



CITY OF MIAMI BEACH

LANDSCAPE LEGEND

INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS

Zoning District RS-3

Lot Area 14,127 S.F.

Acres 0.32

REQUIRED/ ALLOWED

PROVIDED

OPEN SPACE

A. Square feet of required Open Space as indicated on site plan:
Lot Area = 14,127 s.f. x 25 % = 3,532 s.f.

B. Square feet of parking lot open space required as indicated on site plan:
Number of parking spaces N/A x 10 s.f. parking space =

C. Total square feet of landscaped open space required: A+B=

3,532 S.F.

5,638 S.F.

N/A

5,638 S.F.

3,532 S.F.

5,638 S.F.

LAWN AREA CALCULATION

A. Square feet of landscaped open space required

B. Maximum lawn area (sod) permitted= 50 % x 5,538 s.f.

3,532 S.F.

5,538 S.F.

2,769 S.F.

2,696 S.F.

TREES

A. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements=

B. % Natives required: Number of trees provided x 30% =

C. % Low maintenance / drought and salt tolerant required:
Number of trees provided x 50% =

D. Street Trees (maximum average spacing of 20' o.c.):
31 linear feet along street divided by 20' =

E. Street tree species allowed directly beneath power lines:
(maximum average spacing of 20' o.c.):
N/A linear feet along street divided by 20' =

2

3

3

3

2

2

N/A

N/A

SHRUBS

A. Number of shrubs required: Sum of lot and street trees required x 12=

B. % Native shrubs required: Number of shrubs provided x 50% =

60

275

138

145

LARGE SHRUBS OR SMALL TREES

A. Number of large shrubs or small trees required: Number of required shrubs x 10% =

B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50% =

6

58

29

54

PLANT SCHEDULE								
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
CDI	2	Coccoloba diversifolia	Pigeon Plum	45 gal	3"	14' CT	6'	STD - Florida Native - Miami-Dade Landscape Manual - Drought Tolerant
DRY	2	Delonix regia 'Yellow'	Yellow Royal Poinciana	45 gal	3"-4"	12'-14' OA	6'-8'	Miami-Dade Landscape Manual
PALM TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT	DBH	HGT	SPRD	REMARKS
PCA	1	Phoenix canariensis	Canary Island Date Palm	3 gal	2"	14' CT	16'	Miami-Dade Landscape Manual
PSY	9	Phoenix sylvestris	Wild Date Palm	B & B	18"	12' CT	14'	Miami-Dade Landscape Manual - DroughtTolerant
PEL	6	Phykosperma elegans	Alexander Palm	65 gal	2"-3"	16'-18' OA	5'-6'	Miami-Dade Landscape Manual
SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HGT	SPRD	SPACING	REMARKS
EHY	7	Equisetum hyemale	Horsetail Reed Grass	3 gal	2"	1'	12" o.c.	
PMM	47	Podocarpus macrophyllus naki	Shrubby Yew	15 gal	5'	2'	36" o.c.	
PLI	47	Psychotria ligustrifolia	Bahama Coffee	7 gal	2"	2'	24" o.c.	Florida Native - Miami-Dade Landscape Manual
SBG	34	Sansevieria trifasciata 'Black Gold'	Black Snake Plant	3 gal	2"	1'	18" o.c.	Drought Tolerant
SFW	38	Sansevieria x 'Fernwood'	Fernwood	14"	2"	2'	36" o.c.	Drought Tolerant
ZPU	44	Zamia pumila	Coontie	3 gal	1.5'	1.5'	36" o.c.	Drought Tolerant - Florida Native - Miami-Dade Landscape Manual
LARGE SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HGT	SPRD	SPACING	REMARKS
BMA	4	Bambusa malinensis	Seabreeze Bamboo	25 gal	12'-14" OA	4'-6'	48" o.c.	
CES	54	Conocarpus erectus sericeus	Silver Button Wood	25 gal	6'-8' OA	4'	48" o.c.	Shrub Type - Florida Native - Miami-Dade Landscape Manual - Drought Tolerant
VINE/ESPALIER	QTY	BOTANICAL NAME	COMMON NAME	CONT	HGT	SPRD	SPACING	REMARKS
FPU	13	Ficus pumila	Creeping Fig	3 gal			24" o.c.	
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONT	HGT	SPRD	SPACING	REMARKS
ADM	239	Asparagus densiflorus 'Myers'	Myers Asparagus	3 gal			18" o.c.	
ZJE	2,618 sf	Zoysia japonica 'Empire'	Korean Grass		Sod			

- 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.

GENERAL PLANTING NOTES

N.T.S.

- 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.

2. 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.

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

4. 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.

5. 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.

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

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

8. 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 mixbackfill shall be clean and free of construction debris, weeds, rock and noxious pests and disease.

9. 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".

10. 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.

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. 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.

17. Any sod areas damaged by construction are to be replaced with St. Augustine 'Floradam' sod.

18. St. Augustine 'Floradam' - Contractor's responsibility to verify quantity.

19. 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.

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

21. A final on-site 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.

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

23. 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.

ALL LANDSCAPE DATA INC

DERICK LANCEL
LA687045

REVISIONS:

PROJECT NAME

LANDSCAPE (Architecture + Plant Information)
(954) 261 9562 / 9737 NW 41 St, Suite 919
Doral, FL 33178
www.alllandscapedata.com

RESIDENCE 1
1134 SOUTH BISCAYNE POINTE RD.
MIAMI BEACH, FL

SHEET INFORMATION:

Drawing Size 30x42

Project #: 20170314 ALD

Drawn By: JV

Checked By: DL

Title:

Sheet Number:

L-2.0

Date: - March 17, 2017

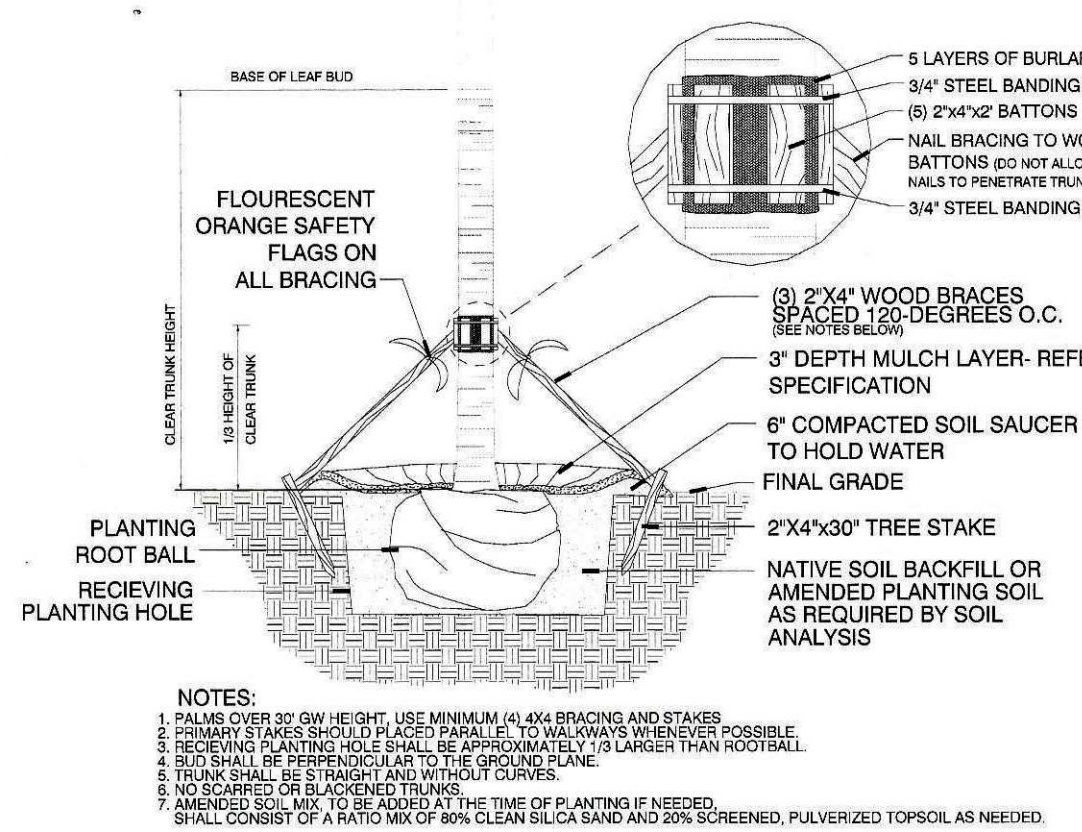
TREE AND PALM TRANSPLANTING NOTES:

1. Certified arborist is to be hired to supervise and direct all phases of transplanting trees and palms.
2. Trees to be relocated shall be root pruned a minimum of eight weeks prior to transplanting. Landscape Contractor shall maintain transplanted materials during construction period by watering, weeding, mowing, spraying, fertilizing, and pruning.
3. 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 Contractor at beginning of project. The Owner and Landscape Architect shall not be responsible for damage to utility or irrigation lines.
4. The Landscape Contractor shall comply with all local and State codes and shall be responsible for obtaining all applicable permits.
5. Landscape Contractor shall regularly inspect the relocated materials to ensure compliance with standard horticultural practices.
6. The Landscape Contractor is responsible for guaranteeing the transplanted trees and palms for a period of one year. At the time of final inspection all transplanted trees and palms that are not in a healthy growing condition shall be replaced by the Landscape Contractor.
7. Root Pruning and Transplanting Operations: The Landscape Contractor shall take all precautions to minimize shock of root pruning and transplanting in accordance with standard arboriculture procedures including:

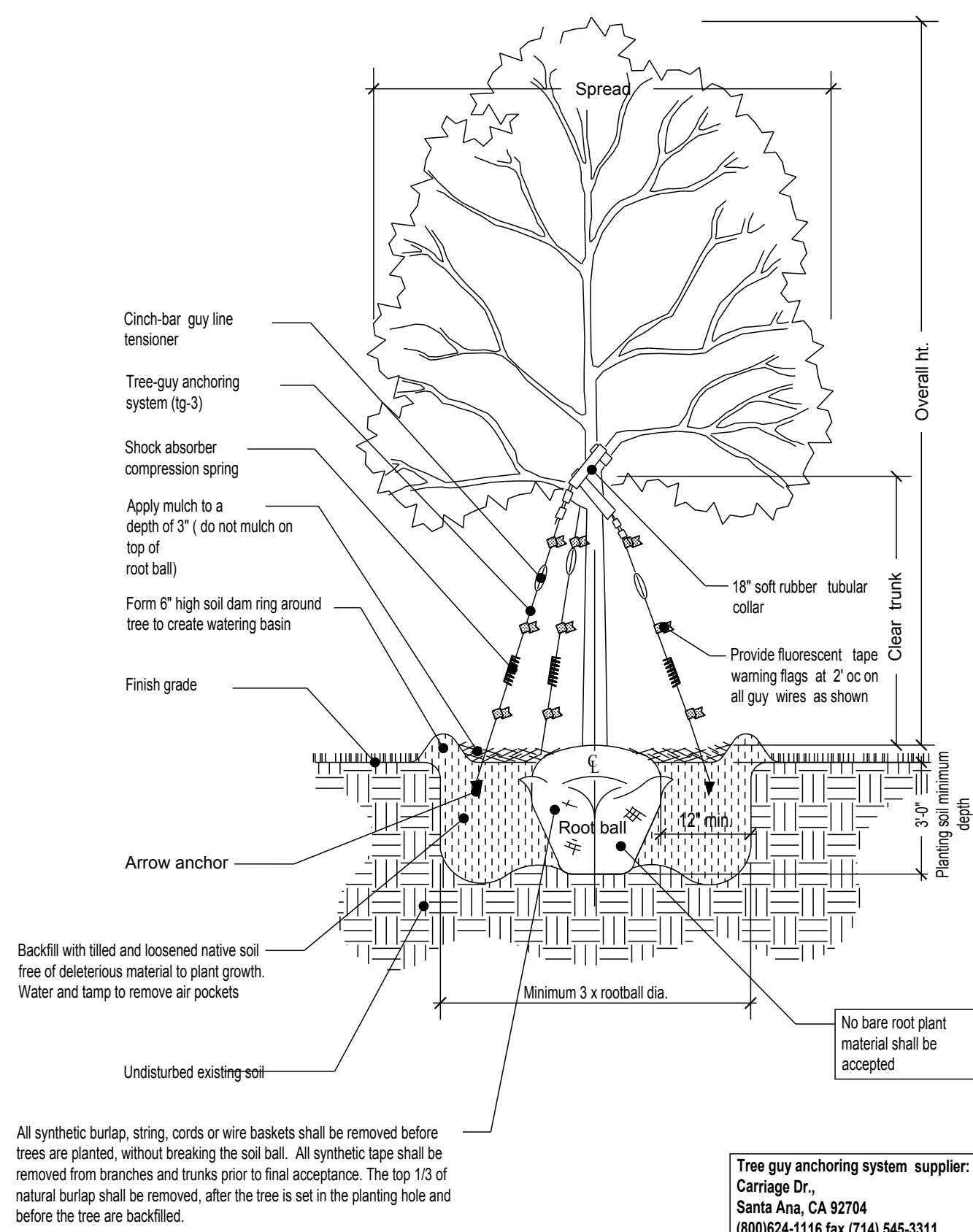
- A. The diameter of the root-pruning or transplanting circle shall be at a distance away from the trunk equal to 12 times each inch of trunk diameter at breast height.
- B. All small roots shall be clearly cut with a sharp spade, a clean saw or chainsaw depending on the size of the root.
- C. Trees shall not be pruned at transplanting to compensate for root loss. Any trimming required shall be as per the International Society of Arboriculture Trimming Standards.
- D. For all palms except Sabal palmetto, the lower fronds shall be pruned leaving 9-11 fronds that can be tied without an extensive amount of weight that may damage the heart of the palm. The Sabal palmetto shall have all fronds cut without damaging the bud.
- E. After root pruning trees, backfill roots to original existing grade with existing soil free of any deleterious material to root growth.
- F. Provide a minimum of 3" mulch over backfill area to prevent weed growth, conserve moisture and prevent evaporation. Keep mulch 6" away from the trunk.
- G. Provide tree protection as per Tree Protection Detail to ensure that the tree or root system is not damaged during the root-pruning period.
- H. After root pruning, during root regeneration period, trees shall be watered as per standard horticultural practices.
- I. Immediately prior to transplanting tie the branches of the tree up to avoid damage.
- J. The root ball shall be wrapped with burlap to protect the soil around the roots and protect the roots from drying out at time of moving from the hole.
- K. Finish cutting of root ball for transplanting.
- L. Transplanting must occur within 24 hours after being dug for relocation. Trees/Palms should be kept in shade and the canopy kept moist.
- M. Digging and preparation of the new hole for the transplant shall be done prior to removing the tree from the existing location.
- N. The depth of the new hole shall be minimum equal to the depth of the root ball and the width shall be minimum equal to three times the width of the root ball. The Landscape Contractor is to verify that all new holes have appropriate perforation. Landscape Contractor is to report to the Landscape Architect if water penetration does not meet requirements for healthy plant growth.
- O. Trees and palms shall be lifted from the ground with heavy equipment designed specifically for tree relocation so that the trunk and crown is not impacted and damaged by the equipment.
- P. The slings used to lift the trees and heavy weight palms shall be non-binding nylon type slings that are wrapped under the root ball to support the weight of tree or heavy palms. Slings shall not be solely wrapped around the trunk of the tree that can cause damage, girdling and result in decline and death of the tree.
- Q. The slings used to lift the lighter weight palms shall be non-binding nylon type slings that are wrapped around the trunk to support the weight of the palm. Padding the sling may be necessary so that the trunk or "boots" are not damaged.
- R. Trees shall be planted 2"max. higher than their original planting level prior to relocation. Palms shall be planted at the same elevation prior to relocation. The tree and palm shall be centrally positioned in the planting hole and set straight, plumb or normal to the growth pattern prior to transplanting.
- S. The trees and palms shall be backfilled with existing soil free of deleterious material to plant growth.
- T. Trees and palms shall be deep root watered to eliminate air pockets in the backfill mix prior to mulching.
- U. A 6" saucer shall be created around the edge of the plant pit to help hold water. see planting detail for additional information.
- V. Provide a minimum of 3" layer of mulch over saucer and backfill area outside saucer to prevent the weed growth, conserve moisture, and prevent evaporation. Keep mulch 6" away from the trunk.
- W. Install tree and palm bracing as per attached details, to ensure stability of tree and palm during time period prior to and after transplanting, stake trees and palms after transplanting only is required to keep them stable.
- X. Over the guarantee period the Landscape Contractor is responsible for resetting any trees/palms that are not vertical when caused by winds less than 15 MPH.
- Y. After transplanting trees and palms, the Landscape Contractor shall be responsible for obtaining water and watering to maintain soil moisture during the guarantee period at a minimum of:
First Month - daily, Second Month - 3 times per week, Third and Fourth Months - 2 times per week, Last Eight Months - 1 time per week.
For trees over 4" in caliper at the time of planting, the schedule should be: First 6 weeks - daily, from 1.5 months to 6 months 3 times per week, last 6 months - 1 time per week.

TREE AND PALM PROTECTION NOTES:

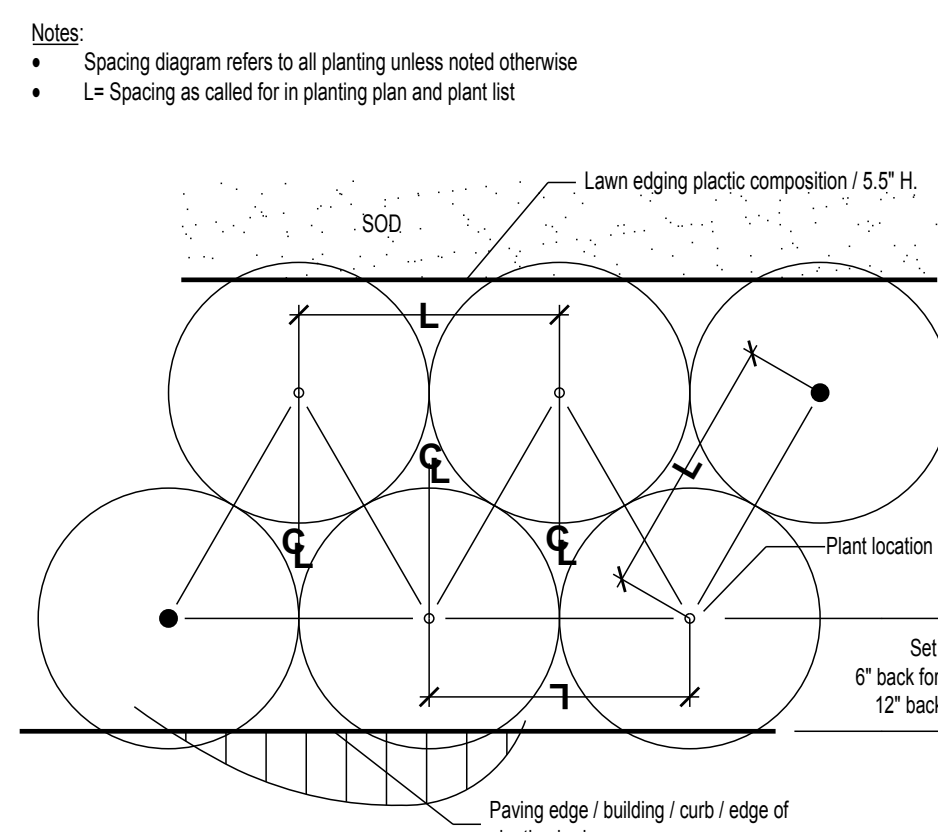
1. Before beginning work, the Contractor is required to meet with the Landscape Architect at the site to review all work procedures, access routes, storage areas, and tree protection measures.
2. The General Contractor is required to coordinate with the Landscape Architect to determine the amount of tree canopy or root zone that the General Contractor will be responsible for pruning. THE TRIMMING SHALL BE AS PER ANSI A300 STANDARDS.
3. Fences shall be erected to protect trees to be preserved. Fences define a specific Tree Protection Zone (TPZ) 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 PROTECTION ZONE (TPZ) DETAIL.
4. Construction trailers, traffic and storage areas must remain outside fenced areas at all times.
5. 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.
6. No materials, equipment, spoil, or waste or washout water may be deposited, stored, or parked within the tree protection zone (fenced area).
7. Additional tree pruning required for clearance during construction must be performed by a ISA qualified arborist AS PER ANSI A300 STANDARDS, and not by construction personnel.
8. 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.
9. 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.
10. Any grading, construction, demolition, or other work that is expected to encounter tree roots must be monitored by the Landscape Contractor.
11. All trees shall be irrigated three times a week. Each irrigation procedure shall wet the soil within the tree protection zone. 2.3 GALLONS OF WATER PER INCH OF TRUNK CALIPER.
12. 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.
13. 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 clearly 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.
14. Any roots damaged during grading or construction shall be exposed to sound tissue and cut cleanly with a saw.
15. 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.
16. Spoil from trenches, basements, or other excavations shall not be placed within the tree protection zone, either temporarily or permanently.
17. 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.
18. Maintain fire-safe areas around fenced areas. Also, no heat sources, flames, ignition sources, or smoking is allowed near mulch or trees.



City of Miami Beach
Typical Palm Planting Detail
N.T.S.



1 TREE PLANTING DETAIL
N.T.S.



2 SHRUB PLANTING DETAIL
N.T.S.



ALL LANDSCAPE DATA INC

DERICK LANCEL
LA6867045

REVISIONS:

PROJECT NAME
RESIDENCE 1
1134 SOUTH BISCAYNE POINTE RD.
MIAMI BEACH, FL

Drawing Size 30x42
Project # 20170314 ALD
Drawn By: JV
Checked By: DL
Title:
Sheet Number:
L-2.1
Date: - March 17, 2017

Landscape (Architecture + Plant Information)
(954) 261-9562 / 9737 NW 41 St, Suite 919
Doral, FL 33178
www.alllandscapedata.com

REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
STATE OF FLORIDA
LA 6867045