

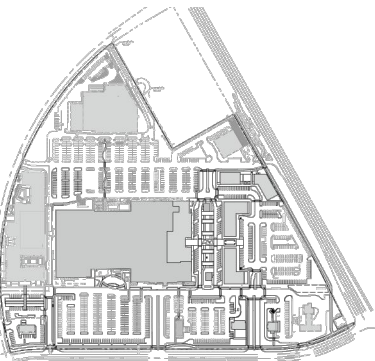
PLANT SCHEDULE			
TREES	CODE	BOTANICAL NAME	COMMON NAME
	ACE BUE	Acer buergerianum 'Aeryn'	Trident Maple
	AME GRA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Apple Serviceberry
	CAR NAF	Carpinus caroliniana 'JFS-KWE TM	Native Flame American Hornbeam
	CER EAS	Cercis canadensis	Eastern Redbud Multi-trunk
	GIN PSG	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Maidenhair Tree
	LAG TRE	Lagerstroemia indica 'Catawba'	Catawba Crape Myrtle
	NYS WIL	Nyssa sylvatica 'Wildfire'	Black Gum
	QUE MOP	Quercus nuttallii 'Esplanade'	Esplanade Nuttall Oak
	QUE PAL	Quercus palustris	Pin Oak
	QUE HIG	Quercus phellos 'Hightower'	Willow Oak
	ULM ALL	Ulmus parvifolia 'Alee' TM	Alee Lacebark Elm
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
	BUX GEM	Buxus 'Green Gem'	Bonwood 'Green Gem'
	ILE GLA	Ilex glabra 'Compacta'	Compact Inkberry
	ILE VOM	Ilex vomitoria	Yaupon Holly
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME
	AMS EBD	Amorpha tabernaemontana 'Storm Cloud'	Storm Cloud Eastern Bluestar
	ITE VQ2	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetspire
	JUN EFF	Juncus effusus	Common Rush
	LIA SPI	Liatris spicata	Blazing Star
	PAN SHD	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME
	TUR SEE	Turf Grass	SEED

LIGHTING SCHEDULE

- FXM1 LUMISTIK COLUMN
- FXM2 LUMISTIK BOLLARD
- FXM3/FXM3B MISTELLA POLE
- FXM4 CATENARY POLE
- FXM5 LIGHT STRINGS
- FXM6/FM6A AREA LUMINAIRE

NOTE: REFER TO LIGHTING CUT SHEETS FOR MORE INFORMATION ON FIXTURES.

KEY MAP



SEAL

PRELIMINARY
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ENGINEER REG. # DATE

PROJECT

UNIVERSITY
PLACE PHASE 1D

RAM REALTY

201 S ESTES DRIVE

CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE
1	ZCP	11.12.2021

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE

VERT: N/A
HORZ: 1"=100'

0 50' 100' 200'

SHEET TITLE

OVERALL REQUIRED
PLANTING PLAN

SHEET NUMBER

L4-00

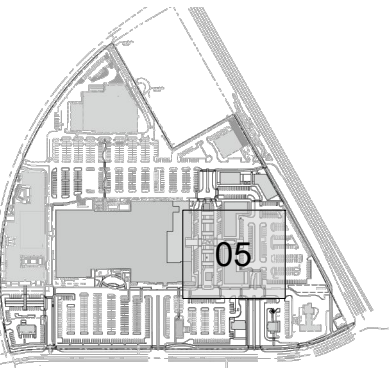


LIGHTING SCHEDULE

	FXM1 LUMISTIK COLUMN
	FXM2 LUMISTIK BOLLARD
	FXM3/FXM3B MISTELLA POLE
	FXM4 CATENARY POLE
	FXM5 LIGHT STRINGS
	FXM6/FM6A AREA LUMINAIRE

NOTE: REFER TO LIGHTING CUT SHEETS FOR MORE INFORMATION ON FIXTURES.

KEY MAP



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UNDER THE SUPERVISION OF:

#####	####	12/22/21
ENGINEER	REG. #	DATE

PROJECT

**UNIVERSITY
PLACE PHASE 1D**

RAM REALTY
11 S ESTES DRIVE
CAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

[illegible]

SIGNED BY: LD
AWN BY: ZK
ECKED BY: AM

SCALE NORTH

RT: N/A
RZ: 1"=20'

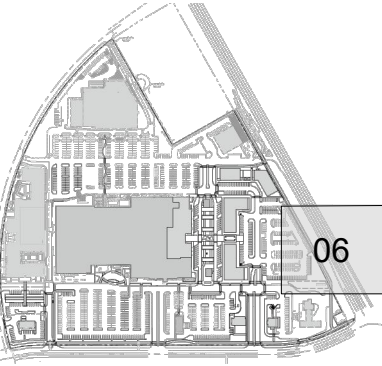
SHEET TITLE

REQUIRED PLANTING PLAN
ENLARGEMENT 5

SHEET NUMBER

L4-05

KEY MAP



SEAL

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ENGINEER REG.# DATE

PROJECT

**UNIVERSITY
PLACE PHASE 1D**

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE
1	ZCP	11.12.2021

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE NORTH
VERT: N/A
HORZ: 1"=20'
0 10' 20' 40'

SHEET TITLE

**REQUIRED PLANTING PLAN
ENLARGEMENT 6**

SHEET NUMBER

L4-06

PLANT SCHEDULE			
TREES	CODE	BOTANICAL NAME	COMMON NAME
	ACE BUE	Acer buergerianum 'Aeryn'	Trident Maple
	AME GRA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Apple Serviceberry
	CAR NAF	Carpinus caroliniana 'JFS-KWE TM	Native Flame American Hornbeam
	CER EAS	Cercis canadensis	Eastern Redbud Multi-trunk
	GIN PSG	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Maidenhair Tree
	LAG TRE	Lagerstroemia indica 'Catawba'	Catawba Crape Myrtle
	NYS WIL	Nyssa sylvatica 'Wildfire'	Black Gum
	QUE MCP	Quercus nuttallii 'Esplanade'	Esplanade Nuttall Oak
	QUE PAL	Quercus palustris	Pin Oak
	QUE HIG	Quercus phellos 'Hightower'	Willow Oak
	ULM ALL	Ulmus parvifolia 'Alee' TM	Alee Lacebark Elm
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
	BUX GEM	Buxus 'Green Gem'	Bonwood Green Gem1
	ILE GLA	Ilex glabra 'Compacta'	Compact Highberry
	ILE VOM	Ilex vomitoria	Yaupon Holly
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME
	AMS EBD	Amorpha tabernaemontana 'Storm Cloud'	Storm Cloud Eastern Bluestar
	ITE VQ2	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetspire
	JUN EFF	Juncus effusus	Common Rush
	LIA SPI	Liatris spicata	Blazing Star
	PAN SHD	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME
	TUR SEE	Turf Grass	SEED

LIGHTING SCHEDULE

- FXM1 LUMISTIK COLUMN
- FXM2 LUMISTIK BOLLARD
- FXM3/FXM3B MISTELLA POLE
- FXM4 CATENARY POLE
- FXM5 LIGHT STRINGS
- FXM6/FM6A AREA LUMINAIRE

NOTE: REFER TO LIGHTING CUT SHEETS FOR MORE INFORMATION ON FIXTURES.



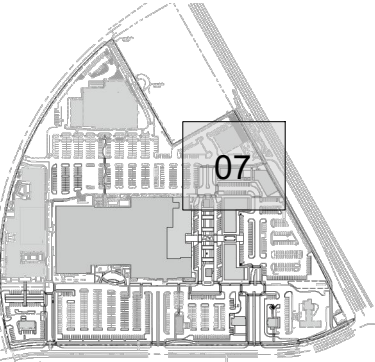
PLANT SCHEDULE			
TREES	CODE	BOTANICAL NAME	COMMON NAME
	ACE BUE	Acer buergerianum 'Aeryn'	Trident Maple
	AME GRA	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Apple Serviceberry
	CAR NAF	Carpinus caroliniana 'JFS-KWE TM	Native Flame American Hornbeam
	CER EAS	Cercis canadensis	Eastern Redbud Multi-trunk
	GIN PSG	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Maidenhair Tree
	LAG TRE	Lagerstroemia indica 'Catawba'	Catawba Crape Myrtle
	NYS WIL	Nyssa sylvatica 'Wildfire'	Black Gum
	QUE MOP	Quercus nuttallii 'Esplanade'	Esplanade Nuttall Oak
	QUE PAL	Quercus palustris	Pin Oak
	QUE HIG	Quercus phellos 'Hightower'	Willow Oak
	ULM ALL	Ulmus parvifolia 'Alee' TM	Alee Lacebark Elm
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME
	BUX GEM	Buxus 'Green Gem'	Bonwood 'Green Gem'
	ILE GLA	Ilex glabra 'Compacta'	Compact Highberry
	ILE VOM	Ilex vomitoria	Yaupon Holly
SHRUB AREAS	CODE	BOTANICAL NAME	COMMON NAME
	AMS EBD	Amsinckia tabernaemontana 'Storm Cloud'	Storm Cloud Eastern Bluestar
	ITE VQ2	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetspire
	JUN EFF	Juncus effusus	Common Rush
	LIA SPI	Liatris spicata	Blazing Star
	PAN SHD	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME
	TUR SEE	Turf Grass	SEED

LIGHTING SCHEDULE

- FXM1 LUMISTIK COLUMN
- FXM2 LUMISTIK BOLLARD
- FXM3/FXM3B MISTELLA POLE
- FXM4 CATENARY POLE
- FXM5 LIGHT STRINGS
- FXM6/FM6A AREA LUMINAIRE

NOTE: REFER TO LIGHTING CUT SHEETS FOR MORE INFORMATION ON FIXTURES.

KEY MAP



SEAL

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ENGINEER REG. # DATE

PROJECT

UNIVERSITY
PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.# 1019418

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE
1	ZCP	11.12.2021

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE

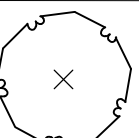
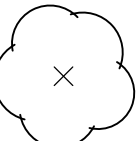
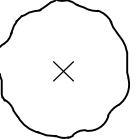
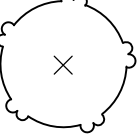
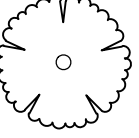
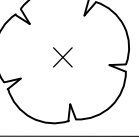
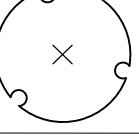
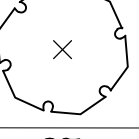
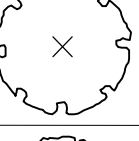
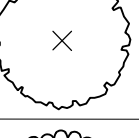
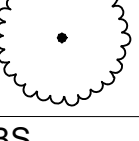
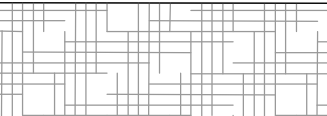
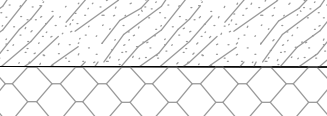
VERT: N/A
HORZ: 1"=20'

SHEET TITLE

REQUIRED PLANTING PLAN
ENLARGEMENT 7

SHEET NUMBER

L4-07

PLANT SCHEDULE									
TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. CONT.	MIN. CAL.	MIN. HT.		REMARKS
	ACE BUE	31	Acer buergerianum 'Aeryn'	Trident Maple	-	4"	16-18'		STRONG CENTRAL LEADER
	AME GRA	27	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Apple Serviceberry	-	-	10-12'		MULTI-STEM. 3-5 TRUNKS
	CAR NAF	2	Carpinus caroliniana 'JFS-KW6' TM	Native Flame American Hornbeam	-	3"	10-12'		
	CER EAS	29	Cercis canadensis	Eastern Redbud Multi-trunk	-	2.5"	10-12'		MULTI-STEM. 3-5 TRUNKS
	GIN PSG	1	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Maidenhair Tree	-	3"	10-12'		STRONG CENTRAL LEADER.
	LAG TRE	31	Lagerstroemia indica 'Catawba'	Catawba Crape Myrtle	-	3"	10-12'		SINGLE STEM
	NYS WIL	16	Nyssa sylvatica 'Wildfire'	Black Gum	-	4"	12-14'		STRONG CENTRAL LEADER. MATCHED SPECIMENS
	QUE MOP	6	Quercus nuttallii 'Esplanade'	Esplanade Nuttall Oak	-	3"	10-12'		STRONG CENTRAL LEADER
	QUE PAL	6	Quercus palustris	Pin Oak	-	2.5"	10-12'		
	QUE HIG	8	Quercus phellos 'Hightower'	Willow Oak	-	3"	10-12'		STRONG CENTRAL LEADER
	ULM ALL	4	Ulmus parvifolia 'Allee' TM	Allee Lacebark Elm	-	8"	18-20'		
SHRUBS	CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. CONT.	SPACING	MIN. HT.	SPACING	REMARKS
	BUX GEM	35	Buxus 'Green Gem'	Boxwood 'Green Gem'l	-	As Shown	24"	36" o.c.	24' MIN. HEIGHT AT TIME OF PLANTING
	ILE GLA	60	Ilex glabra 'Compacta'	Compact Inkberry	#3	As Shown	36"	48" o.c.	36" MIN. HEIGHT AT TIME OF PLANTING
	ILE VOM	63	Ilex vomitoria	Yaupon Holly	#1			48" o.c.	
SHRUB AREAS	CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. CONT.	SPACING	MIN. HT.	SPACING	REMARKS
	AMS EBD	311	Amsonia tabernaemontana 'Storm Cloud'	Strom Cloud Eastern Bluestar	#1	18" O.C.		18" o.c.	
	ITE VI2	126	Itea virginica 'Henry's Garnet'	Henry's Garnet Sweetspire	#1	36" O.C.		36" o.c.	
	JUN EFF	218	Juncus effusus	Common Rush	#1	24" O.C.		24" o.c.	
	LIA SPI	96	Liatris spicata	Blazing Star	#1	24" O.C.		24" o.c.	
	PAN SHD	72	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	#1	36" O.C.		36" o.c.	
GROUND COVERS	CODE	QTY	BOTANICAL NAME	COMMON NAME	MIN. CONT.	SPACING	MIN. HT.		REMARKS
	TUR SEE	4,487 sf	Turf Grass	SEED	SEED				

NOTE: REFER TO SUPPLEMENTAL PLANTING PLAN FOR FULL PLANT SCHEDULE.

REQUIRED PLANTING CALCULATIONS

PHASE 1D AREA: ± 196,619 SF

MIN. 30% CANOPY (196,619.00 x .30): ± 58,986 SF
EXISTING CANOPY TO REMAIN: ± 2,382 SF

TREE CANOPY DEFICIT ± 56,604 SF
(58,986 SF - 2,382 SF):

TREES REQUIRED = 113 TREES
(56,604 SF / 500 SF)*:
1 TREE REQUIRED PER 500 SF DEFICIT

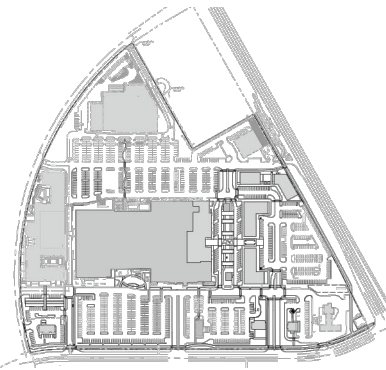
TREES PROVIDED ON-SITE = 157 TREES

REMAINING PERCENT CANOPY: ± 1.21 %
PROVIDED PERCENT CANOPY: ± 39.92 %

TOTAL FINISHED CANOPY: ± 41.13 %

* REPLACEMENT OF CANOPY DETERMINED BY SECTION 5.7 OF CHAPEL HILL CODE OF ORDINANCES. A MINIMUM TREE CANOPY COVERAGE OF 30% IS REQUIRED WITH AT LEAST 20% COVERAGE REQUIRED ON-SITE DETERMINED BY UNIVERSITY PLACE DESIGN STANDARDS. REMAINING 10% IS ALLOWED TO BE PROVIDED EITHER OFF-SITE OR BY PAYMENT IN LIEU (PER LUMO 5.7.2(C)).

KEY MAP



SEAL

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PROJECT

UNIVERSITY PLACE PHASE 1D

RAM REALTY
201 S ESTES DRIVE
CHAPEL HILL, NC 27514

LANDDESIGN PROJ.#

1019418

REVISION / ISSUANCE

NO.	DESCRIPTION	DATE
1	ZCP	11.12.2021

DESIGNED BY: LD
DRAWN BY: ZK
CHECKED BY: AM

SCALE NORTH

VERT: N/A
HORZ:

SHEET TITLE

REQUIRED PLANTING
SCHEDULE + CALCULATIONS

SHEET NUMBER

L4-10

Revisions		
No.	Description	Date

