NOTE:

All interior trees, and general trees shall be selected from the following list. All required shrubs and groundcovers shall also be selected from the following list. Required Lee County native/drought tolerant requirements shall be maintained. 75% of trees shall be native species, and 50% of all shrubs shall be native species.

PROHIBITED EXOTIC SPECIES

Womans Tongue - Albezia lebbeck
Bishopwood - Bishovia javonica
Carrotwood - Cupianopsis spp.
Rosewood - Dalbergia sissoo
Murry Red Gum - Eucalyptus spp.
Benjamin Fig - Ficus benjamina
Cuban Laurel - Ficus retusa
Chinese Tallow - Sapium sebiferium
Java Plum - Syzygium cumin
Rose Apple - Syzygium jambos
Cork Tree - Thespisia spp.
Wedellia - Wedillia trilobata

SPECIES TO BE REMOVED

Melaleuca - Melaleuca quinquenervia
Brazilian Pepper - Schinus terebinthifolius
Australian Pine - Casuarina spp. (All)
Earleaf Acacia - Acacia auriculiformis
Downy Rosemyrtle - Rhodomyrtus tomentosus
Tropical Soda Apple - ASolanum viarum

EXOTIC SPECIES REMOVAL

All exotic and invasive plant species shall be removed from the site prior to issueance of any C.O. These species include, but are not limited to Brazilian Pepper, melaleuca, Earleaf Acacia, Downey Rosemyrtle, Tropical Soda Apple and Australian Pine. The site shall be maintained free from all exotic and invasive species in perpetuity.

NOTE:

One tree per 3,000 S.F. of developed area and 2 trees per lot will be installed at time of home construction.

NOTE:

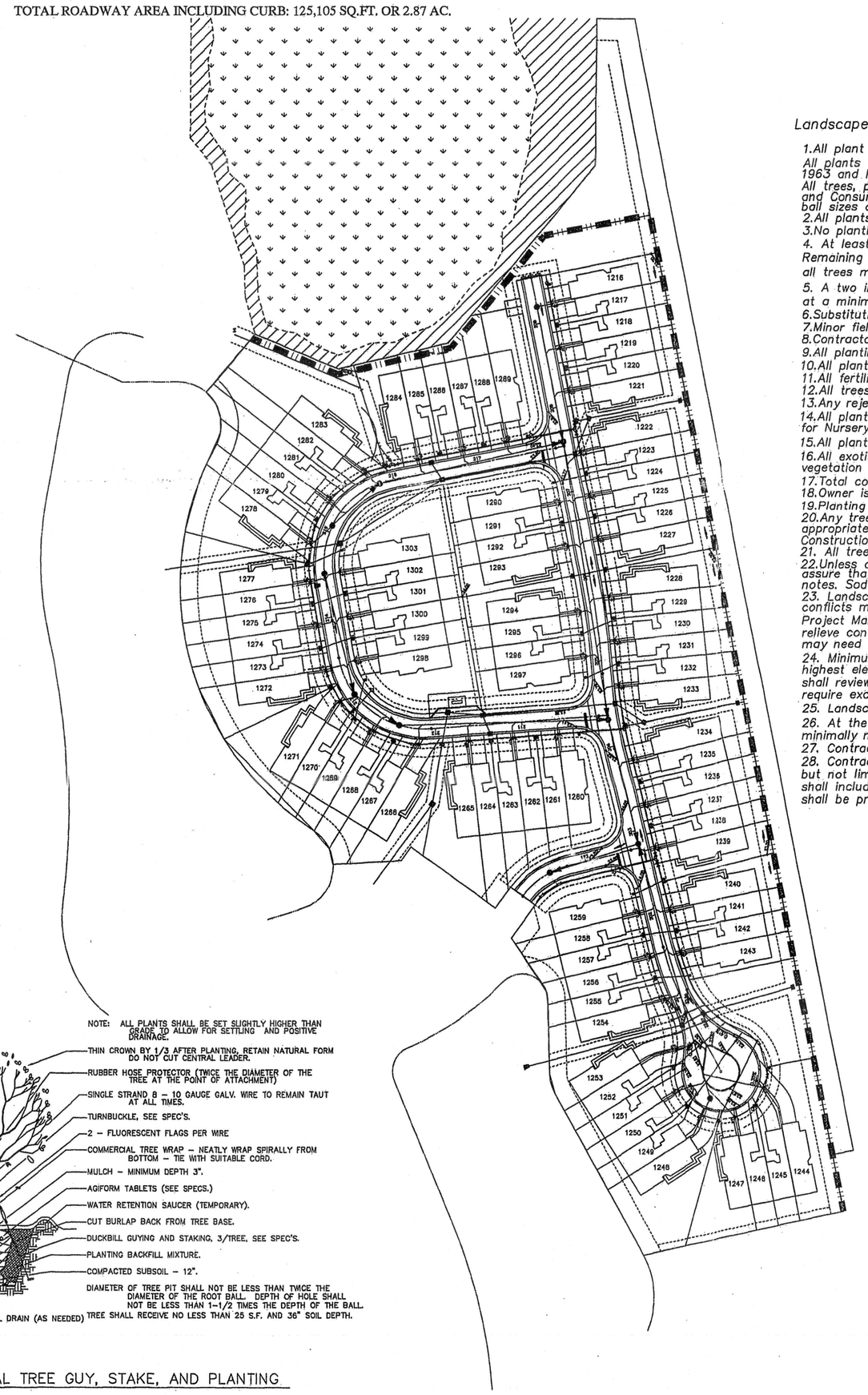
1. A total of 185 general trees shall be installed. Required native ratios shall apply.
2. Lake 109 is not included in this D.O.
3. See sheet L2 for further landscape specifications

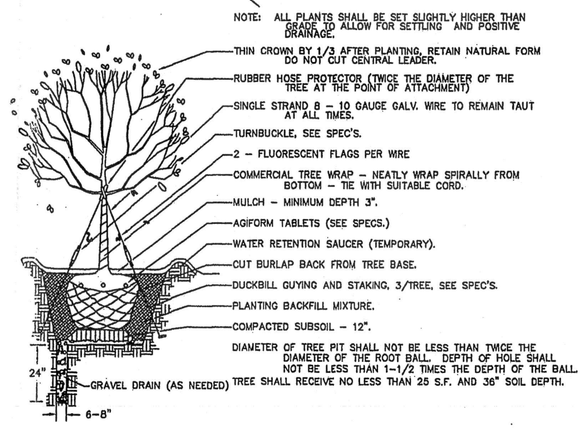
PLANT LIST
FOR LEE COUNTY SUBMISSION

	COMMON NAME	SCIENTIFIC NAME	HEIGHT AND SPREAD	SPACING	ADDITIONAL COMMENTS
TREES & PALMS					
	LIVE OAK	QUERCUS VIRGINIANA	10' O.A. 2" CAL.	AS SHOWN ON PLAN	IN PARKING LOT & BUFFERS
	WAX MYRTLE	MYRICA CERIFERA	10' O.A.	AS SHOWN ON PLAN	TREE FORM
	LIGUSTRUM	LIGUSTRUM JAPONICUM	8' O.A.	AS SHOWN ON PLAN	TREE FORM, MULTI-TRUNK 4'-5' SPR.
	MAHOGANY	SWIETENIA MAHOGONI	10' O.A. 2" CAL.	AS SHOWN ON PLAN	IN PARKING LOT & BUFFERS
	MAGNOLIA	MAGNOLIA GRANDIFOLIA	10' O.A. 2" CAL.	AS SHOWN ON PLAN	IN PARKING LOT & BUFFERS
SHRUBS & GROUNDCOVERS					
	ANNUALS	ANNUALS	1 GAL.	12" O.C.	ACCENTS
	SILVER BUTTONWOOD	CONOCARPUS ERECTUS	3 GAL. 36" HT.	3' O.C.	P/L BUFFER D
	DIETES VEGETA	AFRICAN IRIS	1 GAL.	24" O.C.	ACCENTS
	WILD OLIVE	FORESTERIA SEGREGATA	10 GAL. 4' HT.	5' O.C.	BUILDING CORNERS
	DWARF YAUPON HOLLY	ILEX VOMITORIA 'NANA'	1 GAL.	24" O.C.	
	DOWNY JASMINE	JASMINUM MULTIFLORUM	3 GAL. 24" HT.	3' O.C.	PARKING ISLANDS
	MRYSINE	MYRSINE GUIANENSIS	10 GAL. 3' HT.	4' O.C.	AROUND
	PITTOSPORUM	PITTOSPORUM TOBRIA	3 GAL. 24" HT.	3' O.C.	BUILDING PERIMETER
	INDIAN HAWTHORNE	RAPHIOLEPIS INDICA	3 GAL. 24" HT.	3' O.C.	PARKING ISLANDS
	SAW PALMETTO	SERENOA REPENS	3 GAL. 24" HT.	3' O.C.	PARKING ISLANDS
	SAND CORD GRASS	SPARTINA BAKERI	3 GAL. 24" HT.	3' O.C.	DETENTION AREA
	SANDANKWA VIBURNUM	VIBURNUM SUSPENSUM	3 GAL. 24" HT.	3' O.C.	P/L BUFFE
OTHER					
SOD	TO BE DETERMINED BY CONTRACTOR	ST.AUGUSTINE FLORATAM		WHOLE PIECES ONLY, NO PLUGS, LAID END TO END, TIGHT JOINTS	
MULCH	TO BE DETERMINED BY CONTRACTOR	PINE STRAW	100% GRADE A PINE STRAW MULCH, 2"-3" DEEP AFTER WATERING IN		

OPEN SPACE CALCULATIONS

TOTAL UNIT 13 SITE: 553,827 SQ.FT. OR 12.71 AC.
OPEN SPACE REQUIRED 40% OF TOTAL SITE: 553,827 X .4 = 221,530 SQ.FT. OR 5.08 AC.
OPEN SPACE PROVIDED: PART OF EASEMENT (NOT MORE THAN 20% OF TOTAL REQUIRED) = 79,006 SQ.FT. OR 1.81 AC. ONLY USE 44,306 SQ.FT. OR 1.02 AC.
LANDSCAPED OPEN SPACE = 126,790 SQ.FT. OR 2.91 AC.
TOTAL OPEN SPACE PROVIDED: 171,096 SQ.FT. OR 3.93 AC. = 30.9 %
TOTAL BUILDING FOOT PRINT AREA: 166,608 SQ.FT. OR 3.82 AC.
TOTAL ROADWAY AREA INCLUDING CURB: 125,105 SQ.FT. OR 2.87 AC.

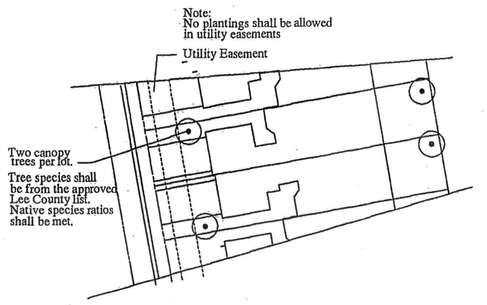




TYPICAL TREE GUY, STAKE, AND PLANTING
(NO SCALE)

Landscape Notes:

1.All plant size specifications on this plan shall be considered the minimum acceptable size for installation. All plants to be Florida no. 1, or better as outlined under 'Grades and Standards for Nursery Plants, Part I, 1963 and Part II, State of Florida Department of Agriculture, Tallahassee, Florida, and any amendments thereto. All trees, palms and plant material shall be planted in accordance with the specifications described in the State Department of Agriculture and Consumer Services, Division of Forestry, 'Tree Protection Manual for Builders and Developers', October 1981, including all amendments. Root ball sizes on all transplanted materials must also meet state standards.
2.All plants must meet or exceed these specifications.
3.No plantings shall be allowed within easements.
4. At least 50% of general trees shall be a minimum 10 feet in height, have a 4' spread, and have a minimun 2" caliper measured 12" above the ground. Remaining trees must be a minimum of 6 feet in height, have a one inch caliper at 12 inches above the ground, and a three foot spread. After January 1, 2000 all trees must meet the larger size requirement.
5. A two inch layer of organic mulch shall be placed and maintained (after watering in) around all newly installed landscape plants. Each tree shall have, at a minimum, a 24" ring of mulch in all directions at the base.
6.Substitutions will be made only with approval from the Landscape Architect and Project Planner.
7.Minor field adjustments may be made without the approval of the Landscape Architect.
8.Contractor is responsible for locating all utilities on-site prior to installation.
9.All planting soil shall be free of all trash and debris larger than 1" in diameter.
10.All planting soil shall have a Ph of 6.5 to 7.5. Adjustments to Ph may be made with chemical applications.
11.All fertilizers used shall be a slow release formulation with a complete minor element package that is also slow
12.All trees shall be guyed or braced to provide support until established.
13.Any rejected plant material must be replaced prior to final project acceptance by the owner
14.All plant material shall conform to meet the standards for Florida #1 or better as set forth in Grades and Standards for Nursery Plants, Parts I & II, Department of Agriculture, State of Florida, including all amendments.
15.All plant materials shall be installed according to the best horticultural standards and methods.
16.All exotic vegetation, as defined by the LDC, shall be cleared from the site. In areas where existing vegetation is to be preserved, clearing shall be by hand. Vegetation to remain shall be protected by construction fencing.
17.Total code requirements for native species must be satisfied if plant substitutions are made.
18.Owner is responsible for annual exotic removal, and for maintaining the required plantings, in perpetuity.
19.Planting plan takes precedence over plant list.
20.Any trees that are transplanted shall be transplanted according to the best horticultural practices appropriate to that species. Construction fencing shall be placed around all trees that are transplanted Construction fencing shall also be placed around all trees to remain.
21. All tree protection barriers shall remain in place until project completion.
22.Unless otherwise provided for, all disturbed areas shall receive sod. Contractor responsible for coordination with all plans to assure that sod is provided for both on-site and off-site improvement areas. Also see engineering plans, sections, details and notes. Sod shall be installed to minimize opportunity for undermining due to erosion.
23. Landscape installation shall meet all approved landscaped plans and Land Development Code Standards. Where conflicts may be identified, the most restrictive of specifications shall govern. Clarifications shall be requested in writing from the Project Manager or the project Engineer. Approval of changes by the County without concurrence of the developer does not relieve contractor of the requirements of the Land Development Code or approved plans. Individual specifications may need to be exceeded in order to comply with another more stringent standard.
24. Minimum shrub heights required by the Land Development Code and the approved plans shall be measured from the highest elevation of 1)the adjacent grade or 2)the height of the adjacent pavement area which is being buffered. Landscape contractor shall review code compliance and engineering plans to assure compliance with this requirement. Compliance with this requirement may require exceeding plant specification minimums.
25. Landscape contractor shall be responsible for installation of any required rip-rap. See engineering plan sheets, sections, details and notes.
26. At the time of bidding, Contractor shall certify in writing that they have reviewed the governing codes, plans and specifications and shall minimally meet all requirements.
27. Contractor's bid shall include compliance with all notes and specifications.
28. Contractors bid shall include a warranty on all installed materials relevant to these Landscape and Irrigation Plans, including, but not limited to, all plant material, irrigation components, soil additives and chemicals, temporary bracing, and mulches. Contractor shall include workmanship in this warranty. Manufacturers warranty's covering any materials or components installed by the contractor shall be provided, in writing, to the owner by the contractor.



TYPICAL LOT TREE PLANTING
(NO SCALE)

The entire site shall be served by an underground, automatic irrigation system equiped with a rain shut-off device

SEE SHEET L3 FOR IRRIGATION SPECIFICATIONS

B Backflow Device (If applicable)
M Water Meter (If applicable)
R Automatic Rain Shut-off device
C Irrigation Control

ALL IRRIGATION LINES RUNNING UNDER ANY PAVEMENT SHALL BE PLACED IN SCH 40, PVC SLEEVES 2 1/2 X'S THE PIPE DIAMETER

Prior to the issuance of any Certificate of Compliance all invasive exotic vegetation listed herein shall be removed from the site. The site must be maintained free of these exotics in perpetuity.

REQUIRED BUFFER CALCULATIONS

NORTH PROPERTY LINE – 716 LF
TREES REQUIRED NONE PER PUD
TREES PROVIDED 0 –TREES PROVIDED
SHRUBS REQUIRED NONE PER PUD
SHRUBS PROVIDED 0 –SHRUBS PROVIDED

SOUTH PROPERTY LINE – 240 LF
TREES REQUIRED NONE PER PUD
TREES PROVIDED 0 –TREES PROVIDED
SHRUBS REQUIRED NONE PER PUD
SHRUBS PROVIDED 0 –SHRUBS PROVIDED

EAST PROPERTY LINE – 1,429 LF
TREES REQUIRED NONE PER PUD
TREES PROVIDED 0–TREES PROVIDED
SHRUBS REQUIRED NONE PER PUD
SHRUBS PROVIDED 0 SHRUBS PROVIDED

WEST PROPERTY LINE – 1,446 LF
TREES REQUIRED NONE PER PUD
TREES PROVIDED 0–TREES PROVIDED
SHRUBS REQUIRED NONE PER PUD
SHRUBS PROVIDED 0 –SHRUBS PROVIDED

INTERNAL LANDSCAPE REQUIREMENTS

REQUIRED INTERNAL LANDSCAPING 10 % OF PAVEMENT AREA
INTERNAL PAVEMENT AREA 52,459 S.F.
REQUIRED INTERNAL LANDSCAPE AREA 52,459 S.F. X .1 = 5,246 S.F.
PROVIDED INTERNAL LANDSCAPE AREA 5,246 S.F. PROVIDED
INTERNAL LANDSCAPE CANOPY REQUIREMENTS: 1 TREE FOR EA.250 S.F. OF REQUIRED INTERNAL LANDSCAPE AREA
REQUIRED INTERNAL CANOPY TREE 5,246 S.F./250 = 21 TREES
INTERNAL CANOPY TREES PROVIDED 21 TREES

GENERAL CANOPY REQUIREMENTS
(To be installed at time of home construction)

CANOPY REQUIREMENTS PER LAND USE 1 TREE PER 3,000 S.F.
PROJECT AREA 553,759 S.F. (12.71 AC)

GENERAL TREE REQUIREMENT 553,759 S.F. \3,000 = 185 TREES
GENERAL TREE CREDITS NA
GENERAL TREES REQUIRED 185 TREES
GENERAL TREES PROVIDED 185 TREES
BUILDING PERIMETER LANDSCAPING REQUIRED
NA RESIDENTIAL USE
BLDG. PERIMETER PLANTING REQUIRED 0 S.F.
BLDG. PERIMETER PLANTING PROVIDED 0 S.F.

TOTAL TREES REQUIRED/PROVIDED

TOTAL BUFFER TREES REQUIRED	0 TREES
TOTAL BUFFER TREES PROVIDED	0 TREES
TOTAL BUFFER SHRUBS REQUIRED	0 SHRUBS
TOTAL BUFFER SHRUBS PROVIDED	0 SHRUBS
TOTAL GENERAL TREES REQUIRED	185 TREES
TOTAL GENERAL TREES PROVIDED	185 TREES
TOTAL INTERNAL TREES REQUIRED	21 TREES
TOTAL INTERNAL TREES PROVIDED	21 TREES

SCALE: 1" = 100'
0 50 100 200

Revisions
3/1/04
3/6/04
12/20/04

STEPHEN J. TRUDNAK, P.A.
LANDSCAPE ARCHITECTURE
3876 Bonita Beach Road
Bonita Springs, Florida 34134
(239) 495-6464
Stephen J. Trudnak, FASLA
Principal FL #000078

EARTHMARK COMPANIES

RECEIVED
DEC 21 2004
Environmental Sciences
APPROVED By: JC
DEC 28 2004
Environmental Sciences
Dos 2003-00218

HERONS GLEN
UNIT 13
D.O. PLANTING PLAN

Drawn By:	PJK
Date:	12/12/03
Scale:	As Shown
Checked By:	SJT
Project #	03038

SHEET L1

STEPHEN TRUDNAK P.A. LANDSCAPE ARCHITECTURE AND LAND PLANNING HEREBY RESERVES ITS COMMON LAW COPYRIGHT. THE IDEAS, DESIGNS AND PLANS CONTAINED HEREIN ARE NOT TO BE REPRODUCED OR USED WITHOUT THE EXPRESS WRITTEN CONSENT OF STEPHEN TRUDNAK, P.A.