

TREE AND PALM PROTECTION NOTES:

- Before beginning work, the Contractor is required to meet with the Landscape Architect at the site to review all work procedures, access routes, storage areas, and tree protection measures.
- Fences shall be erected to protect trees to be preserved. Fences define a specific protection zone for each tree or group of trees. Fences are to remain until all site work has been completed. Fences may not be relocated or removed without the written permission of the Landscape Architect. Refer to Tree & Palms Protection Detail.
- Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
- All underground utilities and drain or irrigation lines shall be routed outside the tree protection zone. If lines must traverse the protection area, they shall be tunneled or bored under the tree.
- No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone (fenced area).
- Additional tree pruning required for clearance during construction must be performed by a qualified arborist and not by construction personnel.
- Any herbicides placed under paving materials must be safe for use around trees and labeled for that use. Any pesticides used on site must be tree-safe and not easily transported by water.
- If injury should occur to any tree during construction, it should be evaluated as soon as possible by the Landscape Contractor and the Landscape Architect should be notified immediately.
- Any grading, construction, demolition, or other work that is expected to encounter tree roots must be monitored by the Landscape Contractor.
- All trees shall be irrigated three times a week. Each irrigation procedure shall wet the soil within the tree protection zone to a depth of 30 inches.
- Erosion control devices such as silt fencing, debris basins, and water diversion structures shall be installed to prevent site erosion and siltation situations and/or erosion within the tree protection zones.
- Before grading, pad preparation, or excavation for foundations, footings, walls, or trenching near trees the trees shall be root pruned 12 inches outside the tree protection zone by cutting all roots cleanly to a depth of 36 inches. Roots shall be cut manually by digging a trench and cutting exposed roots with a saw, vibrating knife, rock saw, narrow trencher with sharp blades, or other approved root-pruning equipment.
- Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw.
- If temporary haul or access roads must pass over the root area of trees to be retained, a road bed of 6 inches of mulch or gravel shall be created to protect the soil. The road bed material shall be replenished as necessary to maintain a 6-inch depth.
- Spoil from trenches, basements, or other excavations shall not be placed within the tree protection zone, either temporarily or permanently.
- No burn piles or debris pits shall be placed within the tree protection zone. No ashes, debris, or garbage may be dumped or buried within the tree protection zone.
- Maintain fire-safe areas around fenced areas. Also, no heat sources, flames, ignition sources, or smoking is allowed near mulch or trees.

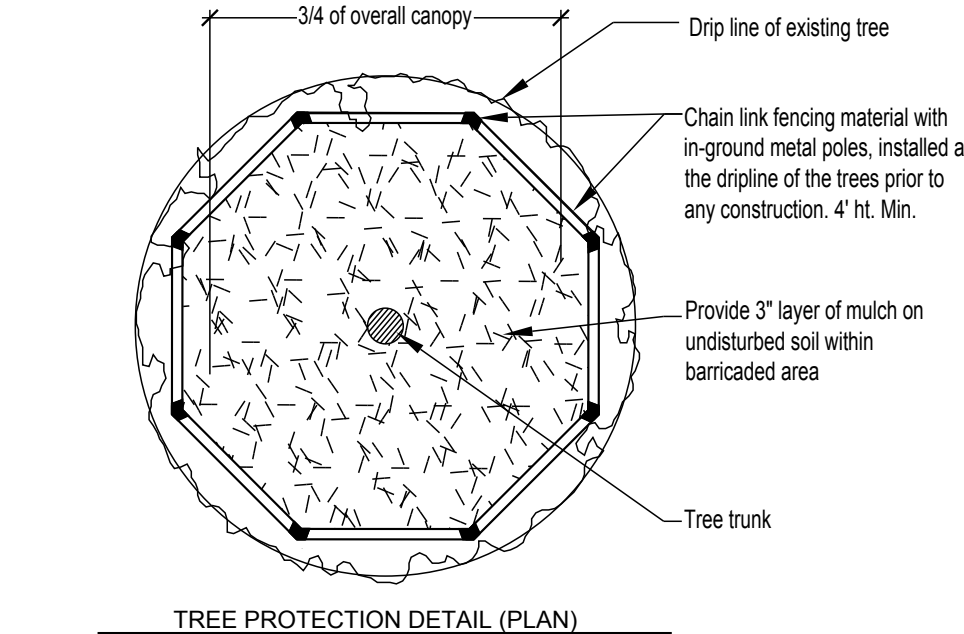
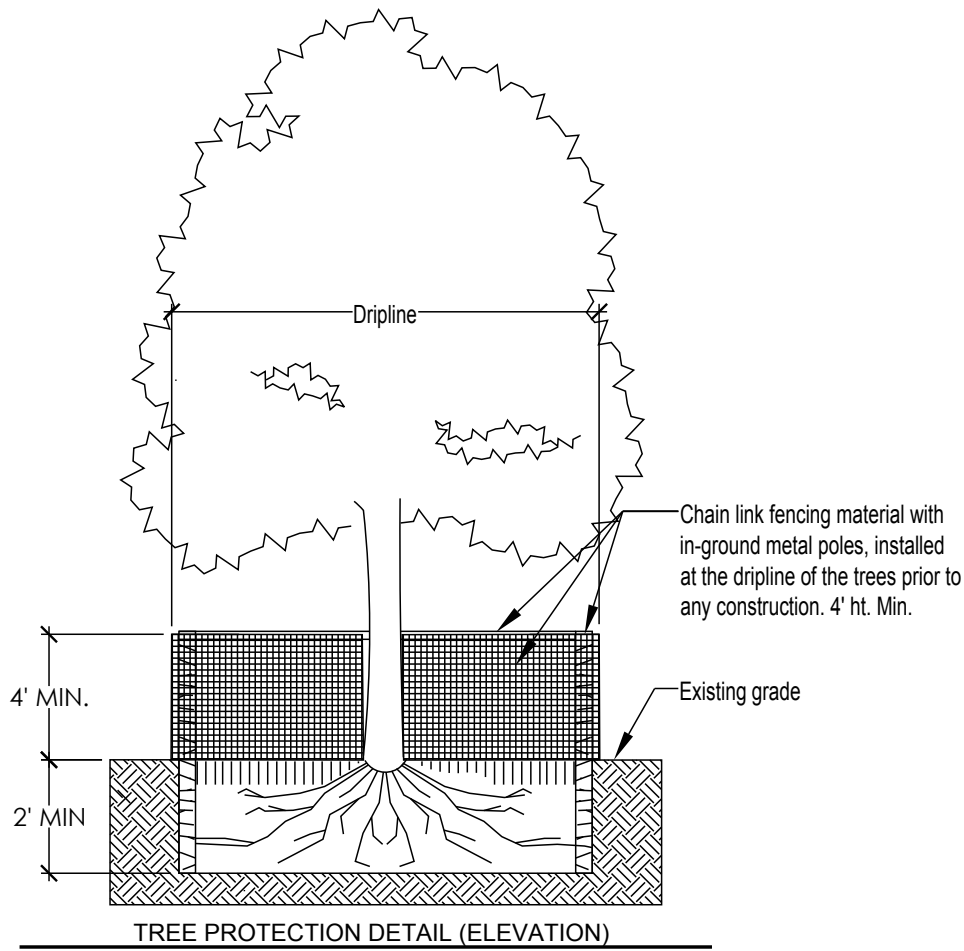
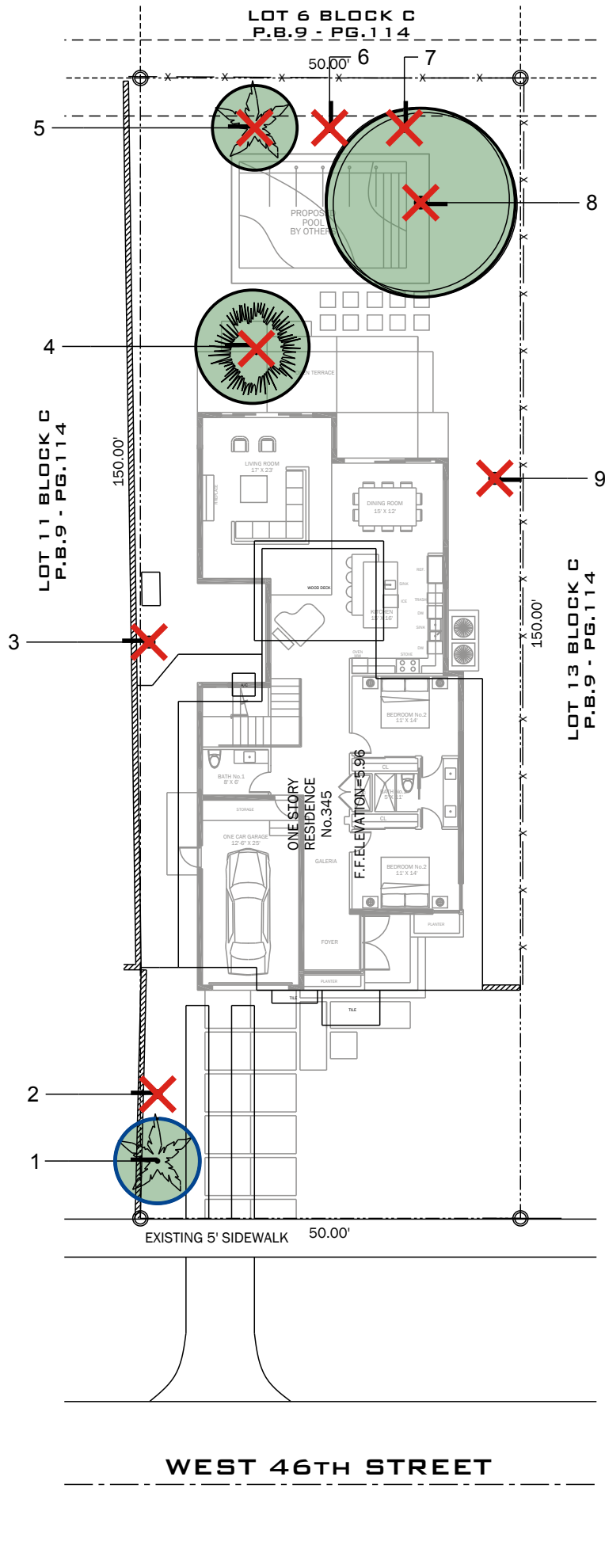
TREE DISPOSITION LEGEND



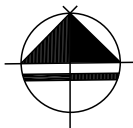
Existing tree or palm to be removed



Existing tree and palm to remain in their existing location and be protected, no construction or excavation shall be permitted within the dripline of the trees.



Existing Tree Disposition Plan 1" = 20'-0"

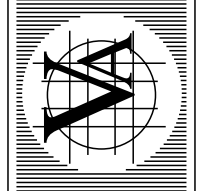


REVISIONS:

PROPOSED TWO STORY RESIDENCE FOR:
GUILLEMO HAMMEKEN
345 W 46 ST
MIAMI BEACH, FL 33140

ALL LANDSCAPE DATA INC.
DERICK LANGE
NO. LA6667045

VILLA & ASSOCIATES INC.
ARCHITECTURE - PLANNING - INTERIOR DESIGN
7344 SW 48 STREET - SUITE 201 - MIAMI, FLORIDA 33155
TEL. 305-661-8181 - FAX 305-661-8710 - E-Mail Villarchitect@att.net
CONSULTANT: ARCHI-TEK STUDIO CORP.
TEL. 305-799-8016 - E-Mail maguilar@architekstudio.com



DATE: 11-07-17
PROJECT NO:
DRAWING NO: L-1 OF 6

Existing Tree Disposition List - 4301 Prairie Residence										
NUMBER	BOTANICAL NAME	COMMON NAME	HEIGHT (FT)	SPREAD (FT)	DIAMETER DBH (IN)	TREE CANOPY (SF)	PALM CANOPY (SF)	CONDITION	ACTION	COMMENTS
1	<i>Wodyetia bifurcata</i>	Foxtail Palm	24	12	8		0	Good	Remain	
2	<i>Wodyetia bifurcata</i>	Foxtail Palm	16	0	8		0	Dead	Remove	Stump - no mitigation required
3	<i>Persea americana</i>	Avocado Tree	N/A	0	10	0		Dead	Remove	Large stump - no mitigation required
4	<i>Livistona chinensis</i>	Chinese Fan Palm	14	9	10 x 2		64	Fair	Remove	
5	<i>Veitchia montgomeryana</i>	Montgomery Palm	30	12	7		113	Fair	Remove	
6	<i>Veitchia montgomeryana</i>	Montgomery Palm	20	0	7		0	Dead	Remove	Stump - no mitigation required
7	<i>Veitchia montgomeryana</i>	Montgomery Palm	20	0	7		0	Dead	Remove	Stump - no mitigation required
8	<i>Mangifera indica</i>	Mango Tree	30	30	2 x 14	707		Fair	Remove	
9	<i>Persea americana</i>	Avocado Tree	N/A	0	10	0		Dead	Remove	Large stump - no mitigation required
						707	177			
TOTAL PROPOSED CANOPY LOSS (in square feet)						884				
All Shrubs/Vegetation Not Shown On This Schedule Are To Be Removed.										

TREE MAINTENANCE PLAN
DURING CONSTRUCTION

345 W 46th Street
Miami Beach, Fl 33140

- 1.0
- All trees to remain on-site shall be protected during construction as per the Tree Protection Standards provided.
- 2.0
- All trees to remain on-site shall be watered at standard rates at least two times per week unless more than 1/2" of rainfall occurs.
- 3.0
- All trees to remain on-site shall be fertilized three times per year using a granular 82-12 "Palm Special" product at standard rates. Fertilizer shall be broadcast on the ground beneath the canopy of each tree and watered in.
- 4.0
- Trees shall not be pruned unless they need to be cleared from construction areas. All pruning shall be done in accordance with the American National Standards Institute (ANSI)-A300 standards.

REVISIONS :					

PROPOSED TWO STORY RESIDENCE FOR:

GUILLERMO HAMMEKEN
345 W 46 ST
MIAMI BEACH, FL 33140

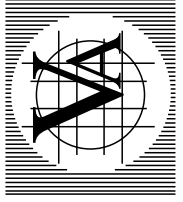
ALL LANDSCAPE DATA INC.

DERICK LANGEL
NO. LA6667045

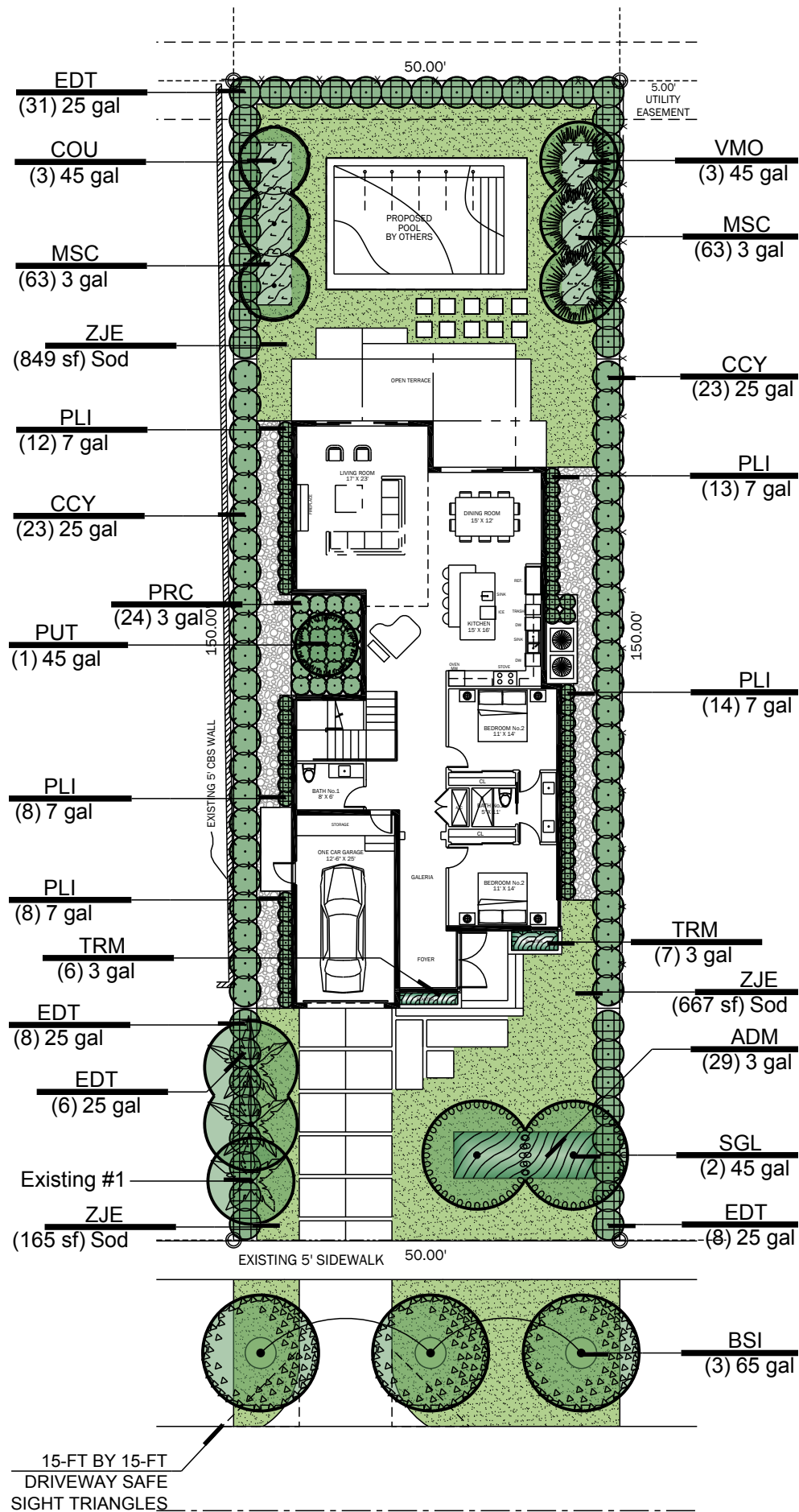
VILLA & ASSOCIATES INC.

ARCHITECTURE - PLANNING - INTERIOR DESIGN
7344 SW 48 STREET - SUITE 201 - MIAMI, FLORIDA 33155
TEL. 305-661-8181 - FAX 305-661-8710 - E-Mail Villarchitects@att.net

CONSULTANT : ARCHI-TEK STUDIO CORP.
TEL. 305-798-8016 - E-Mail maguilar@architekstudio.com



DATE: 11-07-17	SCALE:
PROJECT NO:	
DRAWING NO: L-2 OF 6	



Proposed Landscape Plan 1"=20'-0"

PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	DBH	HGT	SPRD	REMARKS
COU	3	Coccoloba uvifera	Sea Grape	45 gal	2.5"	12' OA	6'	STD - Florida Native - Miami-Dade Landscape Manual - Very Drought Tolerant
PUT	1	Pandanus utilis	Screw Pine	45 gal	2.5"	10' OA	8'	Miami-Dade Landscape Manual - Drought Tolerant
SGL	2	Simarouba glauca	Paradise Tree	45 gal	3"-4"	12'-14' OA	6'-8'	Florida Native - Miami-Dade Landscape Manual - Drought Tolerant
PALM TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	DBH	HGT	SPRD	REMARKS
VMO	3	Veitchia montgomeryana	Montgomery Palm	45 gal	5"	12' OA	10'	Double - Miami-Dade Landscape Manual
WBI	2	Wodyetia bifurcata	Foxtail Palm	FG		20'-22'	10'	Miami-Dade Landscape Manual
STREET TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	DBH	HGT	SPRD	REMARKS
BSI	3	Bursera simaruba	Gumbo Limbo	65 gal	3.5"	16' OA	6'	Florida Native - Miami-Dade Landscape Manual - Drought Tolerant
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HGT	SPRD	SPACING	REMARKS
CCY	46	Capparis cynophallophora	Jamaica Caper	25 gal	6' OA	3'-4'	48" o.c.	Florida Native - Miami-Dade Landscape Manual - Drought Tolerant
EDT	47	Elaeocarpus decipiens TM	Japanese Blueberry	25 gal	7' OA	4'	48" o.c.	
PRC	24	Philodendron x 'Rojo Congo'	Rojo Congo	3 gal	2'	2'	30" o.c.	
PLI	55	Psychotria ligustrifolia	Bahama Coffee	7 gal	2'	2'	24" o.c.	Florida Native - Miami-Dade Landscape Manual
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HGT	SPRD	SPACING	REMARKS
ADM	29	Asparagus 'Myers'	Myers Asparagus	3 gal	1'	1'	24" o.c.	
MSC	126	Microsorium scolopendrum	Wart Fern	3 gal			15" o.c.	
TRM	13	Trimezia martinicensis	Yellow Walking Iris	3 gal	2'	2'	18" o.c.	
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HGT	SPRD	SPACING	REMARKS
ZJE	1,681 sf	Zoysia japonica 'Empire'	Korean Grass	Sod				



COU-Sea Grape



PUT-Screw Pine



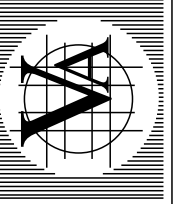
SGL-Paradise Tree

REVISIONS :					
-------------	--	--	--	--	--

PROPOSED TWO STORY RESIDENCE FOR:
GUILLERMO HAMMEKEN
345 W 46 ST
MIAMI BEACH, FL 33140

ALL LANDSCAPE DATA INC.
DERICK LANGEL
NO. LA6667045

VILLA & ASSOCIATES INC.
ARCHITECTURE - PLANNING - INTERIOR DESIGN
7344 SW 48 STREET - SUITE 201 - MIAMI, FLORIDA 33155
TEL. 305-661-8181 - FAX 305-661-8710 - E-Mail Villarchitect@att.net
CONSULTANT: ARCHI-TEK STUDIO CORP.
TEL. 305-799-8016 - E-Mail maguilar@architekstudio.com



DATE: 11-07-17
SCALE:
PROJECT NO:
DRAWING NO: L-3 OF 6

CITY OF MIAMI BEACH
LANDSCAPE LEGEND

INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS

Zoning District RS-4 Lot Area 7,500 SF Acres 0.17

OPEN SPACE

A. Square feet of required Open Space as indicated on site plan: Lot Area = <u>7,500</u> s.f.x <u>50</u> % = <u>3,750</u> s.f.	REQUIRED/ ALLOWED	PROVIDED
	<u>3,750</u>	<u>3,750</u>
B. Square feet of parking lot open space required as indicated on site plan: Number of parking spaces <u>N/A</u> x 10 s.f. parking space =	<u>N/A</u>	<u>N/A</u>
C. Total square feet of landscaped open space required: A+B=	<u>3,750</u>	<u>3,750</u>

LAWN AREA CALCULATION

A. Square feet of landscaped open space required	<u>3,750</u>	<u>3,750</u>
B. Maximum lawn area (sod) permitted= <u>50</u> % x <u>3,750</u> s.f.	<u>1,875</u>	<u>000</u>

TREES

A. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements= <u>5</u> trees x <u>N/A</u> net lot acres - number of existing trees=	<u>5</u>	<u>000</u>
B. % Natives required: Number of trees provided x 30% =	<u>2</u>	<u>000</u>
C. % Low maintenance / drought and salt tolerant required: Number of trees provided x 50%=	<u>3</u>	<u>000</u>
D. Street Trees (maximum average spacing of 20' o.c.) <u>50</u> linear feet along street divided by 20'=	<u>3</u>	<u>3</u>
E. Street tree species allowed directly beneath power lines: (maximum average spacing of 20' o.c.): <u>N/A</u> linear feet along street divided by 20'=	<u>N/A</u>	<u>N/A</u>

SHRUBS

A. Number of shrubs required: Sum of lot and street trees required x 12=	<u>96</u>	<u>172</u>
B. % Native shrubs required: Number of shrubs provided x 50%=	<u>86</u>	<u>101</u>

LARGE SHRUBS OR SMALL TREES

A. Number of large shrubs or small trees required: Number of required shrubs x 10%=	<u>10</u>	<u>93</u>
B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=	<u>46</u>	<u>46</u>



VMO-Montgomery Palm



BSI-Gumbo Limbo



CCY-Jamaica Caper



EDT-Japanese Blueberry



PRC-Rojo Congo



PLI-Bahama Coffee



ADM-Myers Asparagus



MSC-Wart Fern



TRM-Walking Iris

REVISIONS :						

PROPOSED TWO STORY RESIDENCE FOR:
GUILLELMO HAMMEKEN
345 W 46 ST
MIAMI BEACH, FL 33140

ALL LANDSCAPE DATA INC.

DERICK LANGE
NO. LA6667045

VILLA & ASSOCIATES INC.
ARCHITECTURE - PLANNING - INTERIOR DESIGN
7344 SW 48 STREET - SUITE 201 - MIAMI, FLORIDA 33155
TEL. 305-661-8710 - FAX 305-661-8710 - E-Mail Villarchitects@att.net

CONSULTANT : ARCHI-TEK STUDIO CORP.
TEL. 305-799-8016 - E-Mail maguilar@architekstudio.com



DATE: 11-07-17 SCALE:

PROJECT NO:

DRAWING NO: L-4 OF 6

NOTES:

1.

All mechanical equipment including, but not limited to Back Flow Preventor, Pumps, Electric, Phone or Cable Boxes, Lift Stations, Etc. shall be screened on 3 sides from view using an approved hedge, fence or wall.
2.

All light poles if any shown on plan shall be a minimum of 15' from tree locations.
3.

The Landscape Architect must be notified when the plant material has been set in place to approve final locations, prior to installation.

GENERAL NOTES

1.

Landscape Contractor is responsible for verifying locations of all underground and overhead utilities and easements prior to commencing work. All Utility companies and/or the General Contractor shall be notified to verify utility locations prior to digging. Utility trenching is to be coordinated with the Landscape plans prior to beginning of project. The Owner or Landscape Architect shall not be responsible for damage to utility or irrigation lines.
2.

Landscape Contractor shall examine the site and become familiar with conditions affecting the installation prior to submitting bids. Failure to do so shall not be considered cause for change orders.
3.

Landscape Contractor is responsible for verifying all plant quantities prior to bidding and within (7) seven calendar days of receipt of these plans shall notify the Landscape Architect in writing of any and all discrepancies. In case of discrepancies planting plans shall take precedence over plant list.
4.

No substitutions are to be made without prior consent of the Landscape Architect. Plant material supply is the responsibility of the Landscape Contractor, and he/she shall take steps to insure availability at time of planting.
5.

All plant material shall meet or exceed the size on the plant list. In all cases meeting the height and the spread specifications shall take precedence over container size.
6.

All planted areas to be outfitted with automatic irrigation system providing 100% coverage and 50% overlap. A rain sensor must be part of the irrigation system.
7.

Landscape Contractor shall be responsible for providing temporary hand watering to all proposed & landscape areas, during construction.
8.

The Landscape Contractor is responsible for coordinating tree and palm removals and transplants shown on the Tree/Palm Disposition Plan. The Landscape Contractor is to remove and discard from site existing unwanted trees, palms, shrubs, groundcover's, sod and weeds within landscape areas.
9.

All limestone shall be removed from planting beds prior to installation of plant material
10.

All permitting and fees to be the responsibility of the Contractor.

Landscape General Notes

PLANTING NOTES

1.

Landscape Contractor shall furnish and install all trees, palms, shrubs, groundcover, sod, planting soil, herbicide, preemergence herbicide, seed, and mulch. Landscape Contractor to provide Landscape Architect with at least 5 days notice prior to tree installation.
City Urban Forester and or Greenspace Management Division staff to approve all ROW trees, palms and plant material before it is planted to ensure Florida Grade No. 1 status
2.

Landscape Contractor shall guarantee all plant material for a period of one year from the day of final acceptance by the Landscape Architect.
3.

All plant material shall be Florida #1 or better, as defined in the Grades and Standards for Nursery Plants, Part I and II by the State of Florida Department of Agriculture.
4.

Landscape Contractor is responsible for scheduling a nursery visit for Landscape Architect to approve all trees, palms and shrubs prior to delivery to the project site. Any substitutions in size and/or plant material must be approved by the Landscape Architect, City Urban Forester and or applicable City Staff.
5.

Landscape Architect shall be notified 5 days min. prior nursery visit.
6.

Landscape Contractor shall coordinate his work with that of the Irrigation and Landscape Lighting Contractor.
7.

The Landscape Contractor shall treat planted areas with preemergence herbicide after weeds and grass have been removed. Landscape Contractor shall apply pre emergent herbicide per manufacturer's recommendation, wait period prior to planting as specified. Planting soil mix/backfill shall be clean and free of construction debris, weeds, rock and noxious pests and disease.
8.

All soil mix in plant beds for ground covers, shrubs, palms and trees shall be as per details. All other areas shall be dressed with a minimum of 4" topsoil "if required".
9.

All planting areas and planting pits shall be tested for sufficient percolation prior to final planting and irrigation installation to ensure proper drainage. Plant beds in parking lots and in areas compacted by heavy equipment shall be de-compacted so that drainage is not impeded.
10.

All synthetic burlap, string, cords or wire baskets shall be removed before trees are planted, without breaking the soil ball. All synthetic tape shall be removed from branches and trunks prior to final acceptance. The top 1/3 of natural burlap shall be removed, after the tree is set in the planting hole and before the tree is backfilled. Landscape Contractor is to check for root defects including deep planting in the root ball and circling roots, trees with root problems will not be accepted.
11.

Landscape Contractor is responsible for mulching all plant beds and planters with a minimum 3" layer of natural color Eucalyptus or Enviromulch immediately after planting. In no case shall Cypress mulch be used.
12.

All Trees/Palms in sod areas are to receive a 48" diameter mulched saucer at the base of the trunk respectively.
13.

Landscape Contractor shall guy and stake all trees and palms as per specifications and details. No nails, screws or wiring shall penetrate the outer surface of trees and palms. All guying and staking shall be removed twelve months after planting.
14.

All palm and tree guy wires and bracing are to be flagged for visibility, for their duration. All unattended and unplanted tree pits shall be properly barricaded and flagged during construction.
15.

All broken branches and clear trunk branches on street trees are to be pruned according to ANSI A - 300 Guidelines for Tree Pruning to min. 5' - 0" height clearance to the base of canopy.
16.

Landscape Contractor shall fertilize plant material as needed to support optimum healthy plant growth. All fertilization shall be performed in compliance with the latest ANSI A300 (Part 2) Standards.
17.

Stake all trees and palms for approval by Landscape Architect prior to installation. All guying and staking shall be removed from all trees and palms within twelve months after planting. Exceptions require written authorization from the City Urban Forester.
18.

Any sod areas damaged by construction are to be replaced with St. Augustine 'Floratam' sod.
19.

St. Augustine 'Floratam' - Contractor's responsibility to verify quantity.
20.

Install rootbarrier as per manufacturer's recommendation on all large trees that are 6' or closer to any pavement or building, as shown on details page.
21.

Root barrier shall be Vespro Inc. or approved equal.
22.

A final onsite inspection shall be required with Greenspace Management staff prior to any official acceptance of ROW plant material, in order to verify proper planting depth, spacing and quality of the material. Failure to conduct the inspection could result in rejection of the plant material.
23.

All trees and palms shall have a 1-year survival warranty starting from the date of final inspection.
24.

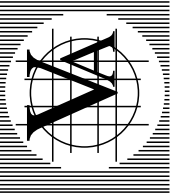
Landscape contractor is responsible for verifying location of all underground utilities and easements prior to commencing work. Landscape Contractor must proceed very carefully with the excavations, the Owner or Landscape Architect shall not be responsible for damage to utility lines.

REVISIONS :					

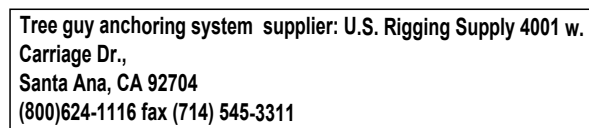
PROPOSED TWO STORY RESIDENCE FOR:	GUILLERMO HAMMEKEN
345 W 46 ST MIAMI BEACH, FL 33140	

ALL LANDSCAPE DATA INC.	DERICK LANGEL NO. LA6667045
----------------------------	--------------------------------

VILLA & ASSOCIATES INC.				
ARCHITECTURE	-	PLANNING	-	INTERIOR DESIGN
7344 SW 48 STREET		SUITE 201		MIAMI, FLORIDA 33155
TEL. 305-661-8181	-	FAX 305-661-8710	-	E-Mail Villarchitects@att.net
CONSULTANT : ARCHI-TEK STUDIO CORP.				
TEL. 305-799-8016 - E-Mail maguiliar@architekstudio.com				



DATE: 11-07-17	SCALE:
PROJECT NO:	
DRAWING NO: L-5 OF 6	



DATE: 11-07-17	SCALE:
PROJECT NO:	
DRAWING NO: L-6 OF 6	