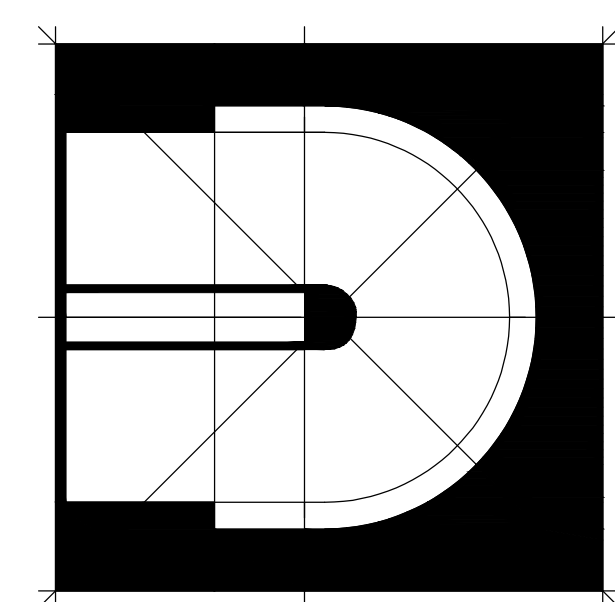


VILLAGE OF MANNNSDALE

LANDSCAPE AND LIGHTING SUBMITTAL



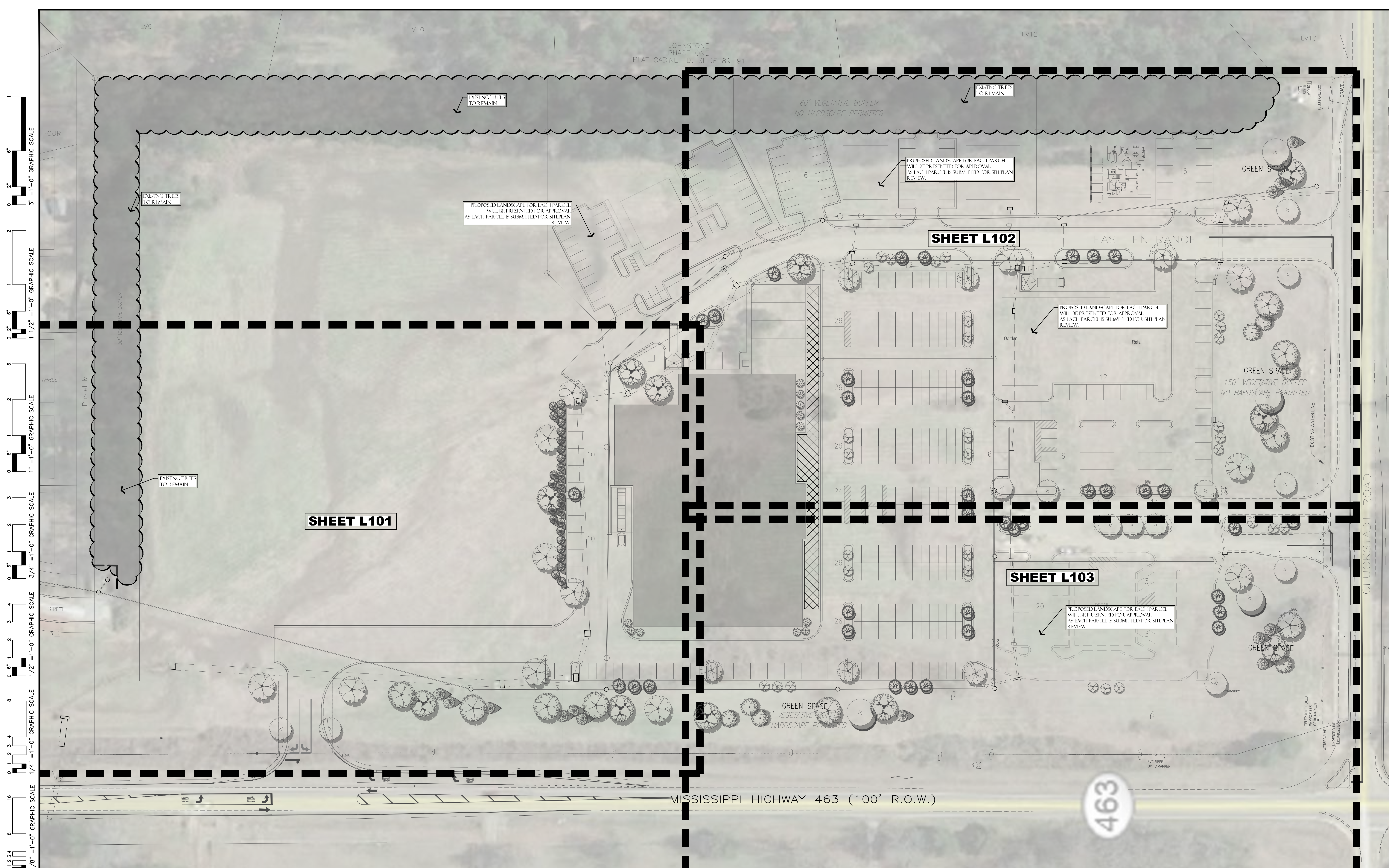
Dean and Dean/Associates
architects a professional association

DEAN • GEDDIE • GRANT • OUBRE

TRENT RHODES - LANDSCAPE ARCHITECT
EDMONDS ENGINEERING - ELECTRICAL ENGINEERS

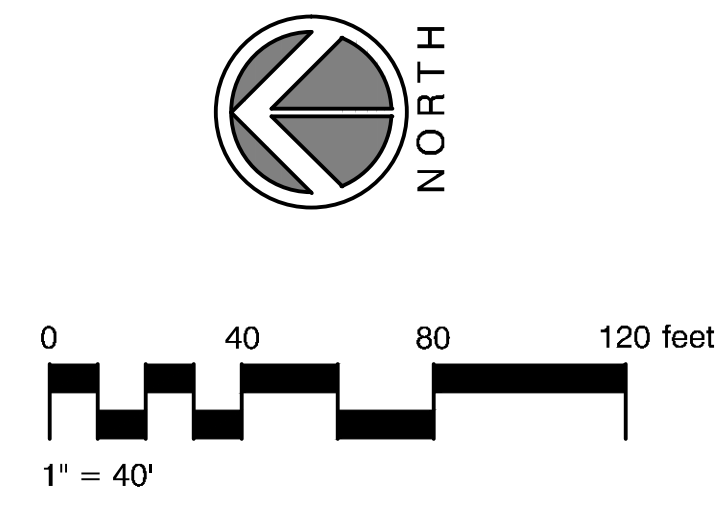
P.O. Box 4685
Jackson, MS
39296-4685
4400 Old Canton Road
Suite 200 Highland Bluff
39211

PROJECT NUMBER - 16033
SET NUMBER _____
DATE: JULY 31, 2020

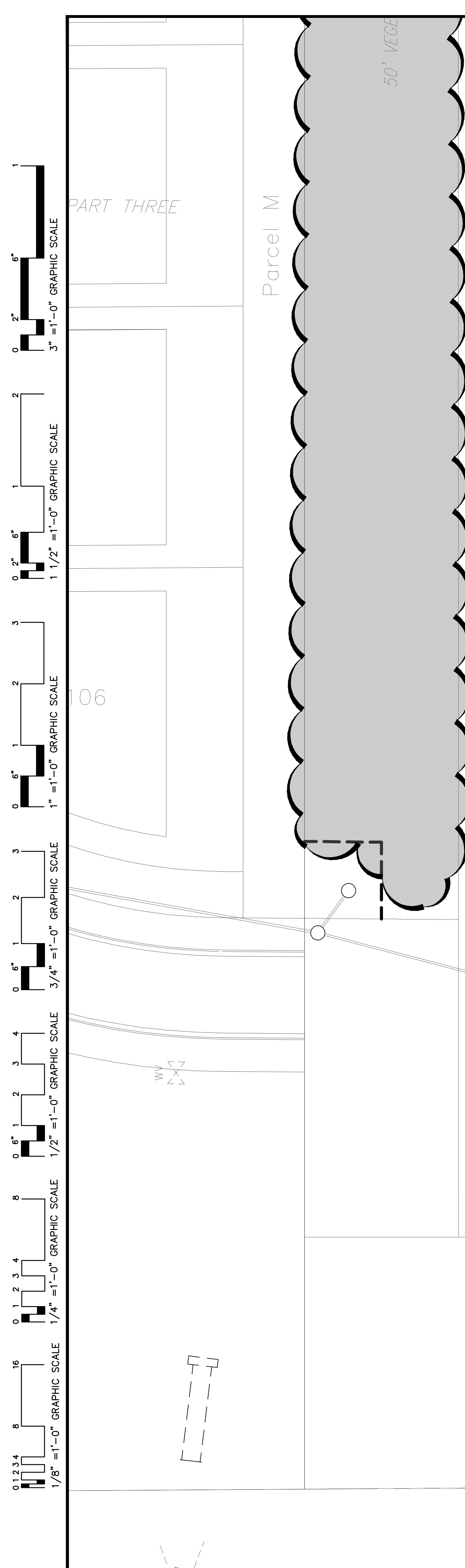


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1 PLANTING KEYPLAN









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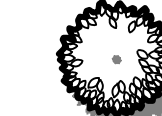








PLANT SCHEDULE			
TREES	CODE	COMMON NAME	BOTANICAL NAME
	CUP ARI	Leyland Cypress	Cupressus X Ielandii
	CUP CAR	Carolina Sapphire Cypress	Cupressus arizonica 'Carolina Sapphire'
	ILE SA6	Eagleston Holly	Ilex x 'Eagleston'
	ILE FOS	Foster's Holly	Ilex x attenuata 'Fosteri'
	JUN EA2	Eastern Red Cedar	Juniperus virginiana
	LAG IN4	Natchez White Crape Myrtle	Lagerstroemia indica 'Natchez White'
	MAG CLA	Claudia W. Magnolia	Magnolia grandiflora 'Claudia Wannamaker'
	NYS SYL	Black Gum	Nyssa sylvatica
	PIS CHI	Chinese Pistache	Pistacia chinensis
	QUE PH3	Willow Oak	Quercus phellos
	QUE SH3	Shumard Red Oak	Quercus shumardii
	QUE VIR	Southern Live Oak	Quercus virginiana
	ULM DRA	Drake Elm	Ulmus parvifolia 'Drake'
SHRUBS	CODE	COMMON NAME	BOTANICAL NAME
	ABE ED3	Rose Creek Abelia	Abelia x grandiflora 'Rose Creek'
	ILE CA2	Carissa Holly	Ilex cornuta 'Carissa'
	ILE NE3	Needlepoint Holly	Ilex cornuta 'Needlepoint'
	ILE NA2	Dwarf Yaupon	Ilex vomitoria 'Nana'
	ILE MA2	Mary Nell Holly	Ilex x 'Mary Nell'
	LIG JA2	Japanese Ligustrum	Ligustrum japonicum
	LIG SU5	Sunshine Ligustrum	Ligustrum sinense 'Sunshine'
	LOR SU4	Suzanne Loropetalum	Loropetalum chinense rubrum 'Suzanne'








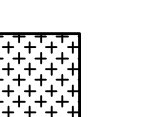

GROUND COVERS	CODE	COMMON NAME	BOTANICAL NAME
	ANN A29	Annual Color	
	CYN DA3	Bermuda Grass-Seed	Cynodon dactylon
	TUR SOD	Tifway 419 Bermuda	Cynodon dactylon 'Tifway 419'
	LIR MU4	Bigblue Liriope	Liriope muscari 'Bigblue'

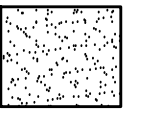
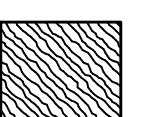
PLANT SCHEDULE

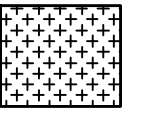
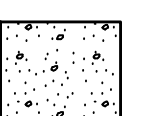
TREES	CODE	COMMON NAME	BOTANICAL NAME
	CUP ARI	Leyland Cypress	Cupressus X lelandii
	CUP CAR	Carolina Sapphire Cypress	Cupressus arizonica 'Carolina Sapphire'
	ILE SA6	Eagleston Holly	Ilex x 'Eagleston'
	ILE FOS	Foster's Holly	Ilex x attenuata 'Fosteri'
	JUN EA2	Eastern Red Cedar	Juniperus virginiana
	LAG IN4	Natchez White Crape Myrtle	Lagerstroemia indica 'Natchez White'

TREES	CODE	COMMON NAME	BOTANICAL NAME
	MAG CLA	Claudia W. Magnolia	Magnolia grandiflora 'Claudia Wannemaker'
	NYS SYL	Black Gum	Nyssa sylvatica
	PIS CHI	Chinese Pistache	Pistacia chinensis
	QUE PH3	Willow Oak	Quercus phellos
	QUE SH3	Shumard Red Oak	Quercus shumardii
	QUE VIR	Southern Live Oak	Quercus virginiana
	ULM DRA	Drake Elm	Ulmus parvifolia 'Drake'

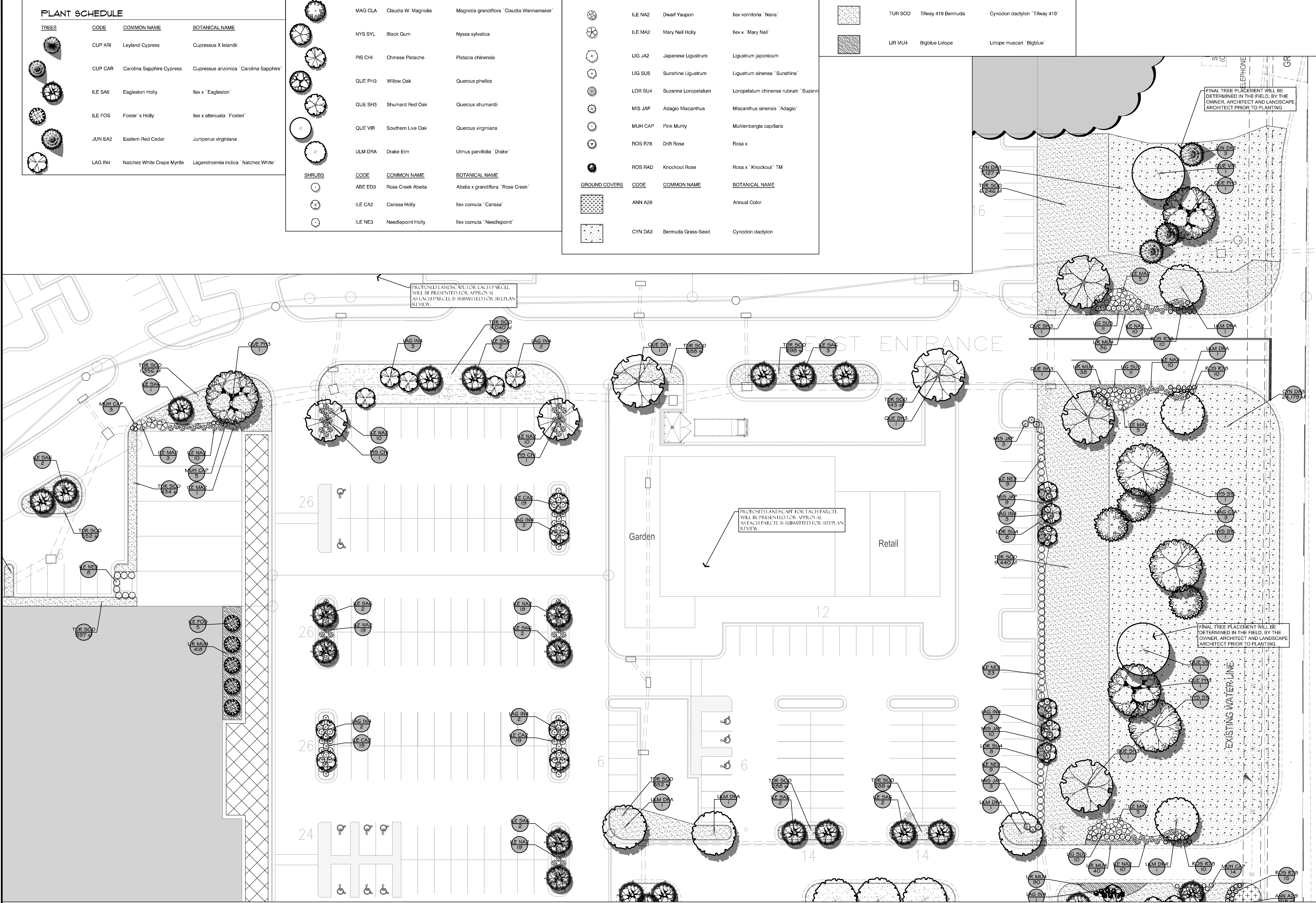
SHRUBS	CODE	COMMON NAME	BOTANICAL NAME
	ABE ED3	Rose Creek Abelia	Abelia x grandiflora 'Rose Creek'
	ILE CA2	Carissa Holly	Ilex cornuta 'Carissa'
	ILE NE3	Needlepoint Holly	Ilex cornuta 'Needlepoint'

TREES	CODE	COMMON NAME	BOTANICAL NAME
	ILE NA2	Dwarf Yaupon	Ilex vomitoria 'Nana'
	ILE MA2	Mary Nell Holly	Ilex x 'Mary Nell'
	LIG JA2	Japanese Ligustrum	Ligustrum japonicum
	LIG SU5	Sunshine Ligustrum	Ligustrum sinense 'Sunshine'
	LOR SU4	Suzanne Loropetalum	Loropetalum chinense rubrum 'Suzanne'
	MIS JAP	Adagio Miscanthus	Miscanthus sinensis 'Adagio'
	MUH CAP	Pink Muhly	Muhlenbergia capillaris
	ROS R78	Drift Rose	Rosa x 'Knockout' TM
	ROS RAD	Knockout Rose	Rosa x 'Knockout' TM

	TUR SOD	Tifway 419 Bermuda	Cynodon dactylon 'Tifway 419'
	LIR MU4	Bigblue Liriope	Liriope muscari 'Bigblue'

GROUND COVERS	CODE	COMMON NAME	BOTANICAL NAME
	ANN A29	Annual Color	Annual Color
	CYN DA3	Bermuda Grass Seed	Cynodon dactylon

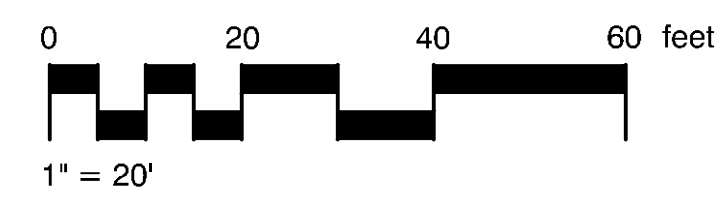
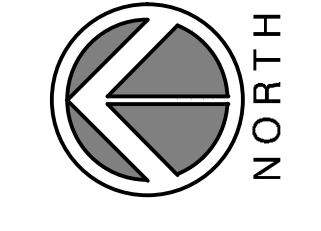
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FINAL TREE PLACEMENT WILL BE DETERMINED IN THE FIELD, BY THE OWNER, ARCHITECT AND LANDSCAPE ARCHITECT PRIOR TO PLANTING.

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1 PLANTING PLAN



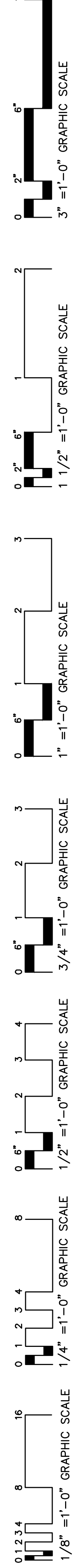
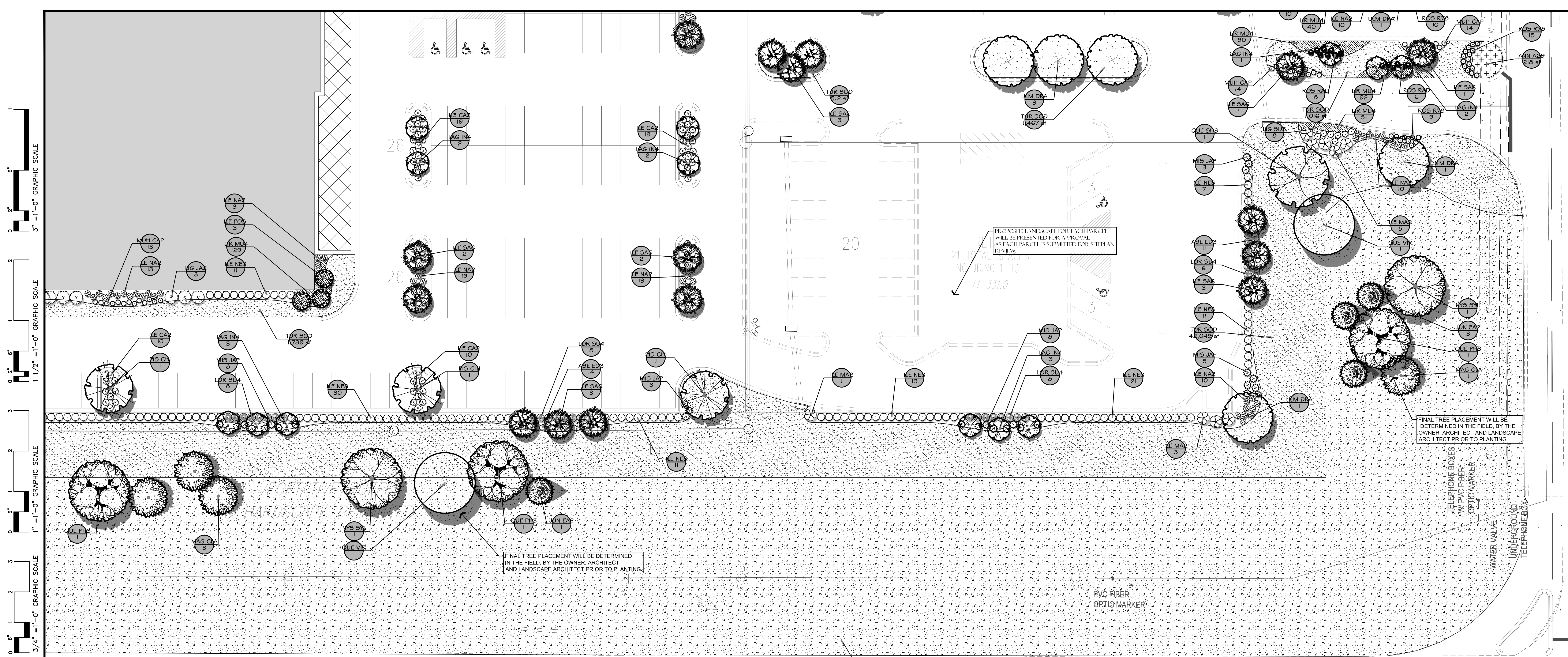
Project No: 16033 Revisions:
 Date: JULY 31, 2020
 Drawn: TR
 Checked: TR

THE VILLAGE AT MANNSDALE
 A Development of The Oaks Group
 Johnson Landscape

Dean and Dean/Associates
 architects
 a professional association
 DEAN • GEDDIE • GRANT • OUBRE

TRENT RHODES,
 LANDSCAPE ARCHITECT
 P.A.
 P.O. Box 4685 Jackson, MS 39211
 601.939.7717

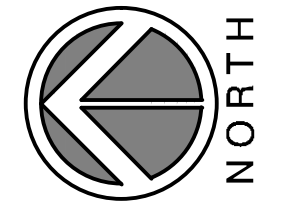
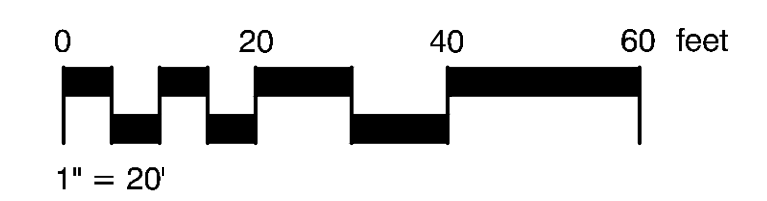
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 www.deandean.com



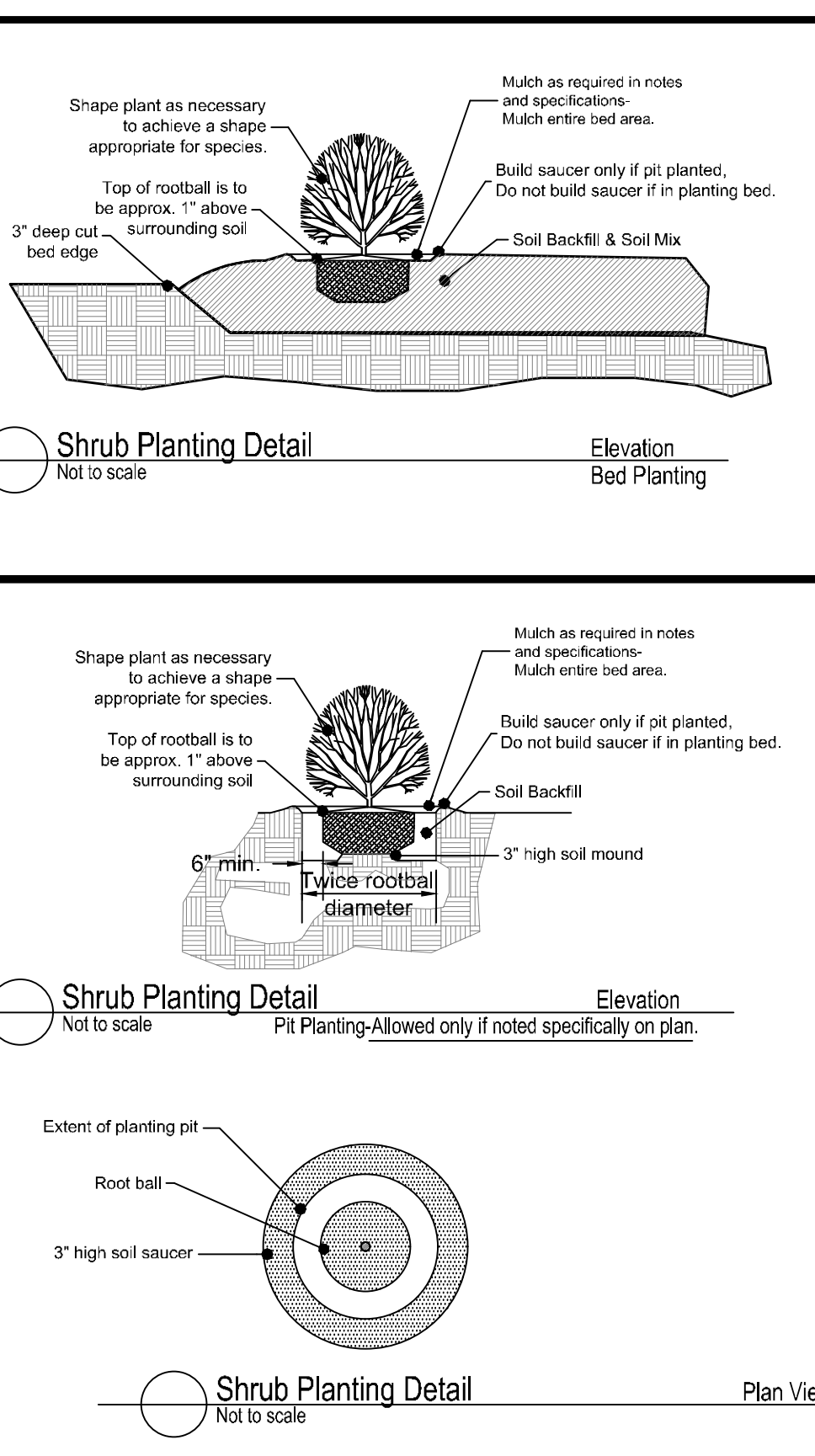
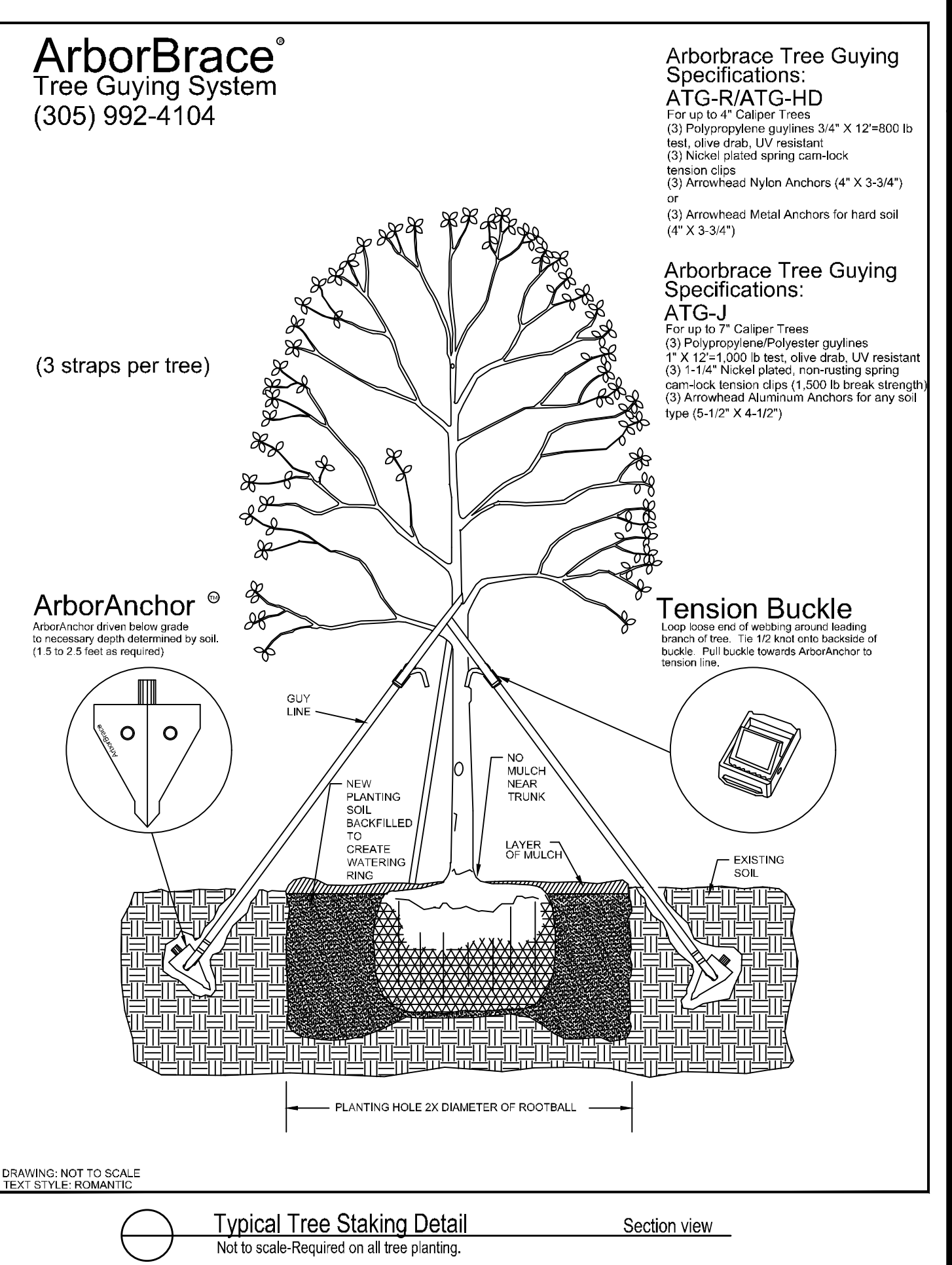
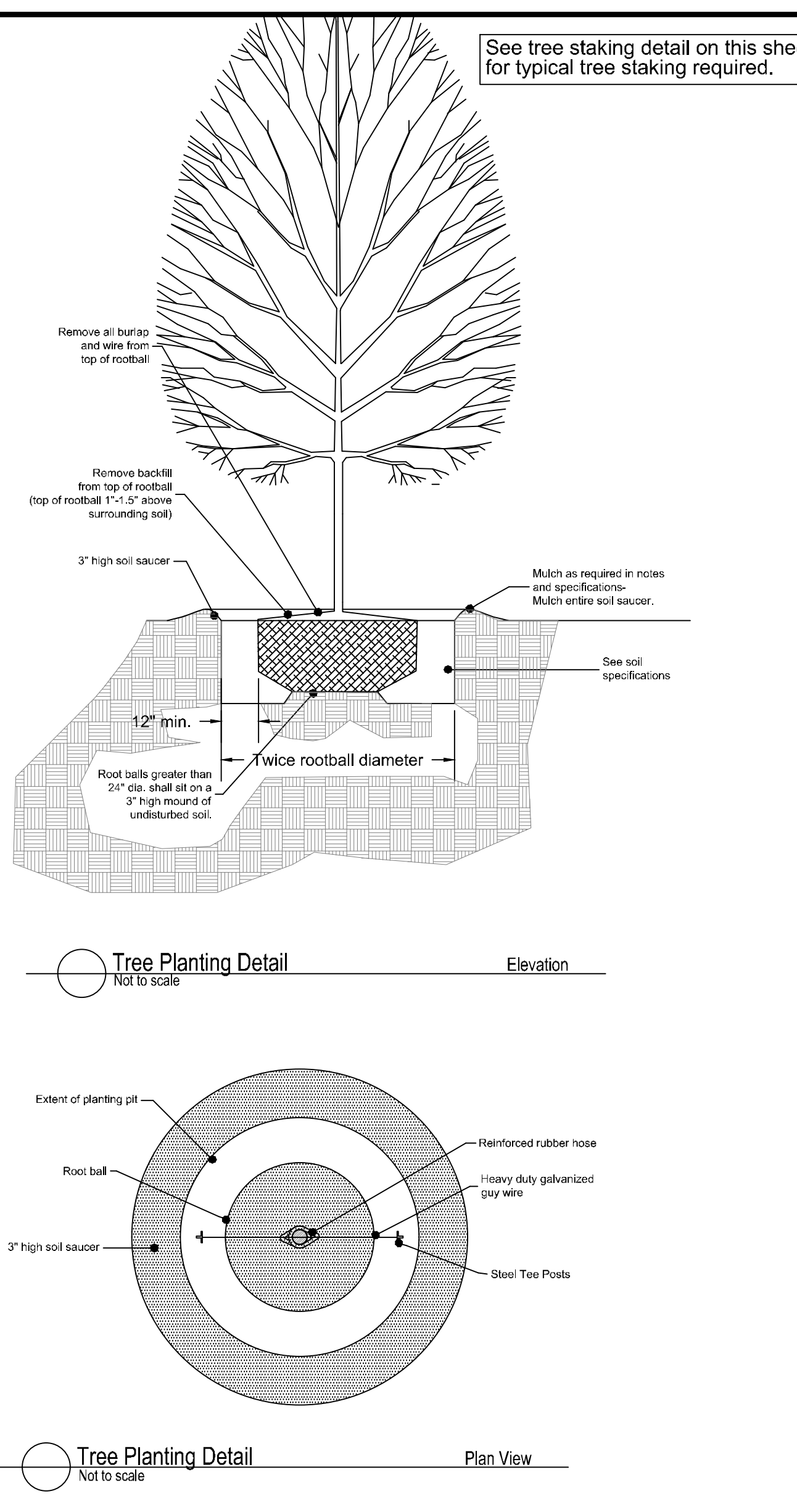
MISSISSIPPI HIGHWAY 463 (100' R.O.W.)

PLANT SCHEDULE			
TREES	CODE	COMMON NAME	BOTANICAL NAME
	CUP ARI	Leyland Cypress	Cupressus X lelandii
	CUP CAR	Carolina Sapphire Cypress	Cupressus arizonica 'Carolina Sapphire'
	ILE SA6	Eagleston Holly	Ilex x 'Eagleston'
	ILE FOS	Foster's Holly	Ilex x attenuata 'Foster'
	JUN EA2	Eastern Red Cedar	Juniperus virginiana
	LAG IN4	Natchez White Crape Myrtle	Lagerstroemia indica 'Natchez White'
	MAG CLA	Claudia W. Magnolia	Magnolia grandiflora 'Claudia Wannamaker'
SHRUBS	CODE	COMMON NAME	BOTANICAL NAME
	ABE E03	Rose Creek Abelia	Abelia x grandiflora 'Rose Creek'
	ILE CA2	Carissa Holly	Ilex cornuta 'Carissa'
	ILE NE3	Needlepoint Holly	Ilex cornuta 'Needlepoint'
GROUND COVERS	CODE	COMMON NAME	BOTANICAL NAME
	ANN A29	Annual Color	Annual Color
	CYN DA3	Bermuda Grass-Seed	Cynodon dactylon
	TUR SOD	Tifway 419 Bermuda	Cynodon dactylon 'Tifway 419'
	LIR MU4	Bigblue Liriope	Liriope muscari 'Bigblue'

1 PLANTING PLAN



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MATERIALS

A. Plant Materials

- All plant materials delivered to the site must conform to the specifications of Federal, State and County laws, requiring inspection for plant diseases and insect infestations. Plants must comply to American Nursery Stock Standards.
 - Plants delivered to the site shall be adequately protected from the sun and wind during delivery and when stockpiled on the site prior to planting. They shall be watered adequately. Containers shall be free of weeds.
 - The Owner's Representative shall be notified in writing one week prior to planting to inspect all or major portions of the plant materials to be used in the project.
 - The Owner's Representative shall have the right to reject plants prior to and during progress of work for size, conditions of top structure, condition of root structure, defects or injuries, or nonconformity to Specifications.
- B. Fertilizer**
- Plants shall be fertilized at planting with timed release fertilizer.

FINE GRADING AND SOIL PREPARATION

- Spread and till in topsoil as needed to bring planting beds to required grade.
- Planting beds are to be mounded 8" min above existing grade after settlement to ensure a good planting medium and enhance drainage. Maintain drainage patterns and drainage swales. Always maintain drainage away from buildings or structures.
- Soil mix to be a sandy well drained organic mix free from debris, stones, and seeds.
- Soil shall be free of extraneous matter and weeds and shall consist of (3) parts topsoil, one (1) part organic matter (peat and soil conditioner) and one (1) part sand by volume. See item #2 of this section for depth requirement.
- All sand for plant beds and plant pits shall be clean, sharp masonry sand free from deleterious matter.
- Pre-emerge herbicide: For planting soil in planting beds and shrub and tree pits shall be incorporated prior to installation of plant material. Contractor shall use Surflan, unless otherwise approved by Landscape Architect. Treat all bed areas except annual and perennial areas with Surflan pre-emergent herbicide according to the manufacturer's recommendations. Deliver in sealed manufacturer's container and apply according to manufacturer's recommendations. Submit product data to Architect for approval of any changes prior to application.
- Root Stimulator: Shall be applied to all plant material at time of installation. Submit product data to Architect for approval prior to application.
- Fertilizer: For flowering species, apply 14-26-6 per label instructions upon initiation of vegetative growth in spring. For non-flowering species, apply 20-6-12 per label instructions at new growth in spring and again in July. Winterize in late-August with 5-10-31 fertilizer at 4 lbs per 1,000 square feet.
- Seed areas should be tilled and fine graded. A generous application of wheat straw shall be applied after seed broadcast on all seed areas. Seed and straw shall be crimped on slopes greater than 3:1.

PLANTING AND MULCHING

- (A). Planting shall take place only after all soil preparation has taken place and has been approved by Landscape Architect.**
- (B). Installation of container stock-**
- Planting holes or pits should be approximately twice the volume of the plant and soil in container or root ball. They should be angular with roughened sides and loose soil on the bottom.
 - Prune any damaged, broken or dead roots so that ends are clean before planting. Prune back top growth as need to balance size of plant related to root mass.
 - Large stock should be set on a layer of several inches of topsoil with loosened soil beneath, stock from "Containers" and flats shall be set in planting bed areas that have soil mix incorporated to a minimum depth of 10". Plants are to be placed so that the root crown will not be below the soil surface or greatly elevated when filling is completed. Top of shrub root ball should be approx. 1"-1.5" above surrounding soil, and top of tree root ball should be approximately 1.5"-2" above surrounding soil.
 - A 3" high soil saucer should be prepared around the planting hole to retain water and is to be removed after 1 year.
- Tamp soil occasionally while backfilling with soil which is well broken up and well mixed.
- Tamp lightly around the outside of backfill, holding plant at correct level, then tamp closer to plant. Water thoroughly. Large specimens will require watering midway through the backfill process as well as when backfill is completed.
 - Water the entire planted area before leaving the worksite and at the close of each planting day.
 - Trees and shrubs taller than four feet may require staking. If required, drive stakes securely into ground, outside of root area. Stakes should extend to just below the lower limbs of the tree. Wire run through rubber hose is placed around the tree, then wrapped around the stake and secured firmly. Tree should be able to move a few inches, but wire should be secure and not touch the tree directly. Stakes must be removed after one year.
 - Burlap on balled and burlap plant material shall be cut from the top of the root ball or turned down into the planting pit, leaving not burlap visible.
- Any containing material left in the planting bed shall be biodegradable.

All shrub and groundcover planting shall be in uniformly tilled beds to a depth of 12" below grade with existing soil and sandy soil mix. Beds should be mounded a minimum of 6" above existing grade. **Seed & straw (wheat straw) all disturbed or bare areas not scheduled to receive pavement or other landscaping.**

Mulch as noted in plant list.

At no time should the planting beds adjacent to any structure be higher than the finished floor of that structure. Always maintain positive water flow away from structures.

Finished planting beds and mulch adjacent to structures shall always be below the finished floor elevation. Apply soil mix to all planting areas at a minimum rate of 1.5 cubic yard per 100 square feet and till with existing soil.

The landscape contractor shall provide a full one year warranty on all plant material and labor beginning on date of final acceptance. Once notified during the warranty period of plant material that need to be replaced, the landscape contractor shall replace that material within 14 calendar days of notification.

*All sod shall be soaked and rolled with water filled roller after laying to ensure smooth surface and good ground contact. All seed areas shall have significant germination within 21 days. If 95% germination is not evident, then the area shall be reseeded at no additional cost to the owner until significant germination is achieved.

Planting Soil at the perimeter of any building shall be a minimum of 5" below finished floor elevation.

Planting beds & grades adjacent to buildings shall be sloped away from the building to allow rapid removal of surface water and shall not allow water to stand, pond or move slowly, resulting in percolation into the subgrade.

Irrigation water should be limited to only that water that is required for plant survival. Any excess water application shall be avoided.

All seed/sod areas are to receive a 3" thick layer of well drained organic topsoil prior to applying seed or sod.

All plant material and labor shall be covered by a full one year warranty weather the plant material is under irrigation or not.

Caliper and height requirements are minimums. All plant material shall be required to meet both height and caliper requirements.

It shall be the contractor's responsibility to determine if planting areas may hold water in the bottom of planting pits. A 6" deep layer of washed gravel shall be included in the contractor's pricing. The project general contractor is to backfill behind curbs with well drained topsoil prior to the landscape contractor incorporating bed preparation. All areas behind curbs shall be mounded to drain water over the top of adjacent curb. (typ)

***All plant material must meet both minimum height and caliper requirements.

Plant material noted as Cont. shall be container grown and of the size specified. (See below for time of planting material noted as Cont/B&B) B&B material shall be used if planting occurs between October and April. Container material shall be used if planting occurs between May through September.

NO PLANTING, PLANTING SOIL, OR MULCH SHALL IMPEDE WATER FLOW AWAY FROM BUILDING AND TOWARD DRAINAGE STRUCTURES.

*TREE CALIPERS SHALL BE MEASURED 6" ABOVE GRADE.

THE LANDSCAPE CONTRACTOR MUST NOTIFY OWNER PRIOR TO BEGINNING BED PREPARATION SO THE OWNERS REPRESENTATIVE CAN REVIEW AMENDMENTS IN PLACE PRIOR TO MULCH OR PLANT INSTALLATION. NO PLANT MATERIAL, INSTALLATION OR MULCH SHALL BE INSTALLED UNTIL THE OWNERS REPRESENTATIVE HAS INSPECTED THE BED PREPARATIONS IN ALL BED PLANTING AREAS.

NOTE: TREE CALIPER AND HEIGHTS ARE MINIMUM SIZES REQUIRED. ALL TREES MUST MEET BOTH MINIMUM CALIPER AND MINIMUM HEIGHT REQUIREMENTS.

A 48" minimum diameter x 4" thick pinestraw ring shall be provided and installed around all tree plantings. All bed planting areas shall receive a 4" thick layer of fresh pinestraw mulch that is free of trash, sticks, or debris. Sod and seed quantities are only approximate. The contractor shall verify the exact sod area onsite prior to submitting pricing.

The landscape contractor shall be responsible for setting the irrigation controller after installation to deliver the appropriate amount of water for the plant material onsite.

TREES	COMMON NAME	BOTANICAL NAME	SIZE	MIN. CALIPER	MIN. HT.	QTY	DETAIL	REMARKS
CUP ARI	Leyland Cypress	Cupressus X Ietlandii	B&B/Cont		6'-8'	12		Full healthy well formed plant. Full to ground, Pyramidal growth habit.
CUP CAR	Carolina Sapphire Cypress	Cupressus arizonica 'Carolina Sapphire'	B&B/Cont		6'-8'	15		Full healthy well formed plant. Pyramidal growth habit. Full to ground.
ILE SA6	Eagleston Holly	Ilex x 'Eagleston'	B&B/Cont	2" Cal	10'-12'	37		Full healthy well formed plant, single trunk street tree specimen, tree form.
ILE FOS	Foster's Holly	Ilex x attenuata 'Foster'	B&B/Cont	1.5" Cal	8'-10'	11		Full healthy well formed plant, straight trunk, tree form, Specimen Quality.
JUN EA2	Eastern Red Cedar	Juniperus virginiana	B&B/Cont		6'-8'	13		Full healthy well formed plant, full to ground, pyramidal growth habit.
LAG IN4	Natchez White Crane Myrtle	Lagerstroemia indica 'Natchez White'	B&B/Cont		8'-10' min ht	30		Multitrunk, 3-5 trunks, tree form, Min. canopy spread-4', Specimen quality.
MAG CLA	Claudia W. Magnolia	Magnolia grandiflora 'Claudia Wannamaker'	B&B/Cont		10' Ht. Min.	7		Full to ground, pyramidal growth habit, full healthy well formed plant.
NYS SYL	Black Gum	Nyssa sylvatica	B&B/Cont	2" Cal	10'-12'	9		Straight trunk, street tree specimen, full canopy.
PIS CHI	Chinese Pistache	Pistacia chinensis	B&B/Cont	1.5" Cal	8'-10'	5		Street Tree Specimen, Straight Trunk, Full Canopy
QUE PH3	Willow Oak	Quercus phellos	B&B/Cont	2" Cal	10'-12'	11		Street Tree Specimen, Straight Trunk, Full Canopy.
QUE SH3	Shumard Red Oak	Quercus shumardii	B&B/Cont	2" Cal	10'-12'	14		Street Tree Specimen, Straight Trunk, Full Canopy.
QUE VIR	Southern Live Oak	Quercus virginiana	B&B/Cont	2" Cal	10'-12'	4		Street Tree Specimen, Straight Trunk, Full Canopy.
ULM DRA	Drake Elm	Ulmus parviflora 'Drake'	B&B/Cont	2" Cal	10'-12'	13		Street Tree Specimen, Straight Trunk, Full Canopy.
SHRUBS	COMMON NAME	BOTANICAL NAME	SIZE	CONTAINER		QTY	DETAIL	REMARKS
ABE ED3	Rose Creek Abelia	Abelia x grandiflora 'Rose Creek'	3 gal			41		Full healthy, well formed plant.
ILE CA2	Carissa Holly	Ilex cornuta 'Carissa'	3 gal			125		Full healthy, well formed plant.
ILE NE3	Needlepoint Holly	Ilex cornuta 'Needlepoint'	3 gal			256		Full healthy, well formed plant. Minimum height at time of planting-18"
ILE NA2	Dwarf Yaupon	Ilex vomitoria 'Nana'	3 gal			220		Full healthy, well formed plant.
ILE MA2	Mary Nell Holly	Ilex x 'Mary Nell'	B&B/Cont			38		5'-6" tall min. Full healthy Well formed plant, full to ground, pyramidal growth habit.
LIG JA2	Japanese Ligustrum	Ligustrum japonicum	15 gal			12		Full healthy plant, Tree form.
LIG SU5	Sunshine Ligustrum	Ligustrum sinense 'Sunshine'	3 gal.			56		Full healthy well formed plant.
LOR SJ4	Suzanne Loropetalum	Loropetalum chinense rubrum 'Suzanne'	3 gal			54		Full healthy well formed plant.
MIS JAP	Adagio Miscanthus	Miscanthus sinensis 'Adagio'	3 gal			55		Full healthy well formed plant.
MUH CAP	Pink Muhly	Muhlenbergia capillaris	3 gal			49		Full healthy well formed plant
ROS R78	Drift Rose	Rosa x	3 gal			72		Full healthy, Well formed plant. Color to be determined at time of planting.
ROS RAD	Knockout Rose	Rosa x 'Knockout' TM	3 gal			14		Full healthy, Well formed plant.
GROUND COVERS	COMMON NAME	BOTANICAL NAME	SIZE	CONTAINER	SPACING	QTY	DETAIL	REMARKS
ANN A29	Annual Color		1 gal			218 sf		Full healthy, Well formed plant, specific variety to be chosen at the time of planting.
CYN DA3	Bermuda Grass-Seed	Cynodon dactylon	seed			146,917 sf		Apply at suppliers recommended rate for new construction. Cover with a generous layer of wheat straw.
TUR SOD	Tifway 419 Bermuda	Cynodon dactylon 'Tifway 419'	sod			76,439 sf		Healthy disease free sod with a min 1" soil base beneath.
LIR MU4	Bigblue Liriope	Liriope muscari 'Bigblue'	1 gal		16" o.c.	1,144		Full healthy well formed plant.

LV9

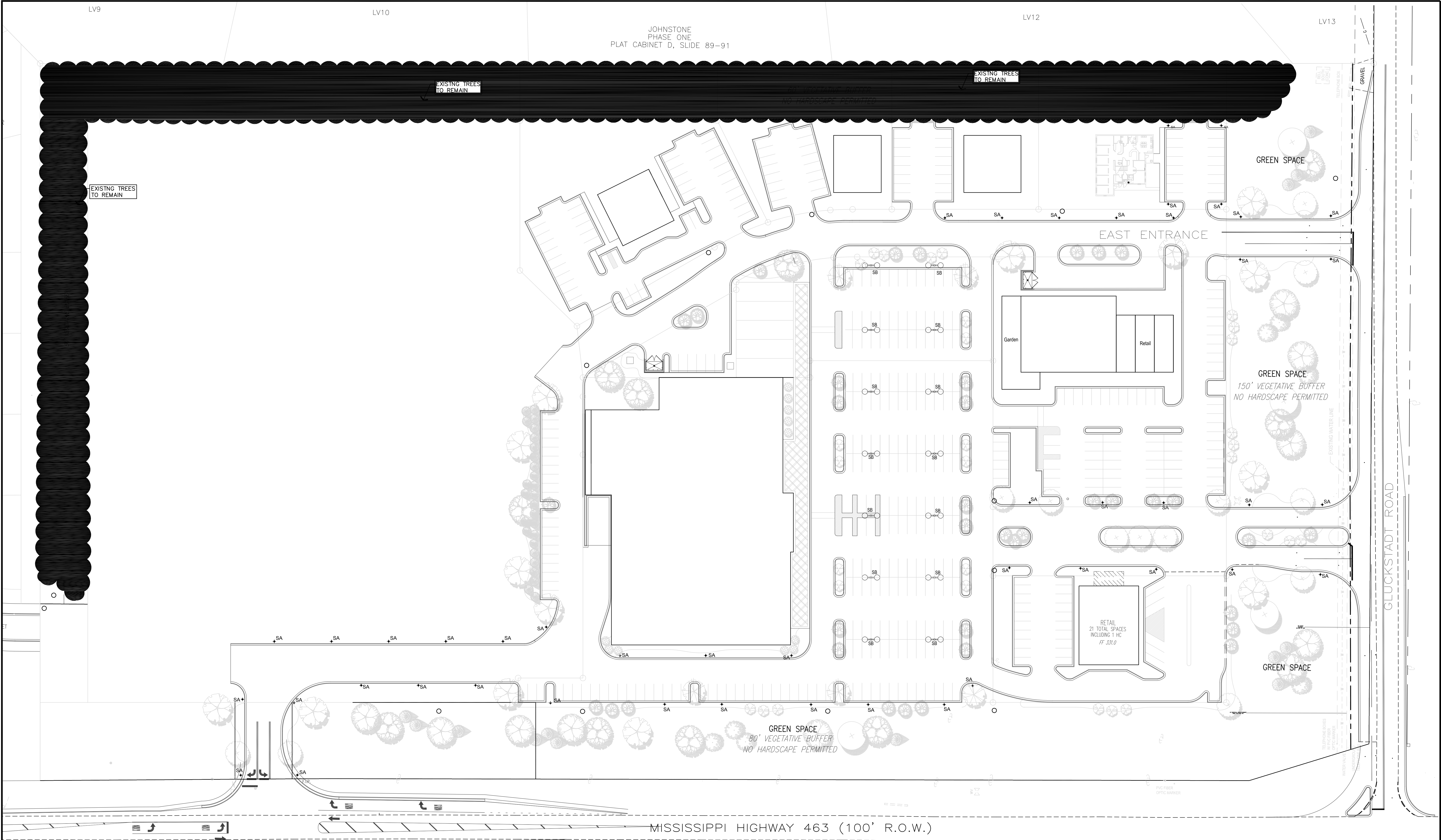
LV10

JOHNSTONE
PHASE ONE
PLAT CABINET D, SLIDE 89-91

LV12

LV13

3" = 1'-0" GRAPHIC SCALE
1 1/2" = 1'-0" GRAPHIC SCALE
1" = 1'-0" GRAPHIC SCALE
3/4" = 1'-0" GRAPHIC SCALE
1/2" = 1'-0" GRAPHIC SCALE
1/4" = 1'-0" GRAPHIC SCALE
1/8" = 1'-0" GRAPHIC SCALE



LUMINAIRE SCHEDULE								
TYPE MARK	LAMP	WATTAGE	LAMP COLOR TEMP.	VOLT	DESCRIPTION	COMMENTS / OPTIONS	MANUFACTURER	MODEL
SA	LED 9,565 LM	98 W	4000 K	208	POST TOP MOUNT, TYPE 3 DISTRIBUTION, 630mA DRIVER, ACORN GLASS GLOBE WITH FINIAL, 5P FITTER, SINGLE HEAD, BLACK FINISH. POLE: BIRMINGHAM SERIES, STRAIGHT FLUTED SHAFT, BLACK FINISH.	OVERALL FIXTURE HEIGHT = 17' A.F.G. PROVIDE 14' POLE	STERNBERG LIGHTING	PT-G74SRLED-5P-4L40T3-MDL06-G7714FPS/BKT
SB	LED 20,950 LM	196 W	4000 K	208	TWIN ARM MOUNT POST, TYPE 5 DISTRIBUTION, 630mA DRIVER, ACORN GLASS GLOBES WITH FINIAL, 5P FITTER, TWIN HEAD, BLACK FINISH. POLE: BIRMINGHAM SERIES, STRAIGHT FLUTED SHAFT, BLACK FINISH.	OVERALL FIXTURE HEIGHT = 17' A.F.G. PROVIDE 14' POLE	STERNBERG LIGHTING	2A-G74SRLED-5T-4L40T5-MDL06-G1807714FPS/BKT

1 SITE LIGHTING PLAN
ES100 SCALE: 1" = 40'-0"



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LV9

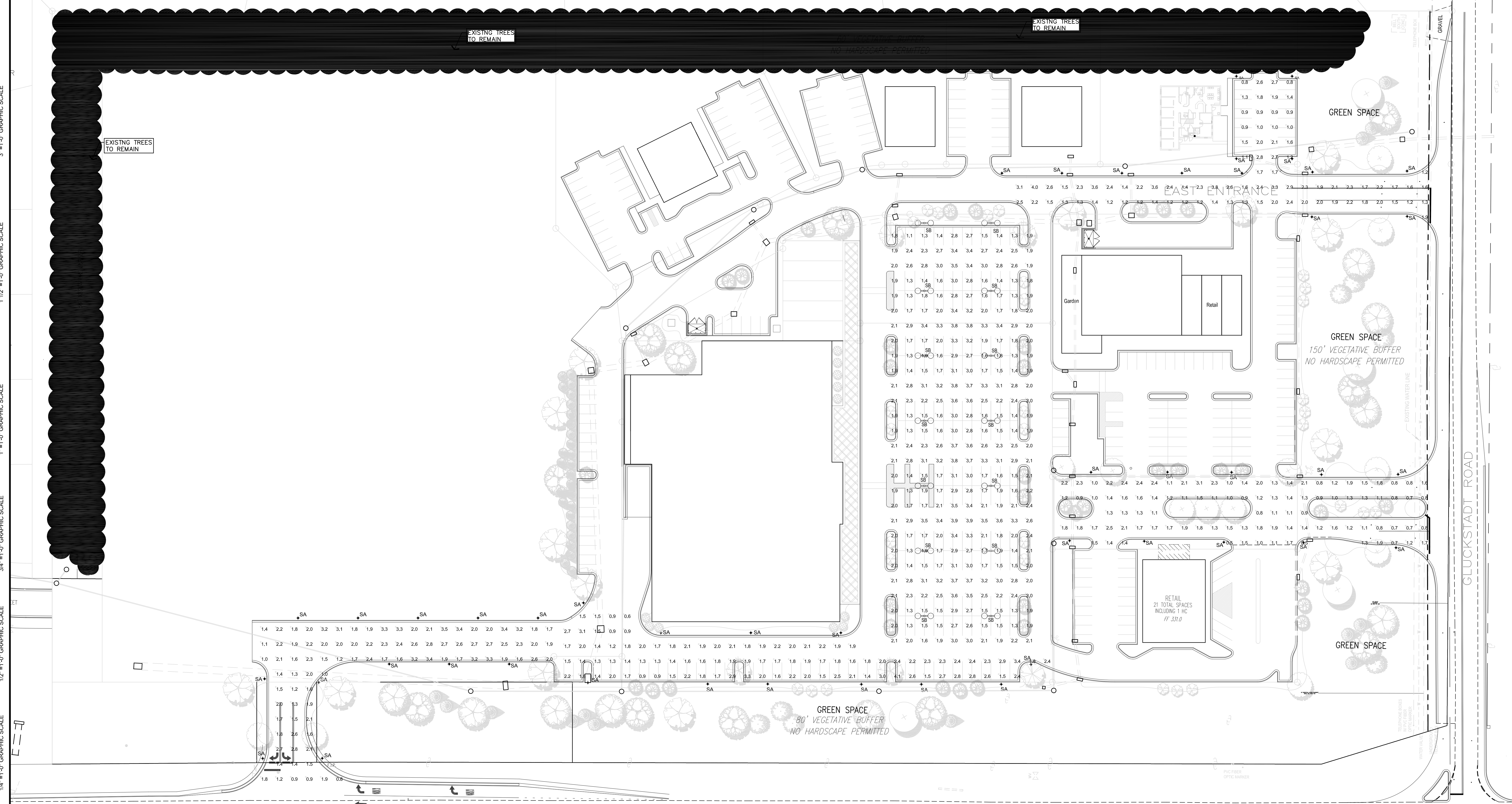
LV10

JOHNSTONE
PHASE ONE
PLAT CABINET D, SLIDE 89-91

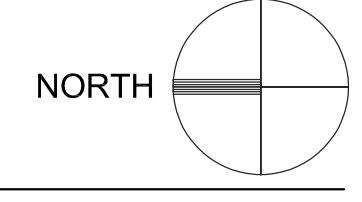
LV12

LV13

- 1/8" = 1'-0" GRAPHIC SCALE
- 1/4" = 1'-0" GRAPHIC SCALE
- 3/8" = 1'-0" GRAPHIC SCALE
- 1/2" = 1'-0" GRAPHIC SCALE
- 3/4" = 1'-0" GRAPHIC SCALE
- 1" = 1'-0" GRAPHIC SCALE
- 1 1/2" = 1'-0" GRAPHIC SCALE
- 2" = 1'-0" GRAPHIC SCALE
- 3" = 1'-0" GRAPHIC SCALE
- 4" = 1'-0" GRAPHIC SCALE
- 6" = 1'-0" GRAPHIC SCALE
- 8" = 1'-0" GRAPHIC SCALE
- 16" = 1'-0" GRAPHIC SCALE



1 SITE LIGHTING CALCULATIONS
ES101 SCALE: 1" = 40'-0"



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Project Number :
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DeanandDean/Associates
 architects a professional association
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 www.deandean.com

THE VILLAGE AT MANNSDALE
 A Development of The Cross Group
 Madison, Mississippi

Project No: 16033
 Date: JULY 31, 2020
 Drawn: MBC/TGS
 Checked: MBC

Revisions:

Sheet Number :
 ES101
 of Sheets



G74LED HOMETOWN SERIES

LED

EPA
1.41 (ft²)
WEIGHT
35 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
10,475 to
4,065

LIFE SPAN
L70
MINIMUM
100,000
HOURS

UL LISTED

CLICK
FOR FAQ'S

JOB NAME _____

FIXTURE TYPE _____

MEMO _____

BUILD A PART NUMBER

ORDERING EXAMPLE: **2A-G74LED-5P-4L40T3-MDL05-G-PEC-FHD/480PM/4212FP4/FCC/BKT**

Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Fuse	Option Decorative Ring	Option GFI	Option Terminal Block	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish

Mounting Configuration

(Click here to view mounting configuration sheet)

- 1W
- 2A
- 3A90
- 1AM
- PT
- 2A90
- 3APT
- 2AM
- 1A
- 2APT
- 4A
- 450PB
- 1APT
- 3A
- 4APT

W = Wall Mount PT = Post Top A = Arm Mount AM = Arm Mid-Mount PB = Pier Base

Fixture

- G74LED
- G74SRLED

Fitter

- 5P¹
- 991¹
- 995¹
- OL3
- 73
- 992¹
- BD4
- OL4
- 74
- 993¹
- BD5
- 588
- 990¹
- 994¹
- BD7
- C2097^{1,2}

¹ Add "T" after fitter designation for optional "twist-lock" fitter.
² Consult factory for use on concrete poles.

LED

- 4L

CCT - Color Temperature (K)

- 27(00)
- 30(00)
- 40(00)
- 50(00)

Type

- T3
- T5

Driver

- MDL02 (120v-277v, 250mA)
- MDL03 (120v-277v, 350mA)
- MDL05 (120v-277v, 525mA)
- MDL06 (120v-277v, 630mA)
- MDH02 (347v-480v, 250mA)
- MDH03 (347v-480v, 350mA)
- MDH05 (347v-480v, 525mA)
- MDH06 (347v-480v, 630mA)

Lens

- G (Glass Lens)

Options (Click here to view accessories sheet)

- R³ 3-Pin control receptacle only
- R⁵ 5-Pin control receptacle only
- R⁷ 7-Pin control receptacle only
- PE⁴ Twist-Lock Photocontrol (120v-277v)
- PE³ Twist-Lock Photocontrol (347v)

- PE⁴ Twist-Lock Photocontrol (480v)
- SC⁴ Shorting Cap
- PEC Electronic Button Photocontrol (120v-277v)
- PEC⁴ Electronic Button Photocontrol (480v)
- FHD⁵ Dual Fuse & Holder
- PBDR⁶ Perforated Brass Decorative Ring
- GFI³ GFI-Duplex 15 amp for 990 Fitter
- TB³ Terminal Block

³ For 900 series utility fitter only.
⁴ Requires control receptacle.
⁵ Ships loose for installation in base.
⁶ Standard is polished, for painted ring specify PBDR-P.

Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- 50
- 478
- 80
- 55
- 579
- TASC
- 78
- 70
- 480
- 6236
- TA
- BA

Pole (Click here to link to pole specification page)

See Pole specification sheets.

Finish (Click here to view paint finish sheet)

Standard Finishes⁷

- BKT Black Textured
- WHT White Textured
- PGT Park Green Textured
- ABZT Architectural Medium Bronze Textured
- DBT Dark Bronze Textured

⁷ Smooth finishes are available upon request.

Custom Finishes⁸

- CM Custom Match
- OI Old Iron
- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
- TT Two Tone

⁸ Custom colors require upcharge.

Sternberg Select Finishes

- VG Verde Green
- SI Swedish Iron
- OWGT Old World Gray Textured

Specifications

Fixture

The G74LED Hometown series is a nostalgic 1920's glass acorn fixture with distinct styling which consists of a decorative cast aluminum fitter and a high efficiency prismatic glass acorn. The Luminaire shall be UL listed in US and Canada.

Fitter - Standard

The fitter shall be heavy wall cast aluminum, 356 alloy for high tensile strength. It shall have an 9-3/8" inside diameter opening to attach to the 9" neck of the acorn globe. When ordered with a Sternberg aluminum pole, the fitter shall be welded to the pole top or tenon for safety and to ensure the fixture will be plumb, secure and level over the life of the installation. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly.

900 Series Utility Fitter Option

The fitter shall be heavy wall cast aluminum, 360 die cast alloy for high tensile strength. It shall have a 9- 1/4" inside diameter opening to attach to the 9" neck of the acorn globe. It shall have a hinged, tool-less entry door that provides open access to all of the components. The 990 shall have an optional terminal block for ease of wiring, an optional Twist-Lock Photocell receptacle, an optional single GFCI outlet for auxiliary power needs. The top mounted driver mounting plate shall be cast aluminum and provide tool-less removal from the housing using 2 finger latches. When ordered with a Sternberg aluminum pole, the fitter shall be set screwed to the pole top or tenon. The fitter shall have a one-piece ring bug gasket to resist insect penetration into lamp assembly. When supplied with GFI receptacle a hole will be provided for cord and plug installation with the access door closed. When cord and plug is not in use a filler plug will be provided and shall be tethered to the fitter for easy recovery and installation.

See next page

Twist-Lock Fitter (Optional)

The TL (Twist-Lock) fitter shall have an aluminum die-cast twist-lock mechanism. The tool-less 1/4 turn action allows for easy globe removal and replacement. A die-cast ring assembly is mechanically attached to the globe and is removable if the globe is broken or replaced.

LED's

The luminaire shall use high output, high brightness LED's. The LED's and printed circuit boards shall be 100% recyclable, they shall also be protected from moisture and corrosion by a conformal coating of 1 to 3 mils. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4000K (2700K, 3000K or 5000K option) color temperature with a minimum of 70 CRI. Consult factory for custom color CCT. The luminaire shall have a minimum _____ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

Optics

The luminaire shall be provided with individual, glass, refractor type optics from external prismatic acorn. Testing shall be done in accordance with IESNA LM-79.

Electronic Drivers

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload as well as short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be dimmable using a 0-10v signal.

For sources over 50w: The driver shall have a minimum efficiency of 90%. The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90. The driver shall contain over-heat protection.

For sources under 50w: The driver shall have a minimum efficiency of 88%.

Photocontrols

Button Style: On a single assembly the photocontrol shall be mounted on the fixture and pre-wired to driver. On multiple head assembly's the photocontrol shall be mounted in the pole shaft on an access plate. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Twist-Lock Style: The photocontrol shall be mounted in the utility fitter and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

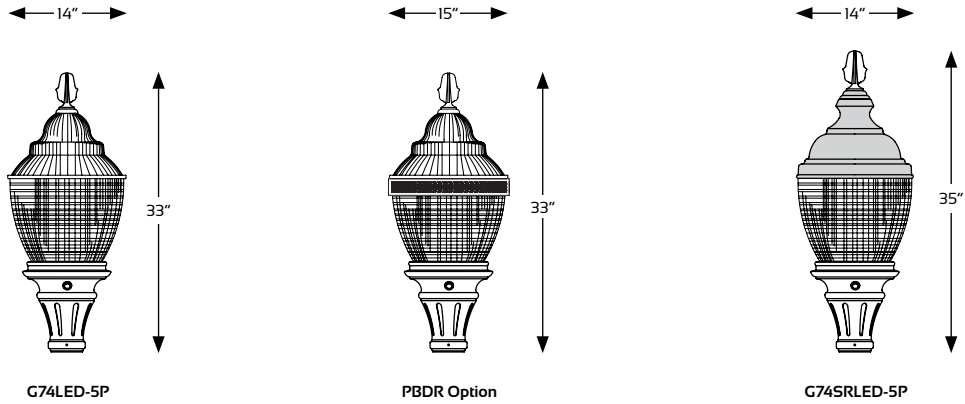
Finish

Refer to website for details.

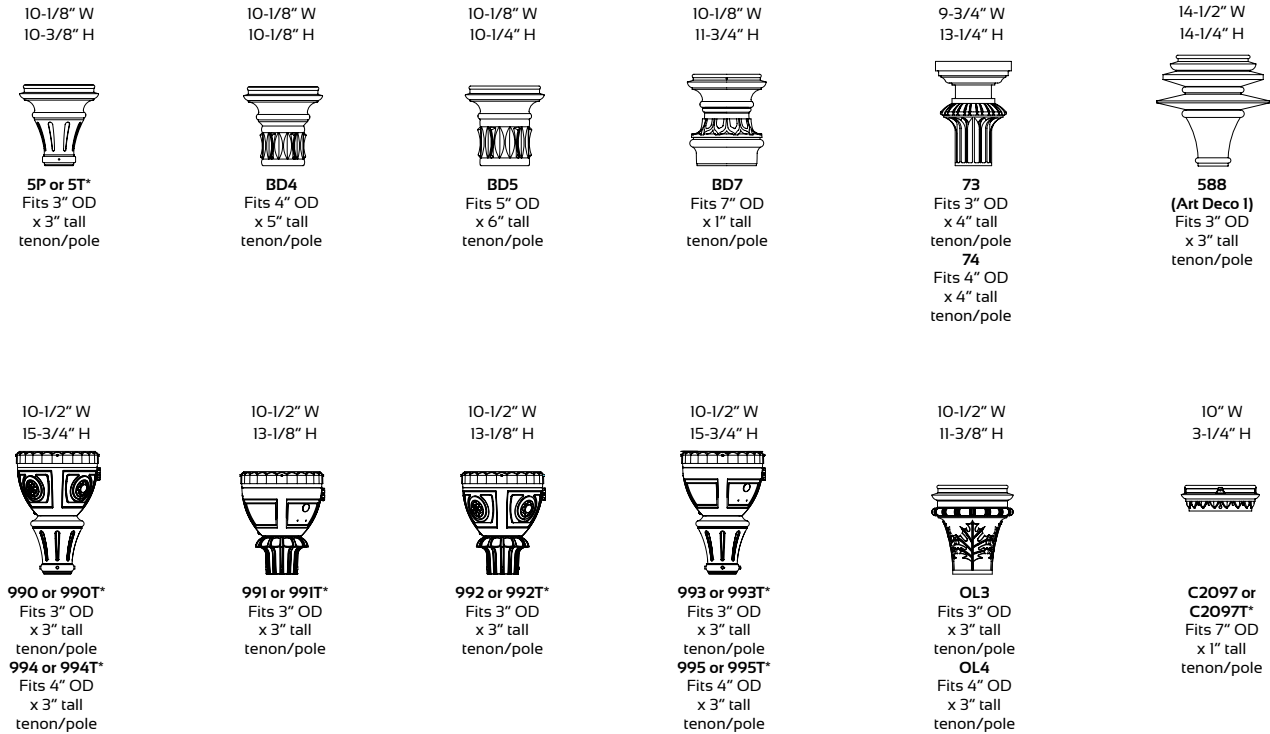
Performance

LIGHT SOURCE	T3 INITIAL LUMENS	EFFICACY (LPW)	T5 INITIAL LUMENS	EFFICACY (LPW)	WATTAGE
4L27T_-MDL06	8380	85.5	9180	93.7	98
4L30T_-MDL06	9260	94.5	10140	103.5	98
4L40T_-MDL06	9565	97.6	10475	106.9	98
4L27T_-MDL05	6950	92.7	7605	101.4	75
4L30T_-MDL05	7675	102.4	8400	112.0	75
4L40T_-MDL05	7930	105.8	8675	115.7	75
4L27T_-MDL03	5475	99.6	5950	108.2	55
4L30T_-MDL03	6050	110.0	6570	119.5	55
4L40T_-MDL03	6250	113.7	6790	123.5	55
4L27T_-MDL02	4065	101.7	4400	110.0	40
4L30T_-MDL02	4490	112.3	4860	121.5	40
4L40T_-MDL02	4640	116.0	5020	125.6	40

Fixtures



Fitters



*Twist Lock Acorn (Fitter TL)



G74LED HOMETOWN SERIES

LED

EPA
1.41 (ft²)
WEIGHT
35 LBS

7 YEAR
WARRANTY

LUMEN
RANGE
10,475 to
4,065

LIFE SPAN
L70
MINIMUM
100,000
HOURS

UL
LISTED

CLICK
FOR FAQ'S

JOB NAME _____

FIXTURE TYPE _____

MEMO _____

BUILD A PART NUMBER

ORDERING EXAMPLE: **2A-G74LED-5P-4L40T3-MDL05-G-PEC-FHD/480PM/4212FP4/FCC/BKT**

Mounting Config.	Fixture	Fitter	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Fuse	Option Decorative Ring	Option GFI	Option Terminal Block	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish

Mounting Configuration

(Click here to view mounting configuration sheet)

- IW • **2A** • 3A90 • 1AM
- PT • 2A90 • 3APT • 2AM
- 1A • 2APT • 4A • 450PB
- 1APT • 3A • 4APT

W = Wall Mount PT = Post Top A = Arm Mount AM = Arm Mid-Mount PB = Pier Base

Fixture

- G74LED • **G74SRLED**

Fitter

- **5P**¹ • 99¹ • 99⁵ • OL3
- 73 • 99² • BD4 • OL4
- 74 • 99³ • BD5 • 588
- 99⁰ • 99⁴ • BD7 • C2097¹²

¹ Add "T" after fitter designation for optional "twist-lock" fitter.
² Consult factory for use on concrete poles.

LED

- **4L**

CCT - Color Temperature (K)

- 27(00) • 30(00) • **40(00)** • 50(00)

Type

- T3 • **T5**

Driver

- MDL02 (120v-277v, 250mA)
- MDL03 (120v-277v, 350mA)
- MDL05 (120v-277v, 525mA)
- **MDL06 (120v-277v, 630mA)**
- MDH02 (347v-480v, 250mA)
- MDH03 (347v-480v, 350mA)
- MDH05 (347v-480v, 525mA)
- MDH06 (347v-480v, 630mA)

Lens

- **G (Glass Lens)**

Options (Click here to view accessories sheet)

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⁵ Ships loose for installation in base.
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Arm (Click here to link to arm specification page)

See Arms & Wall Brackets specification sheets.

- 50 • 478 • **80** • 55 • 579 • TASC
- 78 • 70 • 480 • 6236 • TA • BA

Pole (Click here to link to pole specification page)

See Pole specification sheets.

Finish (Click here to view paint finish sheet)

Standard Finishes⁷

- **BKT Black Textured**
- WH^T White Textured
- PGT Park Green Textured
- ABZ^T Architectural Medium Bronze Textured
- DB^T Dark Bronze Textured

⁷ Smooth finishes are available upon request.

Custom Finishes⁸

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- RT Rust
- WBR Weathered Brown
- CD Cedar
- WBK Weathered Black
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Sternberg Select Finishes

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900 Series Utility Fitter Option

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See next page

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LED's

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Optics

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For sources over 50w: The driver shall have a minimum efficiency of 90%. The driver shall be rated at full load with THD<20% and a power factor of greater than 0.90. The driver shall contain over-heat protection.

For sources under 50w: The driver shall have a minimum efficiency of 88%.

Photocontrols

Button Style: On a single assembly the photocontrol shall be mounted on the fixture and pre-wired to driver. On multiple head assembly's the photocontrol shall be mounted in the pole shaft on an access plate. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Twist-Lock Style: The photocontrol shall be mounted in the utility fitter and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

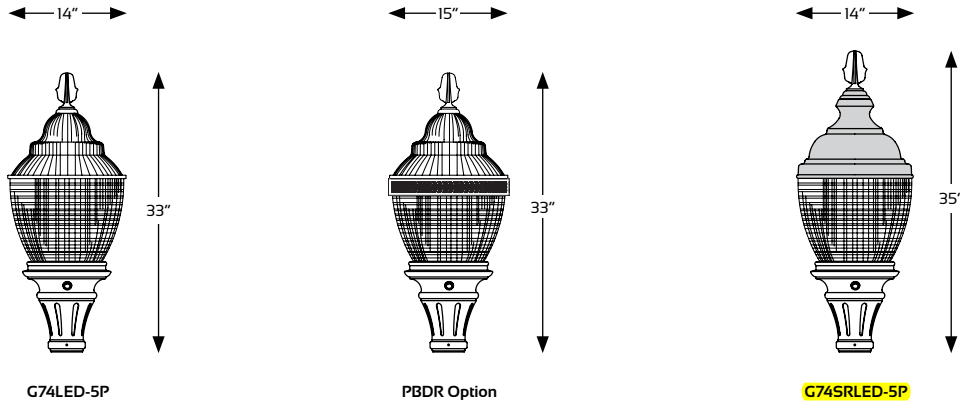
Finish

Refer to website for details.

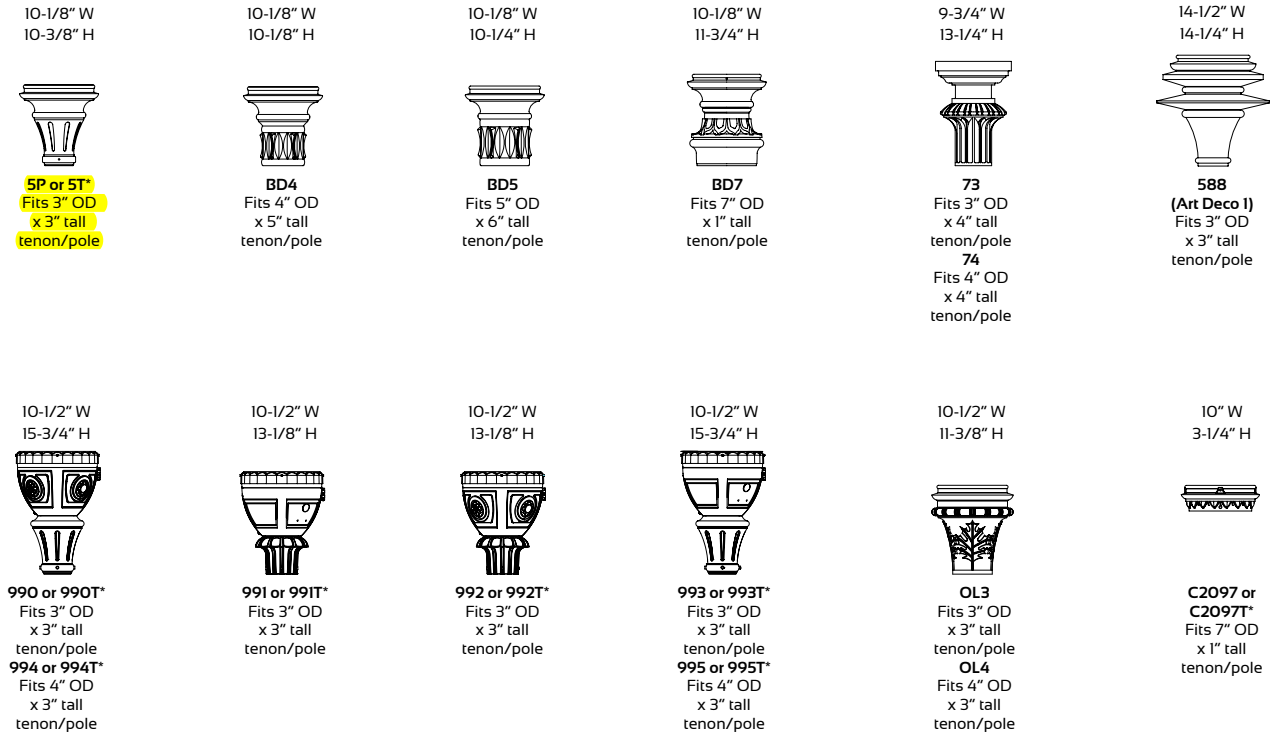
Performance

LIGHT SOURCE	T3 INITIAL LUMENS	EFFICACY (LPW)	T5 INITIAL LUMENS	EFFICACY (LPW)	WATTAGE
4L27T_-MDL06	8380	85.5	9180	93.7	98
4L30T_-MDL06	9260	94.5	10140	103.5	98
4L40T_-MDL06	9565	97.6	10475	106.9	98
4L27T_-MDL05	6950	92.7	7605	101.4	75
4L30T_-MDL05	7675	102.4	8400	112.0	75
4L40T_-MDL05	7930	105.8	8675	115.7	75
4L27T_-MDL03	5475	99.6	5950	108.2	55
4L30T_-MDL03	6050	110.0	6570	119.5	55
4L40T_-MDL03	6250	113.7	6790	123.5	55
4L27T_-MDL02	4065	101.7	4400	110.0	40
4L30T_-MDL02	4490	112.3	4860	121.5	40
4L40T_-MDL02	4640	116.0	5020	125.6	40

Fixtures



Fitters



*Twist Lock Acorn (Fitter TL)

7700 BIRMINGHAM SERIES

SPECIFICATIONS

GENERAL

The ___ ft tall* decorative post shall be aluminum, one-piece construction. The 16" diameter cast aluminum fluted base shall be constructed with a ___ inch diameter aluminum shaft. The model shall be Sternberg Lighting #7700 or #7700R for candy cane poles. The pole shall be U.L. or E.T.L. listed in U.S. and Canada.

CONSTRUCTION

The base shall be designed with a tall and smoothly curved pedestal bottom section and transition to a tall twelve flute vertical base section and shall be made of heavy wall, 356 alloy cast aluminum. It shall have a large access door and a 1" thick floor cast as an integral part of the base. The shaft shall be double circumferentially welded internally and externally to the base for added strength.

___ The **smooth tapered shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

___ The **smooth straight shaft** shall be made of ASTM 6063 extruded aluminum and tempered to a T6 condition.

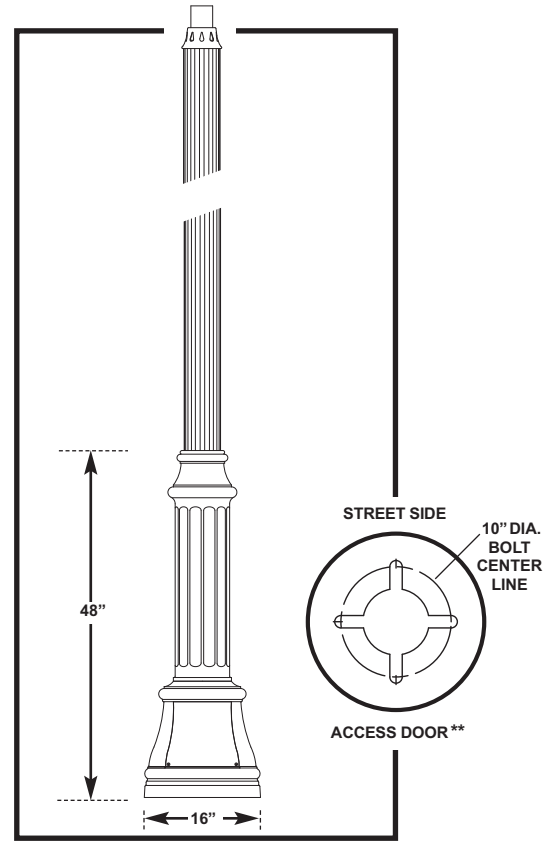
___ The **straight fluted shaft** shall be made of ASTM 6061 extruded aluminum and tempered to a T6 condition. It shall have a decorative fluted 3" O.D. tenon.

___ The **tapered fluted shaft** shall be made of heavy wall, 356 alloy cast aluminum

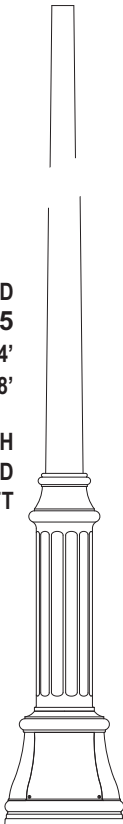
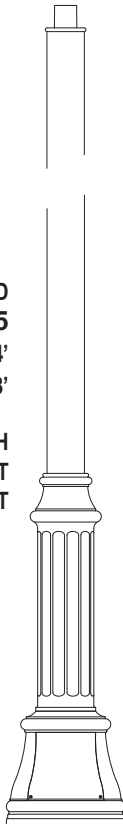
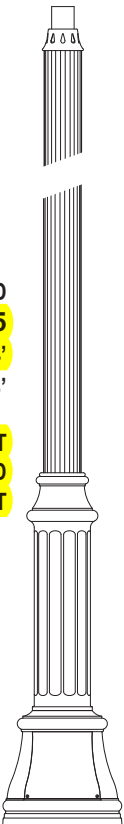
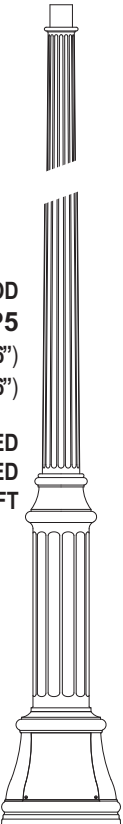
INSTALLATION

Four 3/4" diameter, hot-dipped galvanized "L" type anchor bolts shall be provided with the post for anchorage. A generously sized door shall be provided for wiring and anchor bolt access. It shall be secured with tamper proof, stainless steel hardware. Post will be provided with a grounding stud mounted on the base floor opposite the access door.

Indicate the type of shaft needed (above)



**See installation template for exact door position. Bolt circle dimensions may change on taller poles.

Cast Aluminum-Extruded Poles		16" Diameter Base x 48" High	
<p>5" - 3" OD 77 __ ' T5 08' 10' 12' 14' 16' 18'</p> <p>SMOOTH TAPERED SHAFT</p> 	<p>5" OD 77 __ ' P5 08' 10' 12' 14' 16' 18'</p> <p>†SMOOTH STRAIGHT SHAFT</p> 	<p>5" OD 77 __ ' FP5 08' 10' 12' 14' 16' 18'</p> <p>†STRAIGHT FLUTED SHAFT</p> 	<p>5"-3" OD 77 __ ' TFP5 11' (11'6") 12' (12'6") 14' (14'6") 16' (16'6")</p> <p>TAPERED FLUTED SHAFT</p> 

*For candy cane poles insert ___ AG ft (feet - above grade height). See diagram on reverse side.

† Tenon not supplied if fixture or arm slips 5" O.D.

7700 BIRMINGHAM SERIES

POSTS / OPTIONS / POST CAPS

BUILDING A PART NUMBER

Straight Poles

MODEL / HEIGHT / SHAFT	POST CAP CENTER	OPTIONS	FINISH
77 14 FP5	BCC	FH	BK

Candy Cane Poles

MODEL / HEIGHT / SHAFT	HEIGHT ABOVE GRADE	OPTIONS	FINISH
77 00 RT5	14 AG		BK

Part Number Selections

MODEL	HEIGHT	SHAFT†
• 77	• 08' • 10' • 11' • 12' • 14' • 15' • 16' • 17' • 18"	• T5: 5"-3" Tapered Smooth • P5: 5" Straight Smooth • FP5: 5" Straight Fluted • TFP5: 5"-3" Tapered Fluted*

* Available in 11' (11'6") 12' (12'6") 14' (14'6") 16' (16'6")

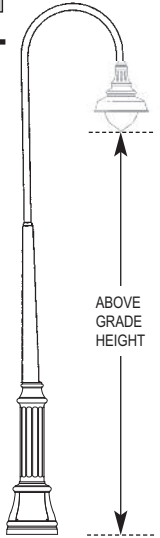
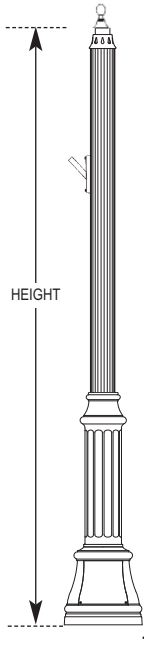
OPTIONS AVAILABLE
• GFI • SBAR • PCD • GFB • DSPA • SH • FH • DHPA • SB • SBA • PA478 • SB • DBA • DB Direct Burial • HB Helix Burial

Part Number Selections

MODEL	HEIGHT	SHAFT†	ABOVE GRADE
• 77	• 00	• RT5: 5"-3" Tapered Smooth • RP5: 5" Straight Smooth • RFP5: 5" Straight Fluted • RTFP5: 5"-3" Tapered Fluted*	• 08' AG • 10' AG • 12' AG • 13' AG • 14' AG • 15' AG • 16' AG • 17' AG • 18' AG

* Available in 13' (11'6") 14' (14'6") 16' (16'6") 18' (18'6")


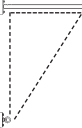








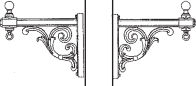


POST CENTER CAP (If Required)	STANDARD FINISHES*	STERNBERG SELECT FINISHES
• BCC • FCC • SCC • TFCC • SSCC	• BKT Black Textured • WHT White Textured • PGT Park Green Textured • ABZT Architectural Medium Bronze Textured • DBT Dark Bronze Textured	• VG Verde Green • SI Swedish Iron • OWGT Old World Gray Textured








† See first page for height restriction.

OPTIONS AVAILABLE

See Accessories Section for more options and information

	GFI - Ground Fault Interrupter mounts in the pole		SBAR -Single Banner Arm and Ring		PCD - Photo Control mounts on door on pole
	GFB - Ground Fault Breaker <i>inside</i> base		DSPA -Double Stepped Planter Arms mount on either side		SH - Speaker Hub for mounting speaker, floodlight or signal
	FH - Flag Pole Holder mounts on the pole		DHPA -Double Hooked Planter Arms mount on either side		SB - Sign Bracket mounts on pole to hold signs
	SBA - Single Banner Arm mounts on the pole		PA478 -Decorative Planter Arms with planter rings		WHK - Wreath Hook mounts on pole to hold decorations
	DBA - Double Banner Arms mount on same side of the pole				

POST CENTER CAPS (If Required)

	BCC - Ball Center Cap		FCC - Finial Center Cap		SCC - Spiked Center Cap		TFCC - Tall Finial Center Cap		SSCC - Side Spiked Center Cap
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80 ARMS & WALL BRACKETS

The 80 arm includes a diverse family of sizes and orientations that allow for many mounting configurations that meet almost any project design requirements. These heavy cast arms look robust and substantial while still showing well-proportioned dimensions, scale and classic detailing. Matching well with traditional luminaires these arms can be pole or wall mounted in single or multiple head configurations.



BUILD A PART NUMBER		
ORDERING EXAMPLE: 80-PM-BKT		
Arm	Mounting Style	Finish

Arms

- **80**
 - 80DLS
 - 80DH
 - 80H
 - 80LF
- D=Down Sweeping H=Hanging LF=Long Font LS=Long Spindle

Mounting Styles

- **PM** Post Mount
- **WB** Wall Bracket
- **WBBB** Wall Bracket With Ballast Box

Finish (Click here to view paint finish sheet)

Standard Finishes¹

- **BKT** Black Textured
- **WHT** White Textured
- **PGT** Park Green Textured
- **ABZT** Architectural Medium Bronze Textured
- **DBT** Dark Bronze Textured

¹Smooth finishes are available upon request.

Custom Finishes²

- **CM** Custom Match
- **OI** Old Iron
- **RT** Rust
- **WBR** Weathered Brown
- **CD** Cedar

- **WBK** Weathered Black
- **TT** Two Tone

²Custom colors require upcharge.

Sternberg Select Finishes

- **VG** Verde Green
- **SI** Swedish Iron
- **OWGT** Old World Gray Textured

Arms

Cat. #	Detail	Dimension	Available Mounting Styles	Weight / EPA
80		11-3/4" L 10-1/8"H	PM WB WBBB	2.5 LBS 0.34 SQ FT
80DLS		11-3/4" L 25-1/4"H	PM WB WBBB	5.2 LBS 0.41 SQ FT
80DH		11-7/8" L 9-1/4"H	PM WB WBBB	2.5 LBS 0.34 SQ FT
80H		11-7/8" L 9-1/4"H	PM WB WBBB	2.5 LBS 0.34 SQ FT
80LF		11-1/2" L 18"H	PM WB WBBB	5.1 LBS 0.41 SQ FT

Mounting Style

Mounting Style	Detail	Back Plate/ Rough in Dimensions	Extension	Fit
PM		1-1/2" W 8-3/4"H	12"	3" - 6" Poles
WB*		4-3/4" W 10-1/8"H	12"	Flat Wall
WBBB*		6" W 11-3/8"H	15-3/4"	Flat Wall

*Click Mounting Style for installation instructions.