PROPOSED PLANT LIST
TREES / PALMS

Code	DroughtTY.	Botanical Name / Common Name	Specifications
CN	(N)	<i>Coccoloba</i> / Coconut Palm	B&B Field Grown, 8" CT, 14" OA
EF	(N)	<i>Eugenia foetida</i> / Spanish Stopper	B&B Field Grown, 3" DBH, 6" Wide, 16" OA
PE	(N)	<i>Ptychosperma elegans</i> / Solitaire Palm	B&B Field Grown, 12" CT, 22" OA
QV	(N)	<i>Quercus virginiana</i> / Live Oak	B&B Field Grown, 4" DBH, 6" Wide, 16" OA
TC	(N)	<i>Tournefortia</i> / Yellow Tab	B&B Field Grown, 4" DBH, 6" Wide, 16" OA

ACCENTS / SHRUBS / GROUND COVERS

ANN	(N)	84	Annual Seasonal	6" Pot, 9" OA, 12" OC
JNC	(N)	37	<i>Juniperus conferta</i> / Shore Juniper	18" Tall x 18" Wide
PM	(N)	92	<i>Podocarpus macrocarpa</i> / Podocarpus	24" Tall x 24" Wide, 2" OC
PE	(N)	70	<i>Pedocarpus pringles</i> / Pringles	12" Tall x 12" Wide, 18" OC
PX	(N)	9	<i>Philodendron xanadu</i> / Xanadu	24" Tall x 24" Wide, 2" OC
SAV	(N)	33	<i>Schefflera arboricola variegata</i> / Trinitte	24" Tall x 24" Wide, 2" OC
VS	(N)	44	<i>Viburnum odorata</i> / Viburnum	24" Tall x 24" Wide, 2" OC

MISCELLANEOUS

SOD	Stenotaphrum secundatum / St. Augustine 'Floratan'	Solid application - no gaps between seams
M	Moderate Drought Tolerance	L Low Drought Tolerance
(N)	Florida Native Plant Species	V Very Drought Tolerant

PRE-CONSTRUCTION MEETING

Pre-construction meeting with Urban Forestry is required before any site work commences and plant material is installed.

All trees designated as single trunk shall have a single, relatively straight, dominant leader, proper structural branching and even branch distribution. Trees with bark inclusion, tipped branches, and co-dominant trunks will not be accepted. Trees with girdling, intact leader circling and/or plunging roots will be rejected.

all road rock, concrete, asphalt and other non natural material be removed from all planting areas prior to landscape installation and be replaced with planting soil prior to landscape installation.

All tree work will require permitting by a registered Broward County Tree Trimmer.

PROPOSED PLANT LIST VALUE TREES/PALMS PROPOSED

Code	QTY.	Botanical Name / Common Name	Value Each	Total Value
CN	3	<i>Coccoloba</i> / Coconut Palm	\$ 1250	\$ 3,750
EF	6	<i>Eugenia foetida</i> / Spanish Stopper	\$ 650 (9" DBH Inches)	\$ 3,900
PE	12	<i>Ptychosperma elegans</i> / Solitaire Palm	\$ 650	\$ 7,800
QV	2	<i>Quercus virginiana</i> / Live Oak	\$ 750 (8" DBH Inches)	\$ 1,500
TC	3	<i>Tournefortia</i> / Yellow Tab	\$ 550 (12" DBH Inches)	\$ 1,650
			TOTAL	\$ 18,600

MITIGATION CALCULATIONS

REMOVAL - Hardwood Tree Values = \$ 5,927.56

REMOVAL - Palm Total = 29

REMOVAL - Non Specimen less than 18" and 60% Value = 0"

REMOVAL - Invasives - Quantity 8

Trees/Palms above Code = 6 Trees + 9 Palms = \$ 3,600 Trees + \$ 5,850 Palms

18" DEEPROOT TREE ROOT BARRIERS

SPECIFIED TREE ROOT BARRIERS ARE A MECHANICAL BARRIER AND ROOT DEFLECTOR TO PREVENT TREE ROOTS FROM DAMAGING HARDSCAPES AND LANDSCAPES. ASSEMBLED IN 2' LONG MODULES WITH RIGID JOINDER STRIPS TO CREATE VARYING SIZES OF CYLINDERS FOR SURROUNDING ROOT BALLS (SURROUND PLANTING STYLE) OR FOR LINEAR APPLICATIONS (LINEAR PLANTING STYLE). A HARDSCOPE ADJACENT TO ONE SIDE OF THE TREES (LINEAR PLANTING STYLE).

A. MATERIALS

1. THE CONTRACTOR SHALL FURNISH AND INSTALL TREE ROOT BARRIERS AS SPECIFIED. THE TREE ROOT BARRIERS SHALL BE PRODUCT # UB-16-2 AS MANUFACTURED BY DEEP ROOT PARTNERS, L.P., 345 LORTON AVE. #103, BURLINGAME, CA 94010 (415) 544-1464 (800) 458-7668, OR APPROVED EQUAL. THE BARRIER SHALL BE BLACK, INJECTION MOULDED PANELS, OF .080" WALL THICKNESS IN MODULES 24" LONG BY 18" DEEP, MANUFACTURED WITH A MINIMUM 50% POST CONSUMER RECYCLED POLYPROPYLENE PLASTIC WITH ADDED ULTRAVIOLET INHIBITORS, RECYCLABLE. EACH PANEL SHALL HAVE:

NOT LESS THAN 4 MOULDED INTEGRAL VERTICAL ROOT DEFLECTING RIBS OF AT LEAST 0.06" THICKNESS PROTRUDING 1/2" AT 90° FROM INTERIOR OF THE BARRIER PANEL, SPACED 6" APART. (SEE PANEL DRAWING BELOW)

A DOUBLE TOP EDGE CONSISTING OF TWO PARALLEL INTEGRAL HORIZONTAL RIBS AT THE TOP OF THE PANEL OF A MINIMUM 0.06" THICKNESS, 7 1/4" WIDE AND 1/4" APART WITH THE LOWER RIB ATTACHED TO THE VERTICAL ROOT DEFLECTING RIBS. (SEE DETAIL "A")

A MINIMUM OF 9 PART-LIFT GROUND LOCK TABS CONSISTING OF INTEGRAL HORIZONTAL RIBS OF A MINIMUM 0.06" THICKNESS IN THE SHAPE OF A SEGMENT OF A CIRCLE, THE 2 1/4" CHORD OF THE SEGMENT JOINING THE PANEL WALL AND THE SEGMENT PROTRUDING 3/8" FROM THE PANEL. THE NINE GROUND LOCKS ON EACH PANEL SHALL BE ABOUT EQUALLY SPACED BETWEEN EACH OF THE VERTICAL ROOT DEFLECTING RIBS (3 BETWEEN EACH SET OF RIBS. SEE DETAIL "B").

A SELF LOCKING RIGID JOINDER STRIP TO CONNECT ONE PANEL TO ANOTHER WITH A SEPARATION STRESS TEST OF 1000 POUNDS AT THE MOMENT OF SEPARATION. (SEE DETAIL "C")

2. THE BASIC PROPERTIES OF THE MATERIAL SHALL BE:

TEST	ASTM TEST METHOD	VALUE	COPOLYMER POLYPROPYLENE
TENSILE STRESS @ YIELD	D638	3800	PSI
ELONGATION @ YIELD	D638	6.3%	
FLEXURAL MODULUS	D790B	155,000	PSI
NOTCHED IZOD IMPACT	D256A	7.1	
ROCKWELL HARDNESS R, SCALE	D785A	68	

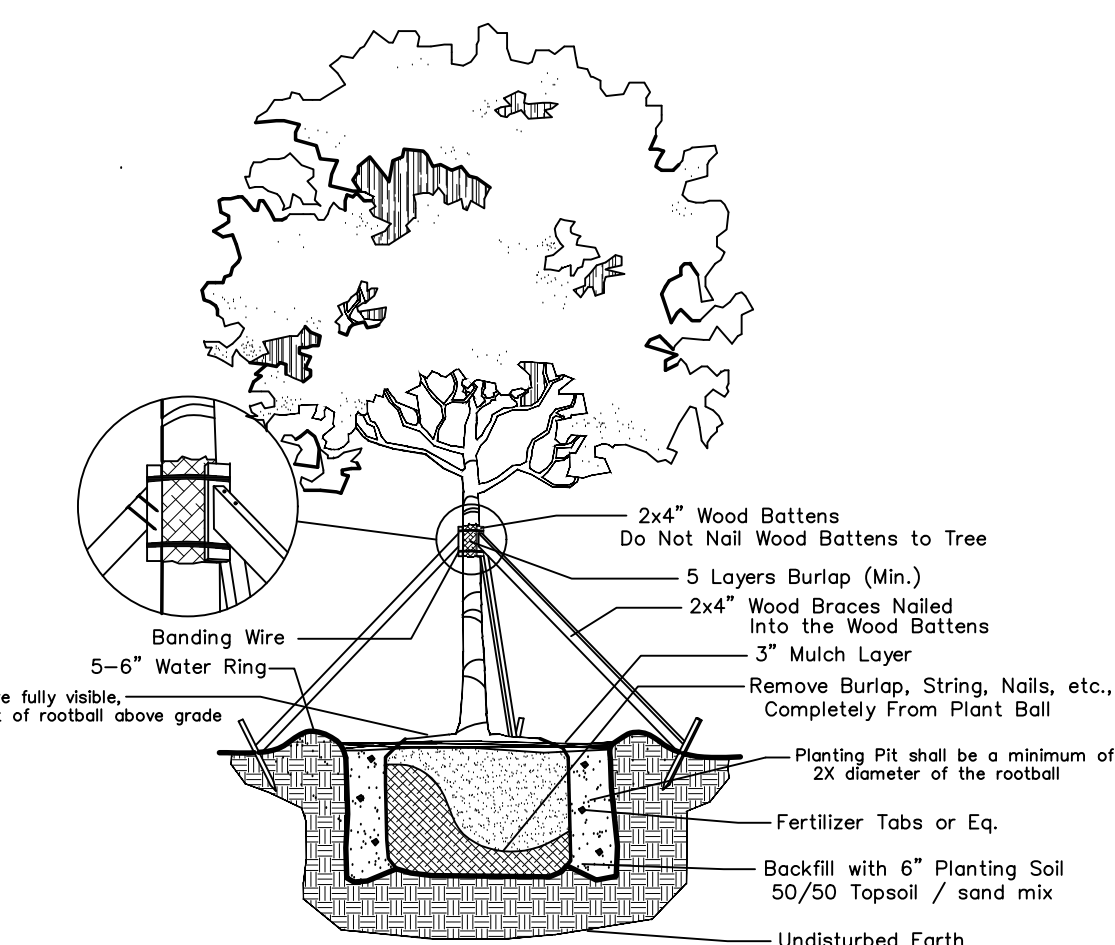
U.S. PATENTS: 5,305,549 AND 5,070,642; OTHER PATENTS PENDING.

B. CONSTRUCTION AND INSTALLATION

1. THE CONTRACTOR SHALL INSTALL THE TREE ROOT BARRIERS WITH THE NUMBER OF PANELS AND IN THE MANNER SHOWN ON THE DRAWINGS. THE VERTICAL ROOT DEFLECTING RIBS SHALL BE FACING INWARDS TO THE ROOT BALL AND THE TOP OF THE DOUBLE EDGE SHALL BE 1/2" ABOVE GRADE. EACH OF THE REQUIRED NUMBER OF PANELS SHALL BE CONNECTED WITH THE RIGID JOINDER STRIPS TO FORM A CIRCLE AROUND THE ROOT BALL OR WHERE SPECIFIED JOINED IN A LINEAR FASHION AND PLACED ALONG THE ADJACENT HARDSCOPE.

2. EXCAVATION AND SOIL PREPARATION SHALL CONFORM TO THE DRAWINGS

3. THE TREE ROOT BARRIERS SHALL BE BACKFILLED ON THE OUTSIDE WITH 3/4" TO 1 1/2" GRAVEL OR CRUSHED ROCK AS SHOWN ON THE DRAWINGS. NO GRAVEL BACKFILL IS REQUIRED FOR A LINEAR PLANTING.



Large Tree Planting Detail

TABLE 155.203.C MINIMUM DEVELOPMENT SITE LANDSCAPING			
Lot Type And Size	BACK ZONING DISTRICT		
	RS-1, RS-2, RS-3, RS-4, RS-5, RD-1, Min-12	RHS-12, RHS-20, RHS-30, RHS-40	RS-1, RS-2, RS-3, RS-4, RS-5, RS-6, RS-7, RS-8, RS-9, RS-10, RS-11, RS-12, OIP, TO, BP
Corner lots no more than 7,000 sq ft in area	5 trees and 20 shrubs	1 tree and 5 shrubs per 3,000 sq ft of lot area or major fraction thereof	1 tree and 5 shrubs per 3,000 sq ft of lot area or major fraction thereof
Other lots no more than 7,000 sq ft in area	3 trees and 20 shrubs	1 tree and 5 shrubs per 3,000 sq ft of lot area or major fraction thereof	2 trees and 5 shrubs per 2,000 sq ft of lot area or major fraction thereof
Corner lots more than 7,000 sq ft in area	6 trees and 20 shrubs	1 tree and 5 shrubs per 3,000 sq ft of lot area or major fraction thereof	2 trees and 5 shrubs per 2,000 sq ft of lot area or major fraction thereof
Other lots more than 7,000 sq ft in area	4 trees and 20 shrubs	1 tree and 5 shrubs per 3,000 sq ft of lot area or major fraction thereof	2 trees and 5 shrubs per 2,000 sq ft of lot area or major fraction thereof

ZONE RM

REQUIRED: 1 tree and 5 Shrubs per 3,000 SF or Fraction there of

PROVIDED: 9,295 SF developed = 3 Trees Required, and 15 Shrubs Required, Exceeds Site Minimum

NOTES:

GENERAL PLANTING REQUIREMENTS

All sizes shown for plant material on the plans are to be considered Minimum.

All plant material must meet or exceed these minimum requirements for both height and spread. Any other requirements for specific shape or effect as noted on the plan(s) will also be required for final acceptance.

All plant material furnished by the landscape contractor shall be Florida #1 or better as established by "Grades and Standards for Florida Nursery Plants" and "Grades and Standards for Florida Nursery Trees". All material shall be installed as per CSI specifications.

All plant material as included herein shall be warranted by the landscape contractor for a minimum period as follows: All trees and palms for 12 months, all shrubs, vines, groundcovers and miscellaneous planting materials for 90 days, and all lawn areas for 60 days after final acceptance by the owner or owner's representative.

All plant material shall be planted in planting soil that is delivered to the site in a clean loose and friable condition. All soil shall have a well drained characteristic. Soil must be free of all rocks, sticks, and objectionable material including weeds and weed seeds as per CSI specifications.

Twelve inches (12") of planting soil 50/50 sand/topsoil mix is required around and beneath the root ball of all trees and palms, and 1 cubic yard per 50 bedding or groundcover plants.

All landscape areas shall be covered with Eucalyptus or sterilized seed free Melaleuca mulch to a minimum depth of three inches (3") of cover when settled. Cypress bark mulch shall not be used.

All plant material shall be thoroughly watered in at the time of planting; no dry planting permitted. All plant materials shall be planted such that the top of the plant ball is flush with the surrounding grade.

All landscape and lawn areas shall be irrigated by a fully automatic sprinkler system adjusted to provide 100% coverage of all landscape areas. All heads shall be adjusted to 50% overlap as per manufacturers specifications and performance standards utilizing a rust free water source. The system shall be installed with a rain sensor.

It is the sole responsibility of the landscape contractor to insure that all new plantings receive adequate water during the installation and during all plant warranty periods. Deep watering of all new trees and palms and any supplemental watering that may be required to augment natural rainfall and site irrigation is mandatory to insure proper plant development and shall be provided as a part of this contract.

Special Note

No items to be stored higher than the screening wall or fence.

All plant material shall be installed with fertilizer, which shall be State approved as a complete fertilizer containing the required minimum of trace elements in addition to N-P-K, of which 50% of the nitrogen shall be derived from an organic source as per CSI specifications.

Contractors are responsible for coordinating with the owners and appropriate public agencies to assist in locating and verifying all underground utilities prior to excavation.

All ideas, designs and plans indicated or represented by this drawing are owned by and are the exclusive property of Wayne K. Tanning, RLA.

The plan takes precedence over the plant list.

SPECIAL INSTRUCTIONS

General site and berm grading to +/- 1 inch (1") shall be provided by the general contractor. All finished site grading and final decorative berm shaping shall be provided by the landscape contractor.

All sod areas as indicated on the planting plan shall receive Stenotaphrum secundatum, St. Augustine 'Floratan' solid sod. It shall be the responsibility of the landscape contractor to include in the bid, the repair of any sod which may be damaged from the landscape installation operations.

Special Note

No items to be stored higher than the screening wall or fence.

All plant material shall be installed with fertilizer, which shall be State approved as a complete fertilizer containing the required minimum of trace elements in addition to N-P-K, of which 50% of the nitrogen shall be derived from an organic source as per CSI specifications.

Contractors are responsible for coordinating with the owners and appropriate public agencies to assist in locating and verifying all underground utilities prior to excavation.

All ideas, designs and plans indicated or represented by this drawing are owned by and are the exclusive property of Wayne K. Tanning, RLA.

The plan takes precedence over the plant list.

SPECIAL INSTRUCTIONS

General site and berm grading to +/- 1 inch (1") shall be provided by the general contractor. All finished site grading and final decorative berm shaping shall be provided by the landscape contractor.

All sod areas as indicated on the planting plan shall receive Stenotaphrum secundatum, St. Augustine 'Floratan' solid sod. It shall be the responsibility of the landscape contractor to include in the bid, the repair of any sod which may be damaged from the landscape installation operations.

Special Note

No items to be stored higher than the screening wall or fence.

All plant material shall be installed with fertilizer, which shall be State approved as a complete fertilizer containing the required minimum of trace elements in addition to N-P-K, of which 50% of the nitrogen shall be derived from an organic source as per CSI specifications.

Contractors are responsible for coordinating with the owners and appropriate public agencies to assist in locating and verifying all underground utilities prior to excavation.

All ideas, designs and plans indicated or represented by this drawing are owned by and are the exclusive property of Wayne K. Tanning, RLA.

The plan takes precedence over the plant list.

SPECIAL INSTRUCTIONS

General site and berm grading to +/- 1 inch (1") shall be provided by the general contractor. All finished site grading and final decorative berm shaping shall be provided by the landscape contractor.

All sod areas as indicated on the planting plan shall receive Stenotaphrum secundatum, St. Augustine 'Floratan' solid sod. It shall be the responsibility of the landscape contractor to include in the bid, the repair of any sod which may be damaged from the landscape installation operations.

Special Note

No items to be stored higher than the screening wall or fence.

All plant material shall be installed with fertilizer, which shall be State approved as a complete fertilizer containing the required minimum of trace elements in addition to N-P-K, of which 50% of the nitrogen shall be derived from an organic source as per CSI specifications.