

06/02/2022

LANDSCAPE NOTES

1.

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
2.

EXISTING UTILITIES: LOCATE ALL UTILITIES PRIOR TO COMMENCEMENT OF WORK. CALL 811.
3.

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.
4.

ON-SITE LITTER REMOVAL: REMOVE ALL EXISTING LITTER AND DEBRIS VISIBLE ON THE PROJECT SITE.
5.

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.
6.

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 O 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.
7.

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.
8.

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.
9.

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 ¾ 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.
10.

NEW TREE STAKING: IF NECESSARY TO MAINTAIN TREES PLUMB, TREES SHALL BE STAKED WITHIN BIODEGRADABLE STAKING MATERIALS.
11.

PROPOSED SHRUBS: PROPOSED SHRUBS SHALL BE A MINIMUM OF TWO FEET TALL AND BE IN 3-GALLON MINIMUM CONTAINERS.
12.

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.
13.

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.
14.

IRRIGATION: A TEMPORARY AUTOMATIC IRRIGATION SYSTEM IS REQUIRED FOR ALL NEW REQUIRED LANDSCAPING INSTALLED [407.46(A)]. TEMPORARY IRRIGATION SYSTEMS MUST BE REMOVED ONCE THE PLANTS ARE ESTABLISHED OR WITHIN TWO YEARS, WHICHEVER OCCURS FIRST. PRIOR TO THE INSTALLATION OF A NEW PERMANENT IRRIGATION SYSTEM OR SUBSTANTIAL MODIFICATION TO AN EXISTING SYSTEM, AN IRRIGATION PLAN MUST BE SUBMITTED TO AND APPROVED BY THE ALACHUA COUNTY CODE, WHICH, AMONG ADDITIONAL DESIGN STANDARDS, REQUIRES THE FOLLOWING. FOR MORE INFORMATION, 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.
15.

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.
16.

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)
Acer rubrum	25	490.625	2	100%	981.25
Ilex cassine	20	314	2	100%	628
Quercus shumardii	25	490.625	4	100%	1962.5
Quercus virginiana	45	1589.625	1	100%	1589.625
Ulmus alata	40	1256	2	100%	2512
Taxodium distichum	20	314	4	100%	1256
			Total Existing Canopy		15,236.35
			Total Proposed 20-Year Canopy		8,929.38
			Site Area		43,735.23
			Total Area under canopy		24,165.73
			% Site Under Canopy at 20 Years		55.25%

PROJECT BOUNDARY LANDSCAPE BUFFERS

Per Alachua County ULDC, Article IV., Sec. 407.43.b.2.

ALL PERIMETER BUFFERS HAVE FUTURE LAND USE OF "COMMERCIAL".

ARTERIAL/COLLECTOR STREET BUFFER - 10' WIDTH

160.91' - 61.24' DRIVEWAY = 99.67'
REQUIRED; (3) CANOPY TREES PER 100 LINEAR FEET
99.67' / 100' = .99 * (3) CANOPY TREES = (3) CANOPY TREES REQUIRED
PROVIDED: (3) CANOPY TREES

REQUIREMENT SATISFIED.

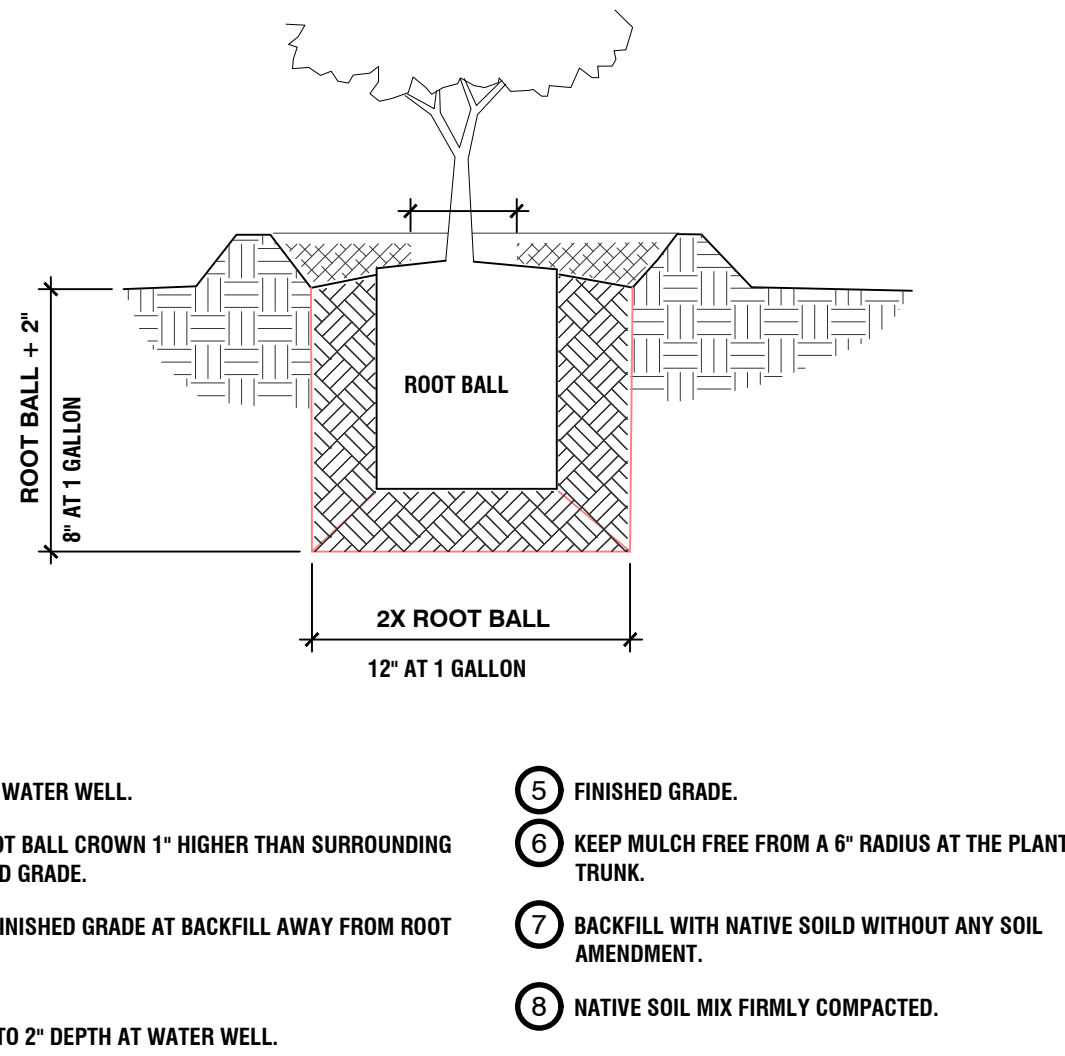
STORMWATER MANAGEMENT FACILITIES

Per Alachua County ULDC, Article IV., Sec. 407.43.2.

STORMWATER BASIN 1

REQUIREMENT	PROVIDED	
1 Canopy tree / 35 LF perimeter	Total perimeter	207
	Canopy trees required	5.9
	Canopy trees provided	6 trees
25% of total basin area in planting	Total area	2,839 SF
	25% area required	710 SF
	Landscape area provided	780 SF

REQUIREMENT SATISFIED.



1 SHRUB PLANTING

1" = 1'-0"

FX-PL-FX-SHRB-09

2 TREE PLANTING DOUBLE STAKE

1" = 1'-0"

FX-PL-FX-TREE-10

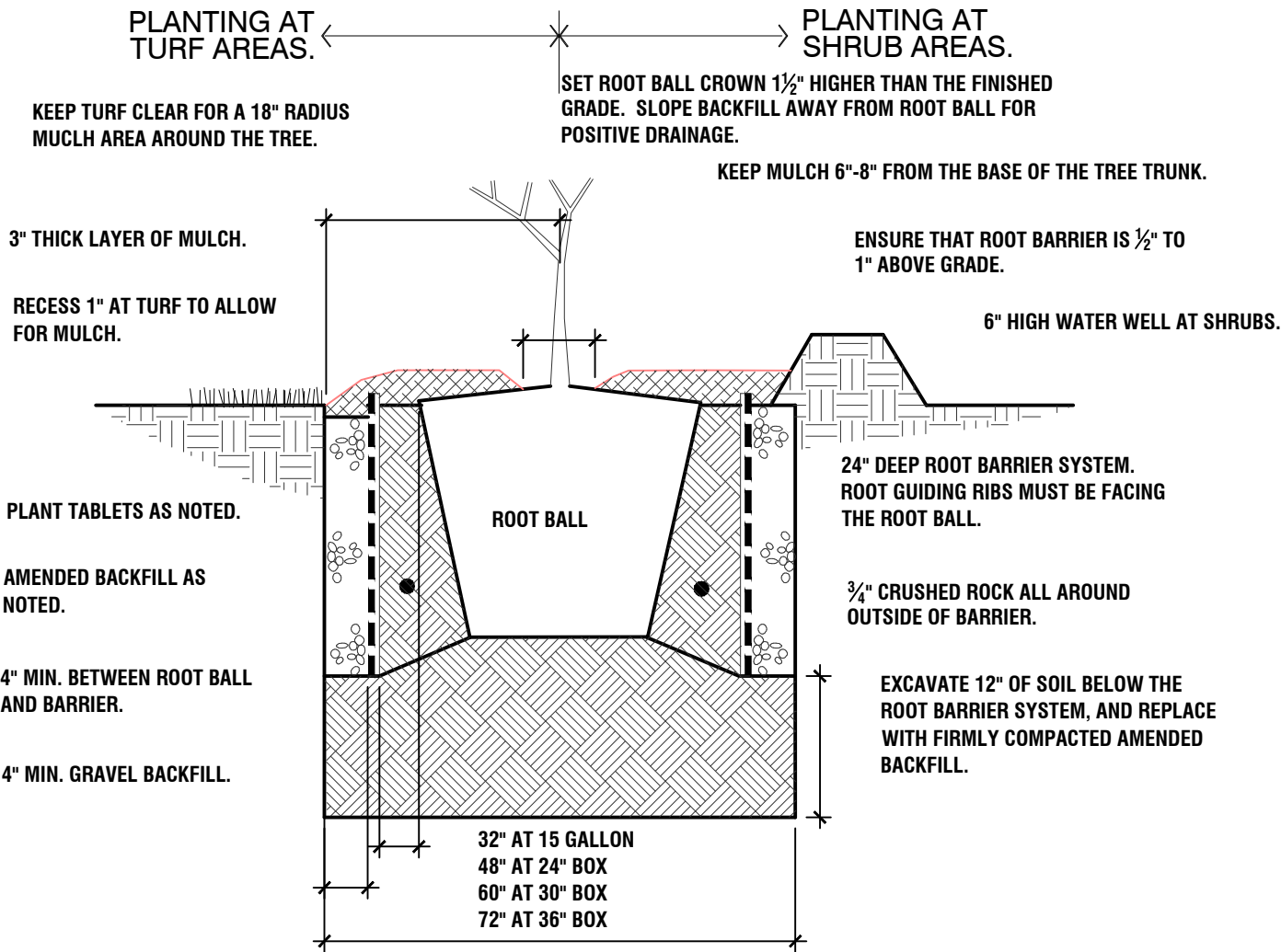
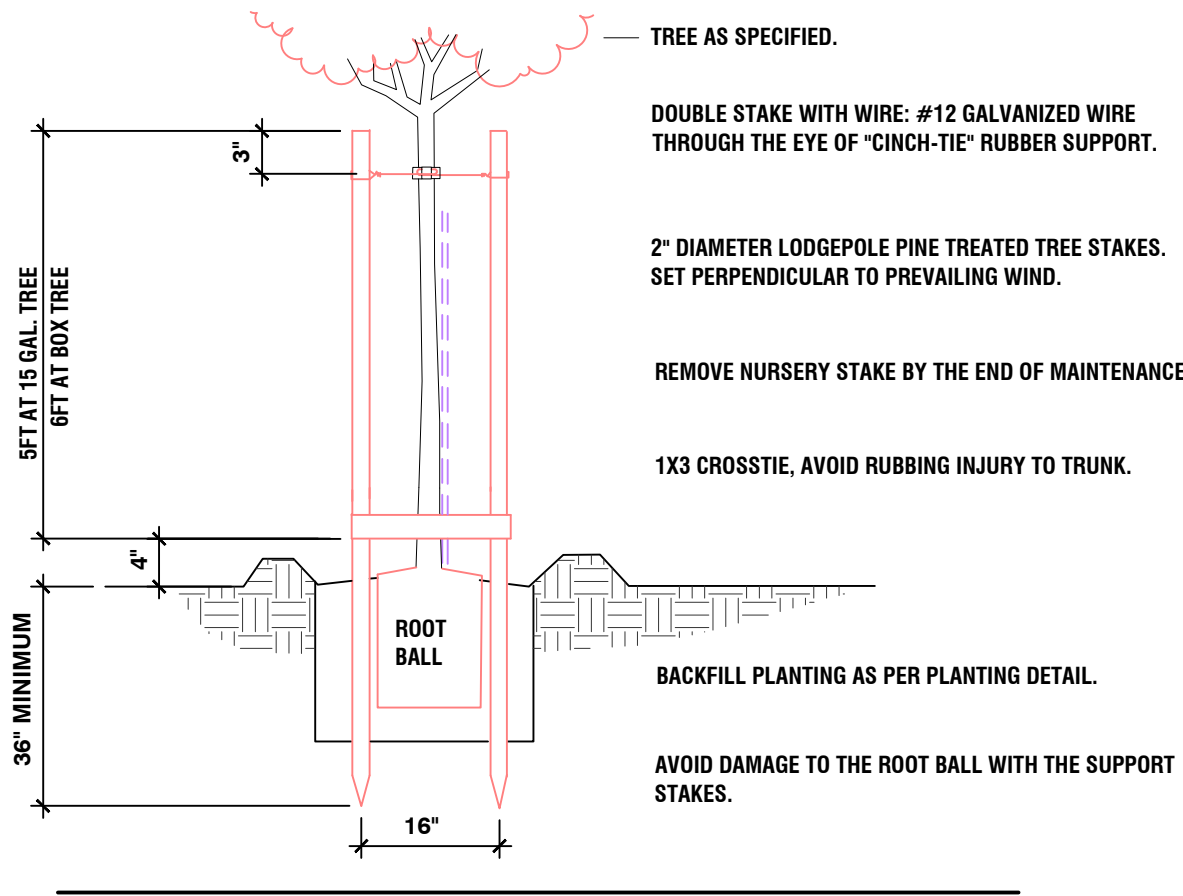
PROPOSED GROUND SURFACE SHADING

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)
Ulmus alata	40	1256	1	75%	942
Ulmus alata	40	1256	1	50%	628
Ulmus alata	40	1256	1	25%	314
Ilex cassine	20	314	3	50%	471
			Total Proposed 20-Year Canopy		2,355.00
			Pavement Area		3,892.76
			% Site Under Canopy at 20 Years		60.50%



Know what's below.
Call before you dig.



3 ROOT BARRIER TREE PLANTING

1" = 1'-0"

FX-PL-FX-TREE-12

PREPARED BY:



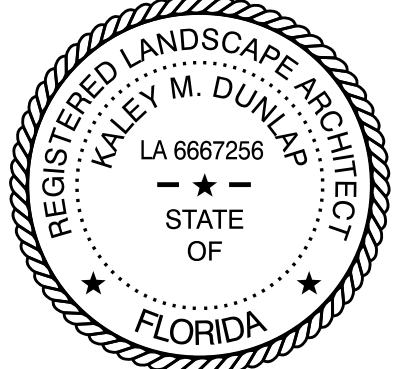
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PREPARED FOR:

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CONTACT: CLAUDIA VEGA
720 SW 2nd Avenue, South Tower Suite 300
Gainesville, Florida 32601
PHONE: (352) 373-3541

No.	Date	Comment
1	2023-09-01	REVISION 1 - RESUBMITTAL
2	2023-10-26	REVISION 2 - RESUBMITTAL
3	2023-11-07	REVISION 3 - GRU COMMENTS
4	2023-11-19	REVISION 4 - MINOR INDIFFERENCES

Professional Landscape Architect of Record:



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

Project No: 22-025

Project Phase:

COUNTY SUBMITTAL

Project Title:

PREMIER SCHOOL
ALACHUA COUNTY,
FLORIDA

Sheet Title:

LANDSCAPE CALCULATIONS,
NOTES, AND DETAILS

Designed: KMD

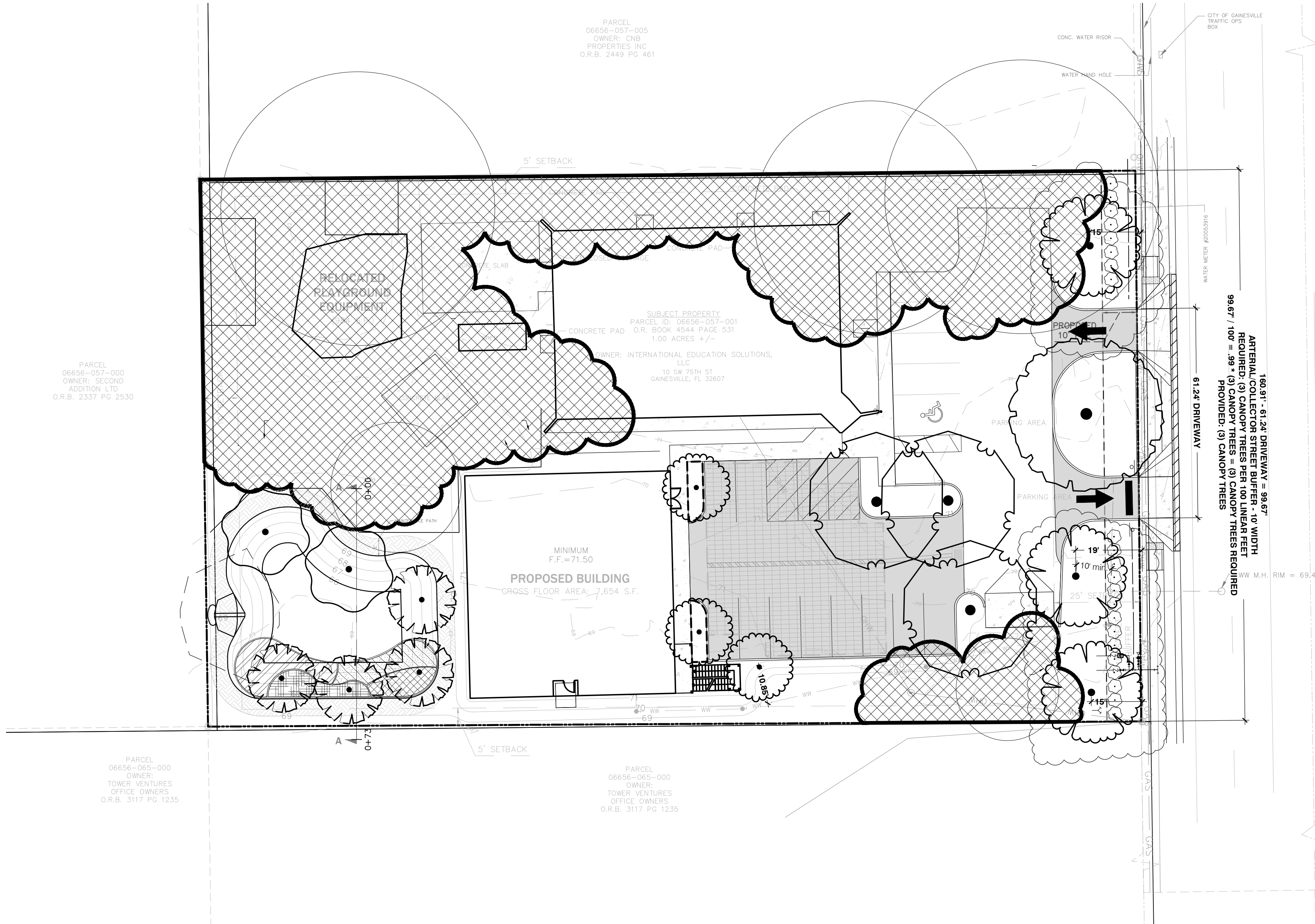
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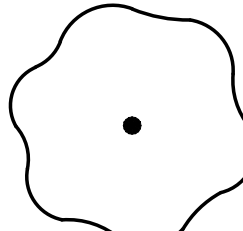
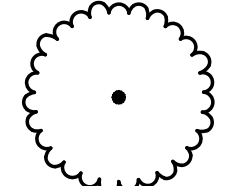
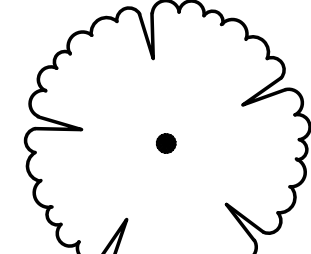
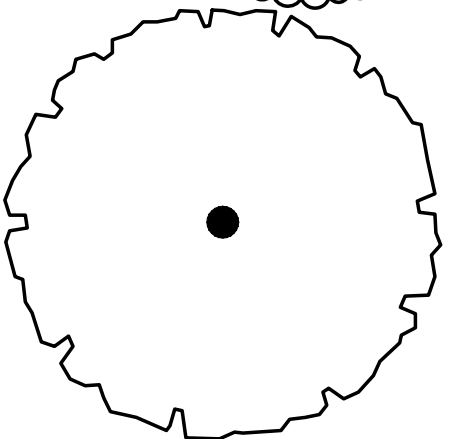
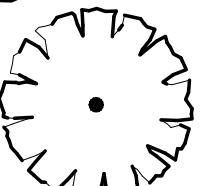
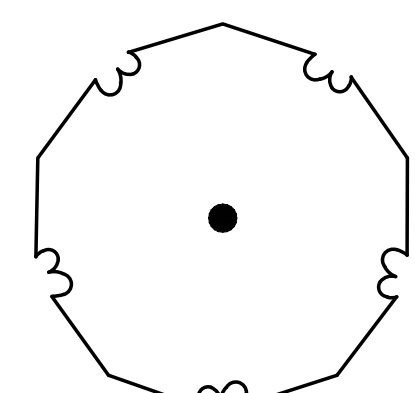
Checked: KMD




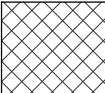
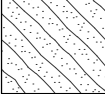
Date: 06/02/2022

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PLANT SCHEDULE

CANOPY TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NOTES
	AR	2	Acer rubrum / Red Maple	2" Cal.	10' Ht.
	IC	3	Ilex cassine / Dahoon Holly	2" Cal.	10' Ht.
	QS	3	Quercus shumardii / Shumard Oak	2" Cal.	10' Ht.
	QV	1	Quercus virginiana / Southern Live Oak	4" Cal.	10' Ht.
	TD	4	Taxodium distichum / Bald Cypress	4" Cal.	10' Ht.
	UA	3	Ulmus alata / Winged Elm	2" Cal.	10' Ht.

SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NOTES
	IP	23	Illicium parviflorum / Yellow Anise	3' Ht. Minimum	
SHRUB AREAS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	NOTES
	HD	39	Helianthus debilis / Dune Sunflower	1 gal.	15'x15'
	MC	44	Muhlenbergia capillaris / Pink Muhly Grass	3 gal.	18" Ht., Full + Lush
	SM	21	Sabal minor / Dwarf Palmetto	3 gal.	15'x15'
	SB	32	Spartina bakeri / Sand Cordgrass	3 gal.	18" Ht., Full + Lush

TREE CALCULATIONS:

REQUIRED:
Heritage Mitigation Inches Required: 71"
Regulated Mitigation Trees Required: (10) new 2" trees
10 trees * 2" = 20"
20" + 71" = 91" new planting

PROVIDED:
40 new inches provided

91" required - 40" provided = 51" deficit
51" * \$130 per inch =
\$6,630.00 to be paid to Alachua County

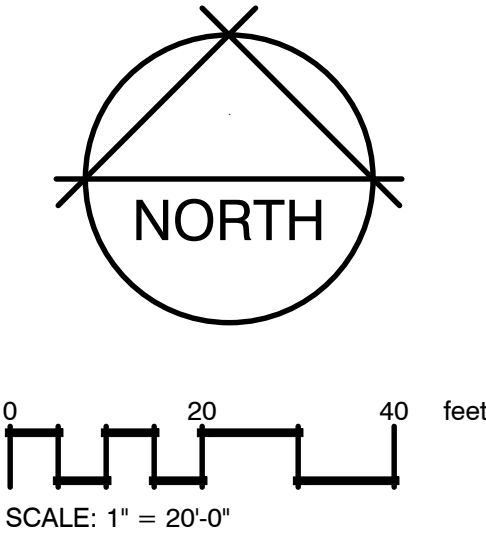
REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION	QTY
1	ROOT BARRIER; SEE DETAILS	85 lf

PREPARED BY:

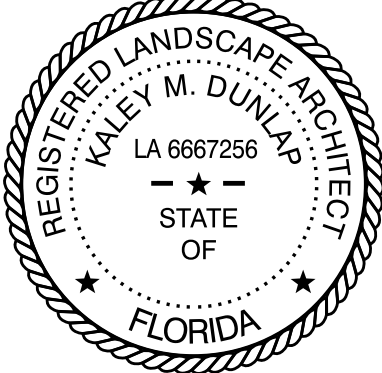
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ALACHUA COUNTY,
FLORIDA

Sheet Title: LANDSCAPE PLAN

Designed: KMD
Drawn: ZRR
Checked: KMD
Date: 06/02/2022

Sheet No.:

L201