressed here in represent the opinion of the consultant/appraiser, and the consultant's/appraiser's fee is in no way contingent upon the reporting of a specified value, a stipulated results, the occurrence of a subsequent event, nor upon any finding to be reported.

5: Unless expressed otherwise: (one) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; (two) the inspection is limited to visual examination of accessible items without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.

Appendix F - Certification of Performance

I, Justin Rogers, certify that:

- I have personally inspected the trees and the property referred to in this report and has stated my findings accurately. The extent of the evaluation or appraisal is stated in the attached report.
- I have no current or prospective interest in the vegetation of the property that is the subject of this report and I have no personal interest or bias with respect to the parties involved.
- The analysis, opinions, and conclusions stated here in our my own and are based on current scientific procedures and facts.
- My analysis, opinions, and conclusions developed in this report has been prepared according to commonly excepted arboricultural practice.
- My compensation is not contingent upon the reporting of a predetermined conclusion that favors the cause of the client or any other party nor upon the results of the assessment, the attainment of stipulated results, or the occurrence of any subsequent events.

I further certified that I am a member, in good standing, with the International Society of Arboriculture.

Signed:

