

4350 NAUTILUS GARDEN

4350 Nautilus Drive, Miami Beach FL, 33140 **DRB Submittal**



SHEET LIST

| | |
|------|------------------------------|
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LANDSCAPE ARCHITECT:

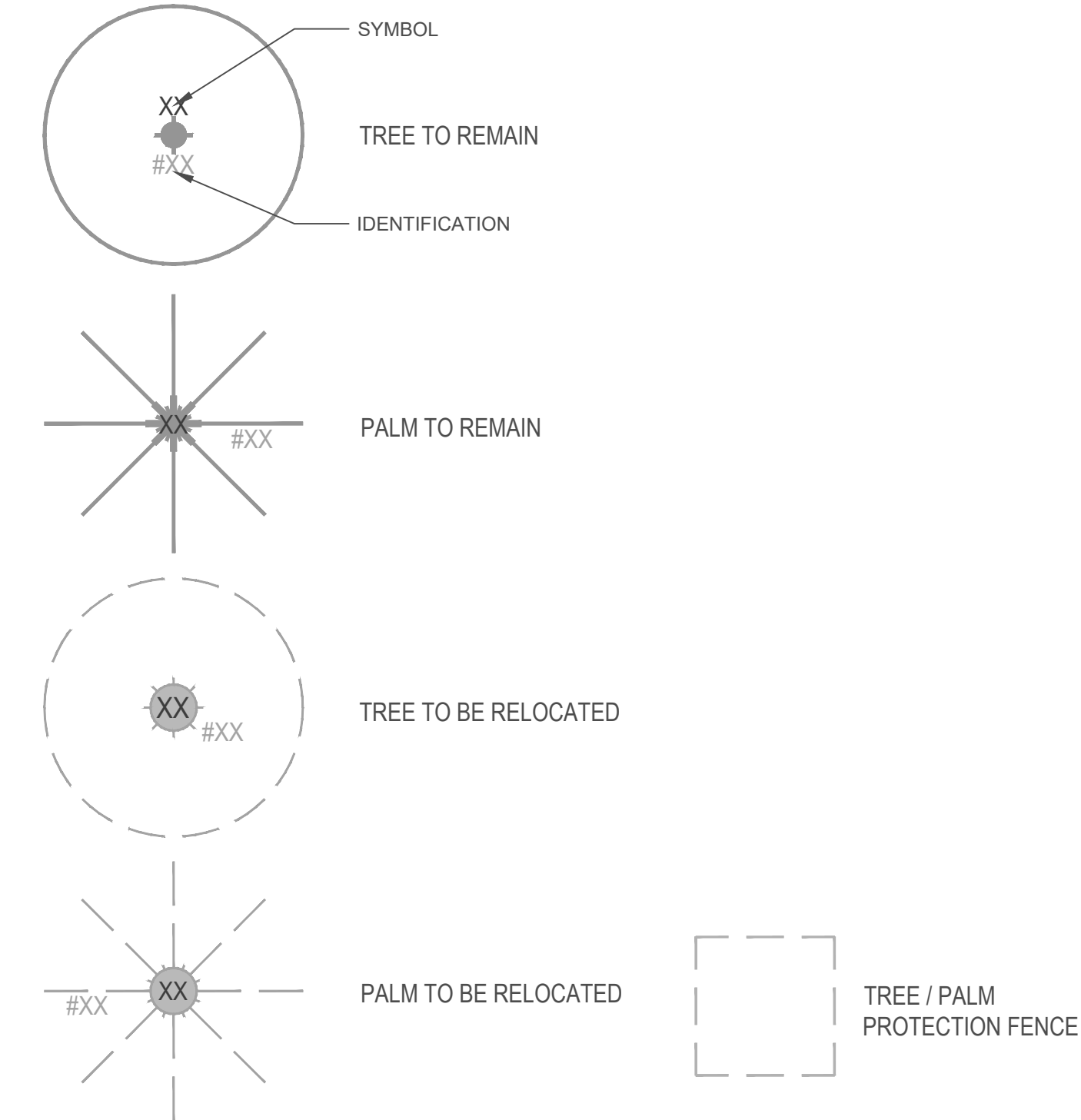
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TREE DISPOSITION SCHEDULE

| TREE MITIGATION LIST | | | | | | | | | | |
|----------------------|--------|-----------------------------------|---------------------|----------------|-------------------|-------------|-----------|-------------|----------|---------------------------|
| Identification | Symbol | Scientific Name | Common Name | D.B.H (inches) | O.A Height (feet) | Spread (ft) | Condition | Disposition | TPZ (ft) | Notes |
| 1 | QV | <i>Quercus virginiana</i> | Live Oak | 17.2" | 28' | 30' | Good | Remain | 14' | |
| 2 | PE | <i>Psychosperma elegans</i> | Solitare Palm | 5" | 25' | 6' | Good | Remain | 3' | |
| 3 | PR | <i>Phoenix roebelenii</i> x 2 lks | Pygmy Date Palm | 5"x5" | 12' | 10' | Fair | Remain | 3' | |
| 4 | PE | <i>Psychosperma elegans</i> | Solitare Palm | 5" | 28' | 6' | Good | Remain | 3' | |
| 5 | HC | <i>Handroanthus chrysanthus</i> | Yellow Trumpet Tree | 15.3" | 28' | 25' | Good | Relocate | 12" | *Min. rootball size 4'-6' |
| 6 | PE | <i>Psychosperma elegans</i> | Solitare Palm | 4"x4" | 26' | 8' | Fair-Good | Relocate | 3' | |
| 7 | AM | <i>Adonidia merillii</i> | Christmas Palm | 5" | 17" | 8' | Good | Remain | 3' | |
| 8 | PE | <i>Psychosperma elegans</i> | Solitare Palm | 4" | 20' | 6' | Good | Remain | 3' | |
| 9 | LC | <i>Loropetalum chinense</i> | Chinese Fringe Tree | 28" | 16' | 15' | Fair | Remain | 5' | Multi-trunked shrub |
| 10 | GS | <i>Guztatum sanctum</i> | Lignum Vitae | 4" | 16' | 8' | Fair | Remain | 4' | |
| 11 | SP | <i>Sabal palmetto</i> | Sabal Palm | 13.4" | 14' | 8' | Fair-Good | Remain | 3' | |
| 12 | AM | <i>Adonidia merillii</i> x 4 lks | Christmas Palm | 6"x6"-6"x5" | 12' | 15' | Good | Remain | 3' | |
| 13 | SR | <i>Syagrus romanzoffiana</i> | Queen Palm | 8.5" | 20' | 15' | Fair | Remain | 3' | |

TREE DISPOSITION LEGEND



TREE/ PALM PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING FOR ALL TREES/PALMS THAT ARE TO REMAIN, BE PROTECTED OR BE RELOCATED

NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, AND MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL, LIGHTING, ETC.

IN NO CASE SHALL THE FENCE BE INSTALLED LESS THAN TEN FEET FROM THE TRUNK

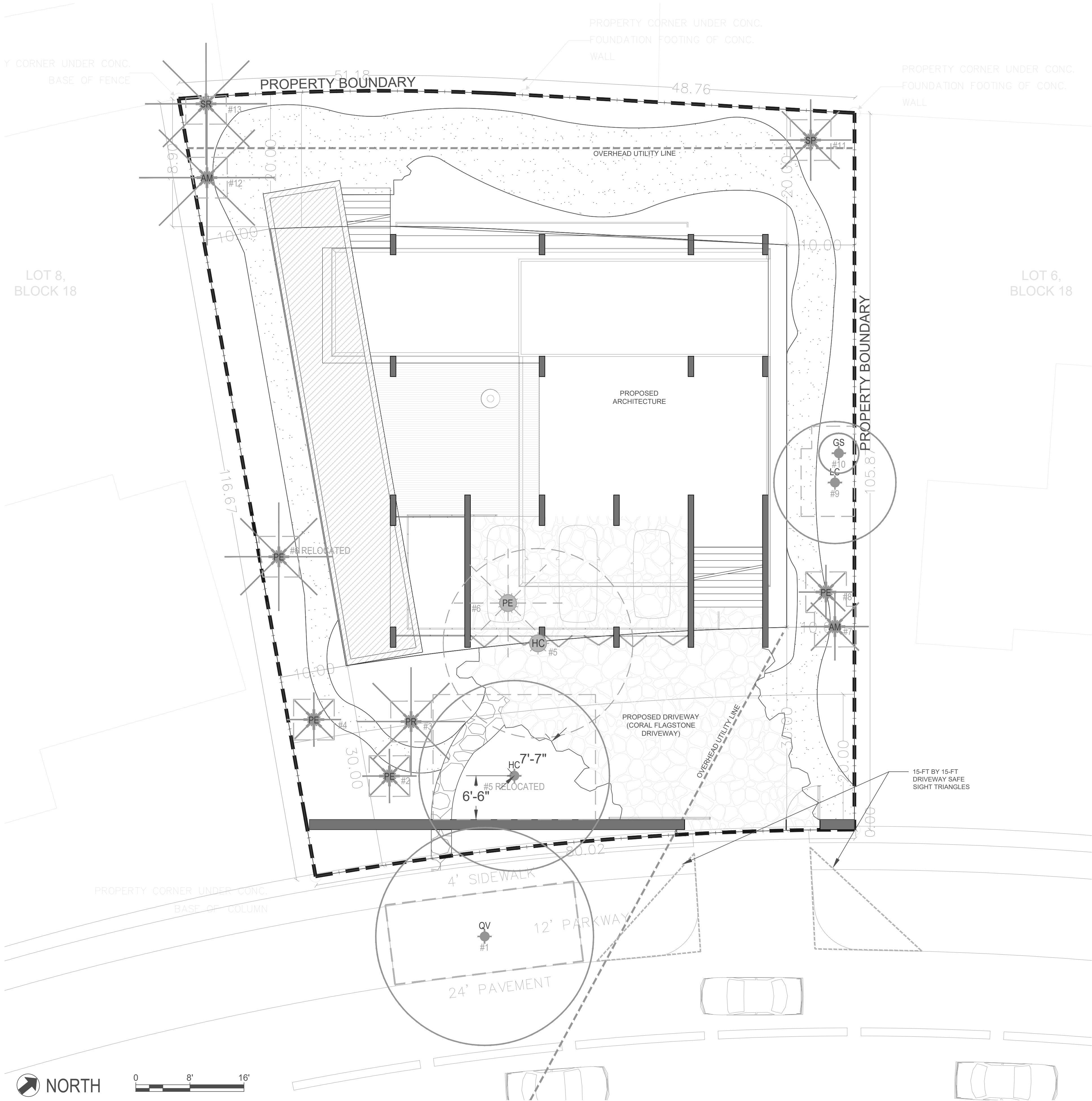
TREE + PALM PROTECTION BARRIERS TO EXTEND BEYOND THE 'DRIPLINE' OR TO THE 'CRITICAL ROOT ZONE AREA' OF ALL TREES/PALMS TO BE PROTECTED. EXTEND WHERE NECESSARY TO PROTECT TREE CANOPY ROOTS

BARRIERS SHALL BE A MINIMUM OF FOUR FEET HIGH, AND SHALL BE CONSTRUCTED OF CONTINUOUS CHAIN LINK FENCE WITH METAL POSTS AT EIGHT-FOOT SPACING OR 2"x4" POSTS WITH THREE EQUALLY SPACED 2"x4" RAILS. POSTS MAY BE SHIFTED TO AVOID ROOTS.

PROTECTION DETAIL NOTE:
CONTRACTOR TO INSTALL 'TREE/PALM PROTECTION FENCE BARRIERS' AROUND ALL EXISTING TREES OR PALMS AT THE START OF THE PROJECT. BARRIERS TO REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT AND SHOULD NOT BE REMOVED OR DECONSTRUCTED FOR ANY REASON WITHOUT AUTHORIZATION FROM THE CITY OF MIAMI BEACH URBAN FORESTER + PLANNING + ZONING DEPARTMENT

1 C.M.B. TREE / PALM PROTECTION DETAIL

N.T.S



TREE DISPOSITION NOTES

1. CONTRACTOR REQUIREMENTS

- 1.1. CONTRACTOR MUST VISIT THE JOBSITE AND INSPECT ALL TREES AND PALMS TO BE RELOCATED AS WELL AS EXISTING SITE CONDITIONS AND RESTRICTIONS PRIOR TO PREPARING BID.
- 1.2. CONTRACTOR MUST VERIFY AND ENSURE THAT ALL TREES AND PALMS IDENTIFIED ON THE PLANS AND THOSE TAGGED ON THE JOBSITE CORRESPOND AS TO NUMBER AND DESCRIPTION. ANY DISCREPANCIES MUST BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY, PRIOR TO PREPARING BID.
- 1.3. CONTRACTOR MUST SCHEDULE ROOT PRUNING TO PROVIDE THE MAXIMUM POSSIBLE TIME FOR NEW ROOT GROWTH. EVEN TREES AND PALMS THAT TYPICALLY DO NOT REQUIRE LONG (OR ANY) ROOT PRUNING WILL BENEFIT FROM MORE ROOT PRUNING TIME; THEREFORE, ALL TREES AND PALMS TO BE RELOCATED MUST BE ROOT PRUNED. CONTRACTOR MUST PROVIDE A ROOT PRUNE SCHEDULE FOR EACH TREE OR PALM TO BE RELOCATED AS AN ATTACHMENT TO THE BID.
- 1.4. CONTRACTOR MUST CALL SUNSHINE 811 TO HAVE ALL UNDERGROUND UTILITIES LOCATED UNDER OR IN THE VICINITY OF THE CURRENT OR FUTURE LOCATIONS OF ALL TREES AND PALMS TO BE RELOCATED PRIOR TO WORK COMMENCING.
- 1.5. CONTRACTOR MUST VERIFY WITH THE GENERAL CONTRACTOR THE ABSENCE OF ANY UNDERGROUND CONSTRUCTION OR OBSTRUCTIONS (**E.G.**, BULKHEADS, SEPTIC SYSTEMS, ETC.) IN THE CURRENT AND FUTURE LOCATIONS OF ALL TREES AND PALMS TO BE RELOCATED.
- 1.6. CONTRACTOR MUST ALERT THE LANDSCAPE ARCHITECT OF ANY TREES OR PALMS THAT WILL NOT SUCCESSFULLY RELOCATE DUE TO POOR HEALTH PRIOR TO BEGINNING ROOT PRUNING.
- 1.7. CONTRACTOR MUST FLAG ALL PROPOSED TRANSPLANT LOCATIONS FOR THE LANDSCAPE ARCHITECT'S APPROVAL A MINIMUM OF 15 DAYS PRIOR TO RELOCATION.
- 1.8. CONTRACTOR MUST ENSURE THAT ALL TREES AND PALMS TO BE RELOCATED ARE INSTALLED AT THE CORRECT GRADE OR ELEVATION, ACCORDING TO THE GRADING PLAN.
- 1.9. CONTRACTOR MUST ENSURE THAT ALL ROOT FLARES ARE EXPOSED AFTER RELOCATION.
- 1.10. CONTRACTOR MUST REMOVE ALL RESIDUAL ROOTS, STUMPS, AND PORTIONS THEREOF AND BACKFILL PITS FROM WHICH RELOCATED TREES AND PALMS WERE REMOVED WITH CLEAN, FIRMLY COMPACTED FILL FLUSH WITH THE SURROUNDING GRADE.
- 1.11. CONTRACTOR MUST REPAIR ANY DAMAGE TO OTHER PLANTS, LAWN, HARDSCAPES, OR NEW CONSTRUCTION WITHIN THE RELOCATION AREA AT CONTRACTOR'S EXPENSE. HARDSCAPES INCLUDE BUT ARE NOT LIMITED TO CURBS, WALKS, PATIOS, ROADS, FENCES, WALLS, STEPS, SITE FURNISHINGS, ETC..
- 1.12. CONTRACTOR MUST INSTALL AND MAINTAIN PROTECTION FENCING AROUND EACH TREE AND PALM TO BE RELOCATED BOTH DURING ROOT PRUNING AND AFTER RELOCATION. PROTECTION FENCING MUST MEET THE LOCAL JURISDICTION REQUIREMENTS. (REFER TO TREE PROTECTION DETAIL)
- 1.13. CONTRACTOR MUST OBTAIN ALL NECESSARY OR REQUIRED PERMITS FOR THE RELOCATION AND TRANSPORTATION OF THE TREES AND PALMS TO BE RELOCATED.
- 1.14. CONTRACTOR MUST PROVIDE ALL MATERIAL NECESSARY TO PERFORM THE WORK COVERED HEREIN, INCLUDING BUT NOT LIMITED TO BACKFILL MATERIAL, PROTECTION FENCING, FLAGGING, SOIL AMMENDMENTS, FERTILIZER AND SUPPLEMENTS, TEMPORARY IRRIGATION, BURLAP, WIRE, SHRINK WRAP, AND ALL NECESSARY TOOLS AND EQUIPMENT.

2. ROOT PRUNING SPECIFICATIONS

- 2.1. GENERAL
- 2.1.1. ALL TREES AND PALMS TO BE RELOCATED MUST BE WATERED DAILY FOR AT LEAST 2-3 DAYS PRIOR TO ANY ROOTS BEING CUT TO ENSURE THAT THEY ARE FULLY HYDRATED. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.
- 2.1.2. EACH TREE AND PALM MUST THEN BE WATERED EVERY OTHER DAY, NOT RELYING ON RAIN, DURING THE ENTIRE ROOT PRUNING PROCESS EITHER BY A TEMPORARY IRRIGATION SYSTEM OR BY HAND. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH.
- 2.1.3. ALL DIGGING IN THE ROOT ZONE DURING THE ROOT PRUNE PROCESS MUST BE DONE BY HAND; NO MACHINERY WILL BE ALLOWED. PRUNING OF ROOTS MUST BE DONE BY HAND WITH CLEAN, SHARP TOOLS. DO NOT PAINT CUT ROOTS WITH TREE PAINT OR ANY KIND OF SEALANT.
- 2.1.4. MYCORRHIZA (ROOTS® TRANSPLANT OR EQUIVALENT) MUST BE INCORPORATED INTO THE BACKFILL SOIL PRIOR TO BACKFILLING AS PER MANUFACTURES RECOMMENDATIONS.

- 2.2. TREES
- 2.2.1. PRIOR TO ANY ROOTS BEING CUT, ALL MAJOR ROOTS MUST BE IDENTIFIED TO DETERMINE THE ROOTBALL DIAMETER BASED ON THE RELATIVE LOCATION AND SIZE OF THE ROOTS.
- 2.2.2. WHENEVER POSSIBLE, ROOTBALLS MUST BE CIRCULAR IN SHAPE WITH AN EQUAL DISTANCE FROM THE TRUNK TO THE EDGE OF THE ROOTBALL ALL AROUND.
- 2.2.3. MINIMUM ROOTBALL DEPTH MUST BE 24-36" FOR ALL TREES TO BE RELOCATED, WITH THE ACTUAL DEPTH TO BE DETERMINED ONLY AFTER A THOROUGH EXAMINATION OF ALL ROOTS DURING THE INITIAL ROOT INSPECTION AND BASED ON THE ABSENCE OF MAJOR ROOTS AT THE BOTTOM OF THE ROOTBALL. ROOTBALLS DEEPER THAN 36" MAY BE REQUIRED FOR LARGE SPECIMEN TREES, DEPENDING ON THE RELATIVE LOCATIONS AND DEPTHS OF THE MAJOR ROOTS AS OBSERVED DURING THE INITIAL ROOT INSPECTION.
- 2.2.4. AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR TREES WITH A DBH OF LESS THAN 10" IS 12 WEEKS. THE FIRST ROOT PRUNE MUST BE ON TWO OPPOSING SIDES OF THE ROOTBALL, WITH THE SECOND ROOT PRUNE ON ONE OF THE OTHER TWO SIDES DONE A MINIMUM OF 6 WEEKS LATER, AND A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 3 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVIDENT. MORE TIME MAY BE NEEDED DURING THE COOLER MONTHS OF THE YEAR.
- 2.2.5. AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR TREES WITH A DBH OF 10" OR GREATER IS 24 WEEKS. THE FIRST ROOT PRUNE MUST BE ON TWO OPPOSING SIDES OF THE ROOTBALL, WITH THE SECOND ROOT PRUNE ON ONE OF THE OTHER TWO SIDES DONE A MINIMUM OF 12 WEEKS LATER, AND A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 6 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVIDENT. MORE TIME MAY BE NEEDED DURING THE COOLER MONTHS OF THE YEAR.
- 2.2.6. PALMS
- 2.2.7. PALM ROOTBALLS MUST BE A MINIMUM OF 24" DEEP. WHENEVER POSSIBLE, ROOTBALLS MUST BE CIRCULAR IN SHAPE WITH AN EQUAL DISTANCE FROM THE TRUNK TO THE EDGE OF THE ROOTBALL ALL AROUND..
- 2.2.8. AS A GENERAL RULE, MINIMUM ROOT PRUNE TIME FOR PALMS IS 6-8 WEEKS. THE FIRST ROOT PRUNE MUST BE ON TWO OPPOSING SIDES OF THE ROOTBALL, WITH THE SECOND ROOT PRUNE ON ONE OF THE OTHER TWO SIDES DONE A MINIMUM OF 3-4 WEEKS LATER, AND A THIRD ROOT PRUNE ON THE LAST SIDE DONE A MINIMUM OF 4.5-6 WEEKS AFTER THAT. THE SECOND AND THIRD ROOT PRUNES MAY ONLY BE DONE WHEN HEALTHY NEW ROOT GROWTH FROM EARLIER ROOT PRUNES IS EVIDENT. MORE TIME MAY BE NEEDED DURING THE COOLER MONTHS OF THE YEAR.
- 3.0 CANOPY PRUNING SPECIFICATIONS
- 3.1. TREES
- 3.1.1. PRIOR TO RELOCATION, THE CANOPY OF EACH TREE TO BE RELOCATED MUST BE SELECTIVELY PRUNED TO REMOVE CROSSING, DEAD, DISEASED, BROKEN, AND LOW-HANGING BRANCHES THAT MAY INTERFERE WITH CONSTRUCTION ACTIVITIES, OR THAT MAY INTERFERE OR RESTRICT STRAPPING OR LIFTING THE TREE DURING RELOCATION.
- 3.1.2. FOR TREES BEING RELOCATED ONSITE, THE CANOPY MAY BE SELECTIVELY THINNED AND REDUCED BY NO MORE THAN 1/3 OF THE OVERALL CANOPY MASS, AT THE DIRECTION OF THE LANDSCAPE ARCHITECT; HOWEVER, THE BASIC SHAPE, FORM, AND CHARACTER OF THE TREE MUST BE PRESERVED.
- 3.1.3. FOR TREES BEING RELOCATED OFFSITE, THE CANOPY MUST BE PRUNED, AT THE DIRECTION OF THE LANDSCAPE ARCHITECT, TO FIT ON THE TRAILER FOR TRANSPORT. EVERY EFFORT MUST BE MADE TO RETAIN AS MANY LARGE BRANCHES AS POSSIBLE AND TO PRESERVE AS MUCH OF THE SHAPE, FORM, AND CHARACTER OF THE TREE AS POSSIBLE TO THE WIDEST LOAD WIDTH ALLOWABLE BY THE FLORIDA DEPARTMENT OF TRANSPORTATION. CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS AND ESCORTS TO TRANSPORT WIDE LOADS, PER FLORIDA LAW.
- 3.1.4. ALL CANOPY PRUNING MUST BE CONDUCTED FOLLOWING ANSI A-300 TREE PRUNING STANDARDS AND BEST MANAGEMENT PRACTICES.
- 3.1.5. ALL DEBRIS GENERATED DURING CANOPY PRUNING MUST BE REMOVED OFFSITE AND DISPOSED.
- 3.2. PALMS
- 3.2.1. PALM LEAVES MUST BE TIED UP WITH 2-PLY BIODEGRADABLE TWINE PRIOR TO RELOCATION TO PREVENT MECHANICAL DAMAGE DURING THE RELOCATION PROCESS.
- 3.2.2. PALM TRUNKS SHALL ONLY BE "CLEANED UP" ACCORDING TO THE LANDSCAPE ARCHITECT'S SPECIFICATIONS SPECIFIC TO EACH PALM.

MAINTENANCE SPECIFICATIONS

- 1.1. GENERAL
- 1.1.1. WHENEVER POSSIBLE, EACH TREE AND PALM MUST BE WATERED BY A PERMANENT AUTOMATIC IRRIGATION SYSTEM FOLLOWING RELOCATION. EACH WATERING MUST THOROUGHLY SATURATE THE ROOTBALL TO ITS FULL DEPTH; THIS WILL REQUIRE 25-50 GALLONS OF WATER FOR SMALL TREES AND PALMS, DEPENDING ON ROOTBALL SIZE, WHILE LARGE TREES WILL REQUIRE A MINIMUM OF 10 GALLONS PER FOOT OF ROOTBALL DIAMETER (**I.E.**, A 10' DIAMETER ROOTBALL WILL REQUIRE A MINIMUM OF 100 GALLONS PER WATERING EVENT). WATERING FREQUENCY MUST BE EVERY DAY FOR THE FIRST TWO WEEKS, EVERY OTHER DAY FOR THE NEXT THREE WEEKS, AND EVERY THIRD DAY FOR THE NEXT 6-8 WEEKS.
- 1.1.2. WHEN AN AUTOMATIC IRRIGATION SYSTEM IS NOT POSSIBLE, CONTRACTOR IS RESPONSIBLE FOR HAND WATERING RELOCATED TREES AND PALMS THROUGHOUT THE MAINTENANCE PERIOD AND UNTIL FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT AND/OR CLIENT.
- 1.1.3. IRRIGATION AND BRACING MUST BE CHECKED AND EACH TREE OR PALM THOROUGHLY INSPECTED FOR SIGNS OF STRESS, DISEASE, OR PEST PROBLEMS ON A MONTHLY BASIS
- 1.2. PALMS
- 1.2.1. STRING MUST BE REMOVED FROM THE TIED UP LEAVES IMMEDIATELY AFTER RELOCATION TO THE FINAL LOCATION IF THE PALM WAS ROOT PRUNED OR WITHIN 30-45 DAYS AFTER RELOCATION ON THE OCCASION THE LANDSCAPE ARCHITECT APPROVED RELOCATION WITHOUT ROOT PRUNING DUE TO TIME CONSTRAINTS.

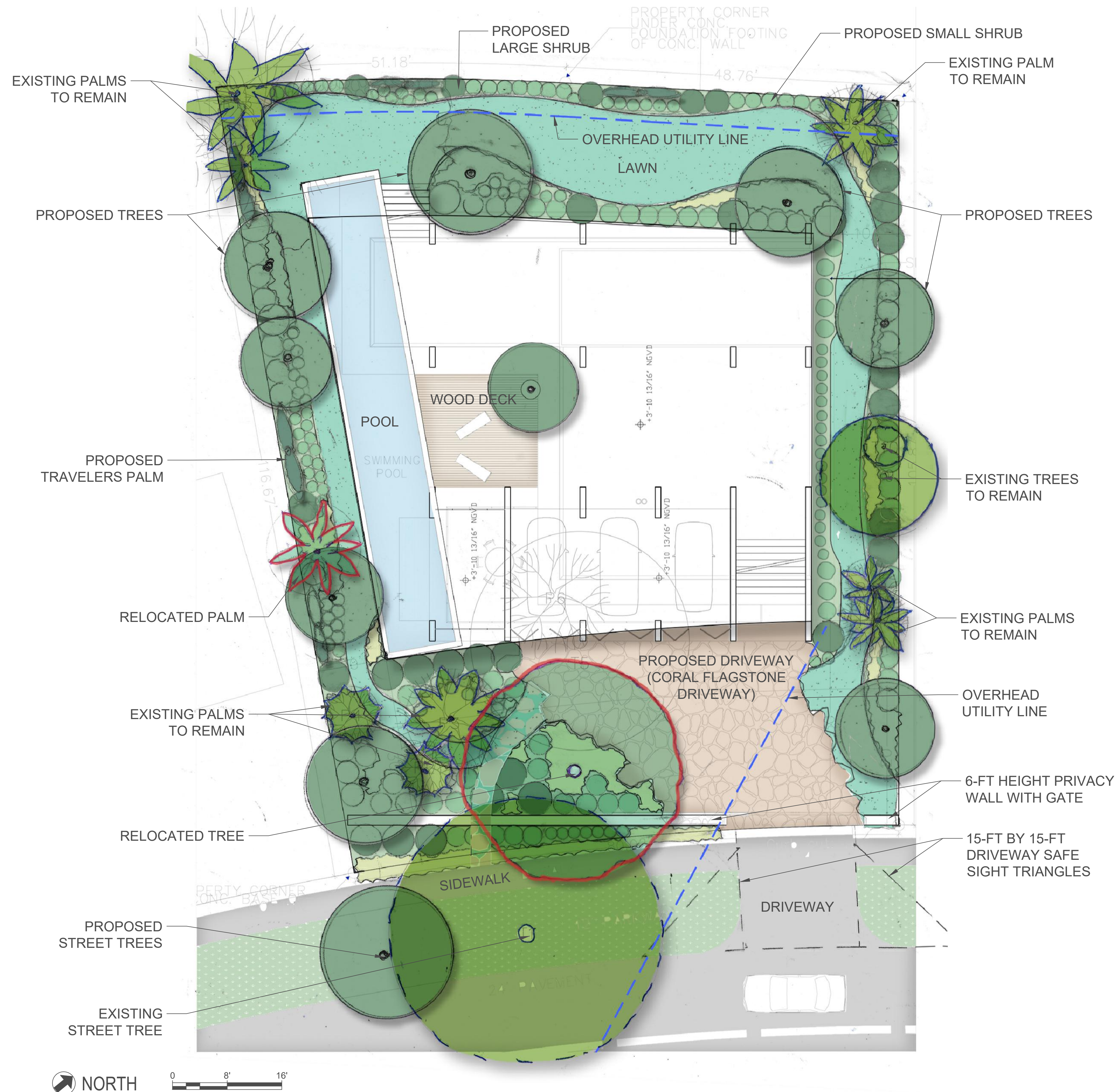
| General Notes | | |
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| | | |
| | | |
| | | |
| 1 | DRB SUBMITTAL | 09/06/22 |
| No. | Revision/Issue | Date |

| |
|---|
| Firm Name and Address |
| SR habitat |
| Habitat Landscape Consulting 420 SW 7th St, Office 1112 Miami FL 33130 www.habitatic.com Landscape Architect: Benjamin Noyes License Number: LA6667395 |
| Seal |

| |
|---|
| Project Name and Address |
| 4350 NAUTILUS GARDEN 4350 Nautilus Drive Miami Beach, Florida 33140 |

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|------------------------|
| Sheet Name |
| Tree Disposition Notes |

| | |
|---------------------------------|-----------|
| Project 4350 NAUTILUS GARDEN | Sheet No. |
| Date 09/06/2022 | L1.1 |
| Scale | |



General Notes

| No. | Revision/Issue | Date |
|-----|----------------|----------|
| 1 | DRB SUBMITTAL | 09/06/22 |

Firm Name and Address

habitat
Habitat Landscape Consulting
420 SW 7th St, Office 1112
Miami FL 33130
www.habitatlc.com
Landscape Architect: Benjamin Noyes
License Number: LA6667395

Seal

Project Name and Address

4350 NAUTILUS GARDEN
4350 Nautilus Drive
Miami Beach, Florida 33140

Sheet Name

Landscape Concept Plan

Project

4350 NAUTILUS GARDEN

Date

09/06/2022




Scale

1/16" = 1'-0"

Sheet No.

L2.0

PROPOSED SHRUB



Firm Name and Address

Habitat Landscape Consulting
420 SW 7th St, Office 1112
Miami FL 33130
www.habitatl.com
Landscape Architect: Benjamin Noyes
License Number: LA6667395

Seal

Project Name and Address

4350 NAUTILUS GARDEN
4350 Nautilus Drive
Miami Beach, Florida 33140

Sheet Name
Planting Plan

Scale
1/16" = 1'-0"

Sheet No.

2.1

PLANT SCHEDULE AND SPECIFICATIONS

| Planting List | | | | | | | | | | |
|---|--------|-----------------------------------|---------------------------|--------------------------|-----------|-----------|-----------|-------------------------|--|------------------------------|
| Quantity | Symbol | Scientific Name | Common Name | Caliper / Container Size | Height | Spread | FL Native | Drought / Salt Tolerant | Comments | |
| Trees | | | | | | | | | | |
| 1 | BB | Bucida bucerus 'Shady Lady' | Shady Lady Black Olive | 5" | 14'-16' | 8' - 10' | Y | Y | Standard with Character | |
| 1 | BS | Bursera simaruba | Gumbo Limbo | 6" | 18' - 20' | 12' | Y | Y | Multi / Character | |
| 3 | CR | Clusia rosea | Autograph Tree | 4" | 14' - 16' | 10' - 12' | Y | Y | Standard with Character | |
| 4 | CD | Coccoloba diversifolia | Pigeon Plum | 3" | 14' - 16' | 6' - 8' | Y | Y | Standard Full | |
| 1 | SM | Swietenia mahagoni | West Indian Mahogany | 4" | 14'-16' | 8' - 10' | Y | Y | Standard Full | |
| Palms | | | | | | | | | | |
| 4 | RM | Ravenala madagascariensis | Travelers Palm | 25 gal. | 8' - 10' | 6' | N | N | Full to ground | |
| Shrubs | | | | | | | | | | |
| 10 | CI | Chrysobalanus icaco | Cocoplum | 7 gal. | 3' | 3' | Y | Y | Full | |
| 28 | CI2 | Chrysobalanus icaco 'Horizontal' | Horizontal Cocoplum | 3 gal. | 18" | 4' - 6' | Y | Y | Full | |
| 6 | CG | Clusia guttifera | Pitch Apple | 15 gal. | 4' - 5' | 3' | N | Y | Bush / Multi, full to ground | |
| * | 5 | CE | Conocarpus erectus | Silver Buttonwood | 25 gal. | 6' | 4' | Y | Y | Bush / Multi, full to ground |
| | 12 | EF | Eugenia foetida | Spanish Stopper | 15 gal. | 4' - 5' | 3' | Y | Y | Bush / Multi, full to ground |
| * | 13 | MF | Myrcianthes fragans | Simpson's Stopper | 25 gal. | 6' | 4' | Y | Y | Bush / Multi, full to ground |
| | 12 | MC | Myrica cerifera | Southern Wax Myrtle | 7 gal. | 3' | 4' | Y | Y | Full |
| 28 | NB | Nephrolepis biserrata | Macho Fern | 3 gal. | 2' - 3' | 4' | Y | N | Full | |
| 19 | PR | Philodendron rojo congo | Philodendron 'Rojo Congo' | 7 gal. | 18" - 24" | 2' | N | N | Full | |
| 13 | RE | Rhapis excelsa | Lady Palm | 15 gal. | 4" | 3' | N | N | Full | |
| 3 | SN | Strelitzia nicolai | White Bird of Paradise | 45 gal. | 7' - 8' | 4' - 6' | N | Y | Multi, full to ground | |
| 13 | ZI | Zamia integrifolia | Coontie | 7 gal. | 18" - 24" | 3' | Y | Y | Full | |
| Ornamental Grasses | | | | | | | | | | |
| 6 | TD | Tripsacum dactyloides | Fakahatchee Grass | 3 gal. | 2' - 3' | 2' | Y | Y | Full | |
| Groundcover | | | | | | | | | | |
| 58 | HD | Helianthus debilis | Beach Sunflower | 1 gal. | 1' | 9" | Y | Y | Full | |
| 44 | IN | Iris neomaraica caerulea 'Regina' | Giant Apostle's Iris | 3 gal. | 2' | 9" | N | Y | Full | |
| 33 | PB | Philodendron burle marx | Philodendron 'Burle Marx' | 1 gal. | 10" | 6" | Y | N | Full | |
| 105 | PS | Phymatosorus scolopendria | Wart Fern | 1 gal. | 9" | 9" | Y | Y | Full | |
| Vines | | | | | | | | | | |
| 11 | FP | Ficus pumila | Creeping Fig | 3 gal. | 2'-6" | 9" | Y | Y | Staked / With runners attached to wall | |
| Lawn | | | | | | | | | | |
| | SOD | Zoysia 'Empire' | Zoysia 'Empire' | SOD | | | | | | |
| * Large Shrub, counting towards COMB requirements | | | | | | | | | | |

CITY OF MIAMI BEACH

LANDSCAPE LEGEND

INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS

Zoning District RS-4 Lot Area 9946.33 s.f. Acres

OPEN SPACE

A. Square feet of required Open Space as indicated on site plan:

Lot Area = 9946 s.f.x 30 % = 2984 s.f.

B. Square feet of parking lot open space required as indicated on site plan:

Number of parking spaces x 10 s.f. parking space =

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

| REQUIRED/ ALLOWED | PROVIDED |
|----------------------|-----------|
| 2984 s.f. | 4504 s.f. |
| n/a | n/a |
| 2984 s.f. | 4504 s.f. |

LAWN AREA CALCULATION

A. Square feet of landscaped open space required

B. Maximum lawn area (sod) permitted= 50 % x 4504 s.f.

| | |
|-----------|-----------|
| 2984 s.f. | 4504 s.f. |
| 2252 s.f. | 1852 s.f. |

TREES

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

 trees x net lot acres - number of existing trees=

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.)

80 linear feet along street divided by 20'=

E. Street tree species allowed directly beneath power lines: (maximum average spacing of 20' o.c.):

 linear feet along street divided by 20'=

| | |
|--|----------------------------------|
| 9 | 3 Existing + 9 New (12 Total) |
| 3 | 10 |
| 5 | 10 |
| 4 | 1 Existing + 1 New (2 Total) |
| 2 Additional Trees placed within property due to sight-triangle & power line constraints | |
| 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%=

| | |
|-----|-----|
| 156 | 166 |
| 78 | 121 |

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%=

| | |
|----|----|
| 16 | 18 |
| 8 | 18 |

GENERAL LANDSCAPE NOTES AND SPECIFICATIONS

- LANDSCAPE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SCOPE OF WORK AS WELL AS THE SITE, DIGGING CONDITIONS, AND ANY OBSTACLES PRIOR TO SUBMITTING A BID.
- LANDSCAPE CONTRACTOR SHALL PROVIDE AN INSTALLATION SCHEDULE TO THE GENERAL CONTRACTOR AND LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL.
- ALL PLANT MATERIAL SYMBOLS SHOWN ON LANDSCAPE PLANS SHALL BE CONSIDERED DIAGRAMMATIC AND SHOULD BE ADJUSTED IN THE FIELD BY LANDSCAPE CONTRACTOR TO AVOID ALL UTILITIES AND ALL OTHER OBSTRUCTIONS, AFTER CONSULTING THE LANDSCAPE ARCHITECT.
- ALL SIZES SPECIFIED FOR PLANT MATERIAL ON THE PLAN AND PLANT LIST SHALL BE CONSIDERED MINIMUM & SHALL MEET OR EXCEED THE SPECIFIED MINIMUM.
- ALL TREES & SHRUBS 5 GAL. OR LARGER, ALONG WITH ANY SPECIFIC REQUIREMENTS SUCH AS SPECIFIC CHARACTER, NUMBER OF TREE TRUNKS, AND OR PLANT SOURCE, WILL REQUIRE PHOTOGRAPHIC OR IN-PERSON APPROVAL AND COORDINATION WITH THE LANDSCAPE ARCHITECT.
- NO CHANGE OR SUBSTITUTION SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT. ANY REVISION OR MODIFICATIONS TO THE LANDSCAPE PLAN MUST HAVE PRIOR APPROVAL BY THE THE LANDSCAPE ARCHITECT & OWNER
- ALL MATERIAL SHALL BE SUBJECT TO AVAILABILITY AT TIME OF INSTALLATION. SUBSTITUTIONS MAY BE MADE AFTER CONSULTATION WITH THE LANDSCAPE ARCHITECT.
- CHANGES MAY OCCUR DURING THE NORMAL COURSE OF IMPLEMENTATION. VERBAL CHANGE ORDERS WILL BE HONORED AS LONG AS THEY ARE DOCUMENTED AFTER THE FACT AND APPROVED BY THE OWNER/CLIENT.
- LANDSCAPE CONTRACTOR SHALL LOCATE AND VERIFY ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO DIGGING. LANDSCAPE CONTRACTOR SHALL REPAIR ALL DAMAGES TO UNDERGROUND UTILITIES, AND OR CONSTRUCTION CAUSED BY LANDSCAPE INSTALLATION, AT NO COST TO THE OWNER.
- SITE PREPARATION SHOULD INCLUDE THE ERADICATION AND REMOVAL OF ANY WEEDS OR GRASS, REMOVAL AND CLEAN UP OF ANY DEAD MATERIAL AND ROUGH AND FINISH GRADING PER SPECS AND OR LANDSCAPE PLANS.
- ALL EXISTING PLANT MATERIAL THAT IS IN HEALTHY CONDITION SHOULD BE PRESERVED IN PLACE UNLESS OTHERWISE SPECIFIED BY THE LANDSCAPE ARCHITECT. ANY BROWN/DEAD PLANTS OR PARTS OF PLANTS SHALL BE REMOVED.
- ALL TREES, PALMS, SHRUBS AND GROUND COVER PLANTS SHALL BE FERTILIZED AT INSTALLATION, WITH LONG LASTING FERTILIZER, ACCORDING TO MANUFACTURERS' RECOMMENDATIONS AND BASED ON SOIL TESTS OF EXISTING ON-SITE SOILS.
- ALL PLANTING AREAS SHALL BE MULCHED WITH ORGANIC PINE BARK MULCH TO A MINIMUM OF 3".
- LANDSCAPE CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER APPROPRIATE CONTRACTORS.
- THE LANDSCAPE CONTRACTOR SHALL AT ALL TIMES KEEP THE JOB SITE CLEAN AND FREE FROM ACCUMULATION OF WASTE MATERIAL, DEBRIS, AND RUBBISH.
- LANDSCAPE PLAN SHALL BE INSTALLED IN COMPLIANCE WITH ALL LOCAL CODES.
- ON-SITE LAYOUT OF PLANT MATERIAL SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT AT THE TIME OF INSTALLATION.
- ALL PLANTS, MATERIALS, WORKMANSHIP, AND INVOICE APPROVAL ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- CONTRACTOR TO FLAG ALL PROPOSED TREE LOCATIONS FOR OWNER AND LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO EXCAVATION OR INSTALLATION. PLAN LOCATIONS ARE SUBJECT TO FIELD ADJUSTMENTS BY THE LANDSCAPE ARCHITECT.
- LANDSCAPE ARCHITECT TO APPROVE ALL SHRUB AND GROUNDCOVER PLANTING LOCATION AND LAYOUT PRIOR TO INSTALLATION.
- IF LANDSCAPE ARCHITECT IS NOT ON SITE DURING INSTALLATION, CONTRACTOR SHALL PROVIDE DIGITAL PHOTOGRAPHIC DOCUMENTATION DURING INSTALLATION FOR LANDSCAPE ARCHITECT'S REVIEW, DAILY.
- LANDSCAPE CONTRACTOR TO INSURE ALL PLANT MATERIAL IS INSTALLED AT THE CORRECT ELEVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS OR APPROVALS FROM THE FEDERAL, STATE OR LOCAL GOVERNMENT REQUIRED FOR THE WORK INCLUDED IN THIS CONTRACT AND ON THESE DRAWINGS.
- NOTIFY THE OWNER AND LANDSCAPE ARCHITECT OF ANY UNFORESEEN CONDITIONS, I.E., COMPACTED SOIL / SUBGRADE, POOR DRAINAGE, UNCONSOLIDATED SOIL, EROSION, UTILITY CONFLICTS, EXCESSIVE SUN OR SHADE, ETC., PRIOR TO PROCEEDING WITH LANDSCAPE INSTALLATION.
- LANDSCAPE CONTRACTOR TO COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH IRRIGATION CONTRACTOR. LANDSCAPE CONTRACTOR SHALL HAND WATER OR ARRANGE FOR WATERING DURING PLANTING UNTIL IRRIGATION SYSTEM IS 100% OPERABLE. THIS IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR.
- ALL PLANTS SHALL MEET THE MINIMUM STANDARD OF FLORIDA NO. 1 OR BETTER AS SPECIFIED IN GRADE AND STANDARDS FOR NURSERY PLANTS AS PUBLISHED BY THE DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE, LATEST EDITION.
- NURSERY SUPPORT POLES SHALL BE REMOVED AT THE NURSERY, PRIOR TO DELIVERY, AND THAT TREES DELIVERED WITH THE NURSERY POLES WILL NOT BE ACCEPTED; AND THEREFORE REJECTED, WITH THE EXCEPTION OF THE FOLLOWING TREE SPECIES: CLUSIA ROSEA AND SILVER BUTTONWOOD TREES.

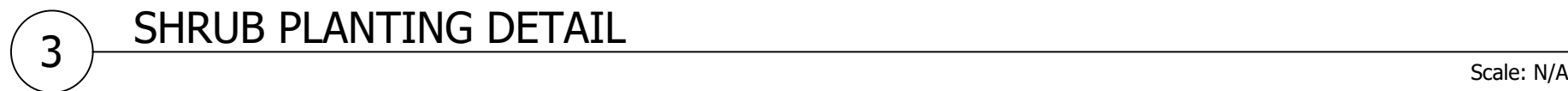
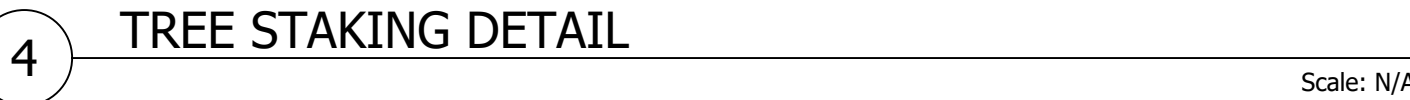
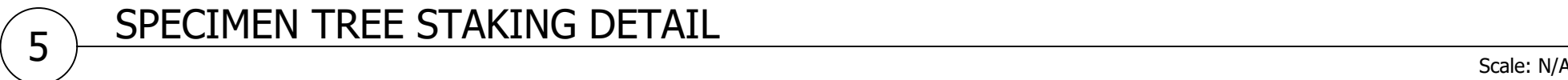
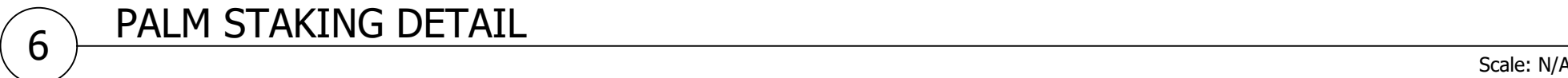
| General Notes | | |
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| 1 | DRB SUBMITTAL | 09/06/22 |
| No. | Revision/Issue | Date |

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| Firm Name and Address |
| shabitat |
| Habitat Landscape Consulting 420 SW 7th St, Office 1112 Miami FL 33130 www.habitatic.com Landscape Architect: Benjamin Noyes License Number: LA6667395 |
| Seal |

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| Project Name and Address |
| 4350 NAUTILUS GARDEN 4350 Nautilus Drive Miami Beach, Florida 33140 |

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| Sheet Name |
| Planting Schedule, Notes and Landscape Legend |

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| Project | Sheet No. |
| 4350 NAUTILUS GARDEN | L3.0 |
| Date | |
| 09/06/2022 | |
| Scale | |



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| Project 4350 NAUTILUS GARDEN | Sheet No. L3.1 |
| Date 09/06/2022 | |
| Scale | |

