



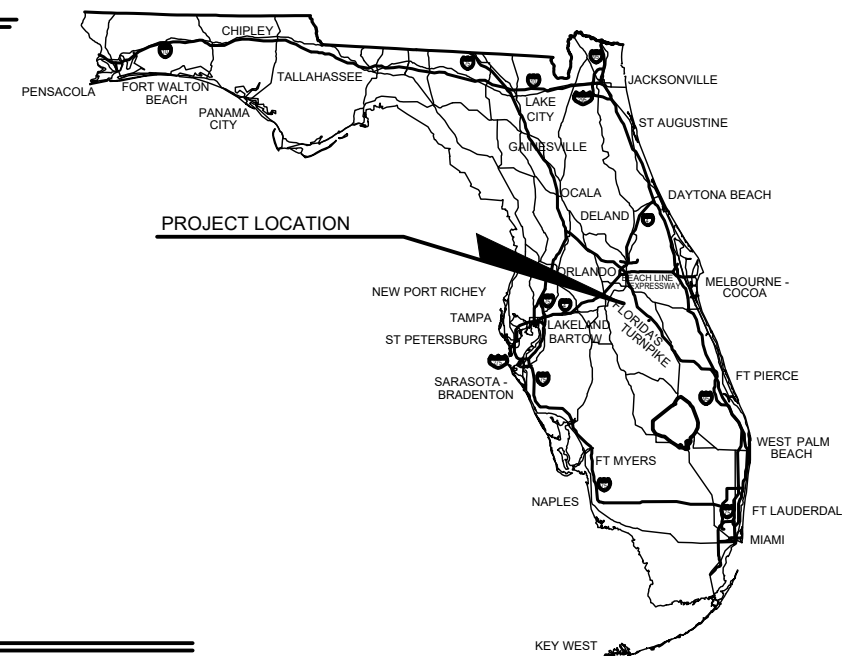
OSCEOLA COUNTY, FLORIDA TRANSPORTATION AND TRANSIT

CONTRACT PLANS

FINANCIAL PROJECT ID 447605-1-58-01
FEDERAL AID NUMBER XXXX-XXX-X

COUNTY PROJECT NO. PS-21-12254-DG

MARIGOLD AVENUE SAFETY IMPROVEMENTS



LANDSCAPE PLANS

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

SHEET NO.	SHEET DESCRIPTION
L100	KEY SHEET
L101	OVERALL LAYOUT
L110 - L115	LANDSCAPE PLANS
L230	SCHEDULE
L231	NOTES & DETAILS

OSCEOLA COUNTY COMMISSIONERS

PEGGY CHOUDHRY	COMMISSIONER DISTRICT 1
VIVIANA JANER	BOCC VICE CHAIRWOMAN, COMMISSIONER DISTRICT 2
BRANDON ARRINGTON	BOCC CHAIR, COMMISSIONER DISTRICT 3
CHERYL GRIEB	COMMISSIONER DISTRICT 4
RICKY BOOTH	COMMISSIONER DISTRICT 5

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY2022-23 Standard Plans eBook (DSeB) and applicable Design Standards Revisions (DSRs) at the following website:
<http://www.fdot.gov/design/StandardPlans/current/default.shtm>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July 2022 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

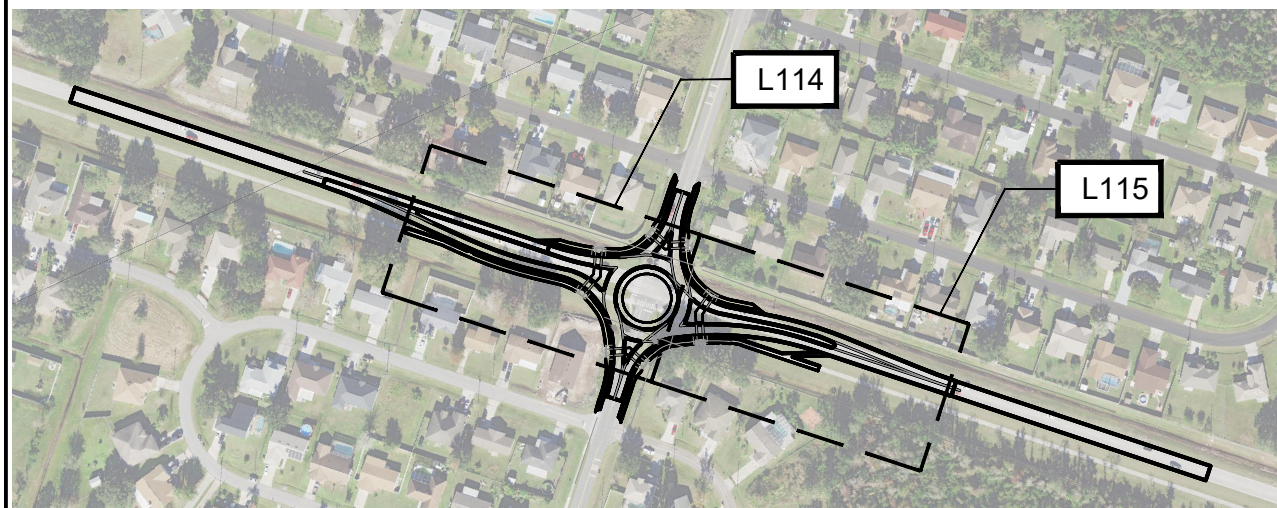
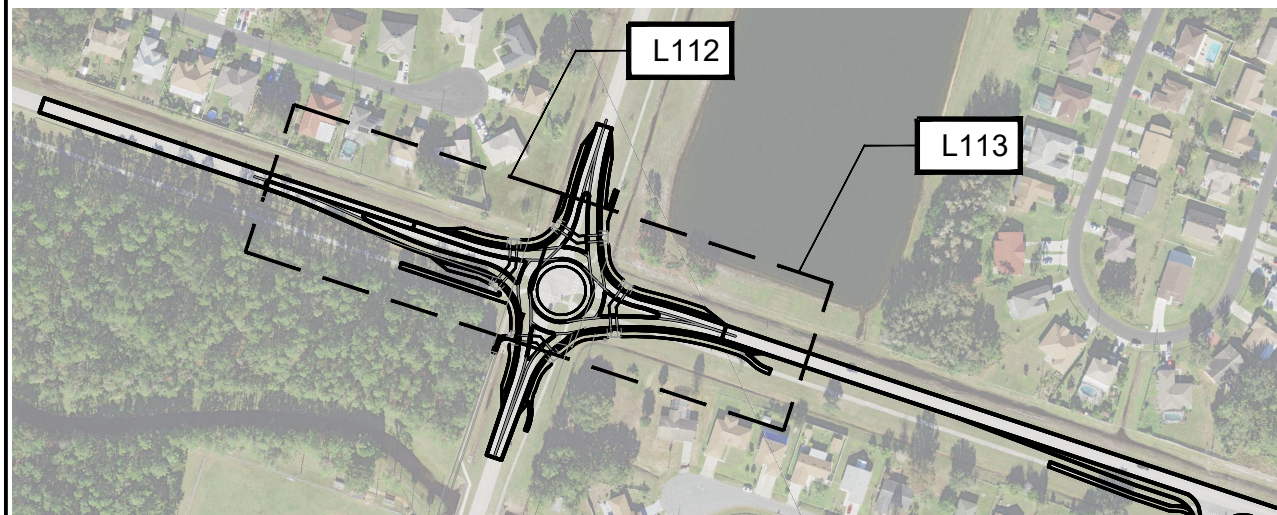
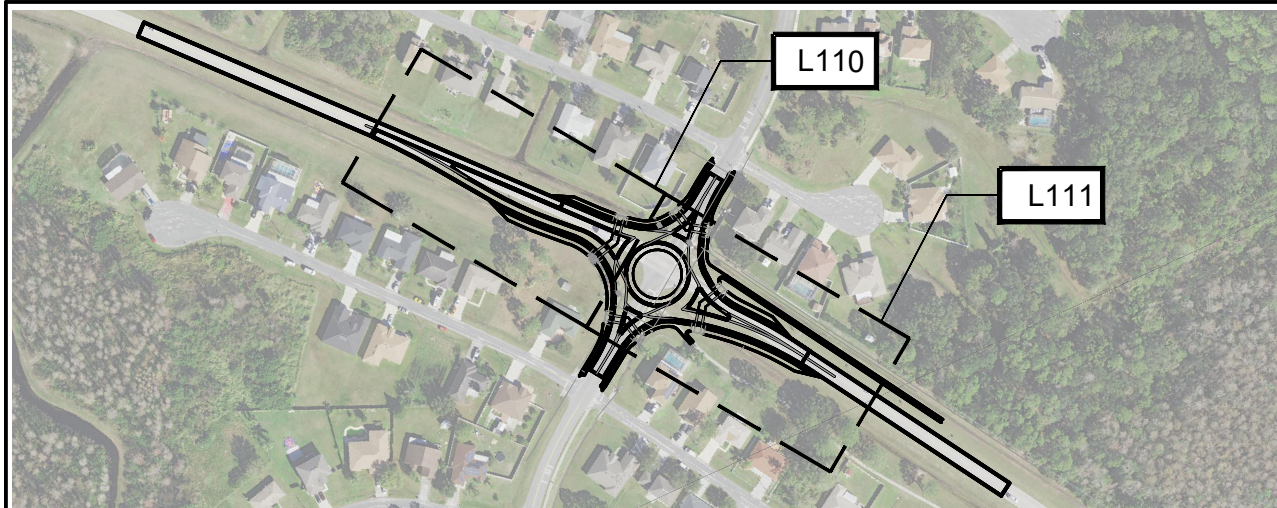
**PHASE III
NOVEMBER 2022**

LANDSCAPE PLANS LANDSCAPE ARCHITECT OF RECORD:

MICHAEL J. URCHUK, RLA
FL RLA LICENSE NUMBER 6666675
DEWBERRY ENGINEERS
800 NORTH MAGNOLIA AVENUE, SUITE 1000
ORLANDO, FL 32803
CONTRACT NO.: 00851
VENDOR NO.: F130746510001

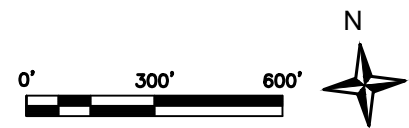
OSCEOLA COUNTY PROJECT MANAGER:
KATHY_LEE,_P.E._

FISCAL YEAR	SHEET NO.
22	L100



OVERALL PLAN

SCALE: 1"=300'-0"



REVISIONS	
DATE	DESCRIPTION

MICHAEL J. URCHUK, RLA
 FL RLA LICENSE NUMBER 6666675
 DEWBERRY ENGINEERS INC.
 800 NORTH MAGNOLIA AVENUE SUITE 1000
 ORLANDO, FL 32803



FDOT LAP PROJECT NO.
 447605-1-38-01

OVERALL LAYOUT

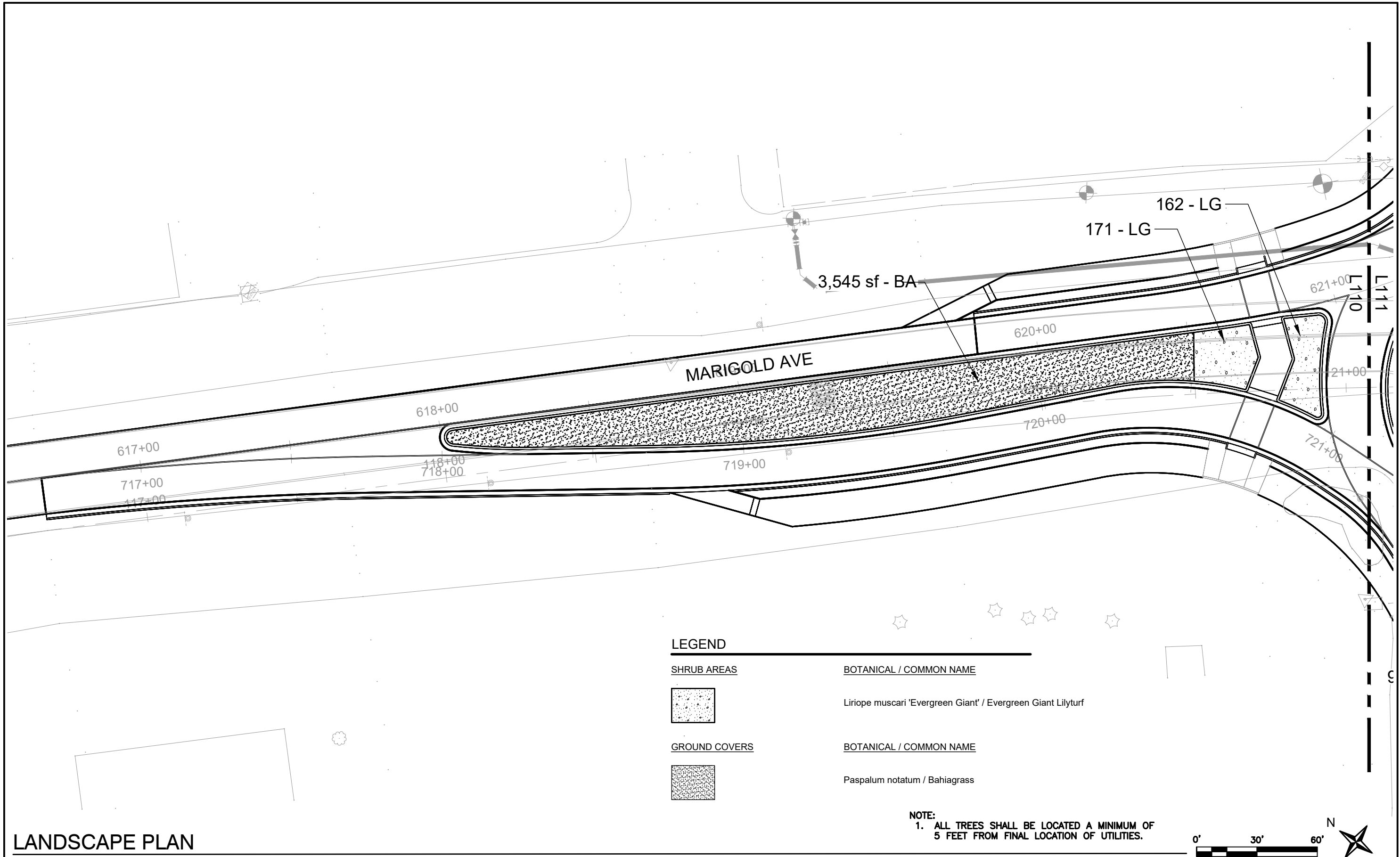
SHEET NO.
L101

\$USERS

\$DATES \$TIMES \$MODELNAME\$

\$FILES

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LANDSCAPE PLAN

SCALE: 1"=30'-0"

LEGEND

SHRUB AREAS



BOTANICAL / COMMON NAME

Liriope muscari 'Evergreen Giant' / Evergreen Giant Lilyturf

GROUND COVERS



BOTANICAL / COMMON NAME

Paspalum notatum / Bahiagrass

NOTE:
1. ALL TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM FINAL LOCATION OF UTILITIES.



REVISIONS	
DATE	DESCRIPTION

MICHAEL J. URCHUK, RLA
FL RLA LICENSE NUMBER 6666675
DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVENUE SUITE 1000
ORLANDO, FL 32803



FDOT LAP PROJECT NO.

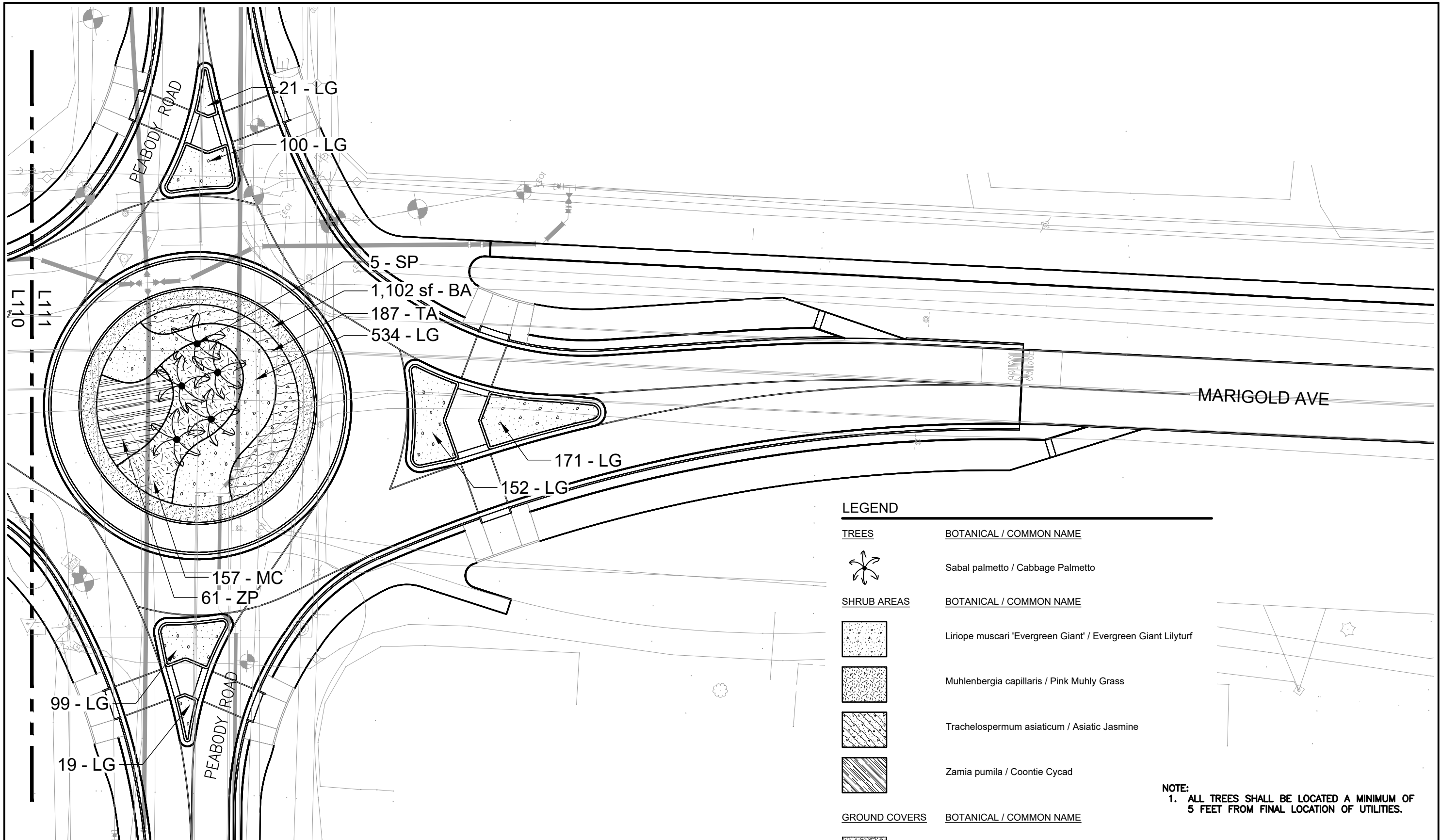
447605-1-38-01

LANDSCAPE PLAN

SHEET NO.

L110

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LEGEND

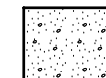
TREES



BOTANICAL / COMMON NAME

Sabal palmetto / Cabbage Palmetto

SHRUB AREAS



BOTANICAL / COMMON NAME

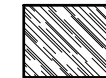
Liriope muscari 'Evergreen Giant' / Evergreen Giant Lilyturf



Muhlenbergia capillaris / Pink Muhly Grass

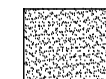


Trachelospermum asiaticum / Asiatic Jasmine



Zamia pumila / Coontie Cycad

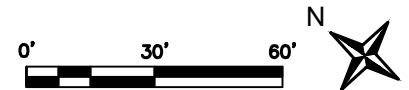
GROUND COVERS



BOTANICAL / COMMON NAME

Paspalum notatum / Bahiagrass

NOTE:
1. ALL TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM FINAL LOCATION OF UTILITIES.



LANDSCAPE PLAN

SCALE: 1"=30'-0"

		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

MICHAEL J. URCHUK, RLA
FL RLA LICENSE NUMBER 6666675
DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVENUE SUITE 1000
ORLANDO, FL 32803



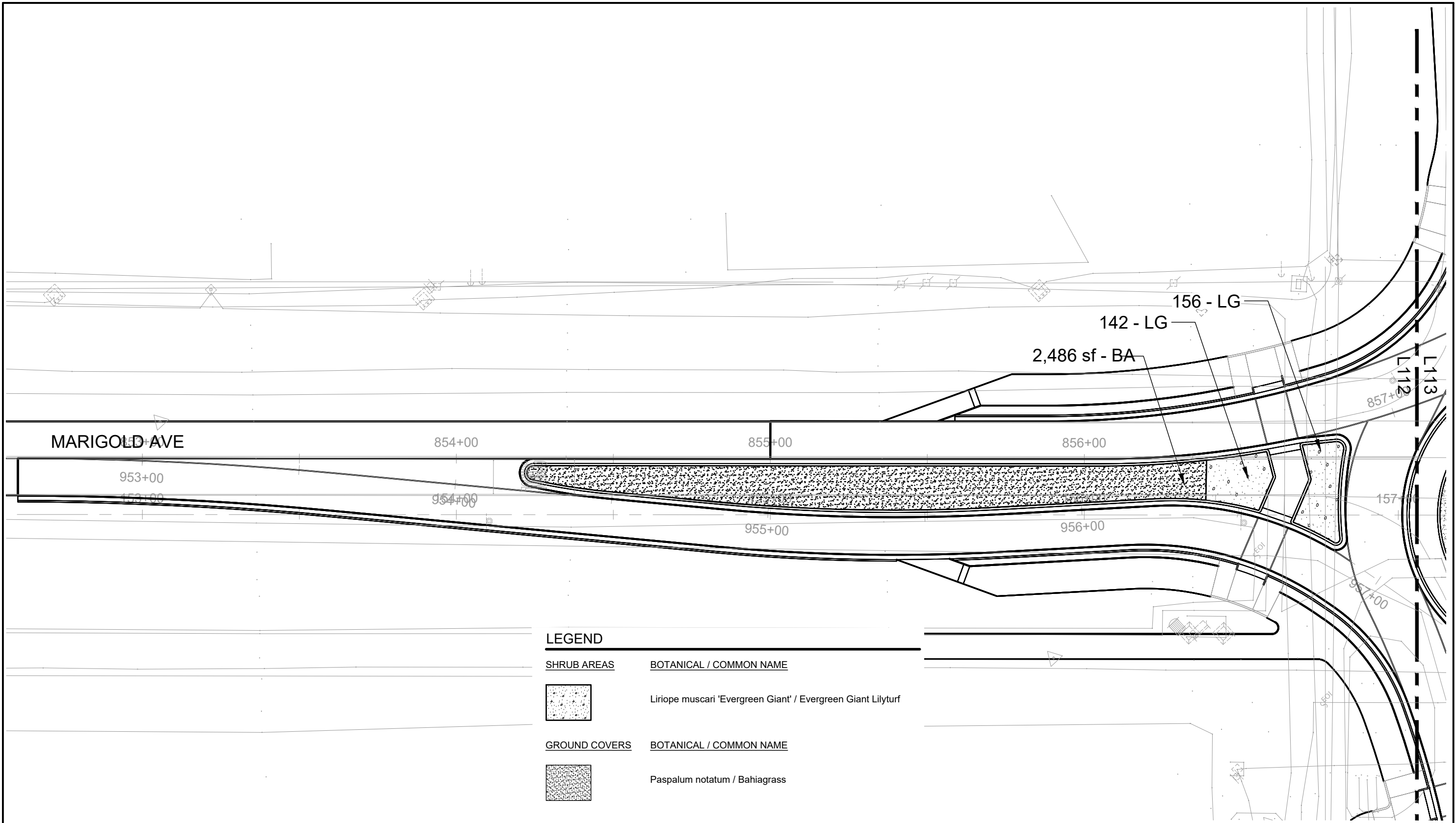
FDOT LAP PROJECT NO.

447605-1-38-01



LANDSCAPE PLAN

SHEET NO.

L111



LEGEND

SHRUB AREAS	BOTANICAL / COMMON NAME
	Liriope muscari 'Evergreen Giant' / Evergreen Giant Lilyturf
GROUND COVERS	BOTANICAL / COMMON NAME
	Paspalum notatum / Bahiagrass

NOTE:
 1. ALL TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM FINAL LOCATION OF UTILITIES.



LANDSCAPE PLAN

SCALE: 1"=30'-0"

REVISIONS	
DATE	DESCRIPTION

MICHAEL J. URCHUK, RLA
 FL RLA LICENSE NUMBER 6666675
 DEWBERRY ENGINEERS INC.
 800 NORTH MAGNOLIA AVENUE SUITE 1000
 ORLANDO, FL 32803



FDOT LAP PROJECT NO.

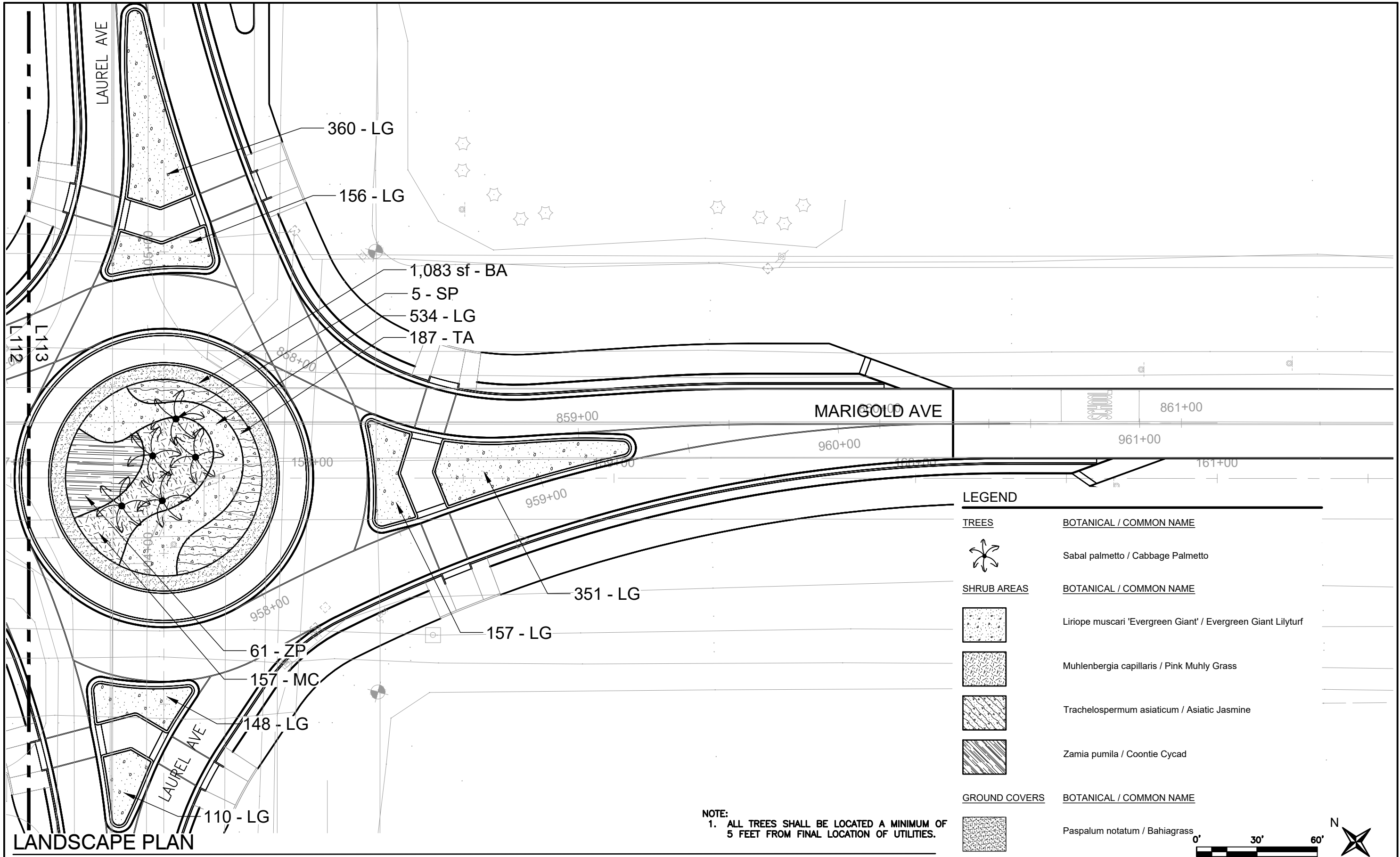
447605-1-38-01

LANDSCAPE PLAN

SHEET NO.

L112

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



LANDSCAPE PLAN

SCALE: 1"=30'-0"


LEGEND	
TREES	BOTANICAL / COMMON NAME
	Sabal palmetto / Cabbage Palmetto
SHRUB AREAS	BOTANICAL / COMMON NAME
	Liriope muscari 'Evergreen Giant' / Evergreen Giant Lilyturf
	Muhlenbergia capillaris / Pink Muhly Grass
	Trachelospermum asiaticum / Asiatic Jasmine
	Zamia pumila / Coontie Cycad
GROUND COVERS	BOTANICAL / COMMON NAME
	Paspalum notatum / Bahiagrass

NOTE:
1. ALL TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM FINAL LOCATION OF UTILITIES.



REVISIONS	
DATE	DESCRIPTION

MICHAEL J. URCHUK, RLA
FL RLA LICENSE NUMBER 6666675
DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVENUE SUITE 1000
ORLANDO, FL 32803

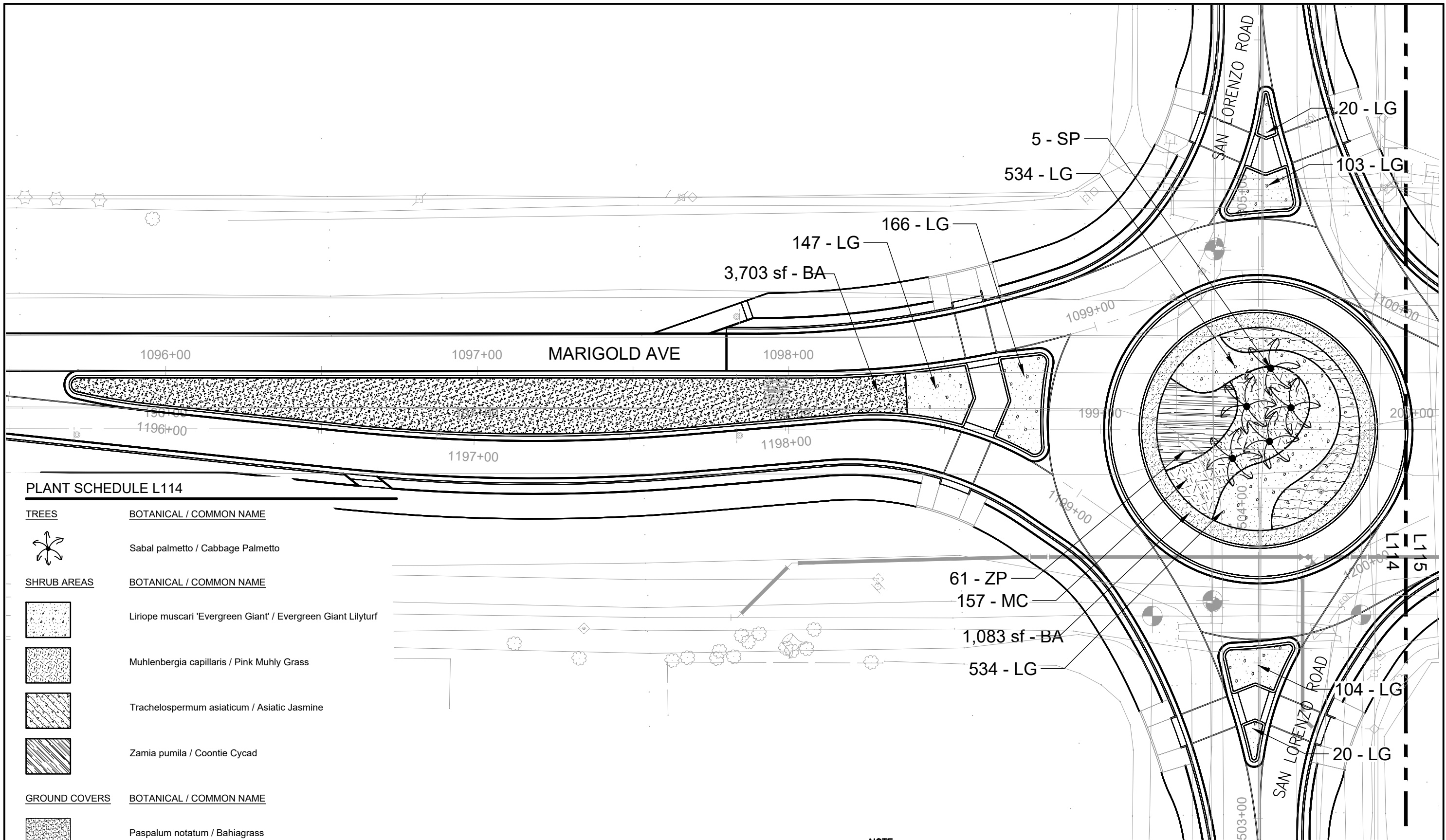


FDOT LAP PROJECT NO.
447605-1-38-01


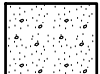

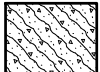
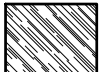

LANDSCAPE PLAN

SHEET NO.
L113

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.



PLANT SCHEDULE L114

TREES	BOTANICAL / COMMON NAME
	Sabal palmetto / Cabbage Palmetto
SHRUB AREAS	BOTANICAL / COMMON NAME
	Liriope muscari 'Evergreen Giant' / Evergreen Giant Lilyturf
	Muhlenbergia capillaris / Pink Muhly Grass
	Trachelospermum asiaticum / Asiatic Jasmine
	Zamia pumila / Coontie Cycad
GROUND COVERS	BOTANICAL / COMMON NAME
	Paspalum notatum / Bahiagrass

LANDSCAPE PLAN

SCALE: 1"=30'-0"

NOTE:
1. ALL TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM FINAL LOCATION OF UTILITIES.



REVISIONS	
DATE	DESCRIPTION

MICHAEL J. URCHUK, RLA
FL RLA LICENSE NUMBER 6666675
DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVENUE SUITE 1000
ORLANDO, FL 32803



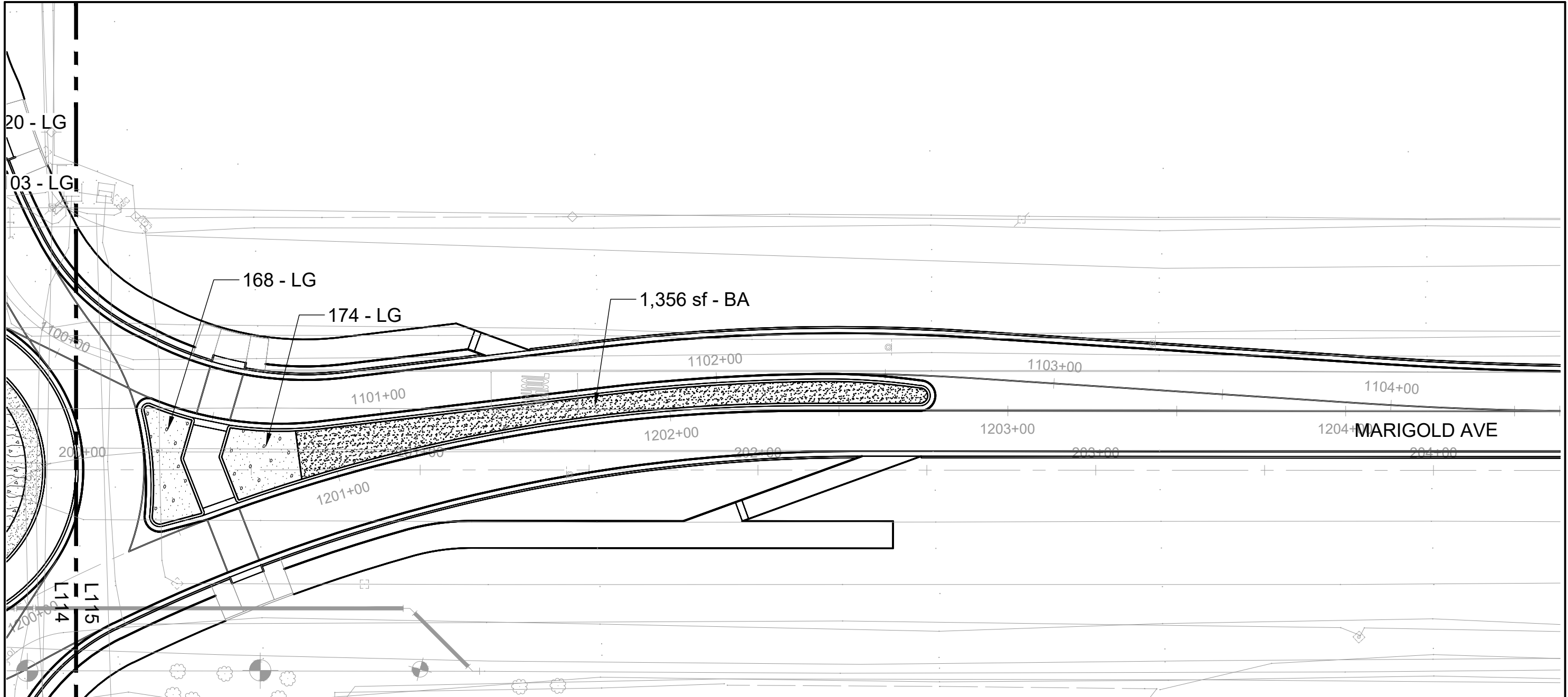
FDOT LAP PROJECT NO.

447605-1-38-01

LANDSCAPE PLAN

SHEET NO.

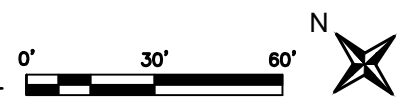
L114



LEGEND

SHRUB AREAS	BOTANICAL / COMMON NAME
	Liriope muscari 'Evergreen Giant' / Evergreen Giant Lilyturf
GROUND COVERS	BOTANICAL / COMMON NAME
	Paspalum notatum / Bahiagrass

NOTE:
1. ALL TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM FINAL LOCATION OF UTILITIES.



LANDSCAPE PLAN

SCALE: 1"=30'-0"

REVISIONS	
DATE	DESCRIPTION

MICHAEL J. URCHUK, RLA
FL RLA LICENSE NUMBER 6666675
DEWBERRY ENGINEERS INC.
800 NORTH MAGNOLIA AVENUE SUITE 1000
ORLANDO, FL 32803



FDOT LAP PROJECT NO.
447605-1-38-01

LANDSCAPE PLAN

SHEET NO.


L115

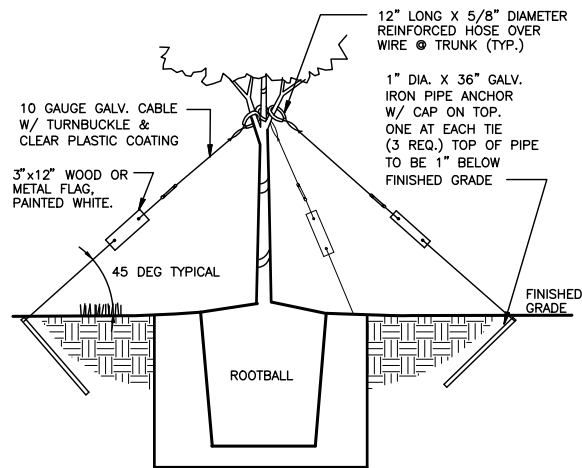
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

LANDSCAPE TABULATION OF QUANTITIES AND PLANT SCHEDULE

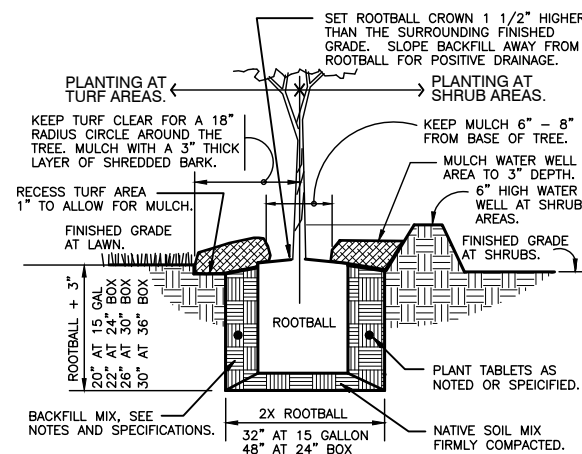
PAY ITEM NO.	SYM	DESCRIPTION (BOTANICAL NAME/ COMMON NAME ; SIZE ; SPACING ; DETAILS)	MAX. MAINT. SIZE	REMARKS	UNIT	SHEET NUMBERS										TOTAL THIS SHEET		GRAND TOTAL			
						L1.10		L1.11		L1.12		L1.13		L1.14		L1.15		PLAN	FINAL	PLAN	FINAL
						PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL	PLAN	FINAL				
		TURF/ SOD			SF																
	BA	PASPALUM NOTATUM / BAHIA GRASS				3,545		1,102		2,486		1,083		4,786		1,356					
		SMALL PLANTS			LS																
	LM	LIRIOPE MUSCAN 'EVERGREEN GIANT / EVERGREEN GIANT LILYTURF	1 . 5'			333		1,096		298		1,816		1,094		342					
	MC	MUHLENBERGIA CAPILLARIS / PINK MUHLY GRASS						157				157		157							
	TA	TRACHELOSPERMUM ASIATICUM / ASIATIC JASMINE						187				187		187							
	ZP	ZAMIA PUMILA / COONTIE CYCAD						61				61		61							
		LARGE PLANTS			LS																
	SP	SABAL PALMETTO / CABBAGE PALMETTO	NF / 50'					5				5		5							

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23-004, F.A.C.

<i>REVISIONS</i>				MICHAEL J. URCHUK, RLA FL RLA LICENSE NUMBER 6666675 DEWBERRY ENGINEERS INC. 800 NORTH MAGNOLIA AVENUE SUITE 1000 ORLANDO, FL 32803	 OSCEOLA COUNTY	FDOT LAP PROJECT NO.	<i>LANDSCAPE LEGEND</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			447605-1-38-01		L230



STAKING DETAIL

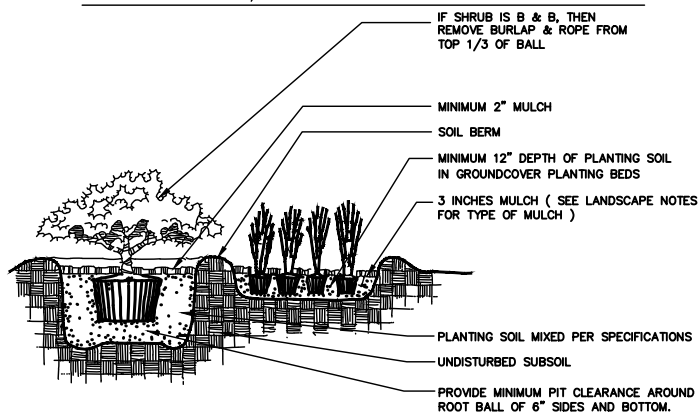
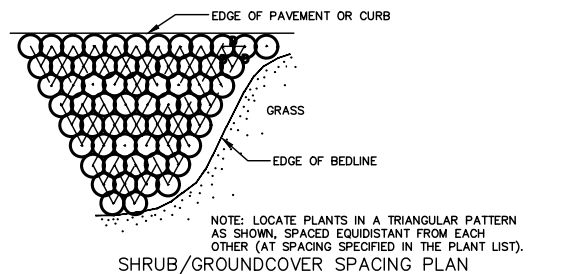
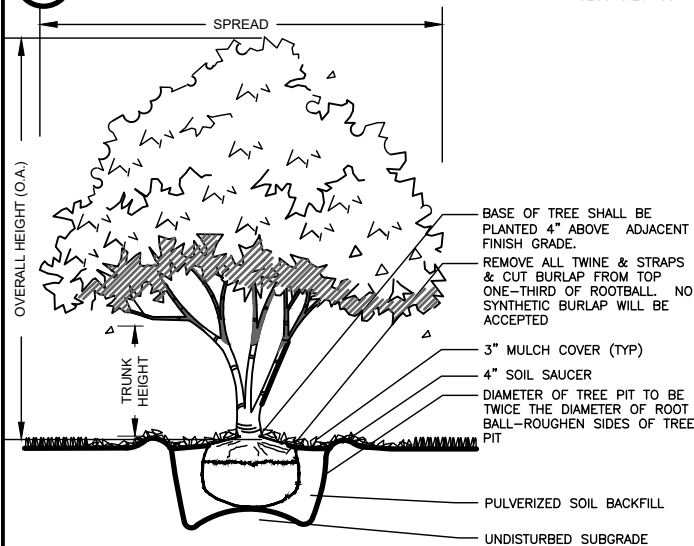


PLANT PIT DETAIL

1 TREE GUY WIRE PLANTING

1" = 1'-0"

329343.26-03



3 SHRUB AND GROUNDCOVER PLANTING

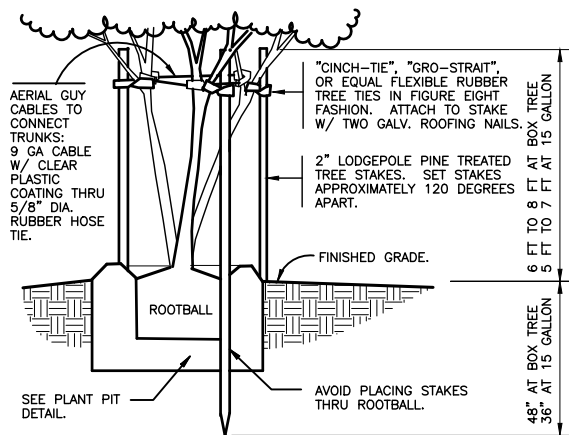
NTS

329333.13-04

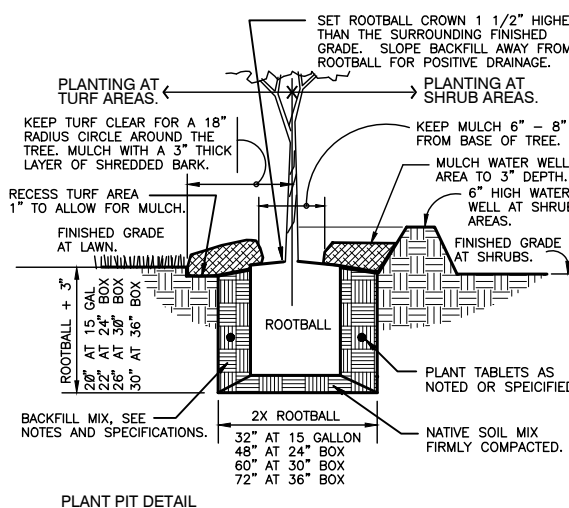
4 TREE PLANTING MULTI-STAKE

1" = 1'-0"

329343.23-03



STAKING DETAIL



PLANT PIT DETAIL

LANDSCAPE NOTES:

- The landscape Contractor shall be responsible for all materials and all work as called for on the Landscape Plans and in the Landscape Specifications. In the event of variation between quantities shown on plant list and the plans, the plans shall control. The Landscape Contractor shall verify all quantities and report any discrepancies at the time of bidding.
- The Landscape Contractor shall review architectural/engineering plans and become thoroughly familiar with surface and subsurface utilities.
- Every possible safeguard shall be taken to protect building surfaces, equipment and furnishings. The Landscape Contractor shall be responsible for any damage or injury to person or property which may occur as a result of negligence in the execution of the work.
- The work shall be coordinated with other trades to prevent conflicts. Coordinate the planting with the irrigation work to assure availability and proper location of irrigation items and plants.
- All planting shall be performed by personnel familiar with planting procedure and under the supervision of a qualified planting foreman.
- All plant material shall be graded Florida No. 1 or better as outlined under Grades and Standards for Nursery Plants, Part I and II, published by the Florida Department of Agriculture and Consumer Services.
- The Landscape Architect or Owner shall have the right, at any stage of the operations, to reject any and all work and materials which, in his opinion, do not meet with the requirements of these specifications.
- Except as otherwise specified, the Landscape Contractor's work shall conform to accepted horticultural practices as used in the trade.
- The minimum acceptable size of all plants, measured after pruning, with branches in normal positions, shall conform to the measurements specified on the plant list or as indicated on the landscape drawing. Height and spread dimensions refer to main body of the plant and not extreme branch tip to tip. The caliper of tree trunks is to be taken one foot above the ground level for trees 4" and larger and 6" above ground for trees less than 4".
- Plants shall be protected upon arrival at the site, by being thoroughly watered and properly maintained until planted.
- All tree pits shall be excavated to size and depth in accordance with the USDA Standard for Nursery Stock 260.1, unless shown otherwise on the drawings, and backfilled with the specified planting soil. The Landscape Contractor shall test fill all tree pits with water before planting to assure proper drainage percolation is available.
- The Landscape Contractor shall be responsible for proper watering of all plants. All plants shall be thoroughly watered at time of planting and kept adequately watered until time of acceptance. It shall be the Landscape Contractor's responsibility to assure that plants are not over watered.
- It shall be the Landscape Contractor's responsibility to prevent plants from falling or being blown over, to re-straighten and replant all plants which lean or fall and to replace all plants which are damaged due to lack of proper guying or staking. The Landscape Contractor shall be legally liable for any damage caused by instability of any plant material.
- All trees and all palms shall be guyed or staked or braced. The Landscape Contractor shall determine which small or multi-trunk trees need to be guyed and staked to maintain plumb. Staking of trees and shrubs, if required, shall be done as per staking and guying detail prepared by the Landscape Architect. It shall be the responsibility of the Landscape Contractor to remove guys and stakes from the trees and job site after a period of 90 days.
- Plants blown over by high winds, within the guaranteed period, shall not be cause for additional expense to the Owner, but shall be the responsibility of the Landscape Contractor. Damaged plants shall be replaced by the Landscape Contractor at no additional cost to the Owner.
- Sod shall be certified to be free of the imported fire ant. Sod shall have a clean growth of acceptable grass, reasonably free of weeds with not less than 1 1/2" of soil firmly adhering to roots. It shall be the responsibility of the Landscape Contractor to measure and determine the exact amount required. This amount shall be verified with the Owner or Landscape Architect before installation.
- The Landscape Contractor shall insure adequate vertical drainage in all plant beds, planters, and sod areas. Vertical drilling through any compacted fill to native soil shall be accomplished to insure drainage. If well drained fill is necessary to assure positive drainage, this issue shall be brought up by the Landscape Contractor at time of bidding.
- The Landscape Contractor shall insure that his work does not interrupt established or projected drainage patterns.
- The Landscape Contractor shall prune, shape and remove dead foliage/limbs from existing plant material to remain. Confirm with the Landscape Architect or Owner the extent of work required at time of bidding.
- Mulch - All plant beds shall be top dressed with 3" shredded hardwood mulch (or approved equal).
- Transplanted Material - The Landscape Contractor shall be responsible for determining and evaluating which plant materials are suitable for transplanting and shall verify this with the Landscape Architect or Owner. The Landscape Contractor shall take all reasonable, horticulturally acceptable measures to assure the successful transplanting of determined plant materials. The Landscape Contractor shall be responsible for replacing any relocated plant materials which die if such measures are not taken, as determined by the Landscape Architect or Owner. Replacement plants shall be of identical species and size if required.
- MAINTENANCE PRIOR TO FINAL INSPECTION AND ACCEPTANCE:
 - Maintenance shall commence after each plant is planted and the maintenance period shall continue until the job or specific phase of the job is accepted by the Landscape Architect or Owner. Extreme care shall be taken to instruct the Owner or his representatives in general maintenance procedures.
 - Plant maintenance shall include watering, pruning, weeding, cultivating, mulching, tightening, and repairing of guys, replacement of sick or dead plants, resetting plants to proper grades or upright positions and restoration of the planting saucer and all other care needed for proper growth of the plants.
 - During the maintenance period and up to the date of final acceptance, the Landscape Contractor shall do all seasonal spraying and/or dusting of trees and shrubs. Upon completion of all planting, an inspection for acceptance of work will be held. The Landscape Contractor shall notify the Landscape Architect or Owner for scheduling of the inspection 10 days prior to the anticipated date.
 - At the time of the inspection, if all of the materials are acceptable, a written notice will be given by the Landscape Architect or Owner to the Landscape Contractor Stating the date when the Maintenance Period ends.
- GUARANTEE AND REPLACEMENT:
 - All plant materials shall be guaranteed for one (1) year from the time of final inspection and interim acceptance shall be alive and in satisfactory growth for each specific kind of plant at the end of the guaranteed period.
 - At the end of the guarantee period, any plant required under this contract that is dead or not in satisfactory growth, as determined by the Owner or the Landscape Architect, shall be removed and replaced. Replacement plants shall have an extended guarantee, as noted above, from time of replacement.
 - All replacements shall be planted of the same kind and size as specified on the plant list. They shall be the responsibility of the Landscape Contractor.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

MICHAEL J. URCHUK, RLA
 FL RLA LICENSE NUMBER 6666675
 DEWBERRY ENGINEERS INC.
 800 NORTH MAGNOLIA AVENUE SUITE 1000
 ORLANDO, FL 32803

OSCEOLA COUNTY

FDOT LAP PROJECT NO.
 447605-1-38-01

LANDSCAPE NOTES & DETAILS

SHEET NO.
 L231

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.