



CITY OF COCONUT CREEK

Land Development Code. Plans are incomplete without written notes and specifications.

must be screened on three (3) sides by landscape shrubs.

excluded. Measurement shall be made from top of root ball planted at proper elevation. material. Trees, palms and plant material rejected due to this practice shall be replaced with the inspector on site.

to planting the tree or shrub. All plant material shall be free of pests, insects, disease, weeds, etc.

All required landscape material shall be installed using a planting soil mix comprised of a type appropriate to the individual proposed plant material and the native soil found on the site. All plant material shall be planted at the proper depth, as originally grown and/or so the top of the root ball is flush or slightly

All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area.

the satisfaction of the inspector.

16. All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide 100% coverage with a 50% overlap (minimum) using rust free water, except preserved areas remaining in natural state. A rain sensor device or switch shall be installed that will override the irrigation system when adequate rainfall

p.m. to 8:00 a.m. only or as may be further restricted by South Florida Water Management District or other jurisdictional Irrigation permits and plans shall be submitted for approval at time of building permits.

Management District water use permit prior to issuance of an irrigation permit and installation of the irrigation system as 19. All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, berms,

completed and functional prior to issuance of the first requested certificate of occupancy. parking area, vehicular use area, surrounding ground, etc. Where a berm abuts a sidewalk, there shall be a one (1) foot level

NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".

An inspection is required prior to the backfilling of trees/palms in all parking medians and islands E:\Development Services\PStanton\Documents\Standard Landscape Notes.doc

STANDARD LANDSCAPE NOTES All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants, current edition. Trees shall not be tipped, topped, or shaped prior to installation. Landscape shall be placed to edge of abutting streets, canals, lakes or other lands.

All mechanical equipment, air conditioning, irrigation pump stations and equipment, FPL transformers, pool pumps, etc., NOTE: The quantity of screening shrubs is in addition to the required number of shrubs as provided in the code calculation table. All screening shrubs shall be planted for proper operation of equipment being screened and/or per the requirements of the utility as necessary. All hedge material required for screening purposes shall be planted with branches touching. Adjust on-center spacing as necessary and/or provide additional plants to provide an adequate

Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two inches, tree trunks Guying/staking practices shall not permit nails, screws, wires, etc., to penetrate outer surfaces of trees, palms or other plant

Burlap material, wire cages, plastic/canvas straps, etc., must be cut and removed for the top one-half (1/2) depth of the root ball. Trees and shrubs grown in grow bags or grow bag type material must have such material REMOVED ENTIRELY prior

above finished grade immediately after planting. All trees should provide trunk taper when properly planted at the correct planting depth.

Color-treated or dyed mulch will not be accepted. Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by this permit to

Refer to Coconut Creek Fire Equipment Clear Zone diagram to maintain a safe zone fronting fire hydrants. Do not plant trees, shrubs or groundcover within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical

has occurred. Water shall not be directed and/or provided onto impervious surfaces and/or be designed or installed to throw water over an impervious surface such as a sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 5:00

All non-single family or duplex irrigation systems other than City water systems shall require a South Florida Water

landscape entry features, etc. leading up to and including the model center and/or first certificate of occupancy must be

20. The height of all required, designed and installed berms shall be from the highest adjacent point whether it is the sidewalk, sod area adjacent to the sidewalk prior to the start of incline for the berm.

EVIDENT BEFORE TREES CAN BE MOVED. TRENCHES FOR ROOT PRUNING SHALL BE CUT VERTICALLY TO A DEPTH 6" BELOW THE MAIN BODY OF TREE ROOTS DIRECTLY UNDER THE TRUNK. TRENCHES SHALL BE A MINIMUM OF 8" OR WIDER AS APPROVED BY THE LANDSCAPE ARCHITECT BASED ON THE SIZE OF THE TREE. TRENCH BACKFILL SHALL BE A MIXTURE OF 50-50 OF CLEAN SAND AND NATURAL SOIL WITHOUT DEBRIS OR ROCKS OVER 1° DIAMETER. TREE PROTECTION SHALL BE USED AROUND ALL TREES TO BE MOVED. THE CANOPY OF THESE TREES SHALL NOT BE REDUCED AT TIME OF ROOT PRUNING. ANY STAKING OR BRACING OF THE TREES NECESSARY TO SECURE TREE FROM MOVING DURING THE TIME BEFORE TRANSPLANTING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER ROOT PRUNING. WATERING OF BOTH THE ROOT ZONES AND THE TRENCH AREAS AND THE CANOPY OF THE TREES SHALL BE REQUIRED ON A REGULAR BASIS FOR THE ENTIRE TIME UNTIL ACTUAL MOVING OF THE TREE AND IS PART OF THE CONTRACT. TOTAL APPLIED WATER DURING THIS TIME SHALL BE A MINIMUM OF 2*-2 1/2* PER WEEK EXCLUSIVE OF RAINFALL, THE ROOT AREA SHALL BE KEPT MOIST BUT NOT SATURATED. THE CONDITION OF ALL TREES TO BE TRANSPLANTED SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT ONE WEEK BEFORE ACTUAL MOVING OF THE TREES. HORTICULTURAL CORRECTIONS OR TIME EXTENSIONS MAY BE PLACED ON MOVING THE TREE(S) AT THAT TIME. PREPARATION OF THE NEW HOLES WHERE THE TREES ARE TO BE LOCATED WILL BE SIMILAR TO HOLES FOR NEW TREES AS SHOWN IN PLANTING THE DETAIL. JUST PRIOR TO MOVING THE TREE, THE ROOTBALL SHALL BE EXCAVATED TO THE OUTSIDE OF THE TRENCH TAKING CARE NOT TO DAMAGE THE NEW ROOTS. THE TREE ROOT BALLS SHALL BE WRAPPED IN BURLAP AT ANGLES TO THE BALL'S SURFACE PLANES, ONLY HEMP OR BURLAP TWINE SHALL BE USED TO SECURE THE BURLAPPED WRAPPED BALL, METAL WIRE, MESH OR PLASTIC CORD SHALL NOT BE USED TO SECURE THE BALL. TREES SHALL BE LIFTED BY CLOTH STRAPS AROUND THE ROOT BALL AND IF NECESSARY AROUND THE TREE TRUNK. THE TREE TRUNK AND BALL SHALL BE PROTECTED FROM DAMAGE FROM THE STRAPS BY USE OF PROTECTION LAYERS OF BURLAP TREES SHALL NOT BE DROPPED DURING ANY PHASE OF THE PRUNING, MOVING OR INSTALLATION PROCESSES OF TRANSPLANTING, TREES SHALL BE STAKED IMMEDIATELY AFTER PLANTING STAKES SHALL BE ADJUSTED AS NECESSARY DURING THE PERIOD OF ESTABLISHMENT TO PREVENT DAMAGE TO THE TREE TRUNK. ALL PLANTING NOTES, SPECIFICATIONS AND ADDITIVES AS SPECIFIED FOR NEW TREES SHALL APPLY TO TRANSPLANTED TREES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPLYING A ROOT STIMULATOR AT MFGR'S. RECOMMENDED RATES) TO THE NEWLY PLANTED TREES. BACKFILL SOIL SHALL BE AS SPECIFIED FOR NEWLY PLANTED TREES. AFTER PLANTING CONTRACTOR SHALL REMOVE ALL SUCKER BRANCHING AND POOR BRANCHING STRUCTURES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR WATERING AND CARE OF THE TRANSPLANTED TREES FOR A PERIOD OF 60 DAYS AFTER INSTALLATION OF THE TREES DEPENDING ON PERCOLATION RATES OF SOIL, TREES AND PALMS SHALL BE WATERED TWICE PER DAY FOR THE FIRST TWO WEEKS AND THEN TAPERED OFF TOO ONCE PER DAY FOR THE NEXT TWO WEEKS. WHERE EVER POSSIBLE, A BUBBLER HEAD SHALL BE PLACED WITHIN THE TREE PIT. ALL PERTINENT SPECIFICATIONS, OPERATIONS AND REQUIREMENTS ABOVE SHALL APPLY TO PALMS TO BE TRANSPLANTED EXCEPT AS NEXT NOTED. ALL BACKFILL OF NEW HOLES FOR PALMS SHALL BE CLEAN DEBRIS-FREE SAND WITH NO MORE THAN 30% ORGANIC CONTENT EXCEPT WHERE ORIGINAL SOIL CONDITIONS WARRANT. PALMS SHALL BE PLANTED LEVEL WITH ROOT BALL LEVEL WITH FINISH GRADE UNLESS OTHERWISE APPROVED BY LANDSCAPE ARCHITECT. THE TOP 2"-3" OF THE SAUCER AREA OF A PALM TREE WELL MAY BE TOPSOIL. PALMS SHALL BE TRANSPORTED WITH BALLS BURLAPPED UNLESS PRIOR PERMISSION FROM LANDSCAPE ARCHITECT IS OBAINED IN WRITING. ALL SABAL PALMS TO BE TRANSPLANTED SHALL BE HURRICANE CUT. ON ALL OTHER PALMS, NO PRUNING OF LIVE, GREEN FRONDS SHALL BE PERMITTED WITHOUT PERMISSION OF THE LANDSCAPE ARCHITECT. NO PRUNING OF FRONDS PAST THE 9:00 AND 3:00 POSITION SHALL BE PERMITTED IN ANY CASE. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL TREE WELL BERMS AND STAKING FROM TRANSPLANTED TREES AFTER THE TREES HAVE BEEN ESTABLISHED OR FOR A PERIOD NOT LONGER THAT ONE YEAR AND TO ADJUST OR REPLACE UNDERSTORY PLANTINGS OR SOD AND REMULCH TREE WELLS. 2" X 6" PRESSURE TREATED PINE WITH SHARPENED END DRIVEN INTO UNDISTURBED SOIL; MIN DEPTH 24". INSTALL A MIN. OF 4 STAKES AROUND PERIMETER OF TREE 2" X 4" PRESSURE TREATED PINE HORIZONTAL BAILS NAILED. TO STAKES: SPAN NOT TO EXCEED 10' BETWEEN STAKES. PRE-USED CHAIN LINK FENCE 4' MIN. HT. MAY BE SUBSTITUTED FOR WOOD METAL POSTS SHALL BE PRESSED INTO SOIL A MIN. OF 3 FEET WITH SPACING NO LESS THAN 4' O.C. OR GREATER THAN 8' O.C. MASS PLANTINGS OR ROWS OF TREES MAY BE PROTECTED BY SUPROUNDING THE ENTIRE MASS OR ROW RATHER THAN INDIVIDUAL TREES. 1. BARRICADES AS SHOWN ON THIS DETAIL FOR EXISTING TREES WITH OVER A 30' DIA. CANOPY, SHALL HAVE THE VERTICAL STAKES PLACED AT LEAST 15 FROM THE TRUNK OF THE TREE. EXTEND ROOT BARRIER 5' IN BOTH DIRECTIONS 1. TOP OF ROOT BARRIER MUST BE AT 1/2" ABOVE FIN. GRADE FROM THE CENTER OF THE TREE TRUNK AND PARALLEL 2. POSITION ROOT CONTROL BARRIER AGAINST SIDE OF WALK TO THE SIDEWALK AND ROAD EDGE ON BOTH SIDES AND ROAD PAVEMENT. 3. RAISED ROOT DEFLECTORS MUST BE FACING TOWARD THE TREE. 4. ALL MFGR. SPECIFICATIONS SHALL BE FOLLOWED EXCEPT NO GRAVEL BACKFILL IS REQUIRED FOR LINEAR INSTALLATION. POSITION ROOT BARRIER AGAINST SIDE EDGE OF WALK AND ROAD. - SIDEWALK SIDEWALK -_18" DEEP ROOT BARRIER <u>PLAN</u>

PLANT LIST - RAIN FOREST ENTRY MODIFICATION

3" DEEPROOT BARRIER_

LOCATION AS SHOWN ON PLAN & GENERAL SPECIFICATIONS

BY DEEP ROOT PARTNERS, LP.

TRANSPLANTING OF ALL TREES AND PALMS WILL FOLLOW GOOD HORTICULTURAL PROCEDURES. ALL TREES

TREES ARE TO BE ROOT PRUNED A MINIMUM OF EIGHT (8) WEEKS BEFORE MOVING. NEW ROOT PRODUCTION MUST BE

WILL BE MOVED BY EQUIPMENT OF SUFFICIENT SIZE TO CARRY AND LIFT THE PLANTS AND ROOT BALLS

WITHOUT DAMAGE. BACKHOES, LOADERS, CRANES AND TREE SPADES ARE APPROPRIATE

CUT AND REMOVE ALL TIES FROM TOP

SET ROOT BALL 2" ABOVE FIN. GRADE

INTERLOCKED AROUND TRUNK APPROX. 1/2 TO 2/3 FROM THE TOP OF THE ROOT BALL, ABOVE

TWO PLACES ON EACH GUY FOR VISIBILITY

MINIMUM OF 3 2"x2" ANCHOR STAKES LONG

WITH FINISHED GRADE.

¹⁷2MTSPREAD SPACING FOR ALL HEDGES EXCEPT WHERE

CITY CODE REQUIRES PLANTS TO BE TOUCHING TO FORM A CONTINUOUS VISUAL SCREEN (I.E. SITE UTILITIES,

SPACING PLAN

PLANT MATERIAL SHALL NOT BE

- NOTE: REMOVE BURLAP FROM TOP OF ROOT BALL IF B&B MATERIAL IS USED.

THAN ROOT BALL, MIN.). WHERE SHRUB ARE SHOWN IN PLANTING BEDS, ENTIRE

PLANTING SOIL BACKFILL, WASHED IN

NOT TO SCALE

Planting Soil (Cubic Yards)

TO BE MEASURED IN FIELD

BED TO BE MULCHED.

PARKING LOT PERIMETERS).

. SIDEWALK OR PAVEMENT EDGE. ~

BUILDING WALL OR FENCE

ALONGSIDE ROOT BALL, SET STAKES AT A SLIGHT

PLANTING SOIL BACKFILL, WASHED IN TO AVOID AIR POCKETS. PLANTING BACKFILL SHALL BE

PACKED FIRM UNDER ROOTBALL TO AVOID SETTLING.

WELLINGTON TAPE GUY WRAP

OF ROOT BALL. REMOVE TOP 1/3 OF ALL BURLAP WRAP

AND ALL WIRE BASKETS COMPLETELY, IF WIRE BASKETS

TRUNK FLAIR OR FIRST ORDER ROOTS. MUST BE VISIBLE

FIRST BRANCHING IF POSSIBLE. DRAW TAPE TIGHT AND

ALL TREES 2' AND UNDER SHALL BE STAKED AS SHOWN ON THIS DETAIL.

ALL TREES OVER 2" DBH SHALL BE STAKED USING TERRA

TOGGLE ROOTBALL STAKING SYSTEM (SEE DETAIL IF APPLICABLE)

MULCH UP TO SIDE OF EXPOSED ROOT BALL + BALANCE OF

PIT AREA. NO MULCH OR SOIL SHALL BE PLACED ON TOP OF

FLAG TAPE WITH BRIGHT COLOR FLAGGING RIBBON IN

CANNOT BE REMOVED, CUT ALL WIRES BETWEEN WIRE GRID.

NOTE: The quantities on this plant list are to be used as a guide only. Bidder shall do independent takeoff for bidding purposes. * Denotes native plants.

CT =CLEAR TRUNK GW = GREY WOOD DBH = DIAMETER BREAST HEIGHT (4 1/2') OA = OVERALL HEIGHT FTB= FULL TO BASE HVY= HEAVY TRUNK CAL= CALIPER @ 6" / 12" PER GRADES & STDS. SING.= SINGLE TRUNK DBL= DOUBLE TRUNK TRP.= TRIPLE TRUNK STD.= TREE STANDARD MULT = MULTI-TRUNK STAG = STAGGERED HEIGHTS B&B= BALLED AND BURLAPPED FG= FIELD GROWN ALL PLANT MATERIALS MUST ADHERE TO CURRENT GRADES AND STANDARDS FOR FLORIDA NUMBER ONE QUALITY

ROOT CONTROL BARRIER INSTALLATION DETAIL & SPECIFICATIONS

| | | | OA | | TRUNK | TRUNK | |
|----------------------------|--|--------------------|--------|---------------|--------|-------|-----------------|
| <u>SYM</u> | ONT BOTANICAL NAME | COMMON NAME | HEIGHT | SPREAD | SPECS. | DIA. | COMMENTS |
| CI | 40 Chrysobalanus icaco | *Cocoplum | 24" | 18" | | | Full |
| FGI | 25 Ficus microcarpa | Green Island Ficus | 18" | 18" | | | |
| LJ10 | 4 Ligustrum japonicum | Wax Privet | 10' | 6' | 4'CT | | MULT |
| PO6 | 32 Podocarpus makii | Yew Podocarpus | 6' | 3' | | | Fuli |
| SAGC | 25 Schefflera arborcola "Gold Capella" | Var. Schefflera | 24" | 18" | | | |
| QV14 | 1 Quercus virginiana | *Live Oak | 14' | 7' | 4.5'CT | 3"dbh | |
| OTHER LANDSCAPE MATERIALS: | | | | | | | |
| MUL | Mulch (in Bags) | | • | | | | As needed |

As needed

BY DEEP ROOT PARTNERS, LP.

SECTION

Standards for Nursery Plants, part I (current edition) and part II (current edition). All tree trunk calipers shall be measured at 4 1/2' above top of root ball. Landscaping shall be placed to edge of abutting streets, canals,

lakes or other lands. 2. Palms shall be planted so that all heads are clear of building walls and windows at mature spread. 3. All Sabal Palms, Queen Palms, Washingtonia Palms, Phoenix varieties and all other single trunk, upright varieties with six foot (6') of clear trunk or greater shall be staked as detailed. 4. All trees shall be planted so that heads will be clear of building walls and windows at mature spread. Trees shall not be located closer that twenty feet (20") from light poles. Locations of all trees planted in Rights-Of-Way or utility easements shall be confirmed by the landscape contractor with

the City Engineer before installation. 5. All trees and Palms shall be kept in an upright position. Under no circumstances shall any support method used employ the driving of nails or other mechanical devices of any kind into the bark of any tree or palm. Trees rejected due to this type of damage shall be replaced with the inspector on site. Burlap material, wire cages, plastic straps, etc. must be cut and removed from the top one-half (1/2) of the root ball. Trees grown in "grow bag" type of materials must have the "grow bags" removed entirely prior to planting the tree. 6. All major trees within or overhanging pedestrian areas shall

GENERAL SPECIFICATIONS

1. All plant materials shall be Florida No. 1 or better as set

forth by the Florida Department of Agriculture, Grades and

movement under trees. 7. All hedges shall be planted with twelve inches (12") clear space between outer branches and building walls, fences or pavement edges at the time of planting. Required hedge plants shall be planted with branches touching, as required by municipal code. All mechanical equipment, air conditioning, irrigation pumps, FPL transformers, pool pumps, etc., must be screened on three (3) sides

have a clear trunk high enough to allow unobstructed pedestrian

8. Irrigation source shall be from well by underground, automatic, rust free system with 100% coverage and a minimum of 50% overlap of spray. Irrigation rain sensor shall be installed. Irrigation water shall not be directed onto or over impervious surfaces. Irrigation systems shall operate and be designated to operate between the hours of 5:00 PM and 8:00 AM. Irrigation systems other than City water shall require a South Florida Water Management District water use permit prior to the issuance of the required irrigation permit from the City and/or the operation of the irrigation system. Approved irrigation permits shall be required from the City prior to installation. 9. Planting soil shall be at least 50% muck and 50% sand pulverized and weed free, to be mixed with existing soil free from rocks and debris and backfilled into plant pits by washing in. Planting soil for Sabal Palms shall be clean sand. Existing soil may be used for planting soil if approved by the Landscape Architect. 10. Fertilizer for trees and shrubs shall be a general purpose 50% organic fertilizer (6-6-6) with minor elements, iron and manganese and shall be mixed with the planting soil at the time

of backfilling. Fertilizer for palms shall be a palm special type to include manganese and magnesium sulfate. Application rates for all fertilizers at the time of planting shall be 1/2 the manufacturers recommendations for established

11. Mulch shall be shreaded cypress, eucalyptus or florimulch grade "B" or better set at a 2" minimum depth and wet down to

the trunk of any tree.

12. Sod shall be Stenotaphrum secundatum "Floritam" solid sod, weed free and set with staggered joints. Sod shall be placed on all areas not used for buildings, vehicular use areas, walks or planting beds and shall extend to any abutting street pavement edge and to the mean waterline of any abutting canal, lake or waterway. Sod shall be placed no closer that two (2) feet from

13. Planting plans take precedence over plant lists. The Landscape Contractor shall be responsible for doing his own takeoff. The Landscape Contractor shall familiarize himself with the municipal code and deed restrictions of the City of Coconut Creek. All existing codes, specifications, and deed restrictions shall apply. All landscaping shall meet or exceed these minimum requirements as stated in the City of Coconut Creek Land Development Code. The more stringent requirements shall apply.

14. The Landscape Contractor shall be aware of the locations of all easements and utilities above and below ground and coordinate plant locations before digging operations begin. All plant pits located in easements shall be hand dug. 15. The Landscape Contractor shall provide a written guarantee to the Owner for all plant materials and workmanship for a period no less than ONE YEAR from the time of final inspection

and acceptance by the Owner.

At the end of the guarantee period, all plant materials shall be inspected by the Landscape Contractor and the Owner. All plants that are in a healthy, growing condition at the time of the inspection shall be free from further guarantee and shall be the Owners responsibility. All plants that are in questionable condition due to transplant shock shall continue under the quarantee until recovery or, if deemed severely retarded in growth or dead, shall be replaced. Replaced or relocated plant material shall be guaranteed for the same one year time period and under the same conditions as the original plant material. All plants shall be free from harmful plant pests at the time of planting. 16. Sight distance concerns must be maintained for clear sight visibility

from thirty (30) inches to seventy-two (72) inches, tree trunks excluded 17. All site amenities to include street and internal lighting, landscaped common areas, entrances, open space, irrigation, buffers, etc. leading to and including the first certificate of occupancy, must be completed and functional prior to the issuance of the requested certificate of occupancy 18. All common area landscape shall require permits from the City prior