

LANDSCAPE NOTES

- PRE-DESIGN MEETING:** COORDINATE AND CONDUCT AN ON-SITE MEETING WITH THE ALACHUA COUNTY FORESTER/LANDSCAPE INSPECTOR OR DESIGNATED COUNTY REPRESENTATIVE TO DISCUSS EXISTING REGULATED TREES AND PROTECTION METHODS. CONTACT (352) 374-5243 EXT. 3503
- EXISTING UTILITIES:** LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. CALL 811.
- INVASIVE SPECIES:** REMOVE INVASIVE, NONNATIVE PLANT SPECIES AS LISTED ON THE FLORIDA PROHIBITED AQUATIC PLANTS LIST OR THE FLORIDA NOXIOUS WEED LIST FROM THE SITE PRIOR TO ISSUANCE OF THE CERTIFICATION OF OCCUPANCY. ALL HERBICIDE APPLICATIONS TO CONTROL INVASIVE, NONNATIVE PLANTS IN WETLAND OR UPLAND SET-ASIDE AREAS, INCLUDING BUFFERS, SHALL BE APPLIED BY A CONTRACTOR LICENSED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF AGRICULTURAL ENVIRONMENTAL SERVICES, WITH A CURRENT CERTIFICATION IN NATURAL AREAS WEED MANAGEMENT.
- ON-SITE LITTER REMOVAL:** REMOVE ALL EXISTING LITTER AND DEBRIS VISIBLE ON THE PROJECT SITE.
- PLANTING PREPARATION:** REMOVE ALL CONSTRUCTION DEBRIS, LIMEROCK, GRAVEL, ROAD BEDDING, LITTER, AND OTHER ITEMS POTENTIALLY DAMAGING TO PLANT GROWTH WITHIN PROPOSED LANDSCAPE AND TURF AREAS PRIOR TO PLANTING. MAINTAIN EXISTING GRADES UNLESS OTHERWISE APPROVED BY THE OWNERS REPRESENTATIVE. IF FILL IS REQUIRED, USE A CLEAN, SANDY LOAM WITH pH 5.5-6.5 AND EXCAVATED FROM LOCAL SOURCES AND DEEP PITS SUCH THAT IT IS FREE OF WEEDS, SEEDS, LITTER, TOXINS, AND OTHER ITEMS HARMFUL TO PLANTING.
- PRUNING:** IF TREE OR ROOT PRUNING IS REQUIRED, THESE ACTIVITIES SHALL BE PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURAL (ISA). TREE PRUNING SHALL BE DONE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE AMERICAN NATIONAL STANDARD FOR TREE CARE OPERATIONS "TREE, SHRUB AND OTHER WOODY PLANT MAINTENANCE" (ANSI 300) AND "PRUNING, TRIMMING, REPAIRING, MAINTAINING, AND REMOVING TREES, AND CUTTING BRUSH - SAFETY REQUIREMENTS" (ANSI Z133). NO MORE THAN 25 PERCENT OF THE CROWN SHOULD BE REMOVED AT ONE TIME. ON YOUNG TREES, LIMB REMOVAL SHALL LEAVE NO MORE THAN 33 PERCENT OF THE TRUNK BARE OF BRANCHES.
- MINIMUM PLANTING AREAS:** A MINIMUM PERVIOUS AREA OF 200 SF AND MINIMUM PLANTING AREA OF 140 SF SHALL BE PROVIDED FOR CANOPY TREES WITHIN PARKING AREAS. A MINIMUM PLANTING AREA OF 200 SF SHALL BE PROVIDED FOR CANOPY TREES OUTSIDE OF PARKING AREAS. A MINIMUM PERVIOUS AREA OF 120 SF AND MINIMUM PLANTING AREA OF 90 SF SHALL BE PROVIDED FOR UNDERSTORY TREES WITHIN PARKING AREAS. A MINIMUM PLANTING AREA OF 210 SF SHALL BE PROVIDED FOR UNDERSTORY TREES OUTSIDE OF PARKING AREAS. PLANTING AREAS SHOULD BE FREE FROM COMPACTED MATERIAL TO A DEPTH OF 18-INCHES, MINIMUM.
- PLANT MATERIAL GENERAL:** ALL PLANT MATERIALS SHALL MEET FLORIDA NUMBER 1' REQUIREMENTS AS PER THE MOST CURRENT EDITION OF 'FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS', FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- PROPOSED TREES:** TREES PROPOSED ALONG STREETS, WITHIN PAVING, OR IN PARKING LOT ISLANDS SHALL BE A MINIMUM OF TEN FEET TALL, HAVE A MINIMUM TRUNK CALIPER OF TWO INCHES, AND BE IN 25-GALLON MINIMUM CONTAINER. TREES PROPOSED IN STORMWATER FACILITIES OR ELSEWHERE SHALL BE A MINIMUM OF FOUR FEET TALL, HAVE A MINIMUM TRUNK CALIPER OF 3/4 INCHES, AND BE IN 7-GALLON MINIMUM CONTAINERS. NEW TREES LOCATED OUTSIDE OF LARGER PLANTING AREAS/WITHIN TURF AREAS TO HAVE 6" OF PLASTIC DRAIN TUBING INSTALLED AROUND THE BASE OF THEIR TRUNK TO PROTECT FROM MOWER AND STRING TRIMMER IMPACTS.
- NEW TREE STAKING:** IF NECESSARY TO MAINTAIN TREES PLUMB, TREES SHALL BE STAKED WITHIN BIODEGRADABLE STAKING MATERIALS.
- PROPOSED SHRUBS:** PROPOSED SHRUBS SHALL BE A MINIMUM OF TWO FEET TALL AND BE IN 3-GALLON MINIMUM CONTAINERS.
- SOD:** ALL UNPAVED AND DISTURBED AREAS OUTSIDE OF PROPOSED TREE, SHRUB, AND GROUNDCOVER PLANTINGS SHALL BE SODDED. SEE CIVIL PLANS FOR SODDING INFORMATION FOR STORMWATER FACILITIES. SOD SHALL BE SAND-GROWN, STRONGLY ROOTED, WITHOUT SYNTHETIC STABILIZING MATERIALS, FREE OF PESTS, AND CERTIFIED FREE OF NOXIOUS WEEDS BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, DIVISION OF PLANT INDUSTRY.
- MULCHING:** THREE INCHES OF MULCH, SETTLED, SHOULD COVER TREE RING PLANTING AREAS AND ALL SHRUB AND GROUNDCOVER PLANTING AREAS. MULCH SHOULD BE NO DEEPER THAN ONE INCH OVER THE TOP OF TREE ROOTBALLS. USE PINESTRAW MULCH IN ALL AREAS. MULCH TO BE FREE OF DEBRIS, STICKS, AND CONES. NO PLASTIC OR NON-BIODEGRADABLE WEED CLOTH OR SURFACE COVERS TO BE USED.
- IRRIGATION:** A temporary irrigation system is required for all new required landscaping, per 407.46(a). Temporary irrigation systems must be removed once the plants are established or within one year, whichever occurs first. Prior to the installation of a new permanent irrigation system or addition to an existing system, an irrigation plan must be submitted to and approved by the Alachua County Environmental Protection Department through the Alachua County Citizenserve Portal. The irrigation system shall comply with the Landscape Irrigation Design and Maintenance Standards found in Article VI of Part II, Title 7, Chapter 77 of the Alachua County Code, which among additional design standards, limit irrigation to 50% of the permeable area. Temporary systems are exempt from the design standard requirements but must register through the Citizenserve Portal. For more information, visit the Irrigation Design Standards website or contact the Alachua County Environmental Protection Department at 352-264-6800.
 - LIMIT HIGH VOLUME IRRIGATION TO 60% OF THE LANDSCAPED AREA.
 - ALL NEWLY PLANTED TREES SHALL HAVE INDIVIDUAL LOW FLOW OR MICRO-IRRIGATION SUPPLIES
 - ALL IRRIGATION SYSTEMS ARE REQUIRED TO HAVE A MOISTURE SENSOR/AUTOMATIC RAINFALL SHUTOFF DEVICE.
- RESPONSIBILITY:** ALL LANDSCAPING FROM THE APPROVED LANDSCAPE PLAN IS REQUIRED TO BE REPLACED IF AND/OR WHEN IT FAILS. OWNER IS RESPONSIBLE FOR THE SURVIVAL OF PLANTINGS. OWNER IS RESPONSIBLE FOR THE REMOVAL OF ALL TREE STAKING, IF INSTALLED, FOR ONE YEAR FOLLOWING RECEIPT OF CERTIFICATION OF OCCUPANCY. IF A TREE DIES OR IS SEVERELY DAMAGED, AS DETERMINED BY THE COUNTY'S REPRESENTATIVE, THEN THE TREE MUST BE REPLACED BY THE OWNER PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
- LETTER OF COMPLIANCE:** PROVIDE ONE WEEK NOTICE TO LANDSCAPE ARCHITECT REGARDING SCHEDULING THE FINAL REVIEW OF INSTALLED LANDSCAPE AND EXISTING VEGETATION PROTECTION FOR THE PURPOSES OF PREPARING THE LETTER OF COMPLIANCE.

PROPOSED TREE CANOPY COVERAGE

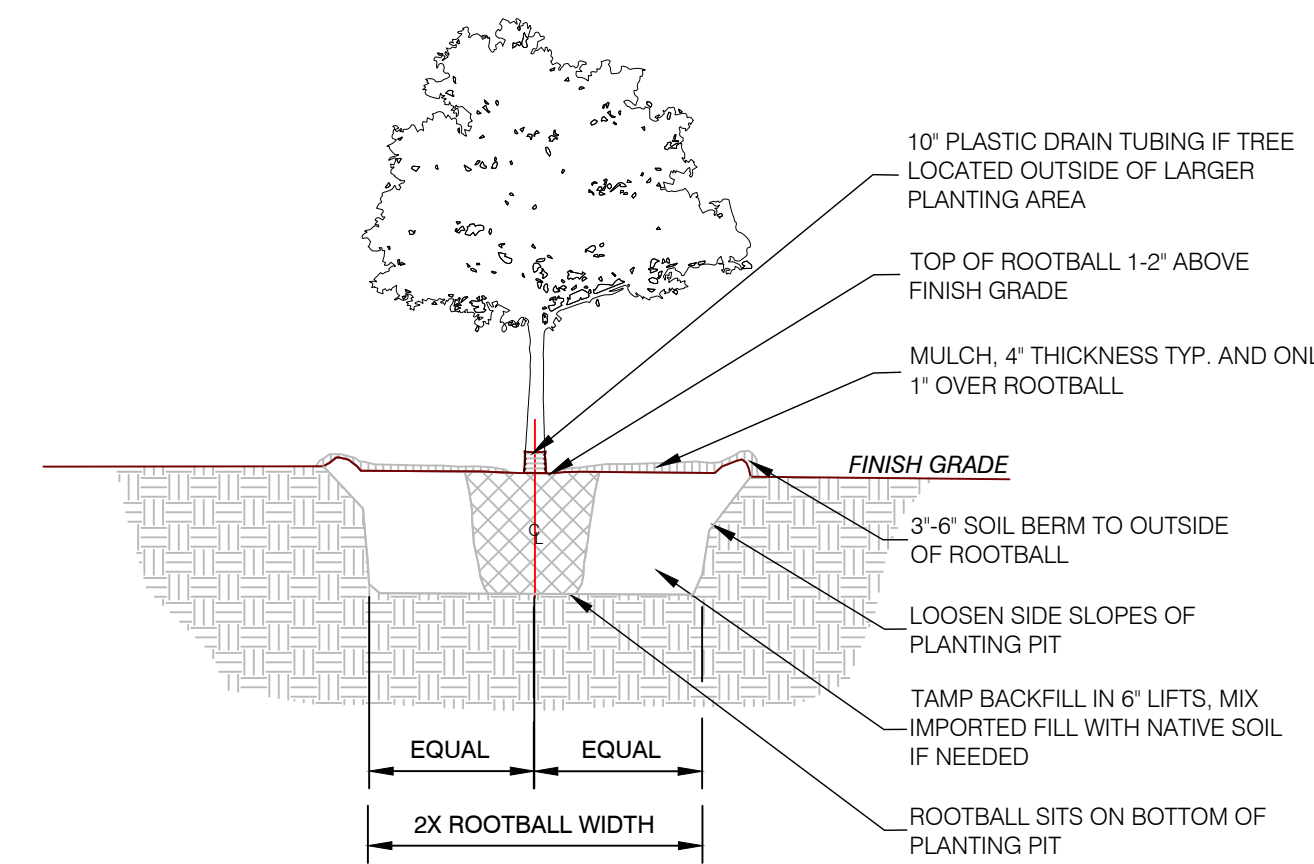
Per Alachua County ULDC, Article II., Sec. 406.12
 At least 30% of the site shall be under mature canopy within 20 years - % met as per below

TREE SPECIES	EST. 20 YEAR CROWN	CROWN AREA (SF)	PROPOSED QUANTITY	PROPOSED % OF CANOPY ON SITE	PROPOSED CANOPY AREA ON SITE (SF)
Cercis canadensis	30	706.5	4	100%	2826
Platanus occidentalis	40	1256	2	75%	1884
Quercus falcata	30	706.5	1	100%	706.5
Ulmus alata	40	1256	4	50%	2512
Quercus virginiana	45	1589.625	3	100%	4768.875
Area Under Building Canopy (at pumps)					5,139.00
Total Proposed 20-Year Canopy					12,697.38
Site Area					56,574.07
Total Area under canopy					17,836.38
% Site Under Canopy at 20 Years					31.53%

PROPOSED GROUND SURFACE SHADING

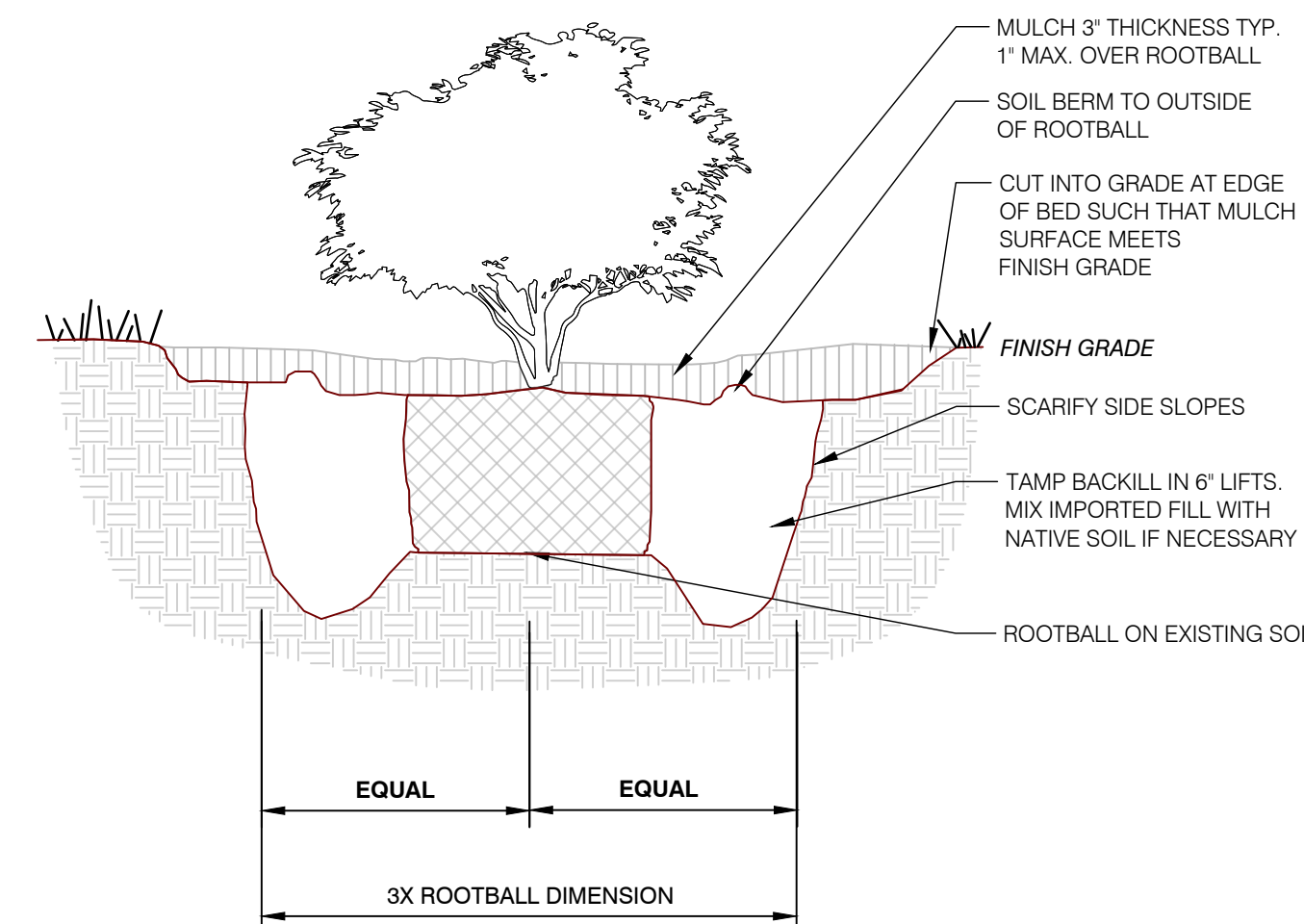
Per Alachua County ULDC, Article IV., Sec. 407.43.1.c
 Screening shall be provided where a paved ground surface area lies within 50 feet of and is visible from any street right-of-way. At least 50% of the paved ground surface area shall be under mature canopy within 20 years.

TREE SPECIES	EST. 20 YEAR CROWN	CROWN AREA (SF)	PROPOSED QUANTITY	PROPOSED % OF CANOPY ON PAVE	PROPOSED CANOPY AREA ON SITE (SF)
Cercis canadensis	30	706.5	1	75%	529.875
Cercis canadensis	30	706.5	3	50%	1059.75
Quercus falcata	30	706.5	1	50%	353.25
Platanus occidentalis	40	1256	2	75%	1884
Ulmus alata	40	1256	4	50%	2512
Ulmus alata (existing)	40	1256	1	50%	628
Quercus virginiana	45	1589.625	3	75%	3576.65625
Total Proposed 20-Year Canopy					10,543.53
Pavement Area (within block)					21,014.07
% Site Under Canopy at 20 Years					50.17%



- NOTES:
- ENSURE PLANTING PIT DRAINS WELL PRIOR TO INSTALLATION.
 - REMOVE TREE FROM CONTAINER OR REMOVE UPPER 1/3 OF BURLAP AND WIRE MESH FOR B&B TREES.
 - SLICE ROOTBALL VERTICALLY ON OUTSIDE EDGES OF AND AROUND ROOTBALL.
 - TREE TO BE PLUMB. STAKE TREE. SUBMIT TREE STAKING DETAILS AND LAYOUT FOR APPROVAL.

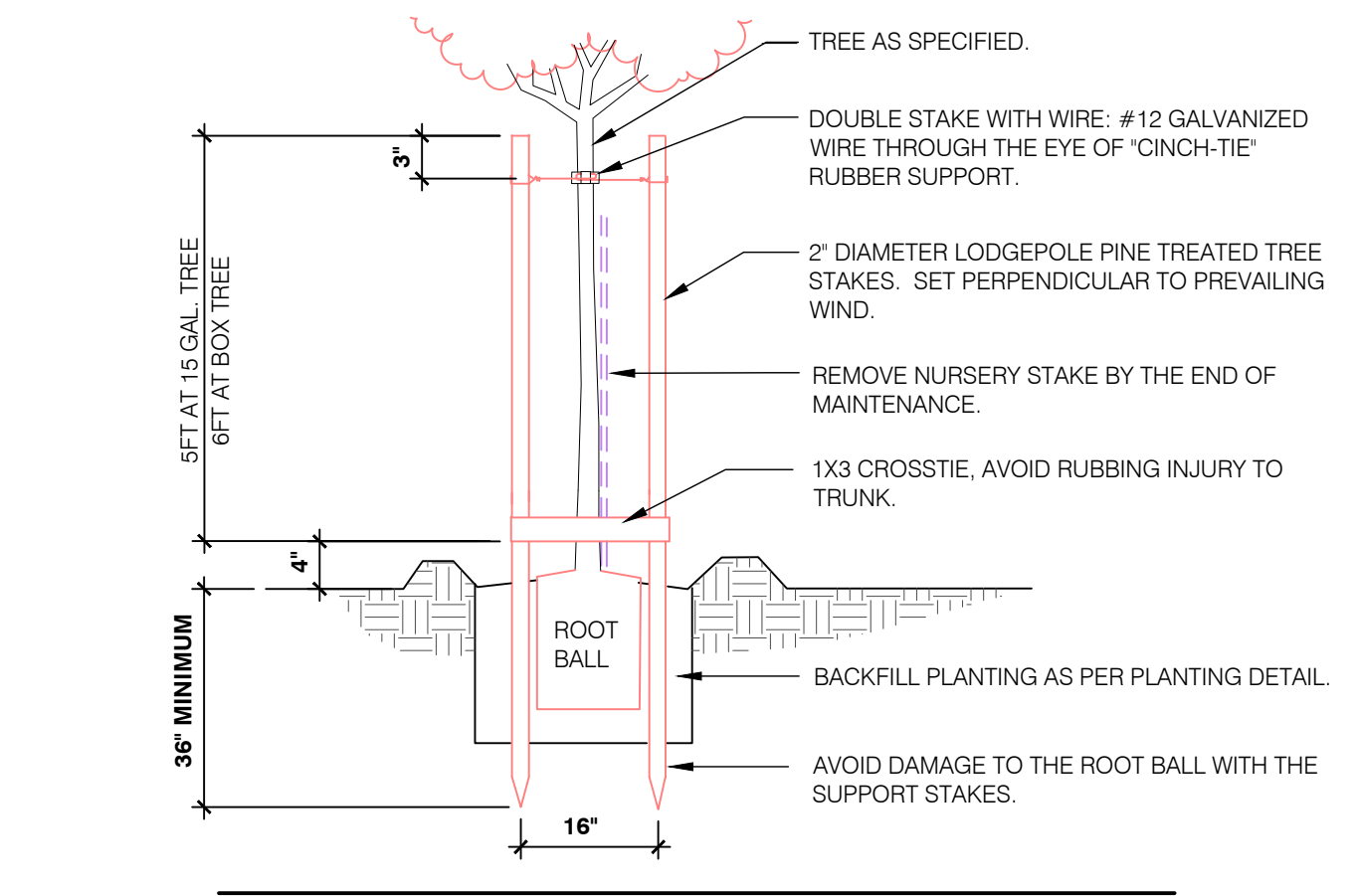
1 TREE PLANTING DETAIL
 SCALE: N.T.S. P-ED-01



2 SHRUB PLANTING DETAIL
 SCALE: N.T.S. P-ED-04

IRRIGATION NOTES

- Temporary irrigation systems must be removed once the plants are established or within one year, whichever occurs first.
- All irrigation systems are required to have a functioning rainfall shutoff device set to active even during establishment, per 407.46(a)4.
- Prior to the installation of a new permanent irrigation system or addition to an existing system, an irrigation plan must be submitted to and approved by the Alachua County Environmental Protection Department through Citizenserve. The irrigation system shall comply with the Landscape Irrigation Design and Maintenance Standards found in Article VI of Part II, Title 7, Chapter 77 of the Alachua County Code, which among additional design standards, limit irrigation to 50% of the permeable area. For more information, visit the Irrigation Design Standards website or contact the Alachua County Environmental Protection Department at 352-264-6800.



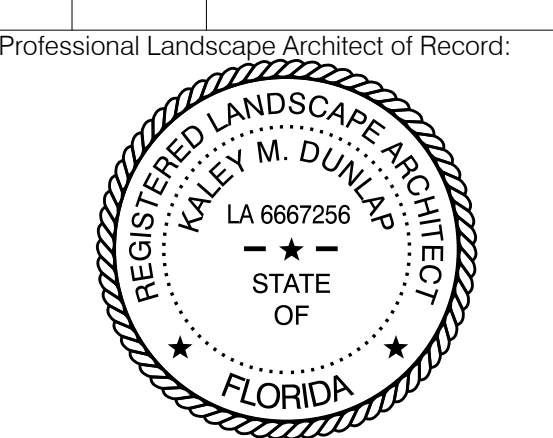
3 ROOT BARRIER TREE PLANTING
 1" = 1'-0" FX-PL-FX-TREE-12

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No.	Date	Comment
1	2024-03-31	PER COUNTY COMMENTS
2	2024-04-24	PER MINOR COMMENTS
3	2024-05-07	SIGHT TRIANGLE COMMENT



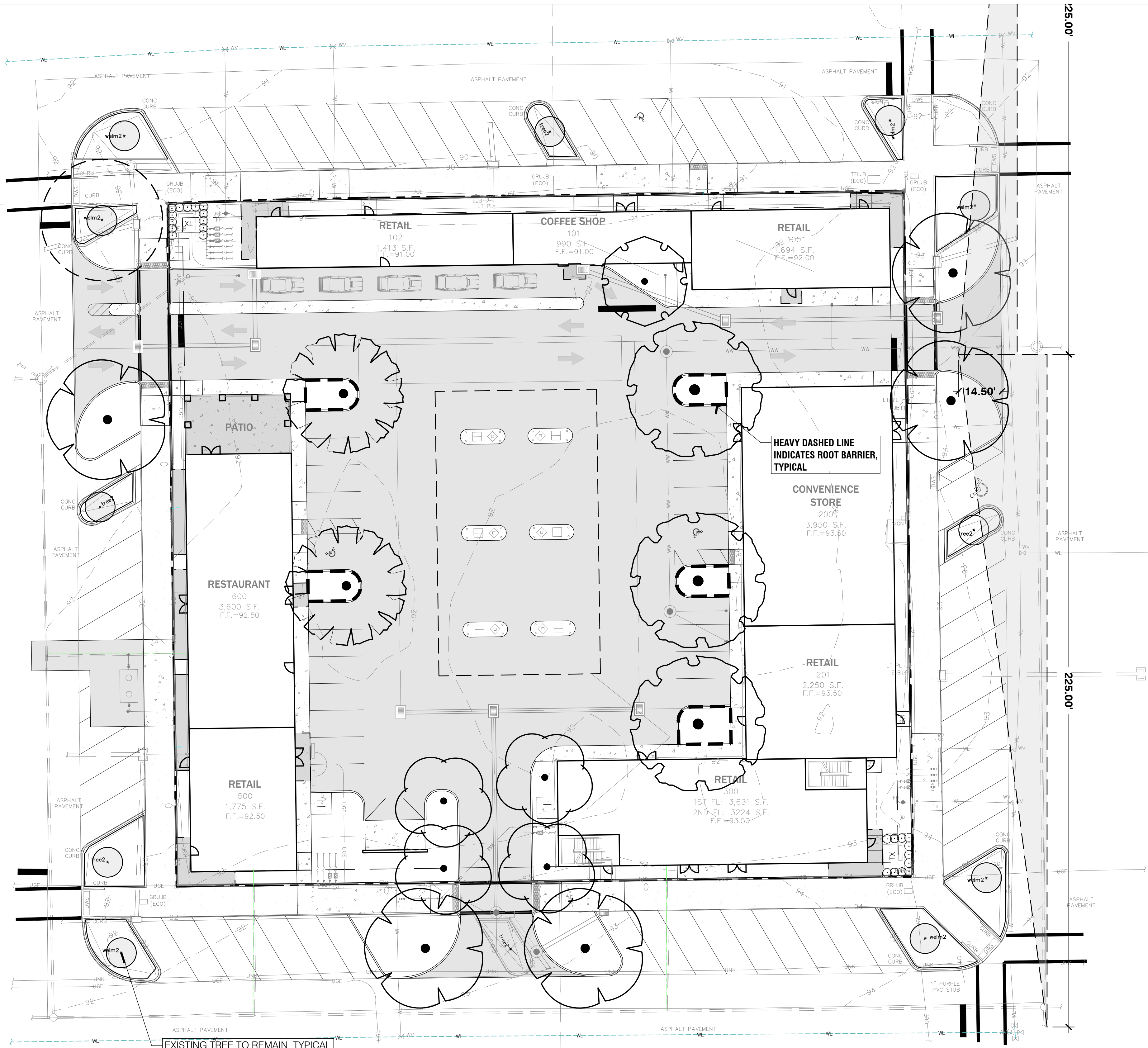
Kaley M. Dunlap, PLA LA6667256
 Landscape Architect Certificate No.

Project No: 24-004
 Project Phase: COUNTY SUBMITTAL

NEWBERRY PARK BLOCK 2
ALACHUA COUNTY, FLORIDA

Sheet Title:
LANDSCAPE CALCULATIONS, NOTES, AND DETAILS

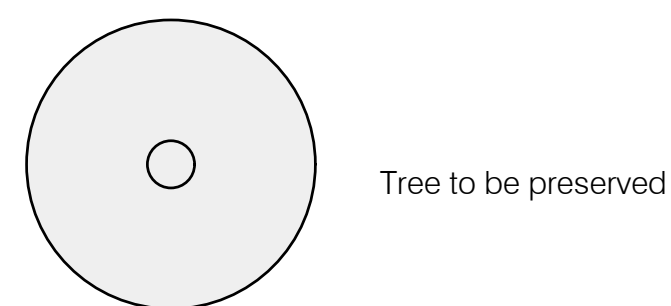
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 Drawn: ZZR
 Checked: KMD
 Date: 02/04/2024
L100



PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NOTES
CANOPY TREES					
	PO	2	Platanus occidentalis / American Sycamore	2" Cal.	10' Ht.
	QF	1	Quercus falcata / Southern Red Oak	2" Cal.	10' Ht.
	QV	3	Quercus virginiana / Southern Live Oak	2" Cal.	10' Ht.
	UA	5	Ulmus alata / Winged Elm	2" Cal.	10' Ht.
UNDERSTORY TREES					
	CC	4	Cercis canadensis / Redbud	2" Cal.	10' Ht.
SHRUBS					
	VO2	24	Viburnum odoratissimum / Sweet Viburnum	3" Ht. Minimum	

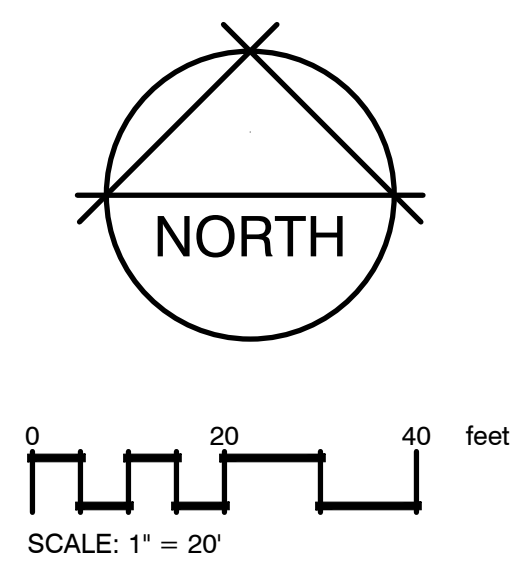
LEGEND



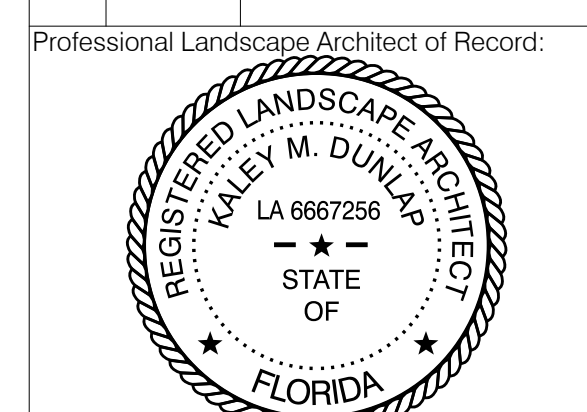
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ALACHUA COUNTY, FLORIDA

Sheet Title: **LANDSCAPE PLAN AND SCHEDULE**

Designed: KMD Sheet No:
 Drawn: ZRR
 Checked: KMD
 Date: 02/04/2024

L101