

[illegible]

GENERAL NOTES 1. CALL BEFORE YOU DIG 2. WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS 3. THE LOCATION OF UTILITIES ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITIES THAT ARE NOT SHOWN. 4. PRIOR TO COMMENCEMENT OF HARDSCAPE CONSTRUCTION, ALL PIERS, FOOTINGS, AND WALLS ARE TO BE SURVEYED, LAID OUT, AND STAKED IN FIELD FOR REVIEW BY LANDSCAPE ARCHITECT. 5. EASEMENTS, SETBACKS, BUILDING, CURB AND GUTTER, UNDERGROUND UTILITIES HAVE BEEN SUPPLIED TO THE LANDSCAPE ARCHITECT BY THE PROJECT CIVIL ENGINEER. CONCRETE NOTES 1. CAST-IN PLACE CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS 1.1. MINIMUM 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS 1.2. AGGREGATES: ASTM C33, MAXIMUM 3/4" IN SIZE. 1.3. SLUMP: 3 TO 5 INCHES 1.4. AIR CONTENT: 4 TO 6 PERCENT BY VOLUME 2. CONCRETE THICKNESS 2.1. PEDESTRIAN AREAS: 5" THICK 2.2. VEHICULAR AREAS: REF. CIVIL ENG. DWGS. 3. CONCRETE REINFORCING 3.1. 5" TH x #9 @ 18" O.C., BOTH WAYS 3.2. VEHICULAR AREAS: REF. CIVIL ENG. DWGS. 4. SAWCUT JOINTS TO BE PLACED AS INDICATED ON PLANS TO A MINIMUM 1/2" DEPTH. 5. EXPANSION JOINTS 5.1. PLACE AT MAXIMUM OF 30' O.C. AND COORDINATE WITH OVERALL PAVING PATTERN AND SAW JOINTS. 5.2. PROVIDE 18" #4 SMOOTH DOMELS AT MAXIMUM 18" ON CENTER. COAT ONE END OF DOMEL TO PREVENT BAND. PLANTING NOTES 1. CONTRACTOR SHALL STAKE OUT ALL TREE LOCATIONS IN FIELD FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. 2. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AND MUST BE REPLACED BY PLANT MATERIAL OF THE SAME VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED. 3. FINAL FINISH GRADE SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. 4. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS AND SIZES GIVEN IN THE PLAN LIST. 5. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL PLANTING AREAS. OVER SPRAY ON STREETS AND WALKS IS PROHIBITED. SYMBOLS LEGEND --- LIMIT OF WORK LINE --- PROPERTY LINE --- WATER LINE DETAIL REFERENCE ENLARGEMENT REFERENCE EJ EXPANSION JOINT CJ CONTROL JOINT TOTAL PAVING P-1 ASPHALT DRIVE COLOR: DARK GREY DEPTH: STD. SPEC. MATCH EXISTING P-2 CONCRETE PAVING COLOR: WHITE FINISH: BRUSH TEXTURE THICKNESS: 4" JOINT: SAW CUT. REFER TO PLAN INSTALLATION: REFER TO DETAILS P-3 CONCRETE PAVING COLOR: WHITE FINISH: SMOOTH THICKNESS: 4" JOINT: SAW CUT. REFER TO PLAN INSTALLATION: REFER TO DETAILS GRAVEL G-1 PEDESTRIAN GRAVEL MATERIAL: CRUSHED MARBLE STONE COLOR: WHITE SIZE: 3" PAN DEPTH: 2" TOPPING ON BASE WOOD W-1 WOOD COMPOSITE COLOR: WHITEWASH CEDAR SIZE: 7x6" METAL M-1 GUARDRAIL MATERIAL: GALVANIZED STEEL COLOR: WHITE TYPE: TUBING SIZE: 4" DIAMETER M-2 STEEL WALL MATERIAL: RUSTED CORTEN THICKNESS: 1/2" TOTAL DRAINS D-1 FRENCH DRAIN PVC 40 SIZE: 4" PIPE PERFORATION: 1/8" INSTALLATION: REF. DETAILS
--

JOHN CARTER

FIRM ADDRESS

Project Name

LAKE DRIVE PARK

Issue Title

Issue / Addenda / Revisions

Scale

SEAL

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NAME OF LANDSCAPE ARCHITECT

STATE LIC. #

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NAME OF LANDSCAPE ARCHITECT

STATE LIC. #

Drawing Title

MATERIALS SHEET

Issue Title

Project No:

Reviewed By:

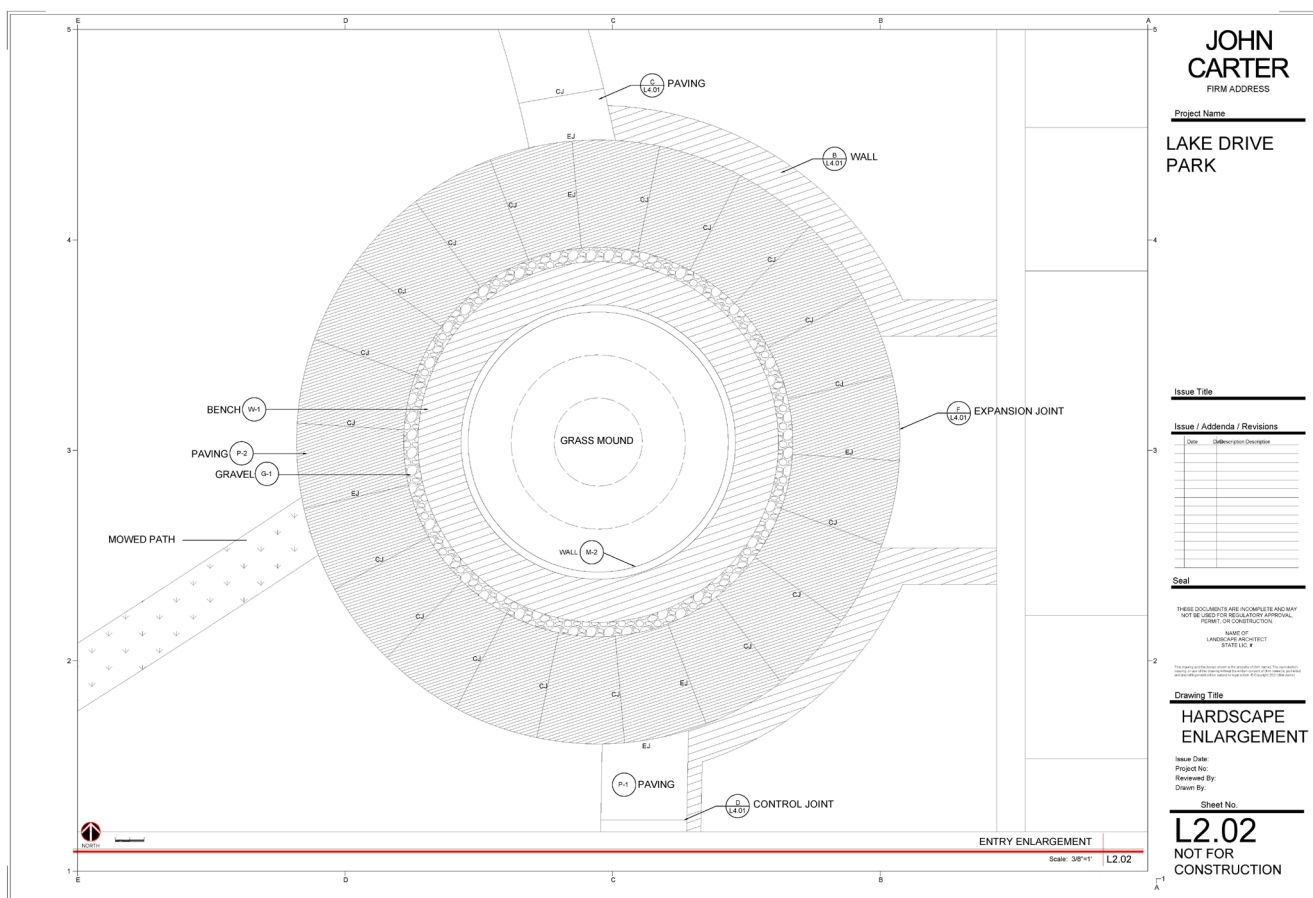
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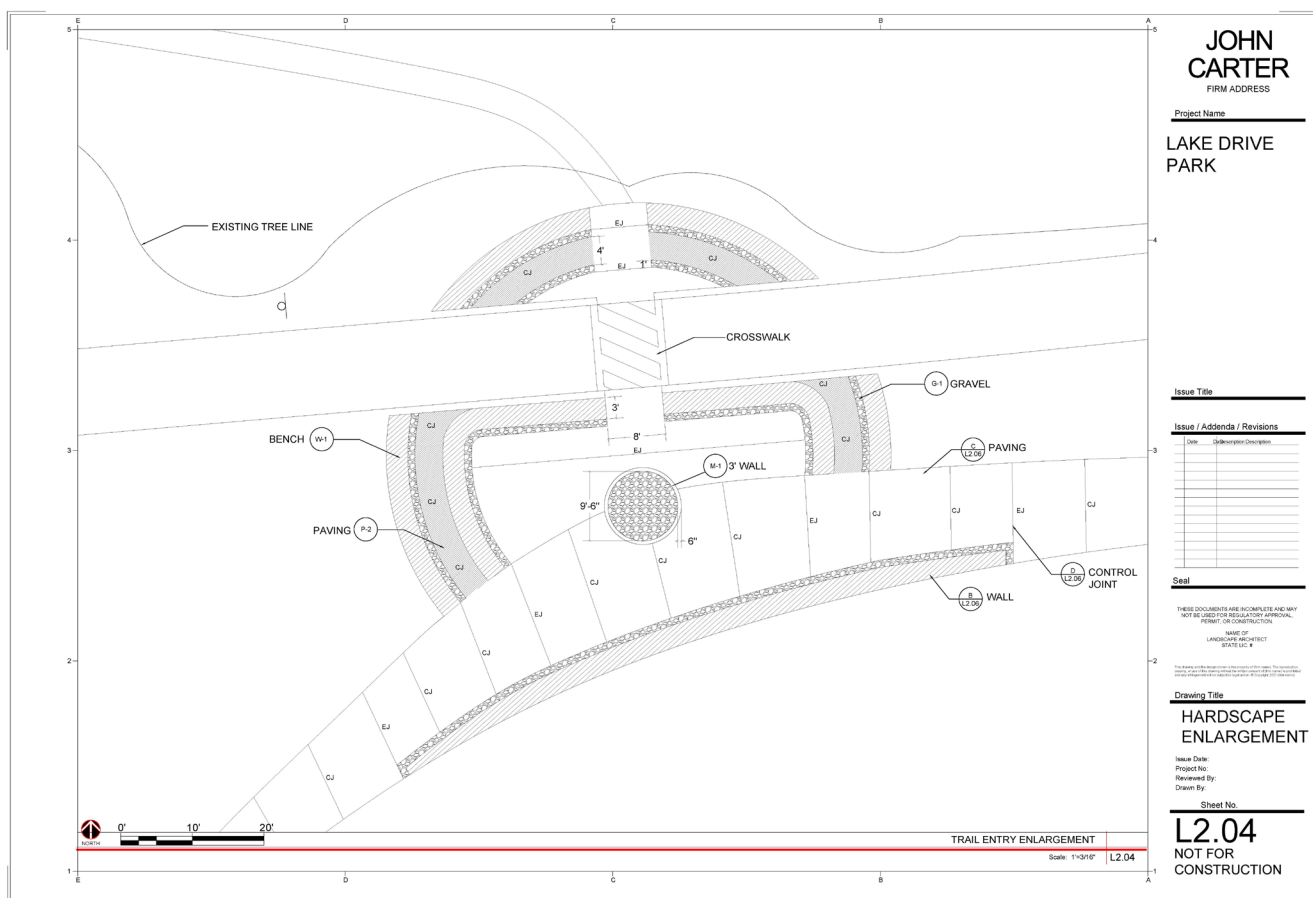
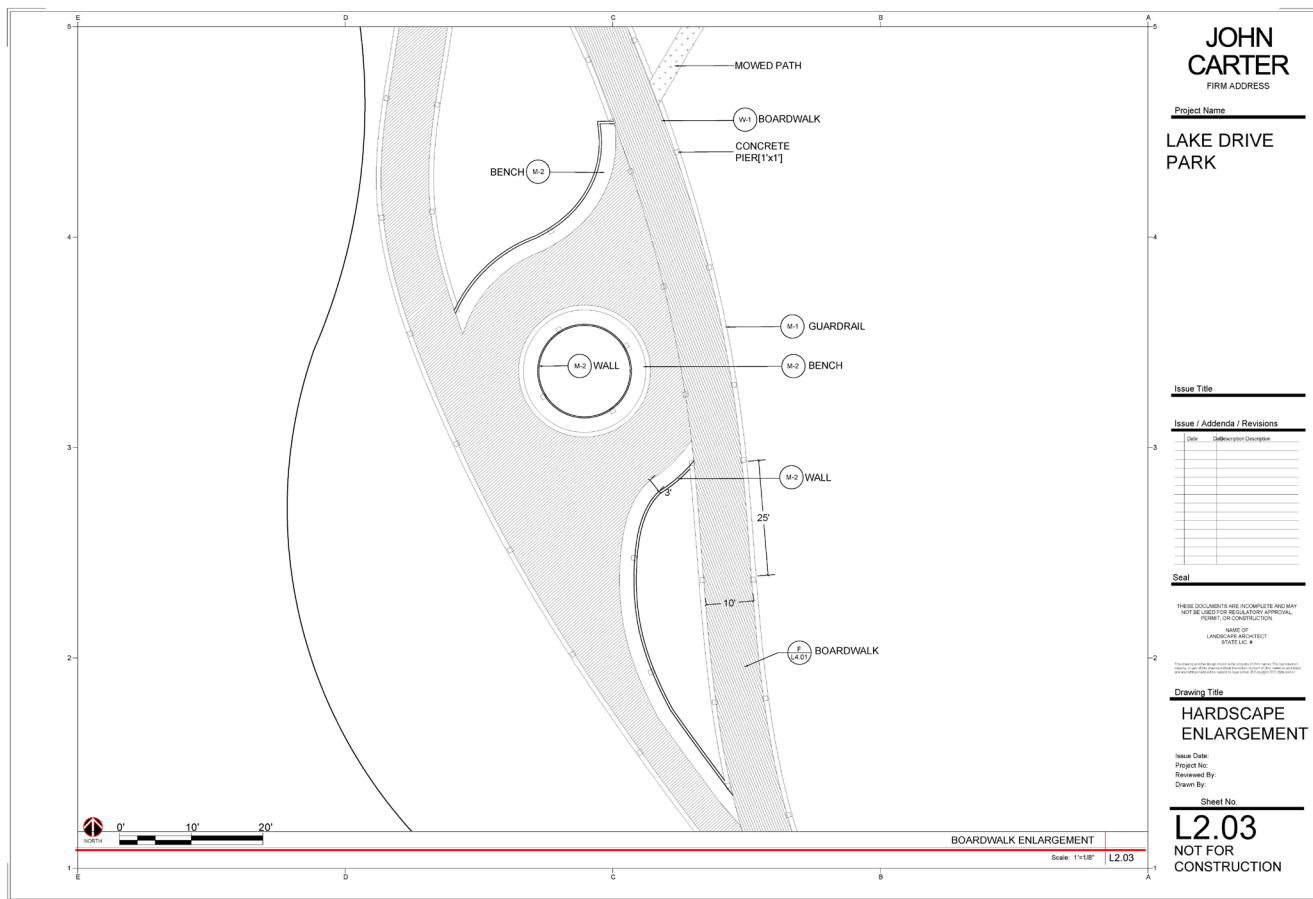
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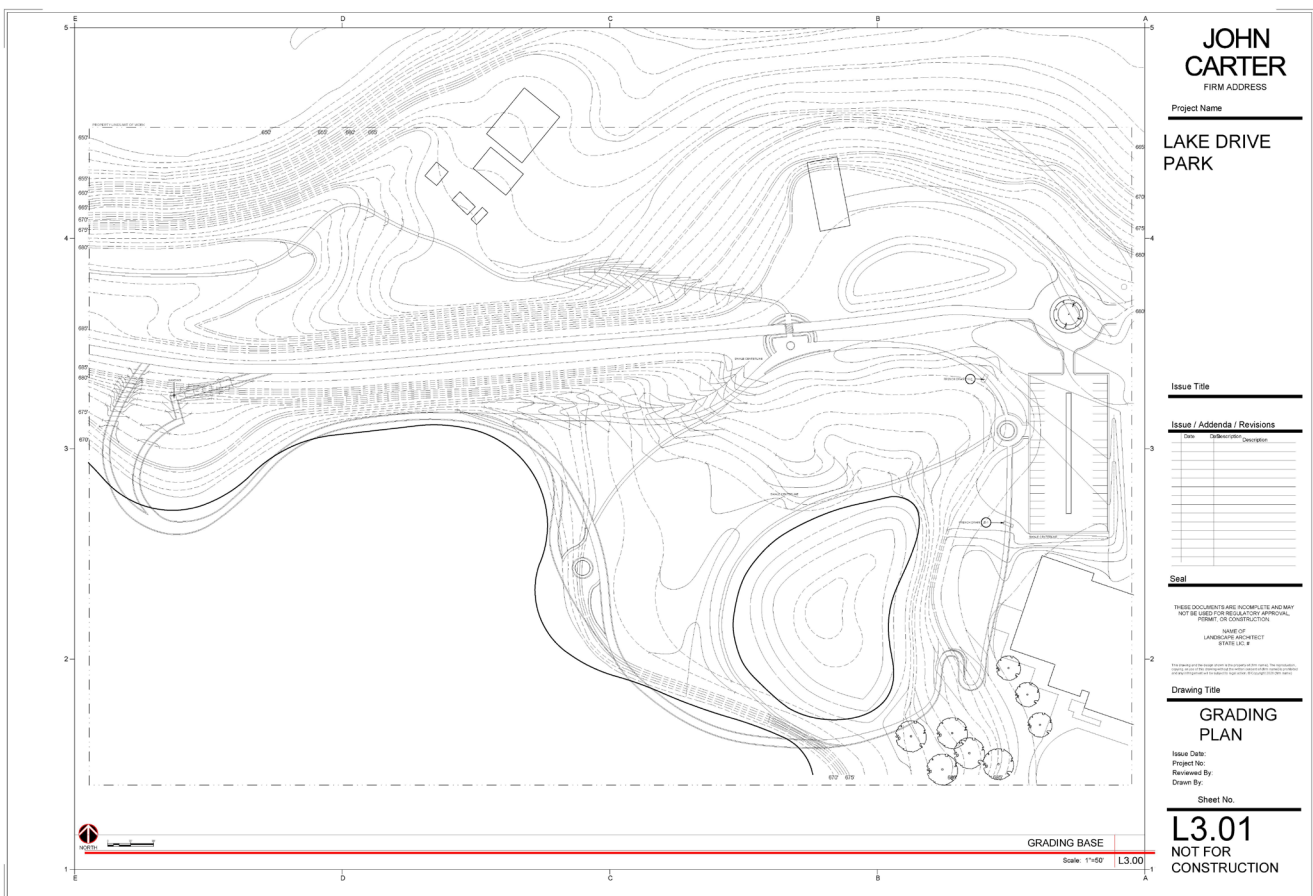
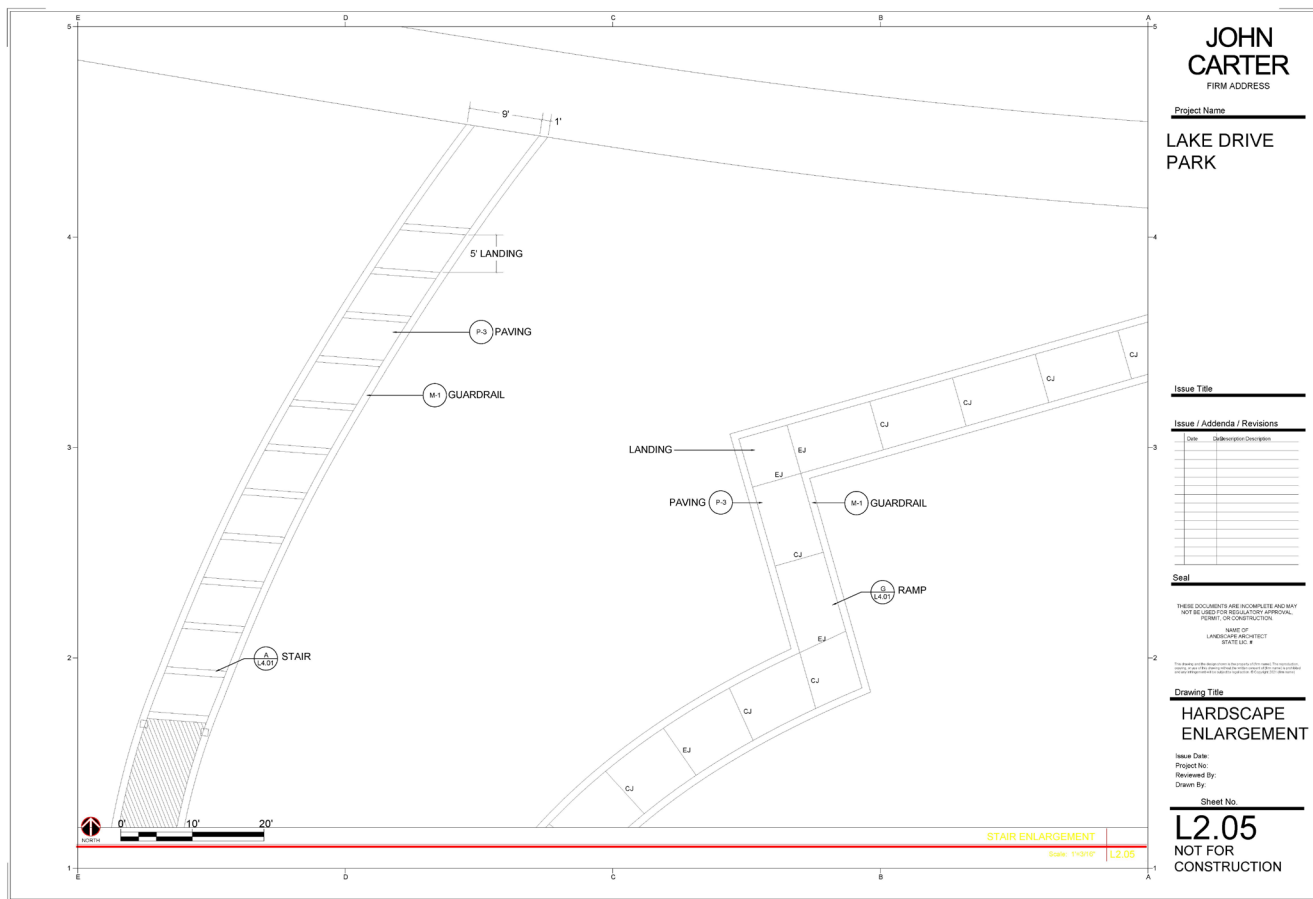
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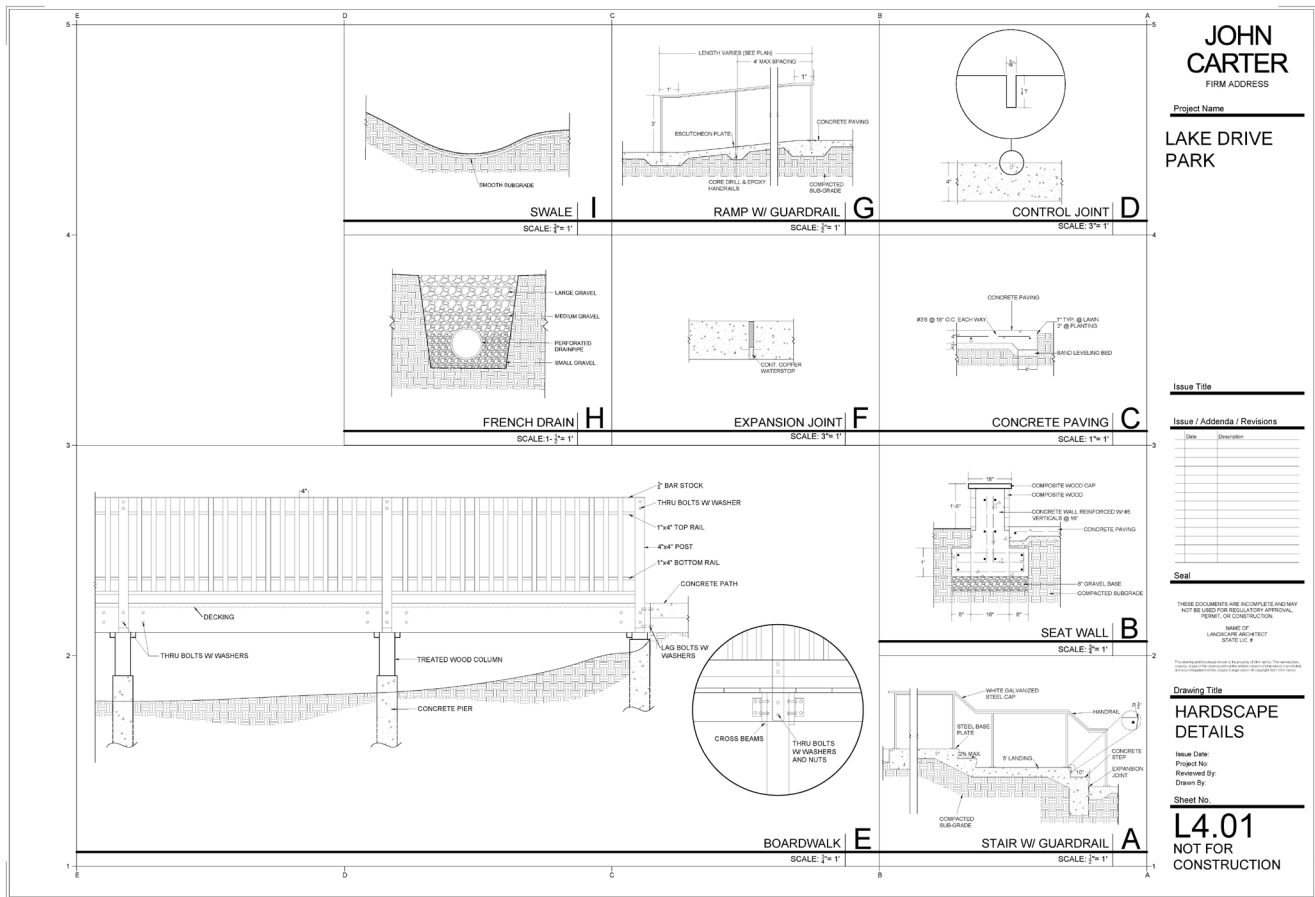
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Set # : 1

Project #: 0001



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POSSIBILITIES**
324 Fernow St.
Clemson, SC 29634

STAMP

ISSUE DATE:		
REVISIONS		
#	DATE	DESCRIPTION
DRAWN:	REVIEWED:	

PROJECT NUMBER: 0001

EXISTING CONDITIONS

SHEET NUMBER

SHEET NUMBER
L0-20

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PROJECT NUMBER: 0001

TREE PROTECTION
PLAN

SHEET NUMBER

SHEET NUMBER
L1-00

NOT FOR CONSTRUCTION



1. PRIOR TO COMMENCEMENT OF HARDCAPE CONSTRUCTION, CONTRACTOR MUST HAVE AN LICENSED ARBORIST REVIEW ALL CONDITIONS WHERE EXISTING TREES ARE SUBJECT TO DAMAGE DURING CONSTRUCTION.
2. PROTECT EXISTING TREES AND PLANTS AT SITE THAT ARE DESIGNATED TO REMAIN WHERE INDICATED ON DRAWINGS AND AT OTHER LOCATIONS WHERE TREES ARE SUBJECT TO DAMAGE DURING CONSTRUCTION.
3. PROVIDE CHAIN-LINK FENCE BARRIERS TO HEIGHT OF 4 FEET AROUND INDIVIDUAL AND/OR GROUPS OF TREES AND PLANTS AS SHOWN ON PLANS. REFER TO DETAIL, AL502 & SPECIFICATIONS.
4. POST "KEEP OUT" SIGNS ON TREE PROTECTION ZONE (TPZ) FENCING.
5. SUPERVISE EARTHWORK OPERATIONS TO PREVENT DAMAGE TO CRITICAL ROOT ZONES.
6. ASSIGN A MONITOR TO MAINTAIN TPZ FENCING AND TO KEEP IN GOOD CONDITION FOR DURATION OF CONSTRUCTION.
7. HIRE A PROFESSIONAL ARBORIST TO COMPLETE REGULAR TREE MAINTENANCE TASK, INCLUDING WATERING, FERTILIZATION, AND MULCHING TO PROTECT TREE ROOTS.
8. PROTECT ROOT SYSTEM FROM DAMAGE CAUSED BY RUNOFF OR SPILLAGE OF NOXIOUS MATERIAL WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIALS.
9. MINIMIZE ALL TRENCING FOR NEW UNDERGROUND UTILITIES IN AREAS WITH EXISTING TREES.
10. PROTECT ROOT SYSTEM FROM PONDING, EROSION, OR EXCESSIVE WETTING CAUSED BY WATERING OPERATIONS.
11. DO NOT STORE CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL INSIDE TPZ.
12. DO NOT PERMIT VEHICLES OR FOOT TRAFFIC WITHIN TREE PROTECTION ZONES; PREVENT SOIL COMPACTION OVER ROOT SYSTEM.
13. MAINTAIN TPZ FREE OF WEEDS AND GRASS.
14. MULCH AREAS INSIDE TPZ WITH 4" THICK LAYER OF ORGANIC MULCH. DO NOT PLACE MULCH WITHIN 6" OF TRUNK OF TREE.
15. DO NOT EXCAVATE WITHIN TPZ UNLESS OTHERWISE INDICATED OR APPROVED. TREE SHALL BE ROOT PRUNED 1' OUTSIDE LIMIT OF REQUIRED EXCAVATION.
16. WHERE EXCAVATION FOR NEW CONSTRUCTION IS REQUIRED WITHIN THE TPZ AND IS APPROVED, HAND PRUNE OR UTILIZE APPROVED ROOT PRUNING TECHNIQUES PRIOR TO USE OF EXCAVATION EQUIPMENT.
17. DO NOT ALLOW EXPOSED ROOTS TO DRY OUT BEFORE PLACING PERMANENT BACKFILL. PROVIDE TEMPORARY EARTH COVER OR PACK ORGANIC MATERIAL AND WRAP WITH BURLAP. WATER AND MAINTAIN IN MOIST CONDITION. TEMPORARY SUPPORT AND PROTECT ROOTS FROM DAMAGE UNTIL THEY ARE PERMANENTLY COVERED WITH SOIL.
18. ROOT PRUNING SHALL BE DONE BY HAND WITH SHARP TOOLS OR IF DONE MECHANICALLY SHALL BE DONE WITH ROOT PRUNING HACKS, VIBRATORY PLOW, OR WITH A NEARROW FRENCHER WITH SHARP BLADES. ONCE A TRENCH IS OPENED UP, ALL EXPOSED ROOTS WILL BE HAND PRUNED TO PROVIDE A CLEAN-CUT ENDS.
19. DO NOT BREAK OR PULL ROOTS WITH A BACKHOE OR SIMILAR EQUIPMENT.



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PROJECT NUMBER: 0001

TREE PROTECTION
 NOTES

SHEET NUMBER
L1-01

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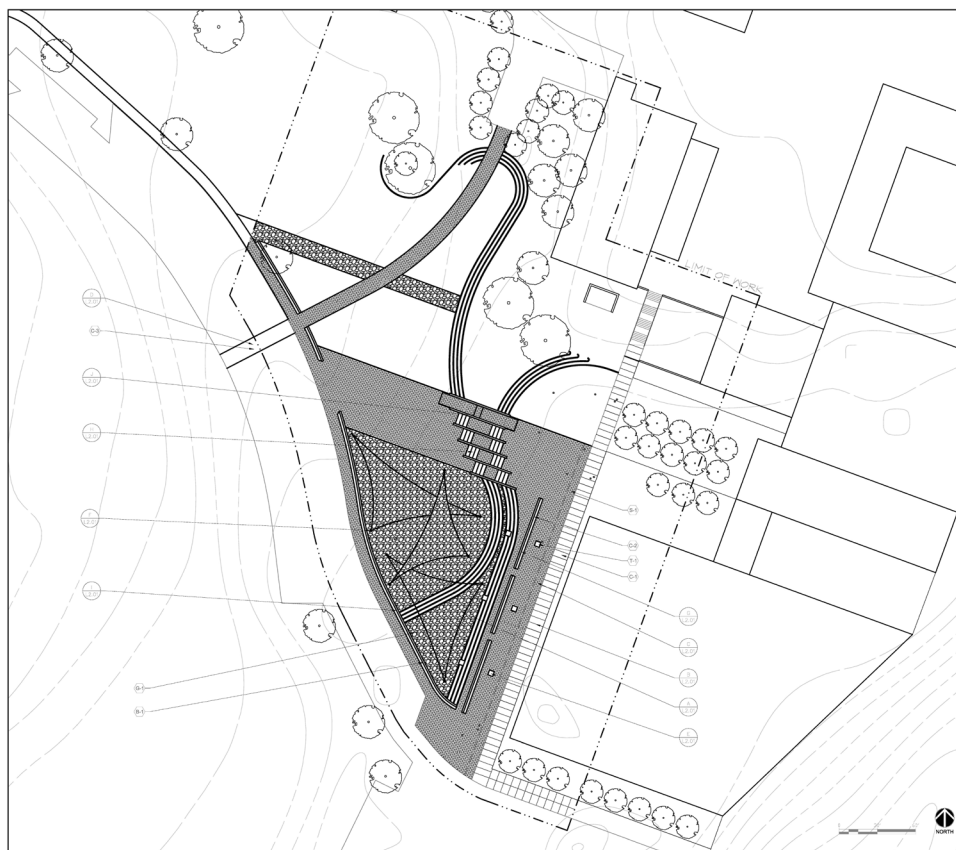
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PROJECT NUMBER: 0001

HARDSCAPE PLAN

SHEET NUMBER
L2-00

NOT FOR CONSTRUCTION



- Concrete**
 - Concrete Paving
 - Material: Mass Salt
 - Thickness: 4"
 - Joint: Saw Cut, Refer to Plan for Locations
- Concrete Pail Cap**
 - Material: Mass Salt
 - Thickness: 2.5" - 3.5"
- Concrete Curb**
 - Thickness: 6"
- Gravel**
 - Gravel Material
 - Material: Graded Stone
 - Color: Silver Mist
 - Depth: 2" Tapping on Base
 - Size: 3/8"
- Brick**
 - Brick Pail
- Steel**
 - Steel Struts
- Stone**
 - Stone Pavers



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HARDSCAPE PLAN

SHEET NUMBER
L2-00

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PROJECT NUMBER: 0001

Grading Plan

SHEET NUMBER

SHEET NUMBER
L3-00

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PROJECT NUMBER: 0001

PLANTING PLAN

SHEET NUMBER

SHEET NUMBER
L4-00

NOT FOR CONSTRUCTION

TREES	CODE	BOTANICAL / COMMON NAME	SIZE	CONTAINER	QTY	DETAIL	REMARKS
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PLANTING NOTES:

3. CONTRACTOR SHALL STAKE OUT ALL TREE LOCATIONS IN FIELD FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTING LOCATIONS AND SPECIES.
4. PLANTING BEDS SHALL BE STAKED FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO EXCAVATION AND BED PREP.
5. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO THE START OF ANY PLANTING OR EXCAVATION WORK.
6. IF IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE LANDSCAPE ARCHITECT OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION.
7. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AND MUST BE REPLACED WITH PLANT MATERIAL OF SAME VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.
8. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING AND REMOVAL OF DEBRIS PRIOR TO PLANTING IN ALL AREAS.
9. FINAL FINISH GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL TOPSOIL REQUIRED TO CREATE A SMOOTH FINISH TO ALL AREAS.
10. ALL PLANT QUANTITIES LISTED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE FULL COVERAGE IN ALL PLANTING AREAS AS SPECIFIED IN THE PLANT SCHEDULE AND VERIFY ALL QUANTITIES.
11. REFER TO PLANS FOR STAKE, EDGING LAYOUT LOCATIONS.
12. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS AND SIZES GIVEN IN THE PLANT LIST AND SHALL BE OF THE QUALITY AND ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK. LATEST EDITION AMERICAN ASSOCIATION OF NURSERMEN STANDARDS. ANY PLANT MATERIAL NOT MEETING THESE SPECIFICATIONS SHALL BE REJECTED BY THE LANDSCAPE ARCHITECT PRIOR TO PURCHASE.
13. CONTRACTOR IS REQUIRED TO PERFORM A PERCOLATION TEST FOR EACH TREE PIT PRIOR TO INSTALLATION. IF DRAINAGE DOES NOT OCCUR WITHIN 24 HOURS THE CONTRACTOR WILL BE RESPONSIBLE TO ADD A DRAINAGE FILTER, PERMEABLE SAND, AND PIPING. ALL SUPPLIES MUST BE INCLUDED IN THE BASE BID AND PROVIDED AS A DEDUCT AFTER TEST. IF NOT REQUIRED THE PERCOLATION TEST IS FORFEITED.
14. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION WITH OTHER CONTRACTORS AS REQUIRED TO ACCOMPLISH ALL PLANTING OPERATIONS.
15. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL PLANTING AREAS. OVER SPRAY ON STREETS AND WALKS IS PROHIBITED.
16. ALL VEGETATION MUST MEET STAKE SIZES REQUIREMENTS AND BE GROWN WITHIN 200 MILES OF THE PROJECT SITE.



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PROJECT NUMBER: 0001

PLANTING SCHEDULE

SHEET NUMBER

SHEET NUMBER
L4-01

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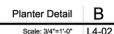
PROJECT NUMBER: 0001

PLANTING DETAILS

SHEET NUMBER

SHEET NUMBER
L4-02

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DESIGN IMP III
LEE III CLEMSON, SC 29631
PROJECT #: 01462023

BOTANICAL GARDENS
CLIFTON S.C.

NOT FOR
CONSTRUCTION

REVIEWED BY:

DATE:	REVISION:

S H E E T I N D E X

L- 0.00

L1.00- COVER SHEET
L1.01- GENERAL NOTES & MATERIALS LEGEND
L1.00- TREE MITIGATION
L1.01- TREE MITIGATION
L1.02- TREE MITIGATION
L2.00- KEY PLAN
L2.01- SITE PLAN
L2.02- SITE PLAN
L3.00- GRADING PLAN
L3.01- SITE PLAN
L3.02- SITE PLAN
L4.01- HARDSCAPE DETAILS
L4.02- HARDSCAPE DETAILS
L4.03- HARDSCAPE DETAILS
L4.04- HARDSCAPE DETAILS
L4.05- HARDSCAPE DETAILS
L5.00- PLANTING PLAN ENLARGMENT
L5.01- PLANTING PLAN ENLARGMENT
L5.02- PLANTING PLAN ENLARGMENT
L5.03- PLANTING DETAILS AND SCHEDULE

[illegible][illegible]

1. CAST IN PLACE CONCRETE SHALL MEET THE FOLLOWING REQUIREMENTS:
 - 1.1. MINIMUM 1,300 PSI COMPRESSIVE STRENGTH AT 28 DAYS
 - 1.2. AGGREGATE: ASTM C 686, MAXIMUM SIZE 3/4"
 - 1.3. SLUMP: 3 TO 4 INCHES
 - 1.4. AIR CONTENT: AS REQUIRED BY VOLUME
2. CONCRETE REINFORCE:
 - 2.1. REINFORCEMENT: #3 EPOCH
 - 2.2. TIE BAR AREA: REF. CIVIL ENG. DWG.
3. CONCRETE REINFORCING:
 - 3.1. EPOCH: #3-5 EPOCH REF. CIVIL ENGR. DWGS
 - 3.2. TIE BAR AREA: REF. CIVIL ENG. DWG.
4. LAWN OUT JOINTS TO BE PLACED INDICATED ON PLANS TO A MINIMUM OF 2" DEPTH
5. EPOXY JOINTS
6. PATCHING AT JOINTS OF C.C. JOBS CONCRETE WITH CHIPPING, BRUSHING AND PAINT, JOINTS
7. PATCHING OF ALL SUBSIDIARY CRACKS IN SUBGRADE "IF" CRACKS CAUSE CRACKING OF DRAIN, JOINTS

	0/1 SHEETS	PHOTOS	SHOP DRAWS	SAMPLE	MOOD-UP
STONE – CAPS, VENEER, TREADS, AND PAVING				●	
GRAVEL				●	
FURNISHINGS	●				
TREES & PLANTS		●			
LANDSCAPE MULCH / TOP SOIL	●			●	
LANDSCAPE LIGHT FIXTURES			●		
PLANTS		●			
IRRIGATION EQUIPMENT	●		●		

[illegible]

8. ILLUSTRATE THE EXISTENCE OF A CLOSE CONNECTION TO PROVIDE BODILY/EMOTIONAL PERSONAL CONTACT WITH

LIGHTING

1. ALL LIGHTING SYMBOLS ARE SHOWN FOR COORDINATION AND REFERENCE ONLY. REFER TO ARCHITECT'S PLAN AND LIGHTING FIXTURE SCHEDULE FOR LIGHTING FIXTURE TYPES, INSTALLATION DETAILS, AND DIMENSIONS.

ROADWAYS + BOUNDARIES

1. ALL ROADWAYS, CURBS, PROPERTY LINES, PLANT LINES AND BOUNDARIES ARE SHOWN FOR COORDINATION/REFERENCE ONLY. REFER TO CIVIL ENGINEER DRAWINGS.

UTILITIES

1. ALL UTILITIES ARE SHOWN FOR COORDINATION AND REFERENCE ONLY. REFER TO CIVIL ENGINEER DRAWINGS.

TREE PROTECTION NOTES

[illegible][illegible]

G-1

2" AA CRUSHED CONCRETE

MATERIAL: CRUSHED CONCRETE (RECYCLED)
COLOR: NATURAL GRAY
DEPTH: 2" TOPPING ON 1.5" BASE
USE: PARKING LOT
INSTALLATION: REFER TO DETAILING
DISTANCE TO SOURCE: WITHIN 500 MILES OF

WATER: CRUSHED CONCRETE (RECYCLED)
COLOR: NATURAL GRAY
DEPTH: 2"
USE: PATHWAYS
INSTALLATION: REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 500 YARDS OF

P-1

CONCRETE PAVING

MATERIAL: CONCRETE
COLOR: NATURAL GRAY
FINISH: TROWEL FINISH
THICKNESS: 6"

INSTALLATION REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 500 FEET OF

MATERIAL: RECYCLED HIGH DENSITY POLYETH
COLOR: BLACK WITH UV STABILIZER
SIZE: 24" x 24"
THICKNESS: 1.8"
INSTALLATION REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 500 MILES OF

S-1

CORTEN STEEL

MATERIAL: CORTEN STEEL
COLOR: BROWN
FINISH: BROWN OXIDATION
THICKNESS: 1/4"
INSTALLATION REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 500 FEET OF

W-1

CABLE RAILING SYSTEM

MATERIAL: STAINLESS STEEL
COLOR: METALLIC SILVER
THICKNESS: 1/4"
INSTALLATION: REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 600 MM (24")

WOOD

 WO-1

FINE

MATERIAL: FINE WOOD
COLOR: BROWN
FINISH: OILWASH CHESTNUT STAIN
THICKNESS: 1 1/4"
INSTALLATION: REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 500 MILES OF



TELECO
TELECO PRO PLUS PERMANENTE FRUITA



GRAVE STUDIO
LEE III
CLEMSON
SC 29631

DESIGN IMP III
LEE III CLEMSON, SC 29631
PROJECT #: 01462023

BOTANICAL GARDENS
CLIFTON S. C.

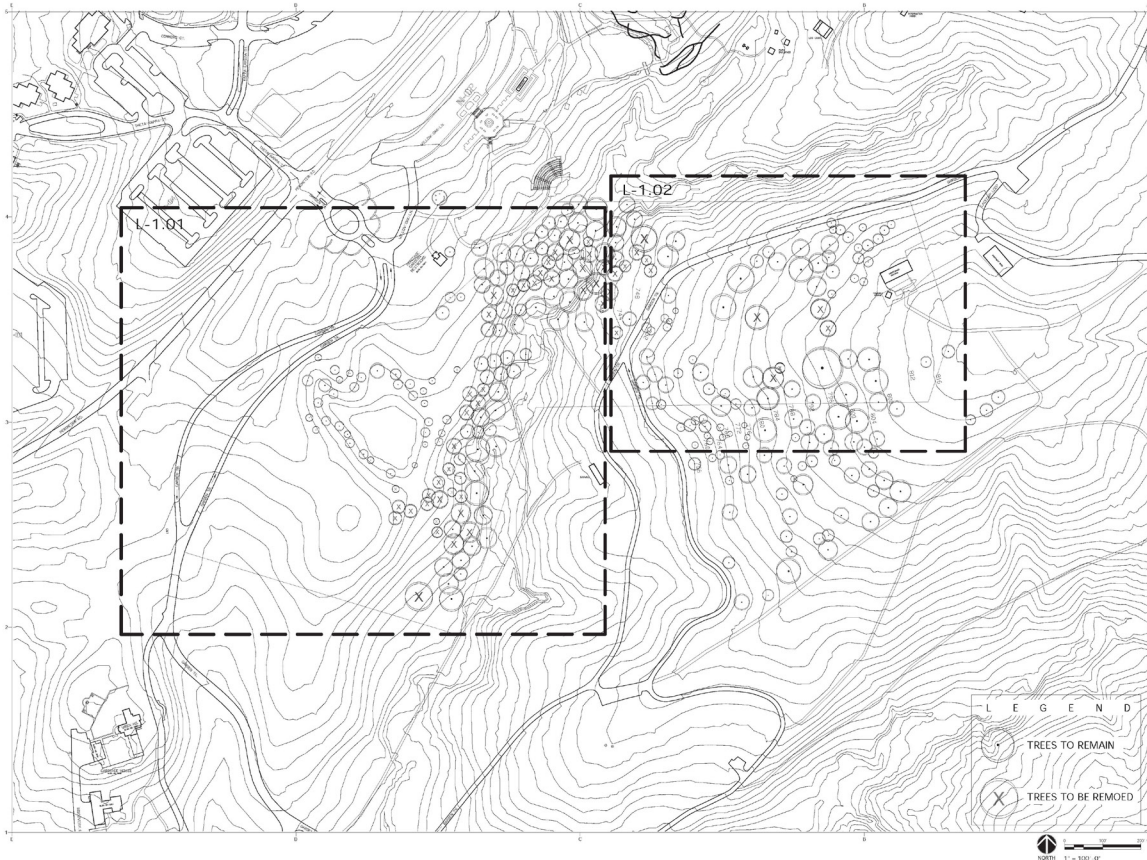
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GENERAL NOTES
+ MATERIALS

L- 0.01



GRAVE STUDIO
LEE III
CLEMSON
SC 29631

DESIGN IMP III
LEE III CLEMSON, SC 29631

PROJECT #: 01462023

BOTANICAL GARDENS CLEMSON, SC

50% CD SET

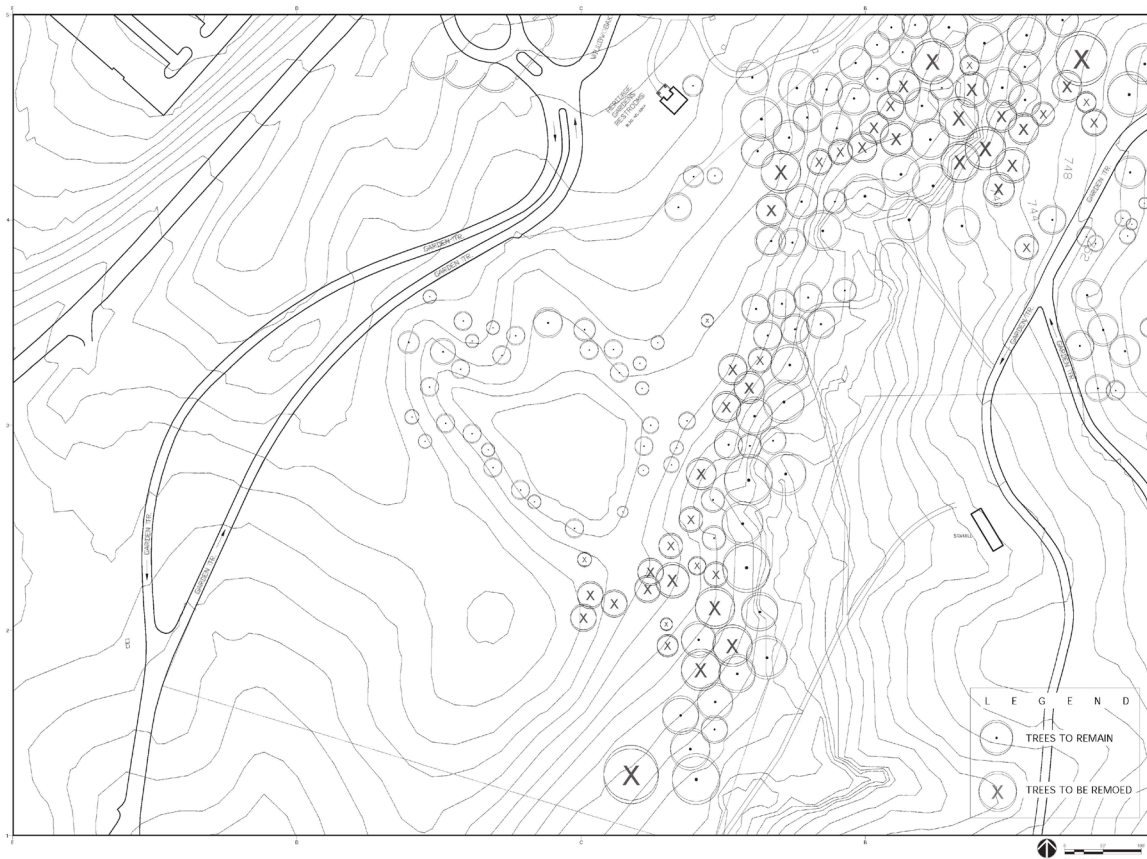
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TREE MITIGATION

L- 1.00



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BOTANICAL GARDENS CLEMSON, SC

50% CD SET

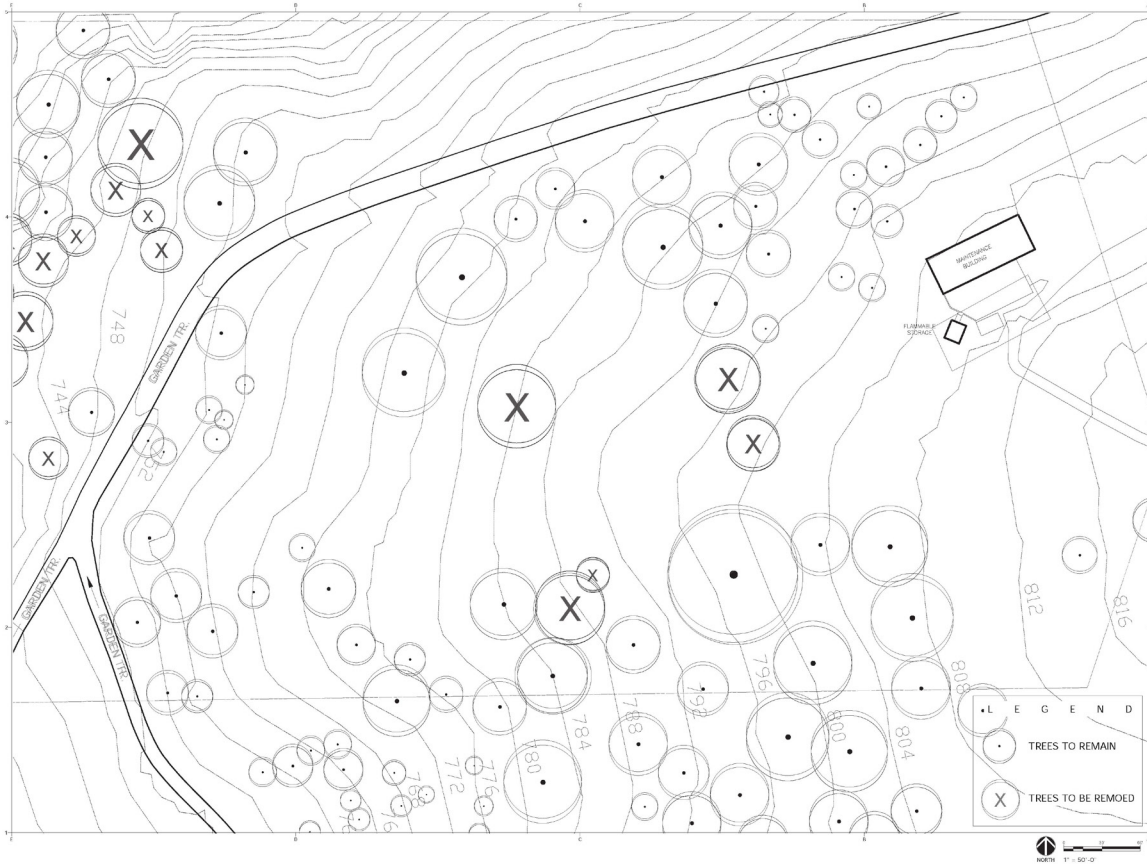
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TREE MITIGATION

L- 1.01



GRAVE STUDIO
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BOTANICAL GARDENS CLEMSON, SC

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TREE MITIGATION

L- 1.02



GRAVE STUDIO
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SC 29631

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BOTANICAL GARDENS CLEMSON, SC

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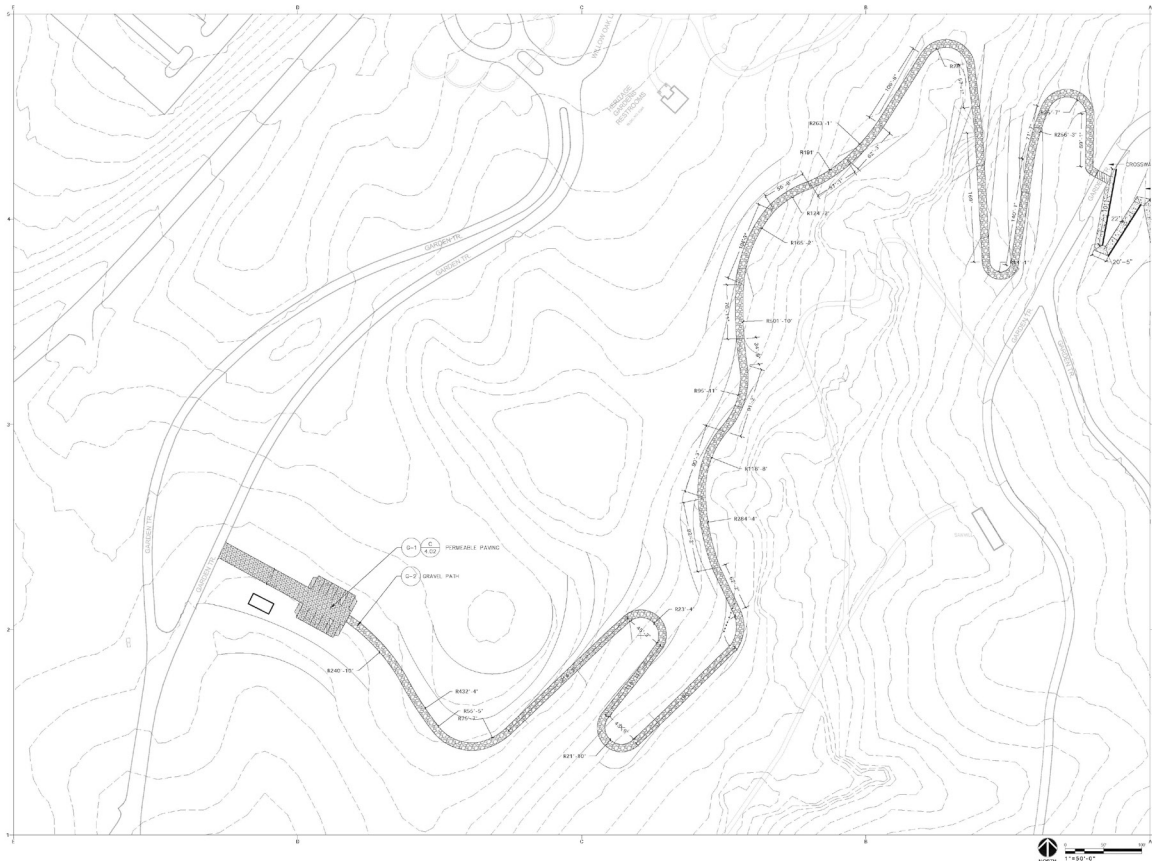
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KEY SHEET

L- 2.00



GRAVE STUDIO
LEE III
CLEMSON
SC 29631
DESIGN IMP III
LEE III CLEMSON, SC 29631
PROJECT #: 01462023

BOTANICAL GARDENS
CLEMSON, SC

50% C.D. SET

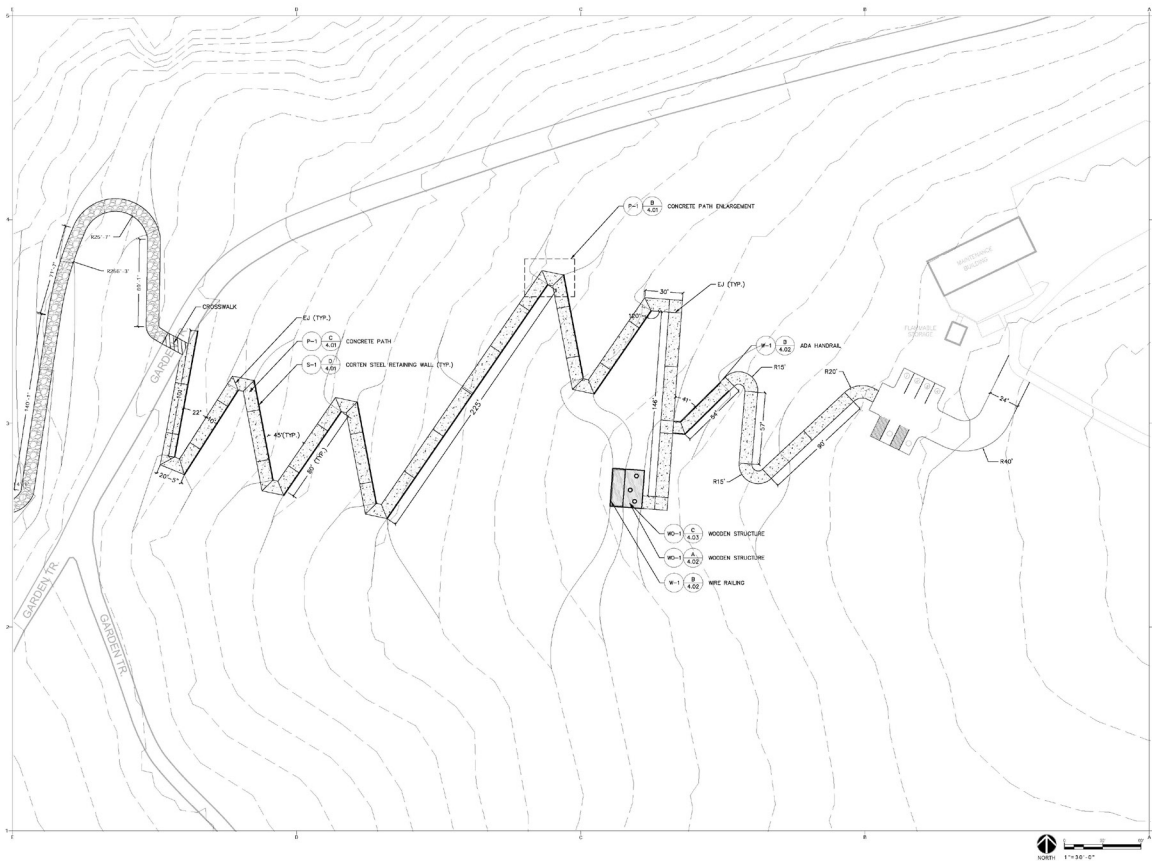
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SITE PLAN

L-2.01



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BOTANICAL GARDENS
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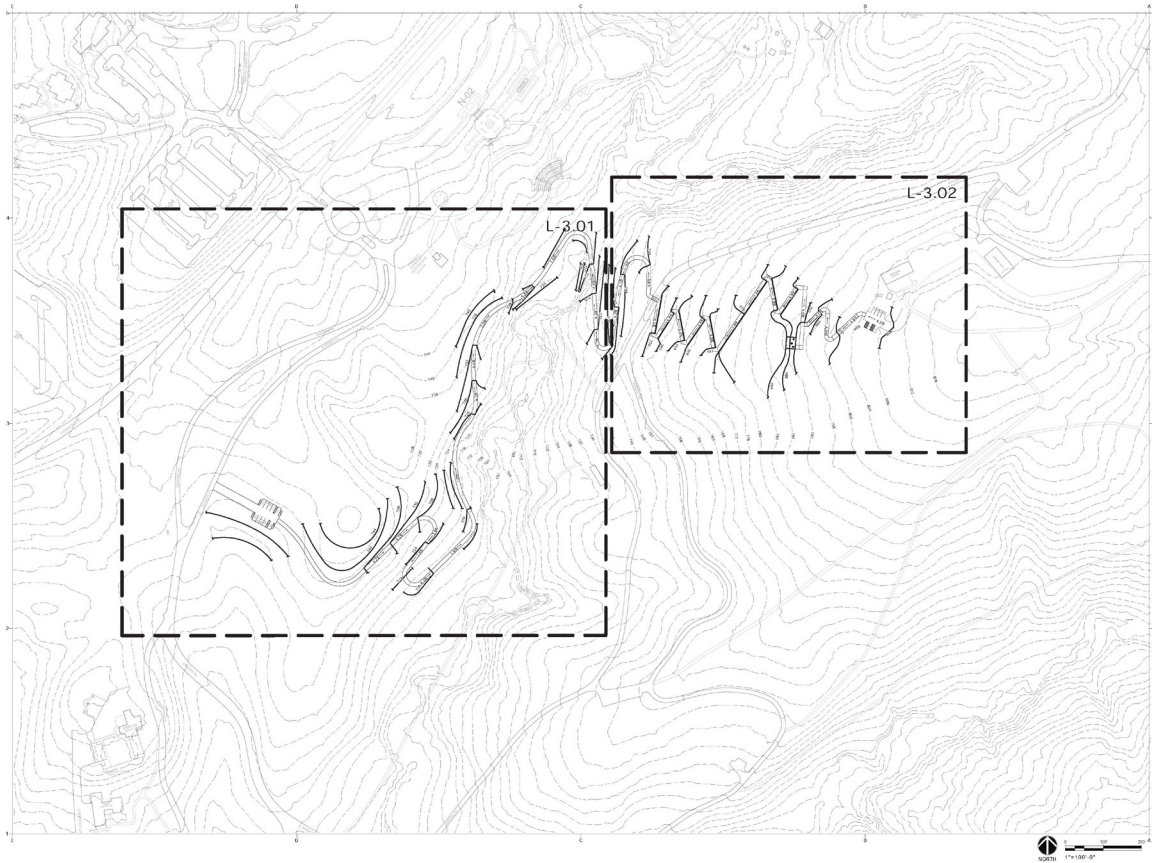
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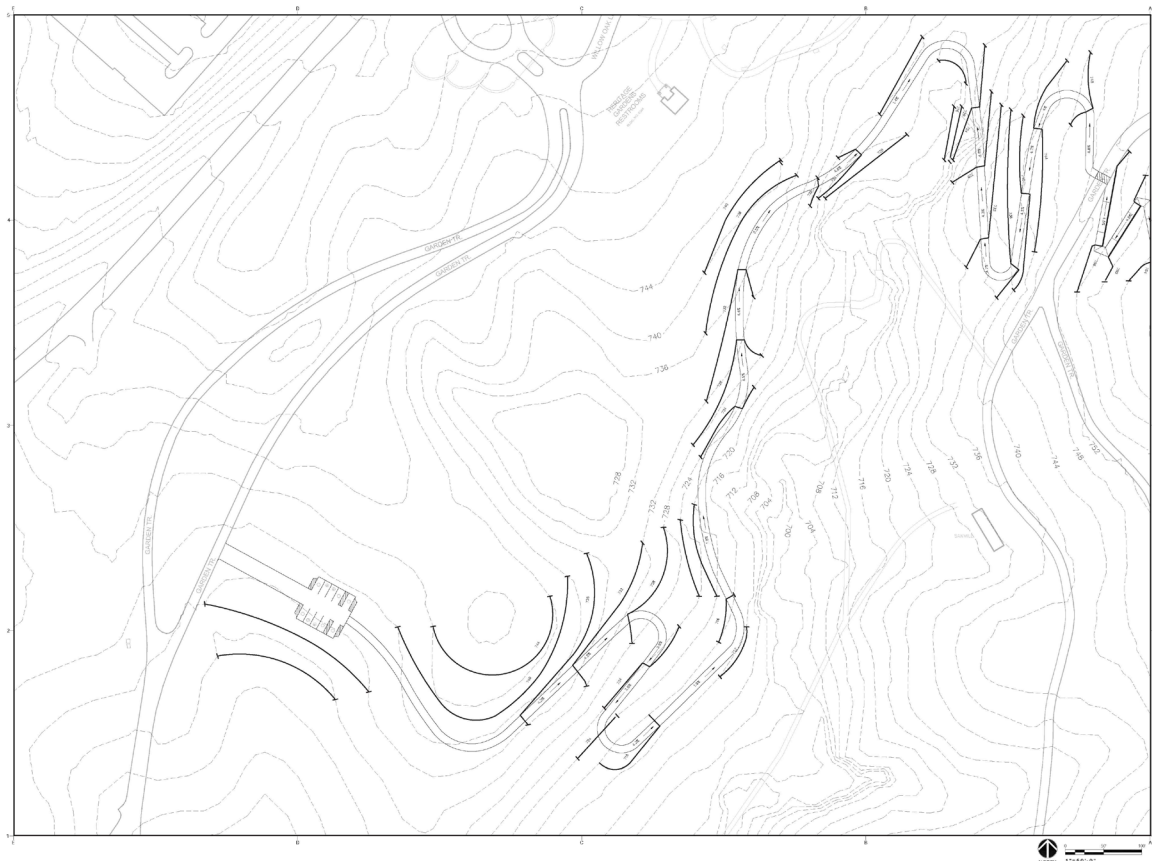
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DATE	REASON

GRADING PLAN

L- 3.00



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BOTANICAL GARDENS
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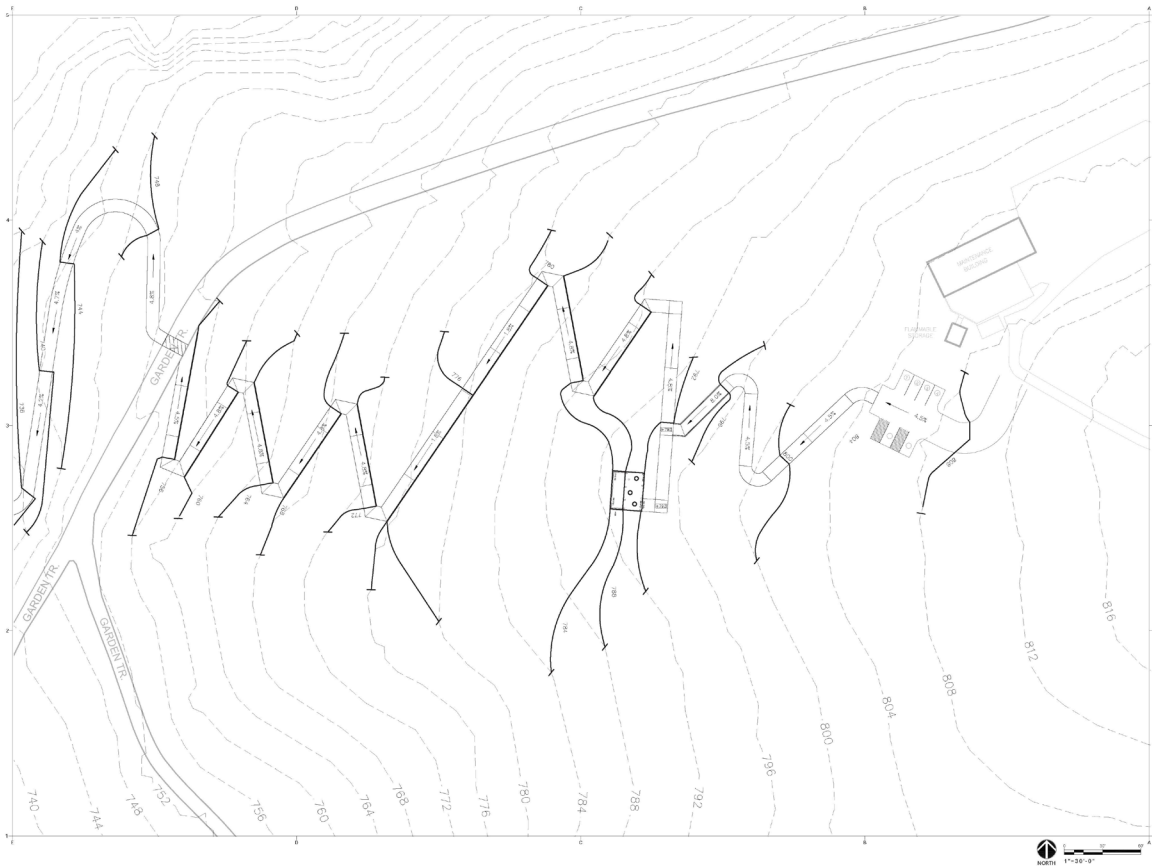
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L- 3.01



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CLEMSON, SC

50% CD, SET

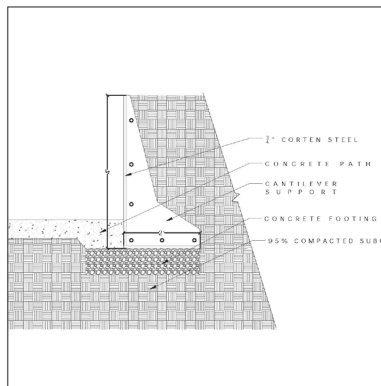
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CONSTRUCTION

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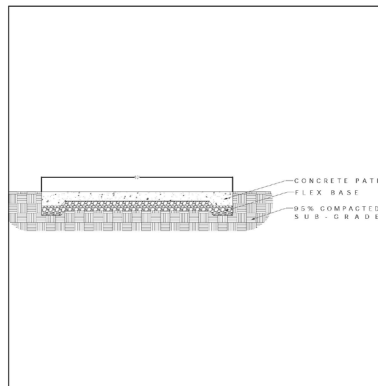
DATE	REVISION

SITE PLAN

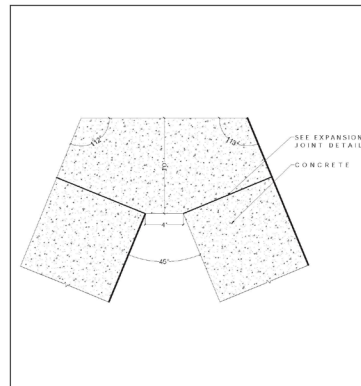
L- 3.02



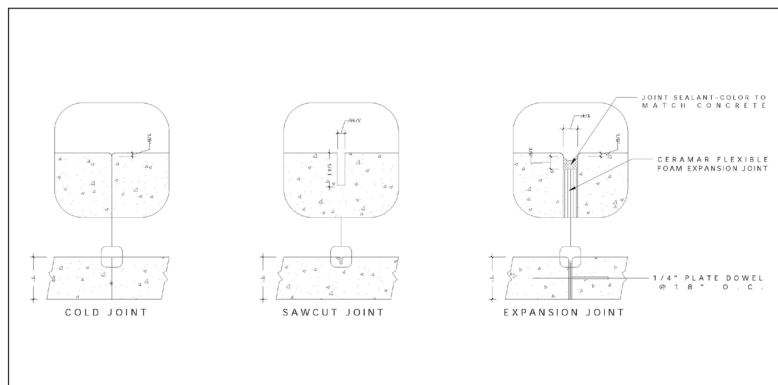
D CANTILEVER RETAINING WALL
1"=1'-0"



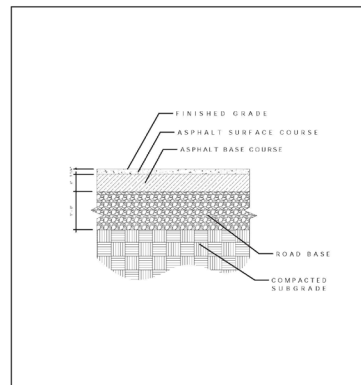
C CONCRETE PATH
1/2"=1'-0"



B CONCRETE PATH CORNER
1/4"=1'-0"



E CONCRETE JOINTS
1-1/2"=1'-0"



A PARKING LOT ASPHALT
1"=1'-0"



GRAVE STUDIO
LEE III
CLEMSON
SC 29631

DESIGN IMP III
LEE III CLEMSON, SC 29631
PROJECT #: 01462023

BOTANICAL GARDENS
CLEMSON, SC

50% CD, SET

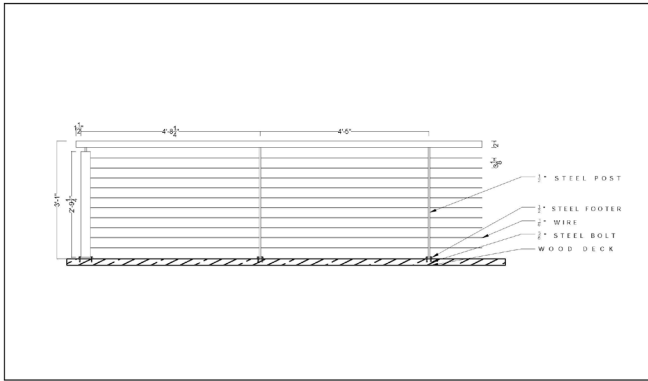
NOT FOR
CONSTRUCTION

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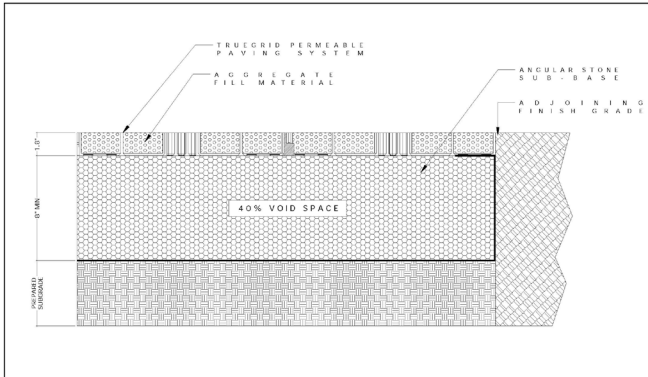
DATE	REVISION

HARDSCAPE DETAILS

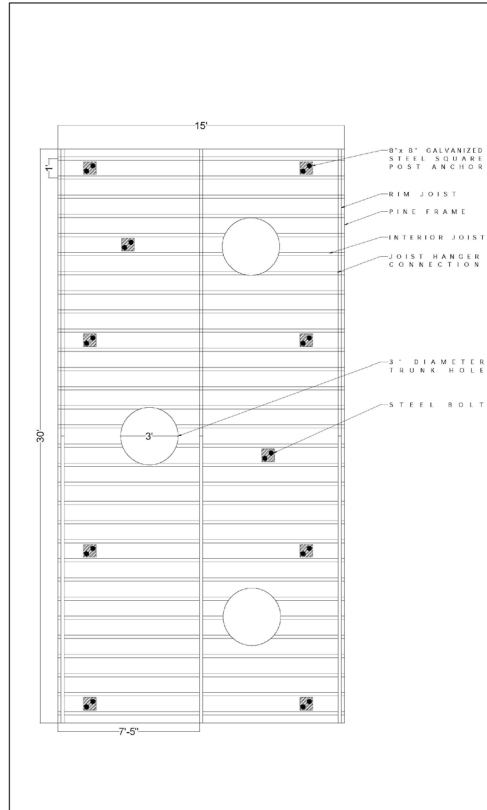
L- 4.01



B WIRE DECK RAILING
1"-1'-0"



C PERMEABLE PAVER SECTION VIEW
1"-1'-0"



A STRUCTURE PLAN VIEW
1"-1'-0"



GRAVE STUDIO
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SC 29631

DESIGN IMP III
LEE III CLEMSON, SC 29631
PROJECT #: 01462023

BOTANICAL GARDENS
CLEMSON, SC

50% C.D. SET

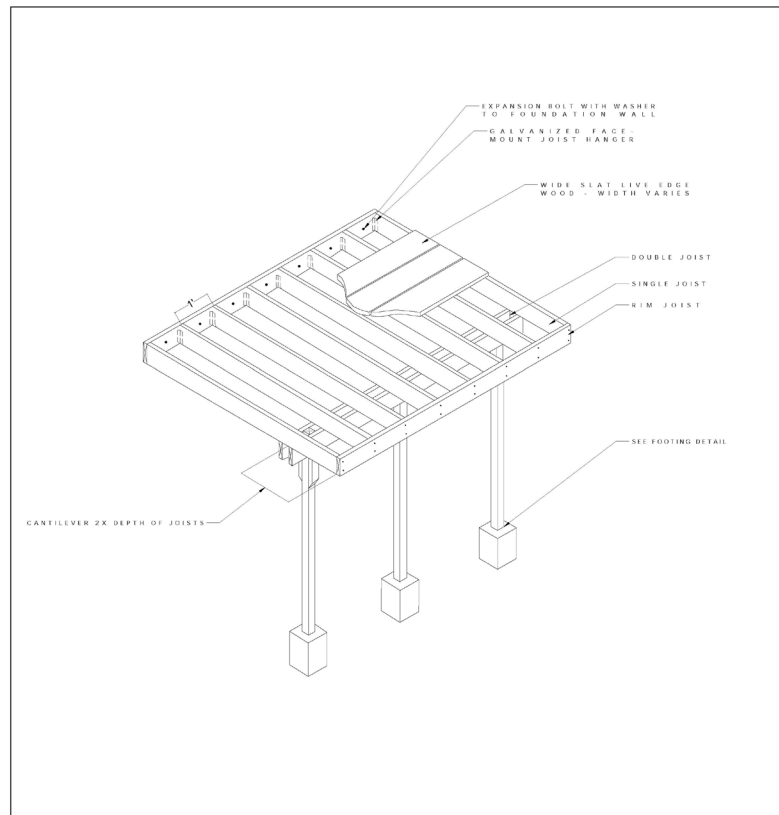
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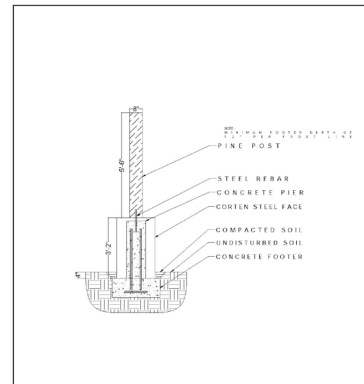
DATE	REASON

HARDSCAPE DETAILS

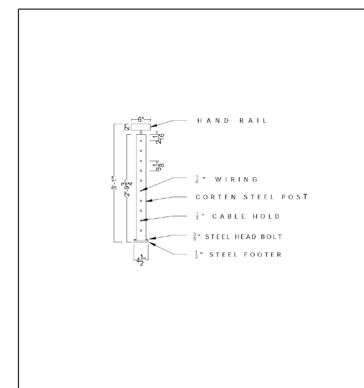
L- 4.02



C STRUCTURE AXON VIEW
1"-1'-0"



B TIMBER FRAME DECK POST
1/2"-1'-0"



A CORNER RAILING DECK POST
1"-1'-0"



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LEE III CLEMSON, SC 29631
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CLEMSON, SC

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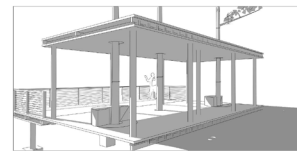
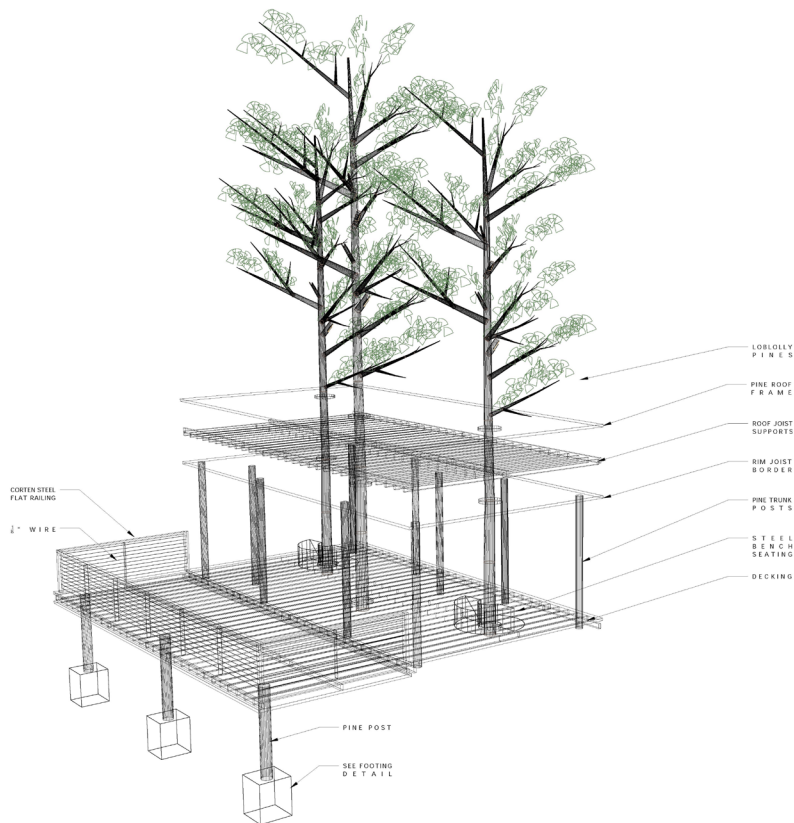
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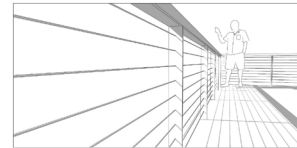
DATE	REASON

HARDSCAPE DETAILS

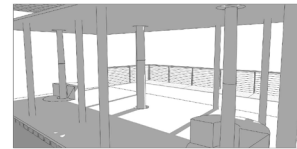
L- 4.03



LOBLOLLY LOOKOUT ENTRY PERSPECTIVE



WIRE-STEEL DECK RAILING PERSPECTIVE



COVERED SEATING AREA PERSPECTIVE



NORTH-FACING SOUTH END PERSPECTIVE



GRAVE STUDIO
LEE III
CLEMSON, SC 29631
DESIGN IMP III
LEE III CLEMSON, SC 29631
PROJECT #: 01462023

BOTANICAL GARDENS
CLEMSON, SC

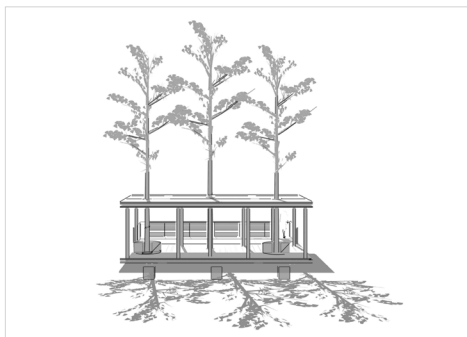
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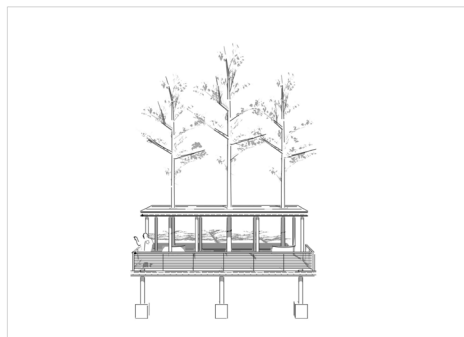
REVIEWED BY:	DATE	REVISION

HARDSCAPE DETAILS

L- 4.04



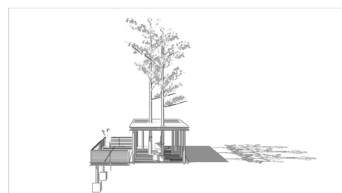
LOBLOLLY ENTRANCE VIEW



LOBLOLLY LOOKOUT VIEW



LOBLOLLY TOP VIEW



LOBLOLLY SOUTH VIEW



LOBLOLLY NORTH VIEW



GRAVE STUDIO
LEE III
CLEMSON, SC 29631
DESIGN IMP III
LEE III CLEMSON, SC 29631
PROJECT #: 01462023

BOTANICAL GARDENS
CLEMSON, SC

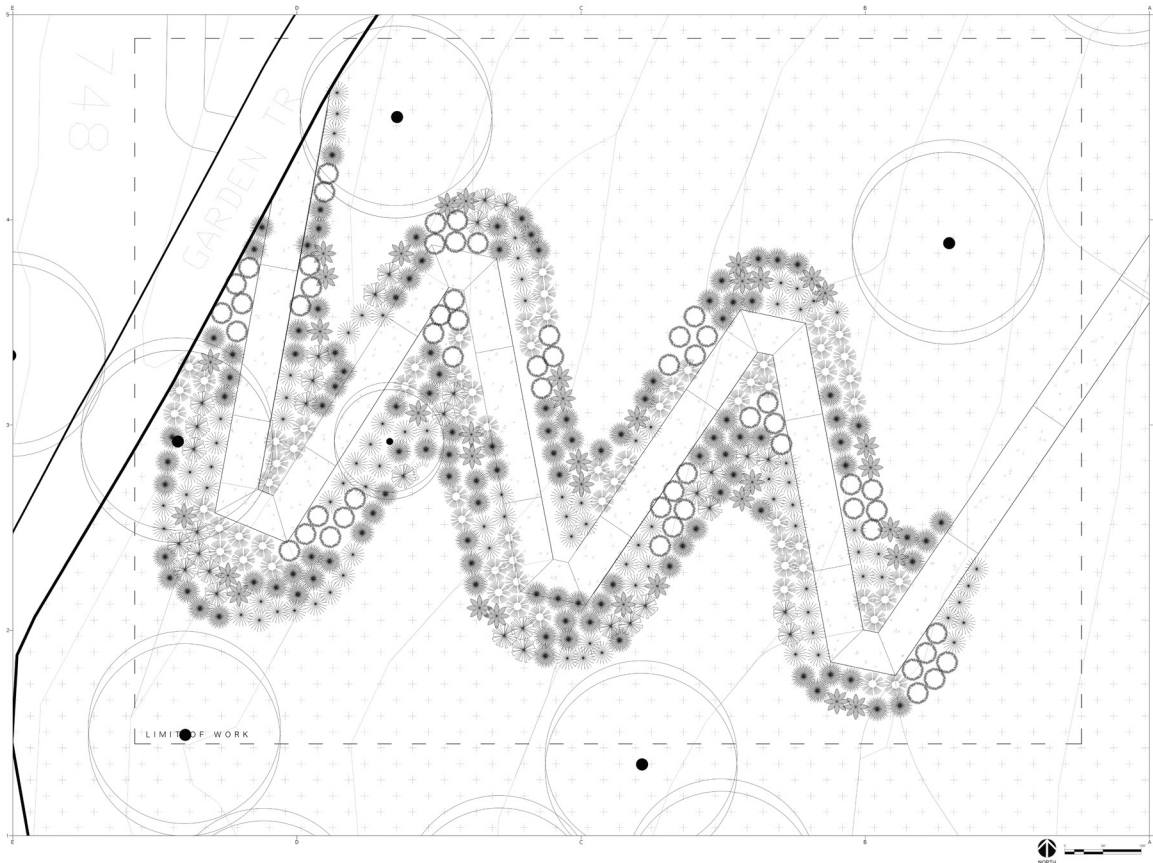
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NOT FOR CONSTRUCTION

REVIEWED BY:	DATE	REVISION

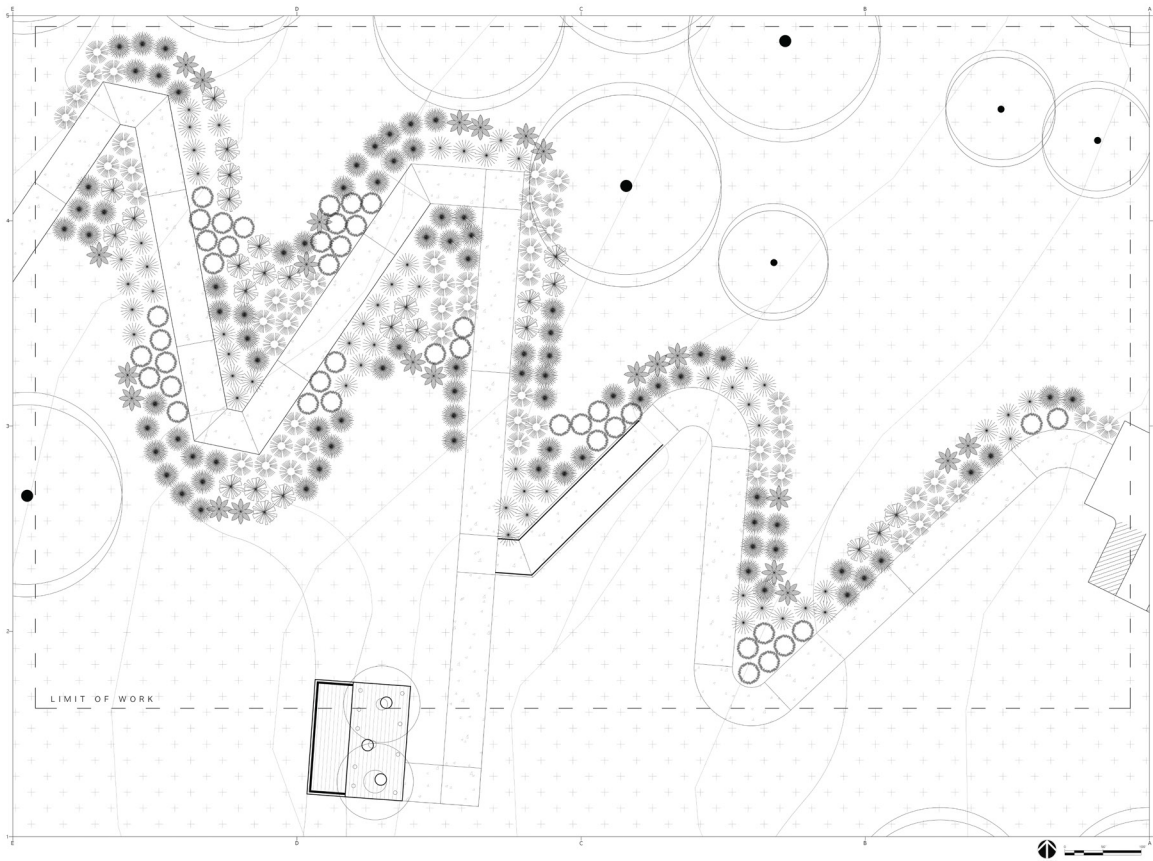
HARDSCAPE DETAILS

L- 4.05



GRAVE STUDIO
 LEE III
 CLEMSON
 SC 29631
 DESIGN IMP III
 LEE III CLEMSON, SC 29631
 PROJECT #: 01462023

BOTANICAL GARDENS
 CLEMSON, SC



GRAVE STUDIO
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BOTANICAL GARDENS
 CLEMSON, SC



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BOTANICAL GARDENS
CLEMSON, SC

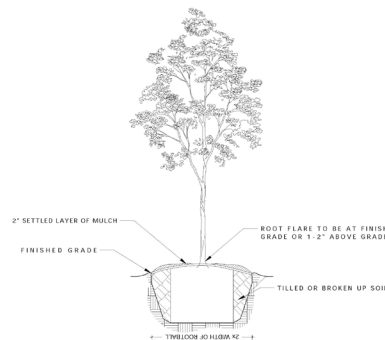
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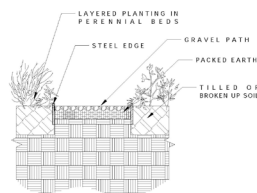
REVIEWED BY:
DATE: REVISION:

PLANTING PLAN
ENLARGEMENT
L- 5.00

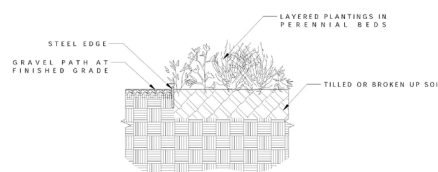
PLANT SCHEDULE							
PLANT QTY.	PLANT SYM.	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	TYPE	BLOOM TIME
59		<i>Agastache scrophulariifolia</i>	Giant Purple Hyssop	2'-4'	1.5' - 3'	Perennial	June - Sept.
103		<i>Conoclinium coelestinum</i>	Blue Mistflower	1.5' - 3'	1.5' - 3'	Perennial	July - Nov.
143		<i>Coreopsis auriculata</i>	Lobed Tickseed	1'-2'	1.5' - 2'	Perennial	March - May
99		<i>Erigeron strigosus</i>	Prairie Fleabane	2'-3'	1'-2'	Perennial	April - Oct.
202		<i>Panicum virgatum</i>	Switchgrass	3'-6'	2'-3'	Perennial	Aug. - Nov.
3		<i>Pinus taeda</i>	Loblolly Pine	60' - 90'	20' - 40'	Canopy	July - Nov.
56		<i>Saccharin giganteum</i>	Giant Plumegrass	3'-8'	3'-6'	Perennial	Aug. - Nov.
N/A		Existing Trees		N/A	N/A	Canopy	N/A
Seed Mix		Urban Farmer South Carolina Native Wildflower Mix		N/A	N/A	Groundcover	N/A



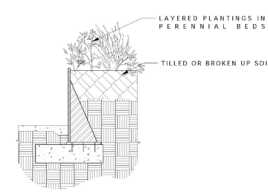
B CONTAINER- 4" CALIPER OR SMALLER



D PACKED EARTH PATH AND PLANTINGS



C PERENNIAL PLANTING BED



A WALL SECTION WITH PLANTING BED

GRAVE STUDIO
LEE III
CLEMSON
SC 29631
DESIGN IMP III
LEE III CLEMSON, SC 29631
PROJECT #: 01462023

BOTANICAL GARDENS
CLEMSON, SC

50% CD SET

NOT FOR
CONSTRUCTION

REVIEWED BY:
DATE: REVISION:

PLANTING DETAILS
AND SCHEDULE
L- 5.04

FINLEY DESIGNS

323 Fenrow St. Clemson SC 29631

Project Title

Crescent Park

Issue Title

100% CD SET

Issue / Addenda / Revisions

Issue	Description
100001	ISSUE_FOR_BID

Seal

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NAME OF
LANDSCAPE ARCHITECT
STATE LIC. #

Drawing Title

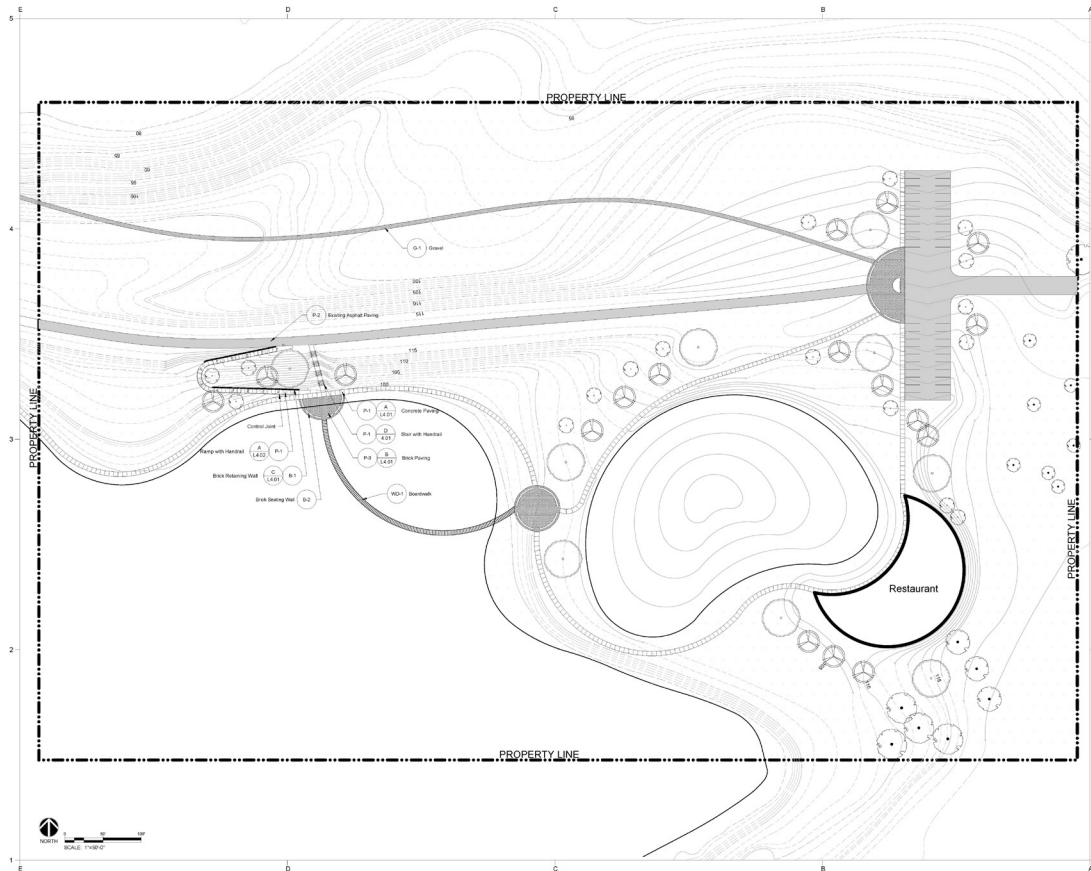
HARDSCAPE
PLAN

Issue Date: 12/06/21
Project No: 21001
Reviewed By: REV_BY
Drawn By: HANNAH FINLEY

Sheet No.

L2.00

NOT FOR
CONSTRUCTION



FINLEY DESIGNS

323 Fenrow St. Clemson SC 29631

Project Title

Crescent Park

Issue Title

100% CD SET

Issue / Addenda / Revisions

Issue	Description
100001	ISSUE_FOR_BID

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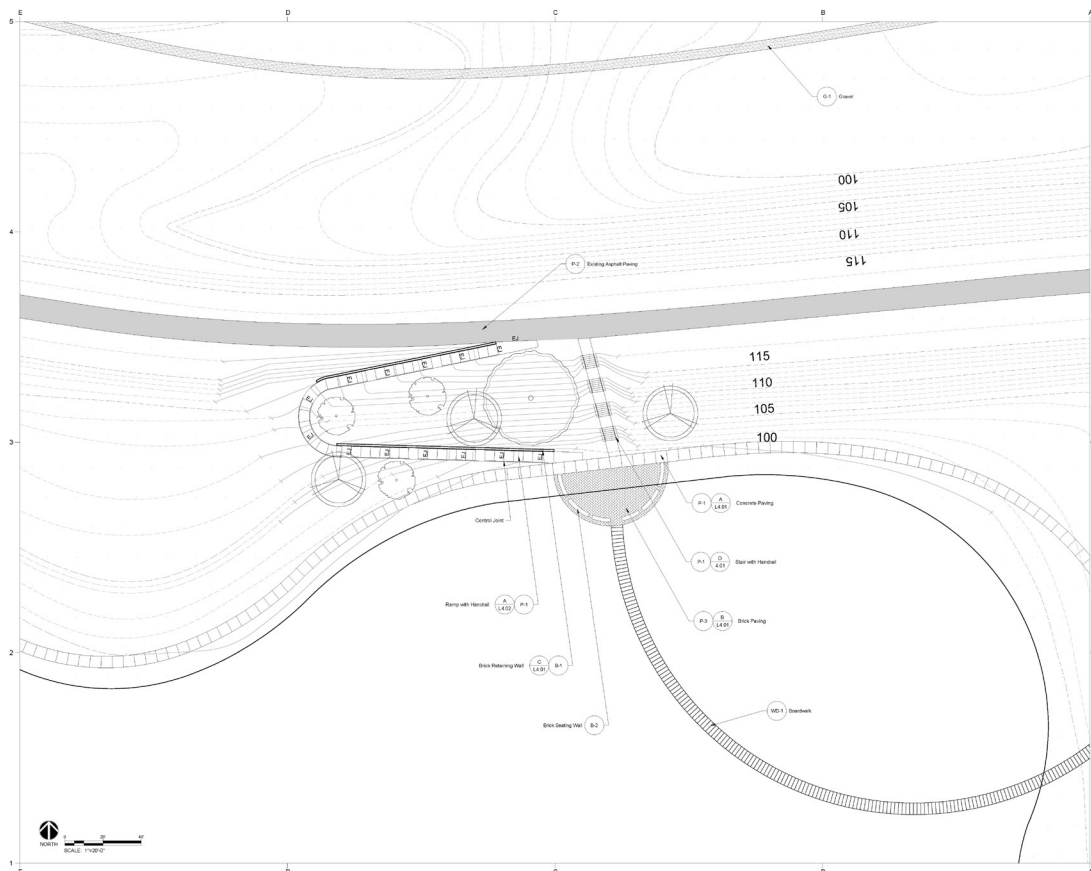
HARDSCAPE
PLAN ENLARGEMENT

Issue Date: 12/06/21
Project No: 21001
Reviewed By: REV_BY
Drawn By: HANNAH FINLEY

Sheet No.

L2.01

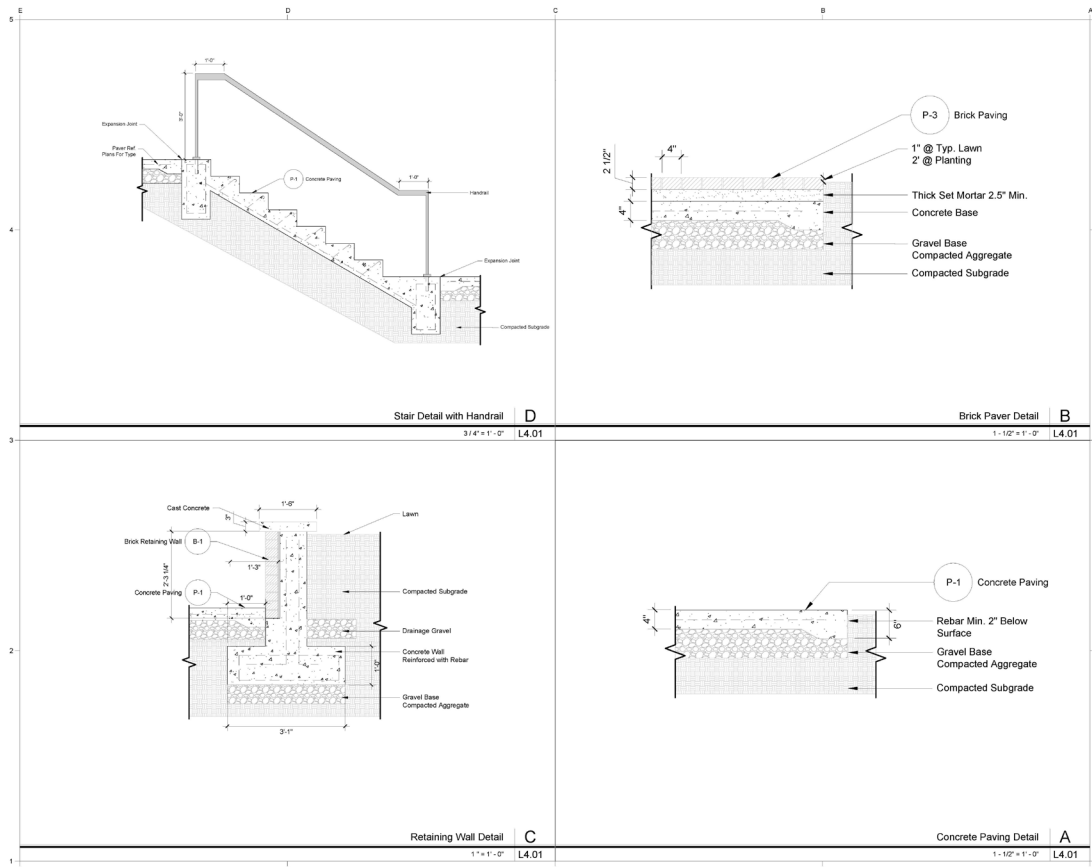
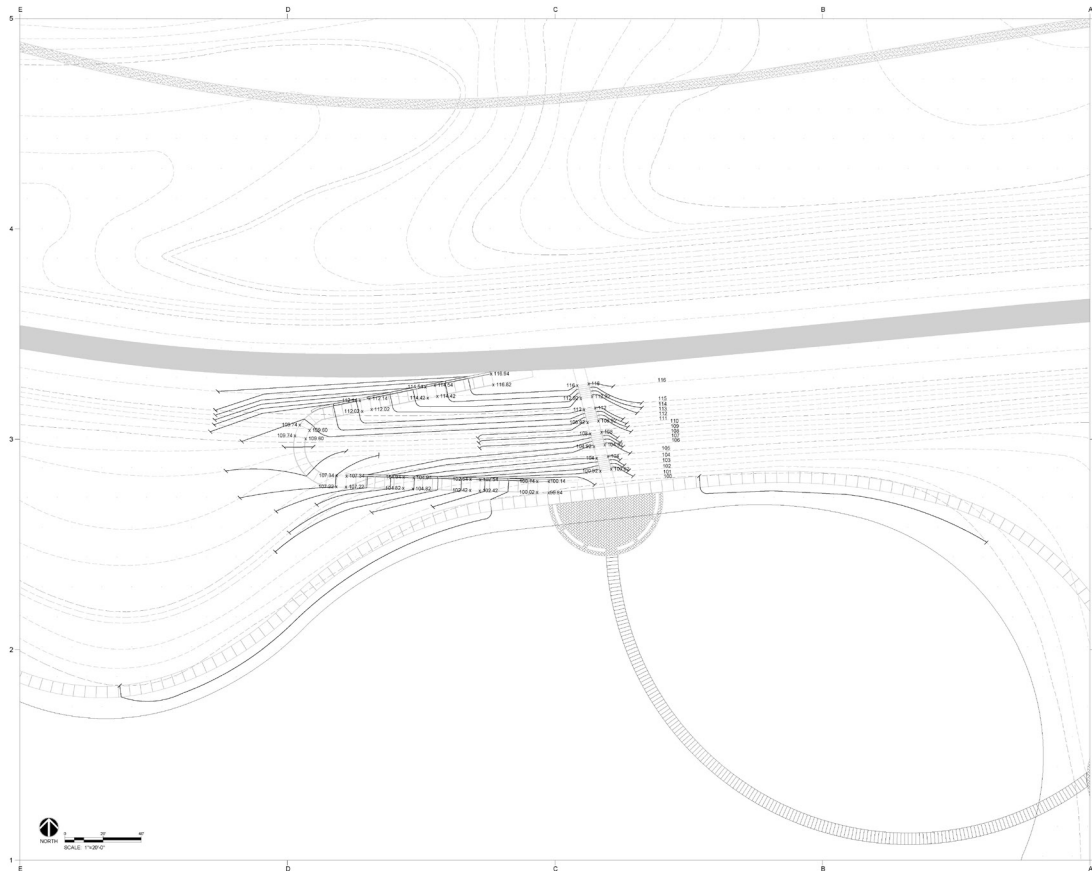
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CONSTRUCTION



Date	Description
12/06/21	ISSUE FOR BID

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NAME OF LANDSCAPE ARCHITECT
STATE LIC. #

Issue Date: 12/06/21
Project No: 21001
Reviewed By: REV_BY
Drawn By: HANNAH FINLEY



Date	Description
12/06/21	ISSUE FOR BID

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NAME OF LANDSCAPE ARCHITECT
STATE LIC. #

Issue Date: 12/06/21
Project No: 21001
Reviewed By: REV_BY
Drawn By: HANNAH FINLEY

Crescent Park

Issue Title

100% CD SET

Issue / Addenda / Revisions

[illegible]

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NAME OF
LANDSCAPE ARCHITECT
STATE LIC. #

Drawing Title

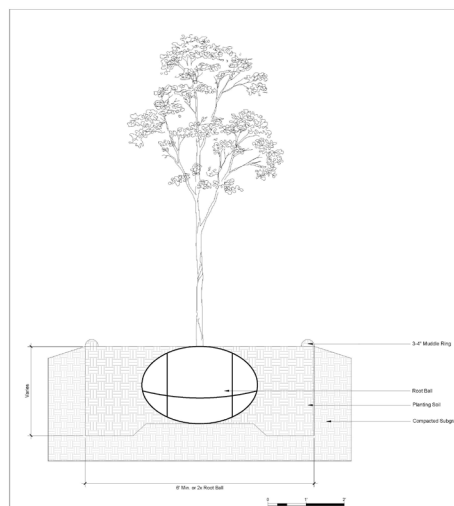
PLANTING_DETAILS
AND_SCHEDULE

Issue Date: 12/06/21
Project No: 21001
Reviewed By: REV_BY
Drawn By: HANNAH_FINLEY

Sheet No. _____

L5.02
NOT FOR
CONSTRUCTION

PLANT LEGEND:

[illegible]

Terraces

Clemson University
323 Fernow Street
Clemson, SC 29631

GHM
DESIGN

Designed By:
GHM DESIGN
323 FERNOW STREET
CLEMSON, SC 29631

Project Client:
CLEMSON UNIVERSITY
PROJECT DESCRIPTION
CLEMSON, SC 29631

(REAL)

1	DESCRIPTION	YYYYMMDD
No.	Revision/Date	Date

Project:
Terraces
Date:
2022/10/20
Scale:
1"=30'

Sheet:
COVER SHEET

L0.00
NOT FOR CONSTRUCTION

SHEET INDEX

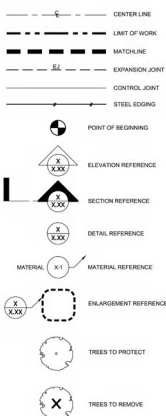
L0.01 - GENERAL NOTES & MATERIALS LEGEND
L1.01 - DEMOLITION PLAN
L2.01 - SITE LAYOUT & MATERIALS PLAN
L3.01 - SITE GRADING PLAN
L4.01 - HARDSCAPE DETAILS
L5.01 - SITE PLANTING PLAN
L5.02 - PLANTING DETAILS AND SCHEDULE

Drawings Issued

100% SD SUBMITTAL 02.02.2021
75% SD SUBMITTAL 02.02.2021
50% SD SUBMITTAL 02.02.2021

SYMBOLS LEGEND:

GENERAL



ABBREVIATIONS

AD = AREA DRAIN
BW = BOTTOM OF WALL
CD = CATCH BASIN
CL = CENTER LINE
EJ = EXPANSION JOINT
HP = HIGH POINT
LP = LOW POINT
PA = PLANTING AREA
POB = POINT OF BEGINNING
TC = TOP OF CURB
TS = TOP OF FOOTING
TX = TREE (EXISTING)
TY = TOP OF WALL

GENERAL NOTES:

1. WRITTEN DIMENSIONS PREVAIL OVER SCALED DIMENSIONS. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
2. THE CONTRACTOR BEARS ALL RESPONSIBILITY FOR VERIFYING ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO CONSTRUCTION. ANY DAMAGE TO UTILITIES THAT ARE TO REMAIN SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER. LANDSCAPE ARCHITECT ASSURES NO RESPONSIBILITY FOR ANY NOT SHOWN ON PLANS.
3. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
4. ALL PROPOSED AND FINISHED GRADES ARE BASED ON INFORMATION PROVIDED BY THE OWNER'S SURVEY AND/OR CIVIL ENGINEER. ANY DISCREPANCIES IN ACTUAL FIELD MEASUREMENTS ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.
5. PRIOR TO COMMENCEMENT OF HARDSCAPE CONSTRUCTION, ALL PERIS, FOOTINGS, AND WALLS ARE TO BE SURVEYED, LAYOUT, AND STAKED IN FIELD FOR REVIEW BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEMOLITION, ADJUSTMENTS, OR RECONSTRUCTION RESULTING FROM INCORRECT LAYOUT.
6. CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED BY LANDSCAPE ARCHITECT ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTORS ARE TO BID THEIR OWN VERIFIED QUANTITIES. NOTIFY LANDSCAPE ARCHITECT AT ANY DISCREPANCIES.
7. EASEMENTS, SETBACKS, BUILDING, CURB AND GUTTER, UNDERGROUND UTILITIES HAVE BEEN SUPPLIED TO LANDSCAPE ARCHITECT BY THE PROJECT CIVIL ENGINEER. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFORMATION.
8. STUDIO OUTSIDE ASSUMES NO RESPONSIBILITY FOR DAMAGES, LIABILITIES, OR COST RESULTING FROM CHANGES OR ALTERATIONS MADE TO THE PLAN WITHOUT THE EXPRESS WRITTEN CONSENT OF STUDIO OUTSIDE.
9. THIS PROJECT IS SEEKING SITES GOLD OR PLATINUM CERTIFICATION. SITES REQUIREMENTS ARE INCLUDED IN THE CONSTRUCTION DRAWINGS AND SECTION 01113 SUSTAINABLE DESIGN REQUIREMENTS.

PLANTING NOTES:

1. CONTRACTOR SHALL STAKE OUT ALL TREE LOCATIONS IN FIELD FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
2. PLANTING BEDS SHALL BE STAKED FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO EXCAVATION AND BED PREP.
3. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE LANDSCAPE ARCHITECT OF ANY CONDITION FOUND ON THE SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS.
5. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AND MUST BE REPLACED WITH PLANT MATERIAL OF SAME VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.
6. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING AND REMOVAL OF DEBRIS PRIOR TO PLANTING IN ALL AREAS.
7. FINAL FINISH GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL TOPSOIL REQUIRED TO CREATE A SMOOTH CONDITION PRIOR TO PLANTING.
8. ALL PLANT QUANTITIES LISTED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE FULL COVERAGE IN ALL PLANTING AREAS AS SPECIFIED IN THE PLANT SCHEDULE AND VERIFY ALL QUANTITIES.
9. REFER TO PLANS FOR STEEL EDGING LAYOUT / LOCATIONS.
10. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS AND SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS. ANY NEW PLANT MATERIAL SHALL BE SUBMITTED FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
11. CONTRACTOR IS REQUIRED TO PERFORM A PERCOLATION TEST FOR EACH TREE 1" PRIOR TO INSTALLATION. IF DRAINAGE DOES NOT OCCUR WITHIN 24 HOURS THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A DRAIN, SLUMP, FILTER FABRIC, AND STAKE PIPE. ALL SLUMPS SHOULD BE INCLUDED IN THE BASE BID AND PROVIDED AS A DEDUCT ALTERNATE IF NOT REQUIRED AFTER THE PERCOLATION TEST IS PERFORMED.
12. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION WITH OTHER CONTRACTORS ON SITE AS REQUIRED TO ACCOMPLISH ALL PLANTING OPERATIONS.
13. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL PLANTING AREAS. OVER SPRAY ON STREETS AND WALKS IS PROHIBITED.
14. ALL VEGETATION MUST MEET SITES REQUIREMENTS AND BE GROWN WITHIN 200 MILES OF THE PROJECT.

CONCRETE NOTES:

1. CAST IN PLACE CONCRETE SHALL MEET THE FOLLOWING REQUIREMENT:
 - MINIMUM 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
 - AGGREGATES ASTM C33, MAXIMUM # 42 SIZE.
 - SLUMP 1 TO 3 INCHES.
 - AIR CONTENT + TO 4 PERCENT BY VOLUME.
2. CONCRETE FINISHES:
 - PRECAST/STAIR AREAS - 1" THICK.
 - VERTICAL AREAS - REF. CIVIL ENG. DWGS.
3. CONCRETE REINFORCING:
 - 1" TH - 4" O.C. @ 30" O.C. BOTH WAYS.
 - VERTICAL AREAS - REF. CIVIL ENG. DWGS.
4. SAW CUT JOINTS TO BE PLACED AS INDICATED ON PLANS TO A MINIMUM 2" DEPTH.
5. EXPANSION JOINTS:
 - PLACE AT MAXIMUM OF 30' O.C. AND COORDINATE WITH OVERALL PAVING PATTERN AND SAW JOINTS.
 - PROVIDE 1" W/ SMOOTH DONNELS AT MAXIMUM 1" ON CENTER. COAT ONE END OF DONNEL TO PREVENT SINK.

EROSION CONTROL NOTES:

1. IN AREAS THAT EXCEED A 3:1 SLOPE, CONTRACTOR TO PROVIDE BIOERODABLE EROSION CONTROL MAT.

LIGHTING:

1. ALL LIGHTING SYMBOLS ARE SHOWN FOR COORDINATION AND REFERENCE ONLY. REFER TO ARCHITECTURAL AND ELECTRICAL DRAWINGS / SPECIFICATIONS FOR FUTURE TYPES, INSTALLATION DETAILS, AND ENGINEERING.

ROADWAYS + BOUNDARIES:

ALL ROADWAYS, CURBS, PROPERTY LINES, PLAT LINES, AND BOUNDARIES ARE SHOWN FOR COORDINATION AND REFERENCE ONLY. REFER TO CIVIL ENGINEER DRAWINGS.

UTILITIES:

ALL UTILITIES ARE SHOWN FOR COORDINATION AND REFERENCE ONLY. REFER TO CIVIL ENGINEER DRAWINGS.

TREE PROTECTION NOTES:

SHOP DRAWING, SAMPLES, MOCK-UPS:

	CUT SHEETS	PHOTOS	SHOP DWGS	SAMPLE	MOCK-UP
CONCRETE					
GRAVEL / RECYCLED CONCRETE					
LANDSCAPE MULCH / TOP SOIL					
DRAINS					
METAL					
WOOD					

- THE ABOVE LIST IS PROVIDED FOR REFERENCE AND MAY NOT BE COMPLETE. REFER TO SPECIFICATIONS FOR ALL SUBMITTAL REQUIREMENTS.
- ALL MOCK-UPS MUST BE IN PLACE.



GHM
DESIGN

Designed By:
GHM DESIGN
323 FERNOW STREET
CLEMSON, SC 29631

Project Client:
CLEMSON UNIVERSITY
PROJECT DESCRIPTION
CLEMSON, SC 29631

(REAL)

1	DESCRIPTION	YYYYMMDD
No.	Revision/Date	Date

Project:
Terraces
Date:
2022/10/20
Scale:
1"=30'

Sheet:
GENERAL NOTES SHEET

L0.01
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General Notes

GHM DESIGN

Designed By:
GHM DESIGN
333 FERNOW STREET
CLEMSON, SC 29631

Project Client:
CLEMSON UNIVERSITY
PROJECT DESCRIPTION
CLEMSON, SC 29631

(SEAL)

1	DESCRIPTION	DATE
No.	Revision/Issue	Date

Project
Terrace

Date
2022/10/30

Scale
1"=30'

Sheet
DEMOLITION PLAN

L1.01
NOT FOR CONSTRUCTION

811

Know what's below.
Call before you dig.



General Notes

PAVING

- P-1 CONCRETE PAVING
INTERNAL COLOR: NATURAL GRAY
FINISH: LIGHT BROOM
THICKNESS: 8" SAW CUT
- P-2 STONE PAVING
INTERNAL COLOR: LIGHT GRAY
SIZE: 3" x 6"
- P-3 STONE BREAKER PAVING
INTERNAL COLOR: LIGHT GRAY
SIZE: 12" x 14"

CONCRETE

- C-1 REINFORCED WALL CONCRETE
INTERNAL COLOR: NATURAL GRAY
FINISH: POLISHED
THICKNESS: SEE DETAILS
JOINT: EXPANSION JOINTS

METAL

- M-1 STAINLESS STEEL ROD
FINISH: POLISHED
THICKNESS: 4" DIAMETER

GHM DESIGN

Designed By:
GHM DESIGN
333 FERNOW STREET
CLEMSON, SC 29631

Project Client:
CLEMSON UNIVERSITY
PROJECT DESCRIPTION
CLEMSON, SC 29631

(SEAL)

1	DESCRIPTION	DATE
No.	Revision/Issue	Date

Project
Terrace

Date
2022/10/30

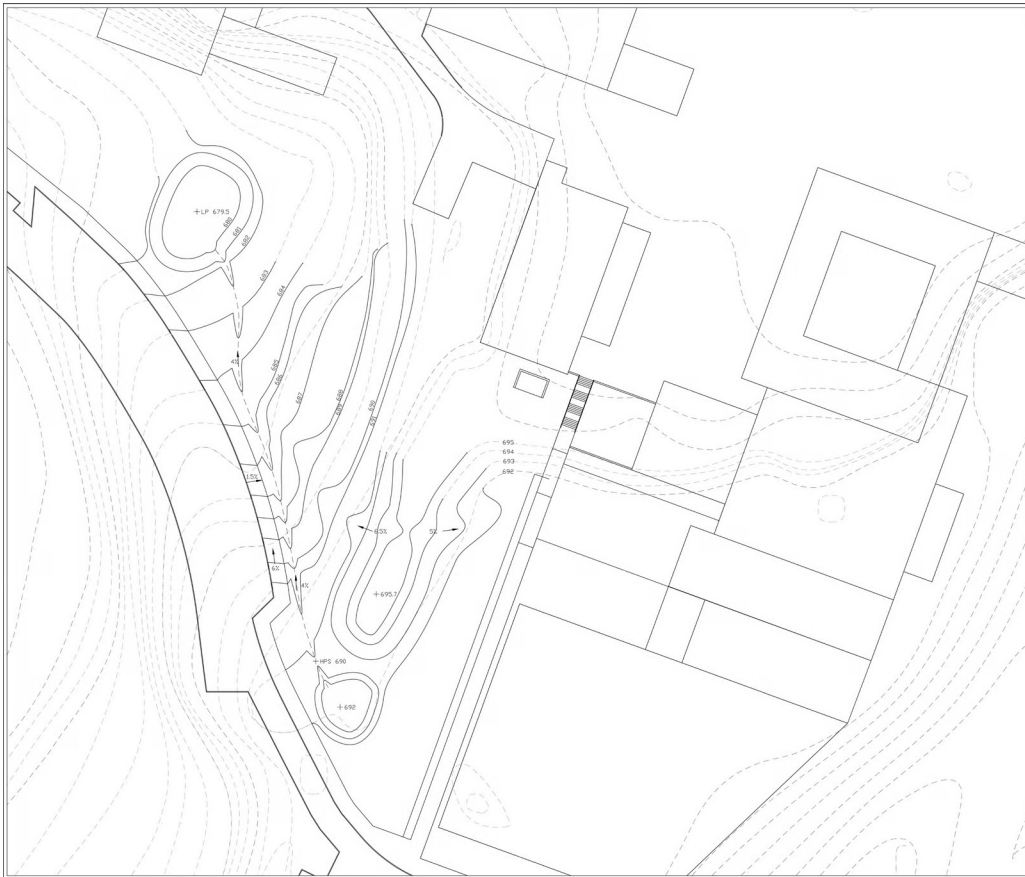
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Sheet
HARDSCAPE PLAN

L2.01
NOT FOR CONSTRUCTION

811

Know what's below.
Call before you dig.



General Notes

GHM DESIGN

Designed By:
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300 FERNOW STREET
CLEMSON, SC 29631

Project/Client:
CLEMSON UNIVERSITY
PROJECT DESCRIPTION
CLEMSON, SC 29631

(SEAL)

1	DESCRIPTION	YYMMDD
No.	Revision/Issue	Date

Project
Terrace

Date
2022/10/30

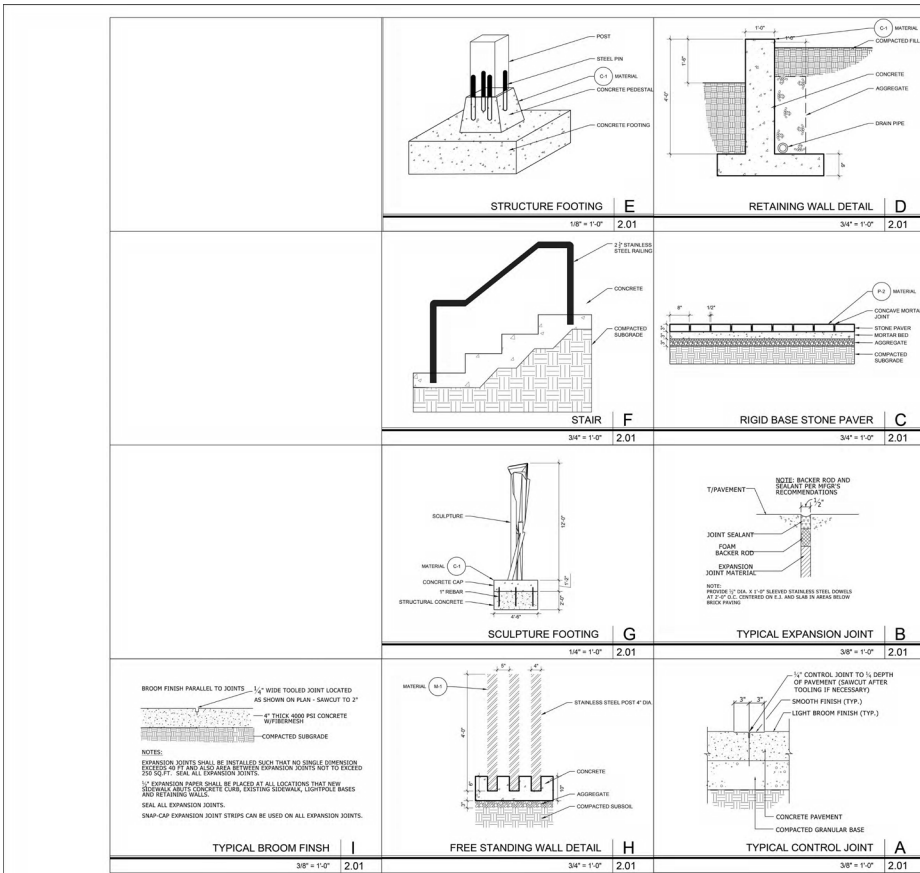
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GEOSING PLAN

L3.01
NOT FOR CONSTRUCTION

811

Know what's below.
Call before you dig.



General Notes

GHM DESIGN

Designed By:
GHM DESIGN
300 FERNOW STREET
CLEMSON, SC 29631

Project/Client:
CLEMSON UNIVERSITY
PROJECT DESCRIPTION
CLEMSON, SC 29631

(SEAL)

1	DESCRIPTION	YYMMDD
No.	Revision/Issue	Date

Project
Terrace

Date
2022/10/30

Scale
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Sheet
HARDSCAPE DETAILS

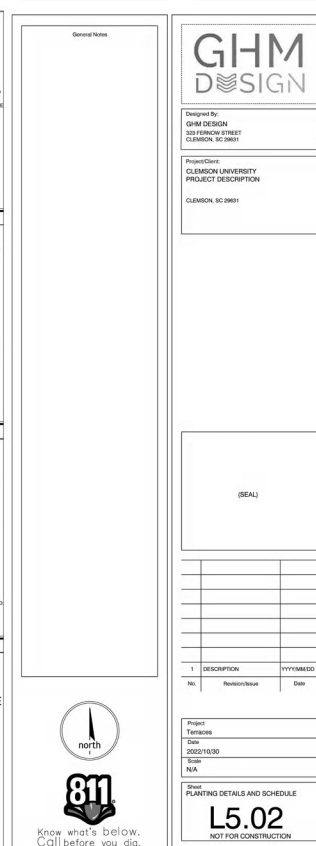
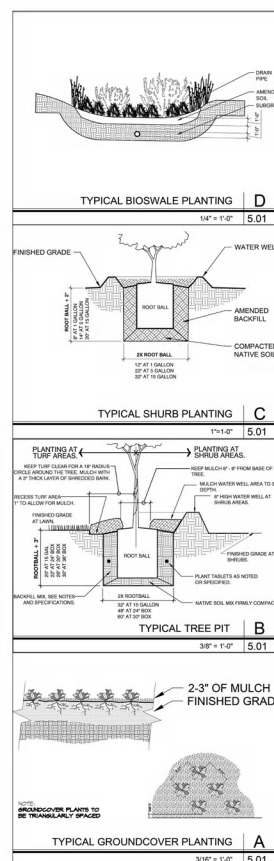
L4.01
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811

Know what's below.
Call before you dig.



PLANT SCHEDULE						
TREES	CODE	BOTANICAL / COMMON NAME	CONT	GAL		QTY
	ACE BLE	Acer buergerianum / Trident Maple	B4B	5" cal		21
	CAR OVA	Carya ovata / Shagbark Hickory	B4B	4" cal		1
	HAL CAR	Halesia carolina / Silverbell	B4B	3" cal		1
	TAX DIS	Taxodium distichum / Bald Cypress	B4B	5" cal		1
SHRUBS	CODE	BOTANICAL / COMMON NAME	CONT			
	CON RYM	Conoclinium coelestinum 'Mayday' / Mayday Wild Aster	1 gal			22
	FOT MAJ	Fothergilla major 'Mount Airy' / Mount Airy Fothergilla	1 gal			14
	HYD PIL	Hydrangea arborescens / Wild Hydrangea	1 gal			5
	HYD RID	Hydrangea quercifolia 'Queen of Hearts' / Queen of Hearts Oakleaf Hydrangea	3 gal			20
	ILE INK	Ilex glabra 'Compacta' / Compact Inkberry	1 gal			18
	PHY INC	Pycnanthemum incanum / Hoary Mountain Mint	1 gal			24
	SYM PAT	Symphoricarpos patens / Late Purple Aster	1 gal			32
SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING		
	AND GER	Andropogon gerardi / Big Bluestem 20% of area	4" plug	12" o.c.	6,154 sf	
	AND VIR	Andropogon virginicus / Broomsedge Bluestem 40% of area	4" plug	24" o.c.	32,260 sf	
	CAR APL	Carex appalachica / Appalachian Sedge	3" plug	12" o.c.	18,304 sf	
	CAR HAT	Carex pennsylvanica 'Straw Hat' / Straw Hat Pennsylvania Sedge	3" plug	12" o.c.	17,726 sf	
	MH FFW	Muhlenbergia capillaris 'Fast Forward' / Fast Forward Pink Muhly Grass	3 gal	18" o.c.	2,520 sf	
	PAN NOR	Panicum virgatum 'Northwind' / Northwind Switch Grass 20% of area	4" plug	24" o.c.	6,154 sf	
	PAN SHO	Panicum virgatum 'Shenandoah' / Shenandoah Switch Grass 10% of area	3" plug	24" o.c.	6,154 sf	
	SOR GDE	Sorghastrum nutans 'Cheyenne' / Cheyenne Indian Grass 10% of area	1 gal	24" o.c.	64,462 sf	
GROUND COVERS	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING		
	CYN LEI	Cynodon dactylon x transvaalensis 'Tifway 414' / Tifway 414 Bermudagrass	5 sd		4,443 sf	
	ECH PEP	Echinacea x 'Purple Emperor' / Purple Emperor Coneflower	3" plug	12" o.c.	623 sf	
	HEL ANS	Helianthus angustifolius / Swamp Sunflower	3" plug	18" o.c.	7,771 sf	
	HEM ABB	Hemerocallis x 'Black Eyed Susan' / Black Eyed Susan Daylily	3" plug	8" o.c.	9,218 sf	



South Carolina Botanical Garden Arboretum Trail

Clemson, SC

Drawings Issued	
100% SD SUBMITTAL	
50% DD SUBMITTAL	
100% DD SUBMITTAL	
100% CD SUBMITTAL	

Sheet Index

L.0.00	COVER SHEET
L.0.01	GENERAL NOTES & MATERIALS LEGEND
L.1.01	TREE PROTECTION PLAN & DEMOLITION PLAN
L.2.00	HARDSCAPE KEY PLAN
L.2.01	HARDSCAPE PLAN
L.2.02	HARDSCAPE PLAN
L.2.03	HARDSCAPE PLAN
L.3.00	GRADING PLAN
L.4.0K	HARDSCAPE DETAILS
L.5.00	LANDSCAPE KEY PLAN
L.5.01	LANDSCAPE PLAN
L.5.02	LANDSCAPE PLAN
L.5.03	LANDSCAPE PLAN
L.5.04	PLANTING SCHEDULE & DETAILS



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90 % CD SET

Notes:

RE:

Project Reference #

No.	Revision	Date
4	10% CD Set Review	2023-12-15
3	10% CD Set Review	2023-11-09
2	10% CD Set Review	2023-11-10
1	Design Review	2023-10-09

Project	Revision/Issue	Date
Prep: Author: Date: 2023/03/15		Sheet COVER SHEET L-0.00

GENERAL NOTES:

1. WARNING!!! CALL BEFORE YOU DIG!!! 866-983-2482

2. WRITE DOWN ALL REVEAL OVER SCALED DIMENSIONS

3. NOTIFY LANDSCAPE ARCHITECT OF ANY CHANGES

4. THE LOCATIONS OF EXISTING UTILITIES AS SHOWN ON PLANS ARE APPROXIMATE AND THERE MAY BE OTHER UNDERGROUND UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

5. ALL PROPOSED AND FINISHED GRASSES ARE BASED ON INFORMATION PROVIDED BY THE OWNERS SURVEY AND/OR CIVIL ENGINEER. ANY DISCREPANCIES IN ACTUAL FIELD MEASUREMENTS ARE TO BE REPORTED TO THE LANDSCAPE ARCHITECT IMMEDIATELY.

6. PRIOR TO COMMENCEMENT OF HARDSCAPE CONSTRUCTION, ALL PERS, FOOTINGS, AND WALLS ARE TO BE SURVEY AND LAYED OUT. ALL STAKES ARE TO BE REVIEWED BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DEMOLITION, ADJUSTMENTS, OR RECONSTRUCTION RESULTING FROM THE INCORRECT LAYOUT.

7. CONTRACTOR IS RESPONSIBLE FOR ALL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED BY LANDSCAPE ARCHITECT ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL VERIFY HIS OWN VERIFIED QUANTITIES. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.

8. FURNITURE, RETICULOS, BUILDING, CURB AND GUTTER, UNDERGROUND UTILITIES HAVE BEEN SUPPLIED TO LANDSCAPE ARCHITECT BY THE PROJECT CIVIL ENGINEER. REFER TO CIVIL ENGINEERS DRAWINGS FOR ADDITIONAL INFORMATION.

9. CONTRACTOR ASSUMES RESPONSIBILITY FOR DAMAGES, LIABILITIES, OR COST RESULTING FROM CHANGES OR OMISSIONS MADE TO THE PLANS WITHOUT THE EXPRESS WRITTEN CONSENT OF STUDIO OUTDO.

10. THIS PROJECT IS SEEKING SITES GOLD OR PLATINUM CERTIFICATION. SITES REQUIREMENTS ARE INCLUDED IN THE CONSTRUCTION DRAWINGS.

CONCRETE NOTES:

1. CAST-IN-PLACE CONCRETE SHALL MEET THE FOLLOWING REQUIREMENT.

1.1. MINIMUM 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS

1.2. AGGREGATES: ASTM C33, MAXIMUM 1" IN SIZE

1.3. SLURRY: 2" MINIMUM

1.4. AIR CONTENT: 4% TO 8 PERCENT BY VOLUME

2. CONCRETE THICKNESS:

2.1. PEDESTRIAN AREAS: 5" THICK

2.2. VEHICULAR AREAS: 8" THICK, CIVIL ENG. DWGS.

3. CONCRETE REINFORCING

3.1. 7" x 7" #5 @ 18" O.C., BOTH WAYS

3.2. VEHICULAR AREAS: REF. CIVIL ENG. DWGS.

4. SAW CUT JOINTS ARE TO BE PLACED AS INDICATED ON PLANS TO A MINIMUM 2' DEPTH.

5. EXPANSION JOINTS

5.1. PLACE AT MAXIMUM OF 30' O.C. AND COORDINATE WITH OVERALL PAVING PATTERN AND SAW JOINTS.

5.2. PROVIDE 18" DIA SMOOTH DOWELS AT MAXIMUM 18" ON CENTER. COAT ONE END OF THE DOWEL TO PREVENT SAND

EROSION CONTROL NOTES:

1. IN AREAS THAT EXCEED A 5:1 SLOPE, CONTRACTOR TO PROVIDE BIO DEGRADABLE EROSION CONTROL MAT

LIGHTING NOTES:

1. ALL LIGHTING SYMBOLS ARE SHOWN FOR COORDINATION AND REFERENCE ONLY. REFER TO ARCHITECTURAL, ELECTRICAL, AND LIGHTING DRAWINGS/SPECIFICATIONS FOR FIXTURE TYPES, INSTALLATION DETAILS AND ENGINEERING.

PLANTING NOTES:

1. CONTACTOR SHALL STAKE OUT ALL TREE LOCATIONS IN FIELD FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.

2. ALL PLANTING BEDS SHALL BE REVIEWED BY LANDSCAPE ARCHITECT PRIOR TO EXCAVATION AND BED PREP.

3. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, STRUCTURES, AND LINE RUNS IN THE FIELD PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL.

4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ADVISE THE LANDSCAPE ARCHITECT OF ANY CONDITION FOUND ON SITE WHICH PROHIBITS INSTALLATION AS SHOWN ON THESE DRAWINGS.

5. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AND MUST BE REPLACED WITH ANY PLANT MATERIAL OF SAME VARIETY AND SIZE IF DAMAGED, DESTROYED, OR REMOVED.

6. LANDSCAPE ARCHITECT SHALL BE RESPONSIBLE FOR FINE GRADING AND REMOVAL OF DEBRIS PRIOR TO PLANTING IN ALL AREAS.

7. FINAL FINISHED GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL TOP SOIL REQUIRED TO CREATE A SMOOTH CONDITION PRIOR TO PLANTING.

8. ALL PLANT QUANTITIES LISTED ARE FOR INFORMATION ONLY. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE FULL COVERAGE IN ALL PLANTING AREAS AS SPECIFIED IN THE PLANT SCHEDULE AND VERIFY ALL QUANTITIES.

9. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS AND SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, LATEST EDITION AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS. ANY PLANT SUBSTITUTION SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE.

10. CONTRACTOR IS REQUIRED TO PERFORM A PERCOLATION TEST FOR EACH TREE PRIOR TO INSTALLATION. IF DRAINAGE DOES NOT OCCUR WITHIN 48 HOURS THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A GRAVEL PERCOLATION FABRIC BASED ON THE PERCOLATION TEST. THIS SHOULD BE INCLUDED IN THE BASE BID AND PROVIDED AS A DIRECT ALTERNATE IF NOT REQUIRED AFTER THE PERCOLATION TEST IS PERFORMED.

11. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH OTHER CONTRACTORS ON SITE AS REQUIRED TO ACCOMPLISH ALL PLANTING OPERATIONS.

12. AN AUTOMATIC IRRIGATION SYSTEM SHALL BE PROVIDED FOR ALL PLANTING AREAS. OVER SPRAY ON STREETS AND WALKS IS PROHIBITED.

13. ALL VEGETATION MUST MEET SITES REQUIREMENTS AND BE PLANT WITHIN 200 FEET OF THE PROJECT.

ROADWAYS & BOUNDARIES:

1. ALL ROADWAYS, CURBS, PROPERTY LINES, PLAT LINES, AND BOUNDARIES ARE SHOWN FOR COORDINATION AND REFERENCE ONLY. REFER TO CIVIL ENGINEER DRAWINGS.

UTILITIES:

1. ALL UTILITIES ARE SHOWN FOR COORDINATION AND REFERENCE ONLY. REFER TO CIVIL ENGINEER DRAWINGS.

TREE PROTECTION NOTES:

1. PRIOR TO COMMENCEMENT OF HARDSCAPE CONSTRUCTION, CONTRACTOR MUST HAVE A LICENSED ARBORIST REVIEW ALL CONDITIONS WHERE EXISTING TREES ARE SUBJECT TO DAMAGE DURING CONSTRUCTION.

2. PLANTING BEDS AND PLANTS AT SITE THAT ARE DESIGNATED TO REMAIN WHERE INDICATED ON DRAWINGS AND AT OTHER LOCATIONS WHERE TREES ARE SUBJECT TO DAMAGE DURING CONSTRUCTION.

3. PROVIDE CHAIN-LINK FENCE BARRIERS TO HEIGHT OF 4 FEET AROUND INDIVIDUAL AND/OR GROUPS OF TREES AND PLANTS AS SHOWN ON PLANS.

4. POST "KEEP OUT" SIGNS ON TREE PROTECTION ZONE (TPZ) FENCING.

5. SUPERVISE EARTHWORK OPERATIONS TO PREVENT DAMAGE TO CRITICAL ROOT ZONE.

6. ASSIGN A MONITOR TO MAINTAIN TPZ FENCING AND TO KEEP IN GOOD CONDITION FOR DURATION OF CONSTRUCTION.

7. HIRE A PROFESSIONAL ARBORIST TO COMPLETE REGULAR TREE MAINTENANCE TASK, INCLUDING WATERING, FERTILIZATION, AND MULCHING TO PROTECT TREE ROOTS.

8. PROTECT ROOT SYSTEM FROM DAMAGE CAUSED BY BUNNIES OR SPRILLAGE OF NOCULUS MATERIAL WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIALS.

9. MINIMIZE ALL TRENCING FOR UNDERGROUND UTILITIES IN AREAS WITH EXISTING TREES.

10. PROTECT ROOT SYSTEM FROM PONDING, EROSION, OR EXCESSIVE WETTING CAUSED BY WATERING OPERATIONS.

11. DO NOT STORE CONSTRUCTION MATERIALS, DEBRIS, OR EXCAVATED MATERIAL INSIDE TPZ.

12. DO NOT PERMIT VEHICLES OR FOOT TRAFFIC WITHIN TREE PROTECTION ZONES. PREVENT SOIL COMPACTION OVER PROTECTED AREAS.

13. MAINTAIN TPZ FREE OF WOODS AND TRASH.

14. MULCH AREAS INSIDE TPZ WITH 4" THICK LAYER OF ORGANIC MULCH. DO NOT PLACE MULCH WITHIN 6" OF TRUNK OF TREE.

15. DO NOT EXCAVATE WITHIN TPZ UNLESS OTHERWISE INDICATED OR APPROVED. TREE SHALL BE ROOT PRUNED 1' OUTSIDE LIMIT OF REQUIRED EXCAVATION.

16. WHERE EXCAVATION FOR TREE BEDS IS REQUIRED WITHIN THE TPZ AND IS APPROVED, HAND PRUNE OR UTILITY APPROVED ROOT PRUNING TECHNIQUES PRIOR TO USE OF EXCAVATION EQUIPMENT.

17. DO NOT ALLOW EXPOSED ROOTS TO DRY OUT BEFORE RE-INSTALLATION. PROVIDE TEMPORARY EARTH COVER OR PACK ORGANIC MATERIAL AND WRAP WITH BURLAP. WATER AND MAINTAIN IN MOST CONDITION.

18. TEMPORARY SUPPORT AND PROTECT ROOTS FROM DAMAGE UNTIL THEY ARE PERMANENTLY COVERED WITH SOIL.

19. ROOT PRUNING SHALL BE DONE BY HAND WITH SHARP TOOLS OR IF DONE MECHANICALLY SHALL BE DONE WITH PROTECTING MACHINERY. VIBRATORY FLOW, OR WITH A TRENCH TRENCHER WITH SHARP BLADES. ONCE A TRENCH IS OPENED, ALL EXPOSING ROOTS WILL BE HAND PRUNED TO PROVIDE CLEAN-CUT ENDS.

20. DO NOT BREAK OR PULL ROOTS WITH A BACK-HOE OR SIMILAR EQUIPMENT.

SUBMITTALS LIST:

	PHOTOS	SHOP DWGS	SAMPLE	MOCK UP
STONE - CAPS & PAVING	●	●	●	●
CONCRETE	●	●	●	●
FURNISHING	●	●	●	●
TREES & PLANTS	●	●	●	●
WOOD	●	●	●	●

THE ABOVE LIST IS PROVIDED FOR REFERENCE AND MAY NOT BE COMPLETE REFER TO SPECIFICATIONS FOR ALL SUBMITTAL REQUIREMENTS

ALL MOCKUPS MAY BE IN PLACE

MATERIALS LEGEND:

PAVING

A1 ASPHALT PAVING

TYPE: REFLECTIVE PAVEMENT
THICKNESS: 5"
DISTANCE TO SOURCE: WITHIN 200 MILES OF SITE

P2 CONCRETE PAVING

COLOR: NATURAL GRAY
THICKNESS: 5"
DISTANCE TO SOURCE: WITHIN 200 MILES OF SITE

P3 STONE PAVERS

TYPE: FLAGSTONE
FINISH: STORM MOUNTAIN
SIZE: MEDIUM
INSTALLATION: REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 50 MILES OF SITE

P4 STONE WALL

TYPE: FLAGSTONE
FINISH: STORM MOUNTAIN
SIZE: MEDIUM
INSTALLATION: REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 50 MILES OF SITE

WOOD

W1 WOOD GUARDRAIL

TYPE: EASTERN RED CEDAR
SIZE: VARIOUS
FINISH: CLEAR
INSTALLATION: REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 50 MILES OF SITE

W2 WOOD PERGOLA

TYPE: EASTERN RED CEDAR
SIZE: VARIOUS
FINISH: CLEAR
INSTALLATION: REFER TO DETAILS
DISTANCE TO SOURCE: WITHIN 50 MILES OF SITE

FURNITURE

F1 CEDAR BENCH

TYPE: EASTERN RED CEDAR
SIZE: VARIOUS
FINISH: CLEAR
INSTALLATION: REFER TO DETAILS

SYMBOLS LEGEND:

GENERAL

--- LIMIT OF WORK

--- MATCHLINES

○ TREES TO BE PROTECTED

⊗ TREES TO BE REMOVED

x1 MATERIAL REFERENCE

x2x DETAIL REFERENCE



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 150 Discovery Lane
 Clemson, South Carolina
 29634



90% CD SET

Notes:

Map:

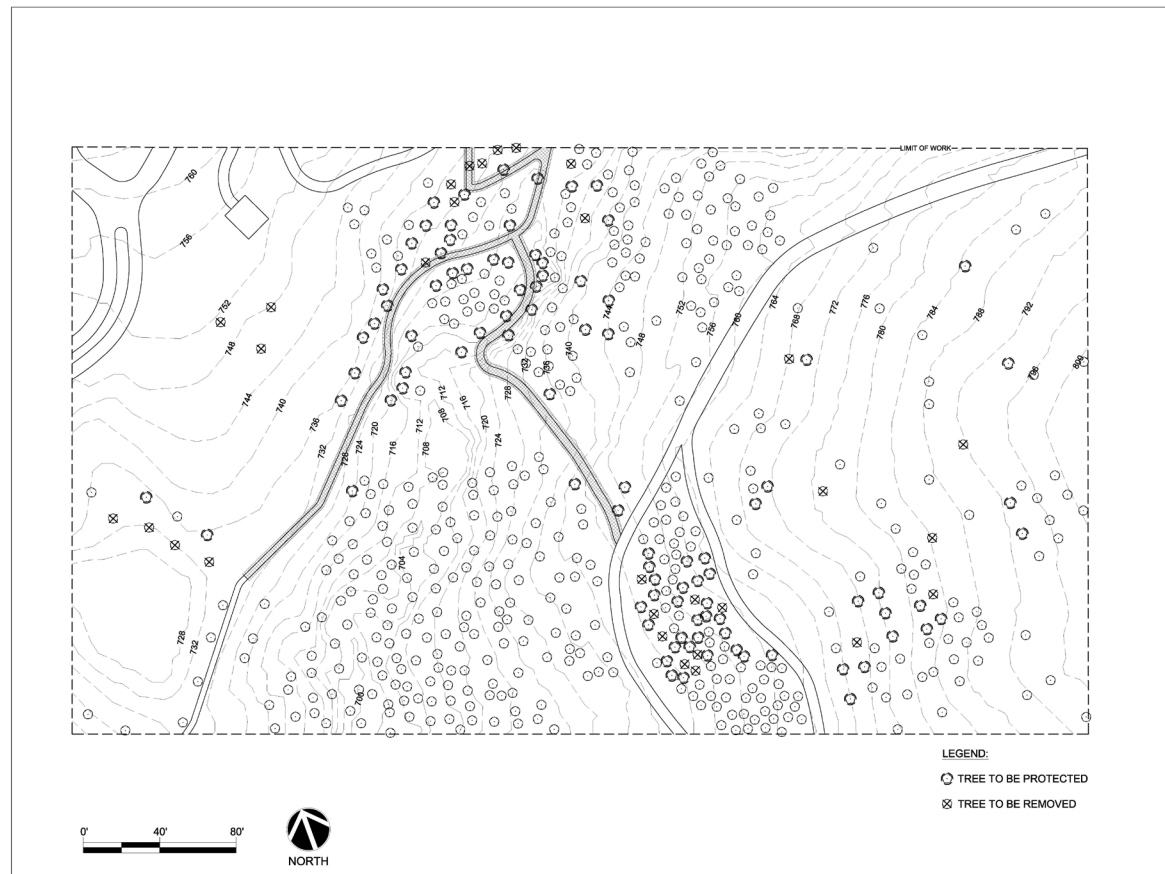
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3	100% CD Set Review	2003/11/30
2	90% CD Set Review	2003/11/10
1	Design Review	2003/10/09

Project
Acrobolium

Date
2003/12/15

Sheet
GENERAL NOTES
AND MATERIALS
SHEET

L-0.01



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NOT FOR CONSTRUCTION

50% CD SET

Notes:

Map:

Project Reference #

No.	Revision/Issue	Date
4	50% CD Set Review	2023/12/15
3	100% CD Set Review	2023/11/09
2	50% CD Set Review	2023/11/09
1	Design Review	2023/10/28
1	Design Review	2023/10/28

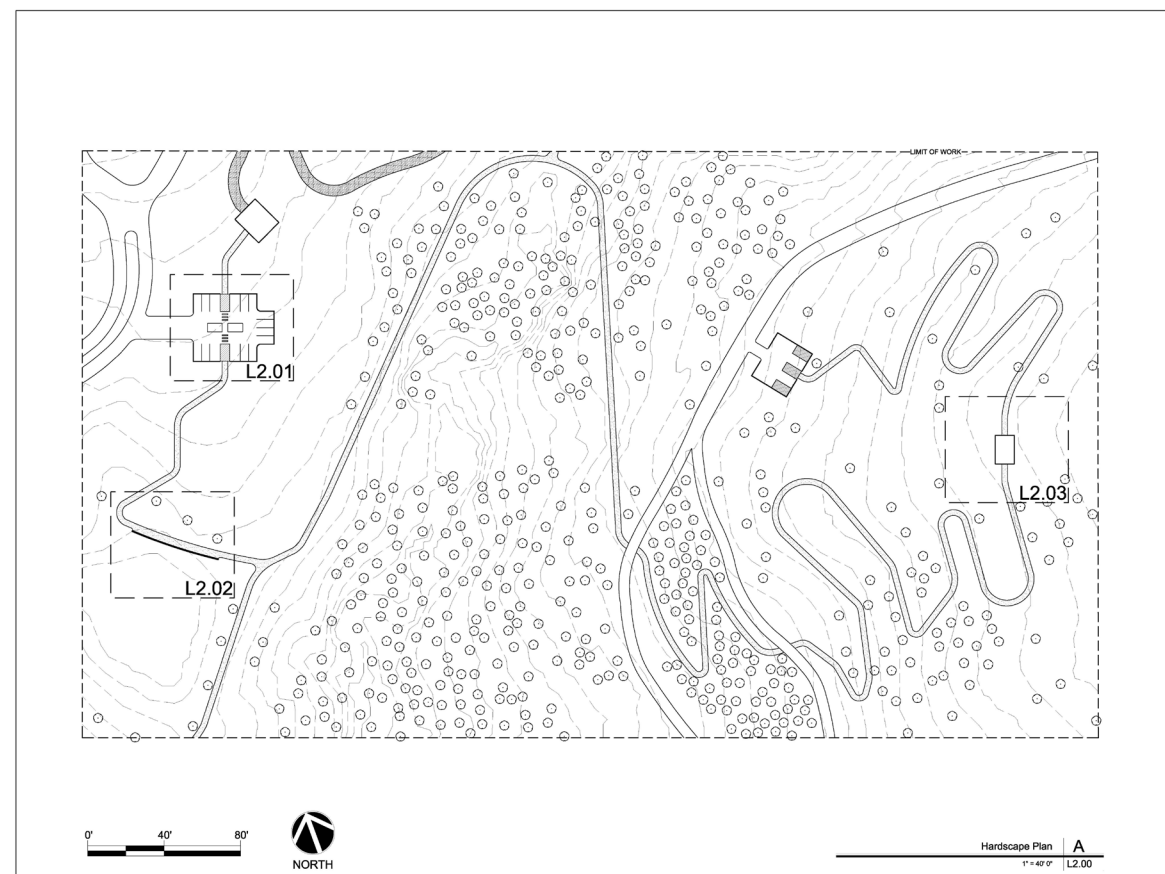
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Arboretum

Sheet:
DEMOLITION AND
TREE MITIGATION
PLAN

Date:
2023/12/15

Scale:
1" = 40' 0"

L-1.01



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50% CD SET

Notes:

Map:

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4	50% CD Set Review	2023/12/15
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2	50% CD Set Review	2023/11/09
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1	Design Review	2023/10/28

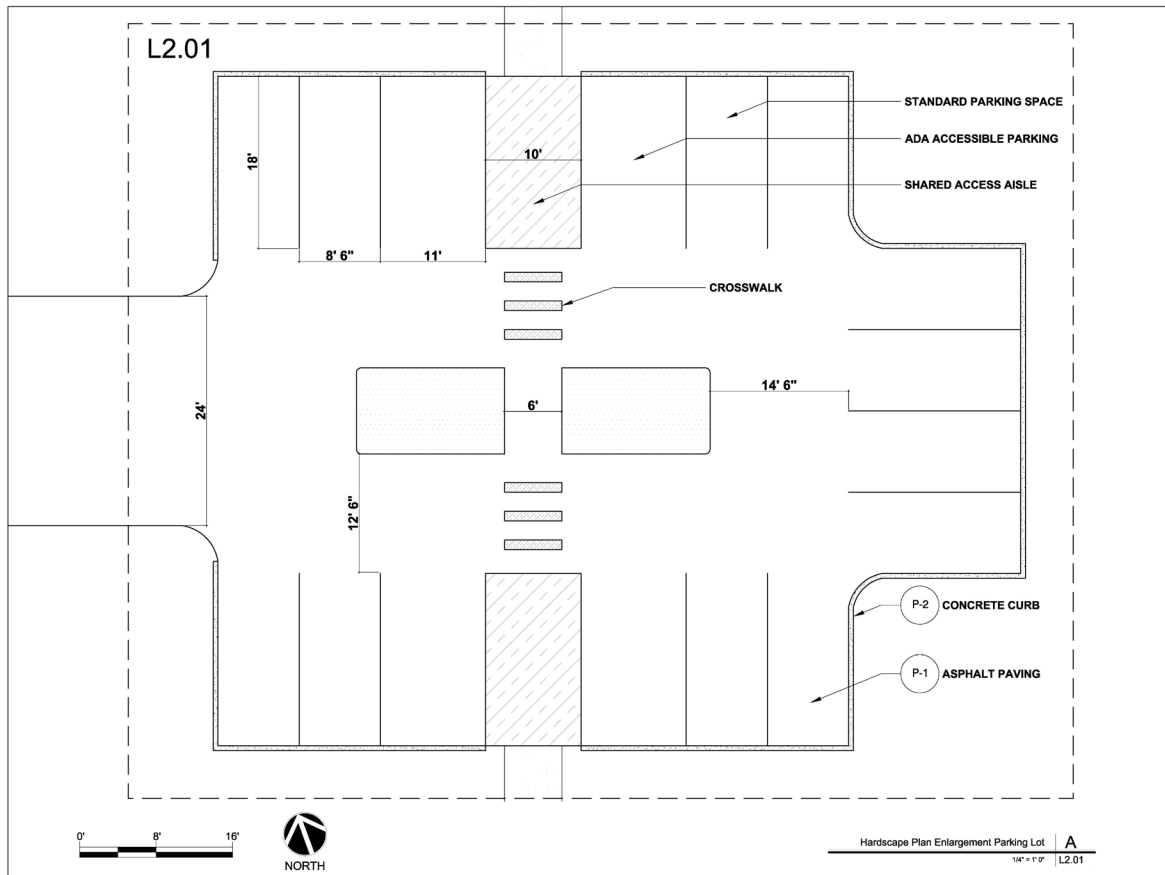
Project:
Arboretum

Sheet:
HARDSCAPE
PLAN

Date:
2023/12/15

Scale:
1" = 40' 0"

L-2.00



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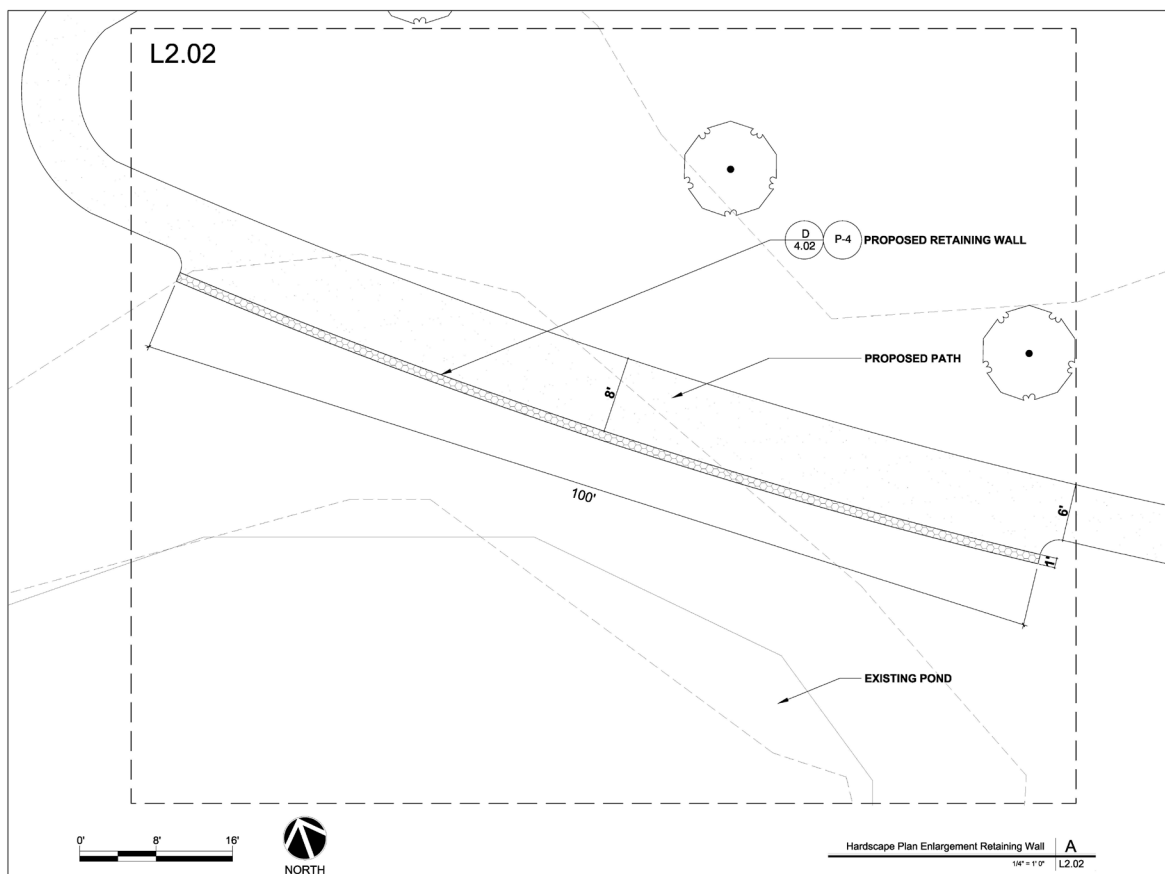
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Project Reference #

No.	Revision/Issue	Date
4	90% CD Set Review	2023/12/15
3	100% CD Set Review	2023/11/09
2	90% CD Set Review	2023/11/10
1	Design Review	2023/10/09

Project: Arboretum Sheet: Hardscape Plan
Date: 2023/12/15
Scale: 1/4" = 1'-0"

L-2.01



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Notes:

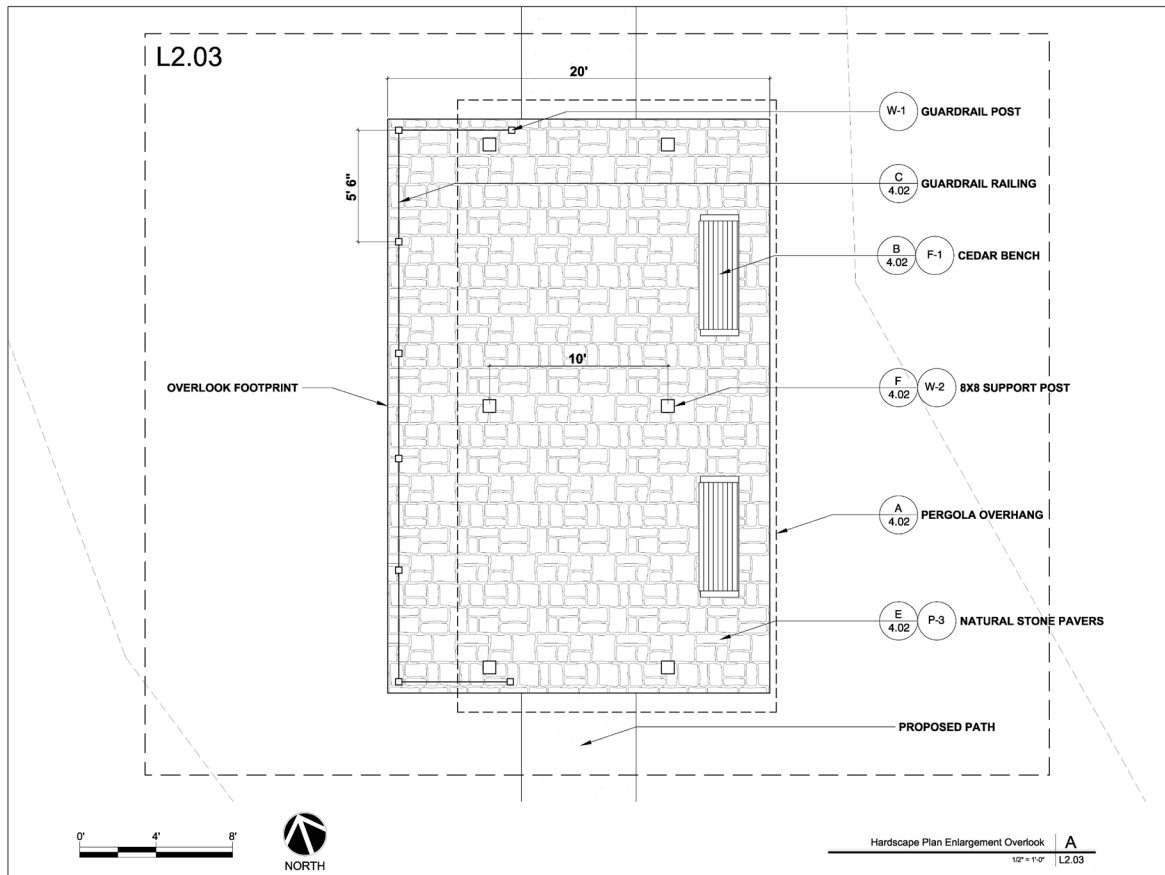
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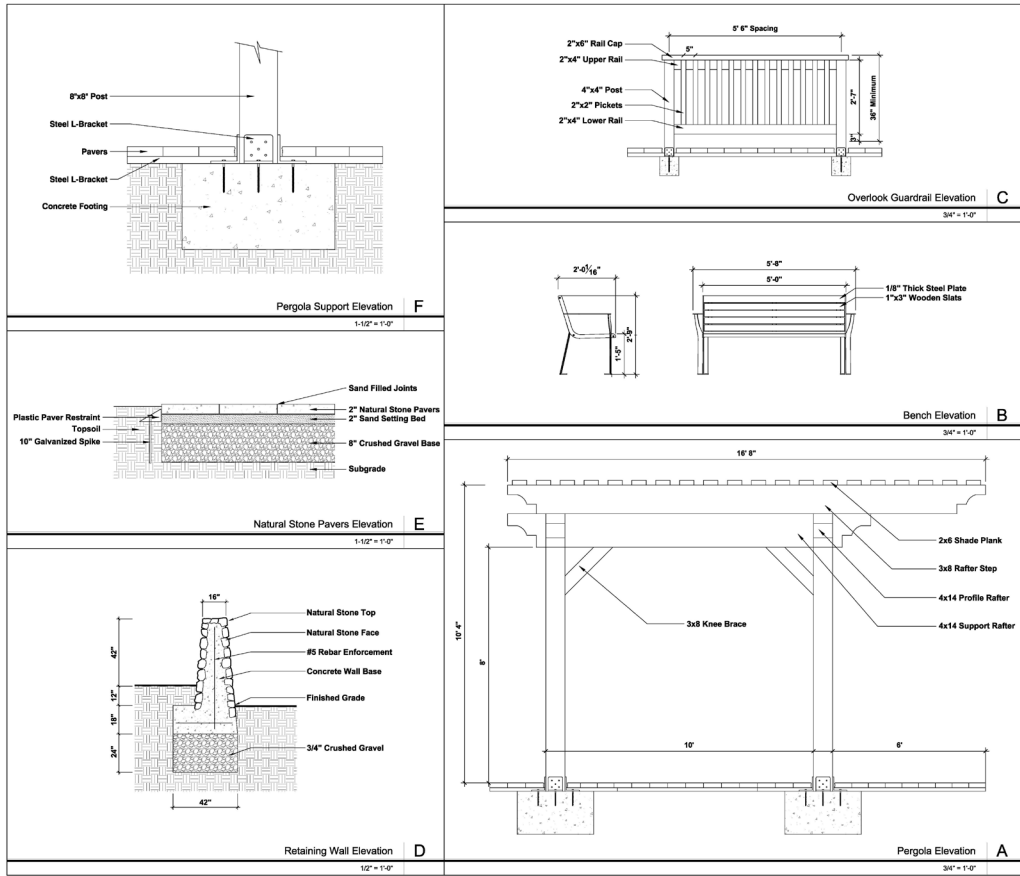
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4	90% CD Set Review	2023/12/15
3	100% CD Set Review	2023/11/09
2	90% CD Set Review	2023/11/10
1	Design Review	2023/10/09

Project: Arboretum Sheet: Hardscape Plan
Date: 2023/12/15
Scale: 1/4" = 1'-0"

L-2.02





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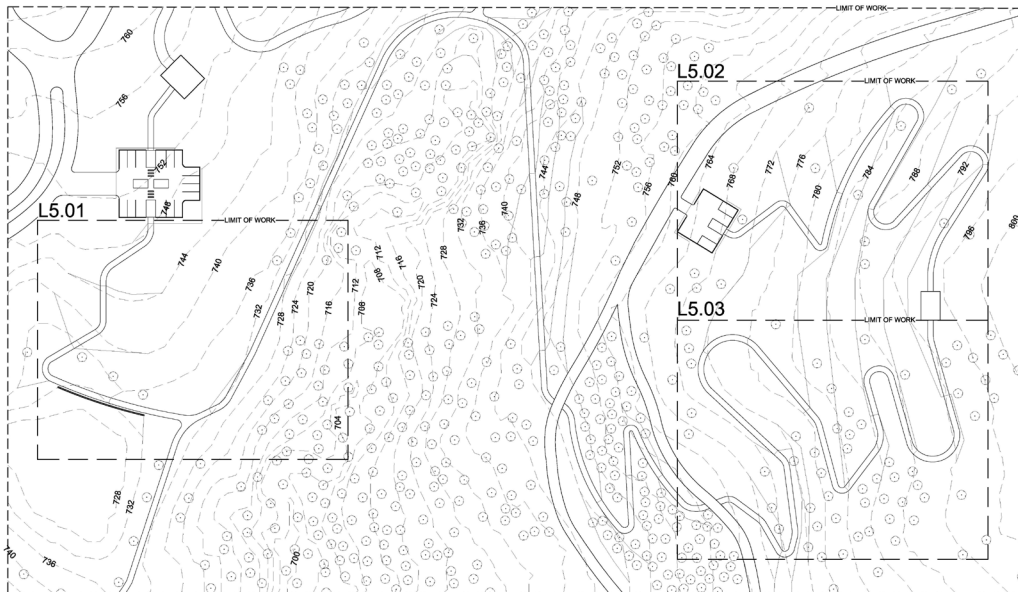
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Project Reference #

No.	Revision/Issue	Date
4	50% CD Set Review	2023/12/15
3	100% CD Set Review	2023/1/10
2	50% CD Set Review	2023/1/10
1	Design Review	2023/1/09

Project: Ardourum
Date: 2023/12/15
Sheet: L-4.00



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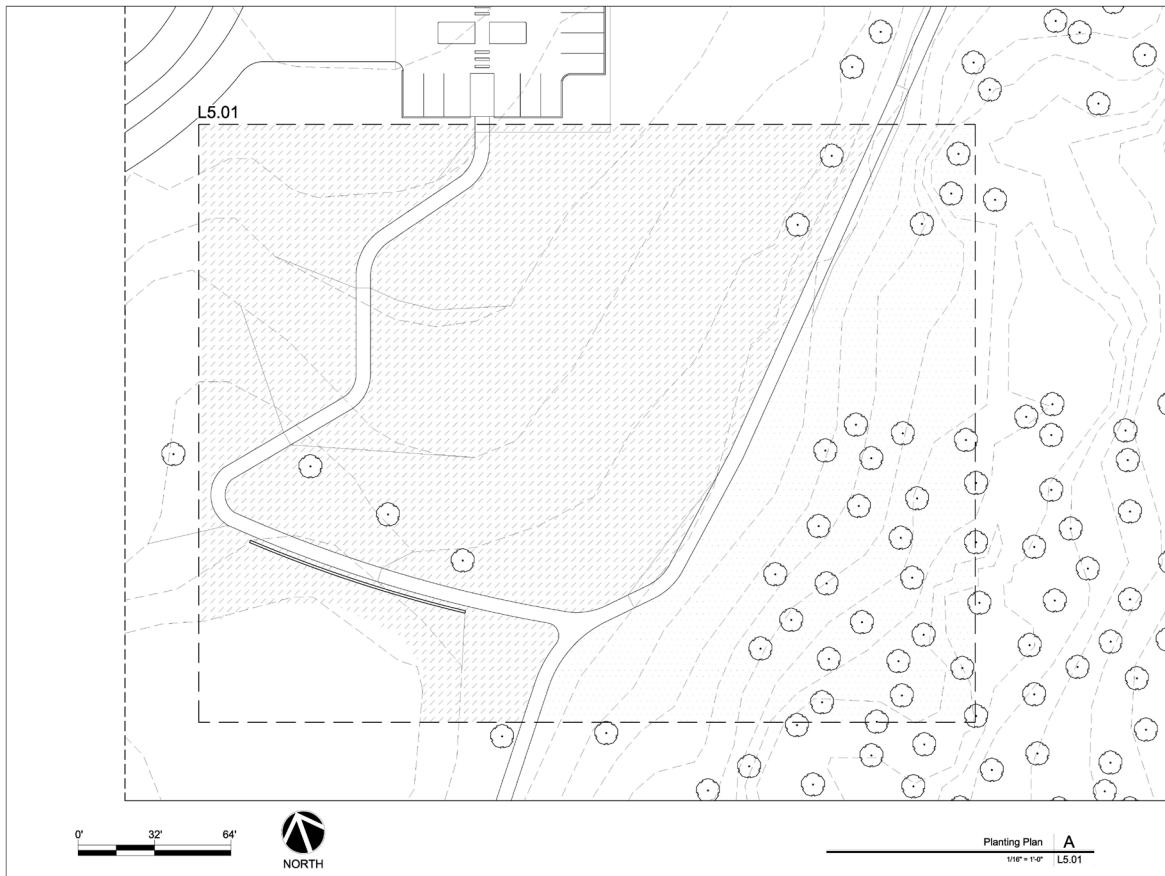
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No.	Revision/Issue	Date
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3	100% CD Set Review	2023/1/10
2	50% CD Set Review	2023/1/10
1	Design Review	2023/1/09

Project: Ardourum
Date: 2023/12/15
Sheet: L-5.00



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SC Botanical Gardens
150 Discovery Lane
Clemson, South Carolina
29634

NOT FOR CONSTRUCTION

50% CD SET

Notes:

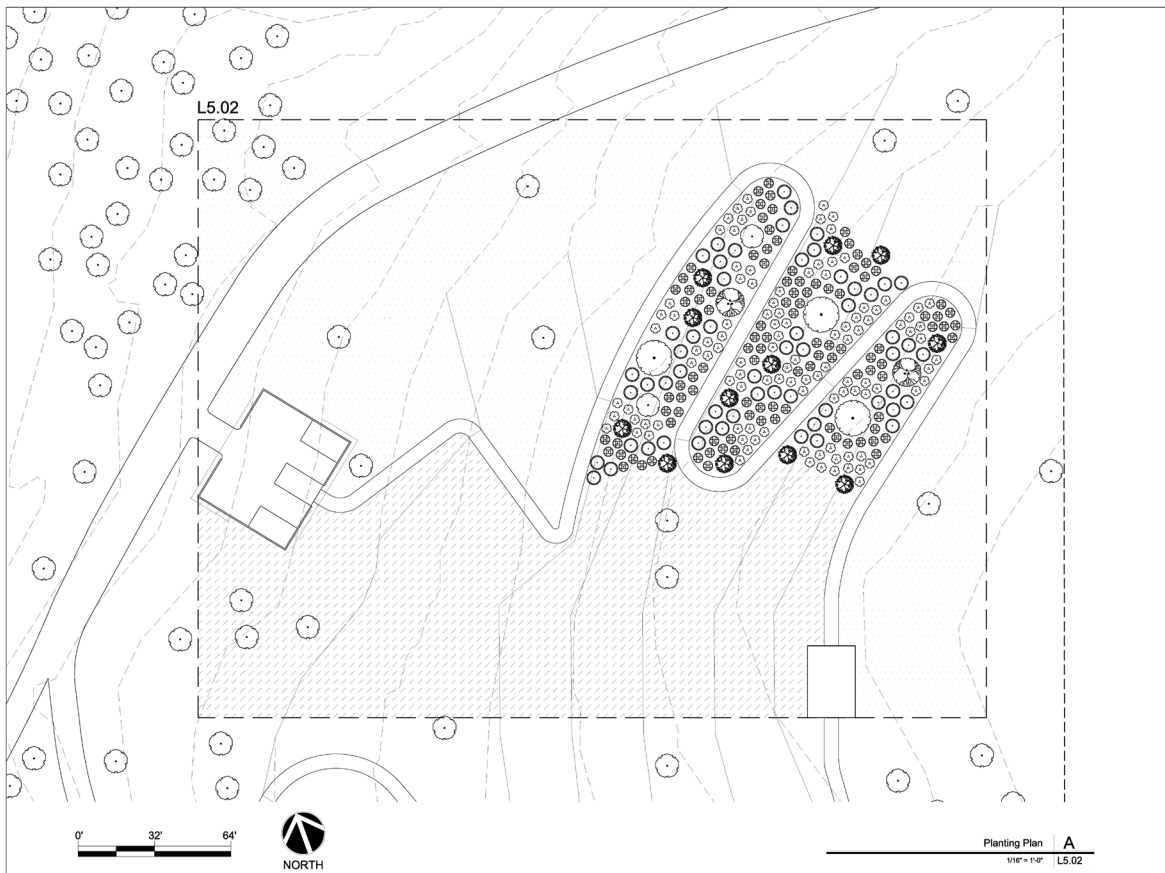
Map:

Project Reference #

No.	Revisions/Notes	Date
4	50% CD Set Review	2023/12/15
3	100% CD Set Review	2023/1/10
2	50% CD Set Review	2023/1/10
1	Design Review	2023/1/09

No. Revisions/Notes Date

Project: Ardourum Sheet: LANDSCAPE PLAN
Date: 2023/1/21/15
Scale: 1/16" = 1'-0" **L-5.01**



DSD

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1	Design Review	2023/1/09

No. Revisions/Notes Date

Project: Ardourum Sheet: LANDSCAPE PLAN
Date: 2023/1/21/15
Scale: 1/16" = 1'-0" **L-5.02**



DJS
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No. Revisions/Issues Date

Project: Arboretum
Date: 2023/1/21/15
Scale: 1/8\"/>

PLANT LEGEND:						
PLANT ABBR.	COMMON NAME	MINIMUM SIZE	MINIMUM HEIGHT	MINIMUM SPREAD	QUANTITY	COMMENTS
TREES						
IQ	Ilex opaca AMERICAN HOLLY	3" GAL.	6'-8'	--	24	NURSERY GROWN, STANDARD, MATCHED, FULL, WELL BRANCHED
MV	Magnolia virginiana var. australis SWEET BAY MAGNOLIA	3" GAL.	6'-8'	--	7	NURSERY GROWN, STANDARD, MATCHED, FULL, WELL BRANCHED
QM	Quercus marilandica BURCHARD OAK	2" GAL.	18"-20"	8'-10'	8	NURSERY GROWN, STANDARD, MATCHED, FULL, WELL BRANCHED
SHRUBS						
KL	Kalmia latifolia MOUNTAIN LAUREL	3" GAL.	--	--	338	NURSERY GROWN, MATCHED & WELL ROOTED, PLANT AS SHOWN
LC	Loropetalum chinense 'Purple Diamond' LOREPETALUM 'PURPLE DIAMOND'	7" GAL.	--	--	361	NURSERY GROWN, MATCHED & WELL ROOTED, PLANT AS SHOWN
VO	Viburnum dentatum 'Arrowwood' ARROWWOOD VIBURNUM	7" GAL.	--	--	181	NURSERY GROWN, MATCHED & WELL ROOTED, PLANT AS SHOWN
GROUND COVER						
MD	EXISTING MEADOW MIX	--	--	--	93,257 sq.	SOURCE: EXISTING MEADOW SC BOTANICAL GARDEN
	Hieracium aurantiacum SWEET GRASS	--	--	--	--	
	Panicum virgatum SWITCH GRASS	--	--	--	--	
	Solidago canadensis CANADIAN GOLDENROD	--	--	--	--	
	HARRY ASTER Symphyotrichum pilosum	--	--	--	--	
LG	LAWN GRASS	--	--	--	--	

Shrub Planting Detail B
3/4\"/>

Tree Planting Detail A
3/4\"/>

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LARC 4620 DESIGN IMPLEMENTATION III
BLA