

PLANTING NOTES:

- CONTRACTOR TO PROVIDE AND INSTALL A FULLY FUNCTIONAL IRRIGATION SYSTEM PROVIDING DRIP IRRIGATION TO ALL TREES AND SHRUBS AND SPRAY IRRIGATION TO ALL TURF AREAS.
- CONTRACTOR TO CONFIRM PLANT QUANTITIES PRIOR TO ORDERING MATERIALS.
- ALL PLANT BEDS TO RECEIVE 4" PINE STRAW MULCH

PLANT KEY

TREES	BOTANICAL NAME	COMMON NAME
AD	Amelanchier arborea	Downy Serviceberry
JB	Juniperus virginiana 'Brodie'	Brodie Eastern Redcedar
LT	Liriodendron tulipifera	Tulip Poplar
LA	Liriodendron tulipifera 'Arnold'	Arnold Tulip Poplar
QS	Quercus shumardii	Shumard Red Oak

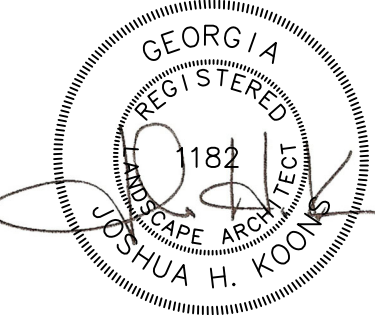
SHRUBS	BOTANICAL NAME	COMMON NAME
CA	Calliopsis americana	American Beautyberry
HQ	Hydrangea quercifolia	Oakleaf Hydrangea
IP	Illicium parviflorum	Anise Tree
IV	Itea virginica 'Little Henry' TM	Virginia Sweetspire
MD	Myrica cerifera 'Don's Dwarf'	Don's Dwarf Wax Myrtle
PM	Prunus caroliniana 'Monus'	Bright 'N Tight Carolina Laurel Cherry
RA	Rhododendron austrinum	Florida Flame Azalea

GROUND COVERS	BOTANICAL NAME	COMMON NAME
AM	Amsonia tabernaemontana	Eastern Bluestar
LAWN	Cynodon dactylon 'Tiffu'	Bermuda Grass
EP	Echinacea purpurea	Purple Coneflower
IB	Iris virginica	Blue Flag Iris
MU	Muhlenbergia capillaris	Pink Muhly
PVN	Panicum virgatum 'North Wind'	Northwind Switch Grass
SS	Schizachyrium scoparium 'The Blues'	Little Bluestem
TK	Thelypteris kunthii	Southern Shield Fern

KOONS
ENVIRONMENTAL
DESIGN inc.

675 Polaski Street
Suite 2000
Athens, GA 30601
ph: 706-353-3838

SEAL:



TITLE:

WEST GEORGIA REGIONAL LIBRARY SYSTEM
LANDSCAPE IMPROVEMENTS
CARROLLTON, GA

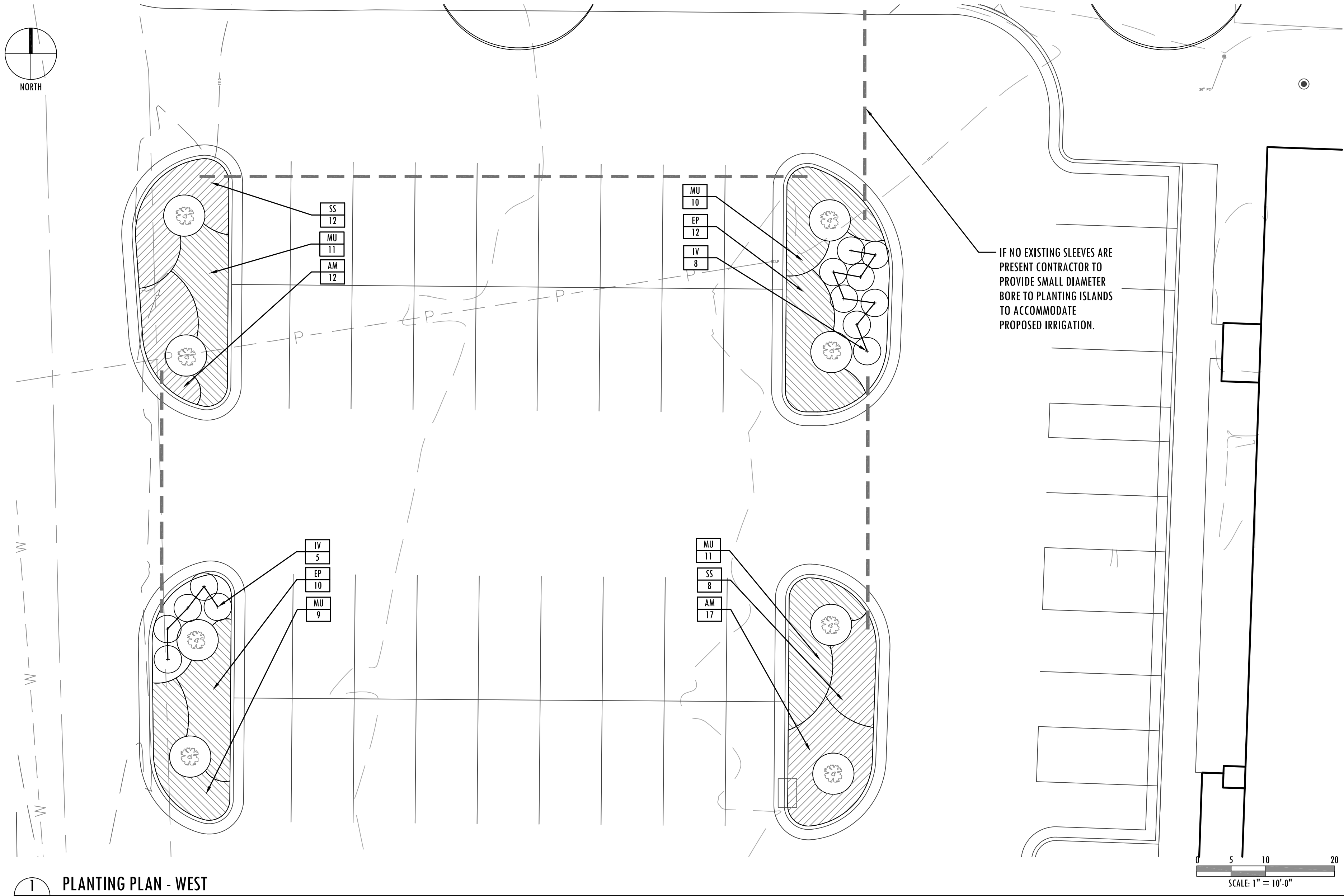
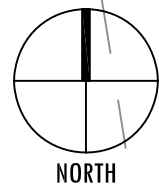
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DRAWN BY: DJ
CHECKED BY: JK
SCALE: AS NOTED

ISSUANCE:
2022-03-01 PRICING PLANS

SHEET TITLE:
SITE &
PLANTING PLAN

SHEET NUMBER:

C-200

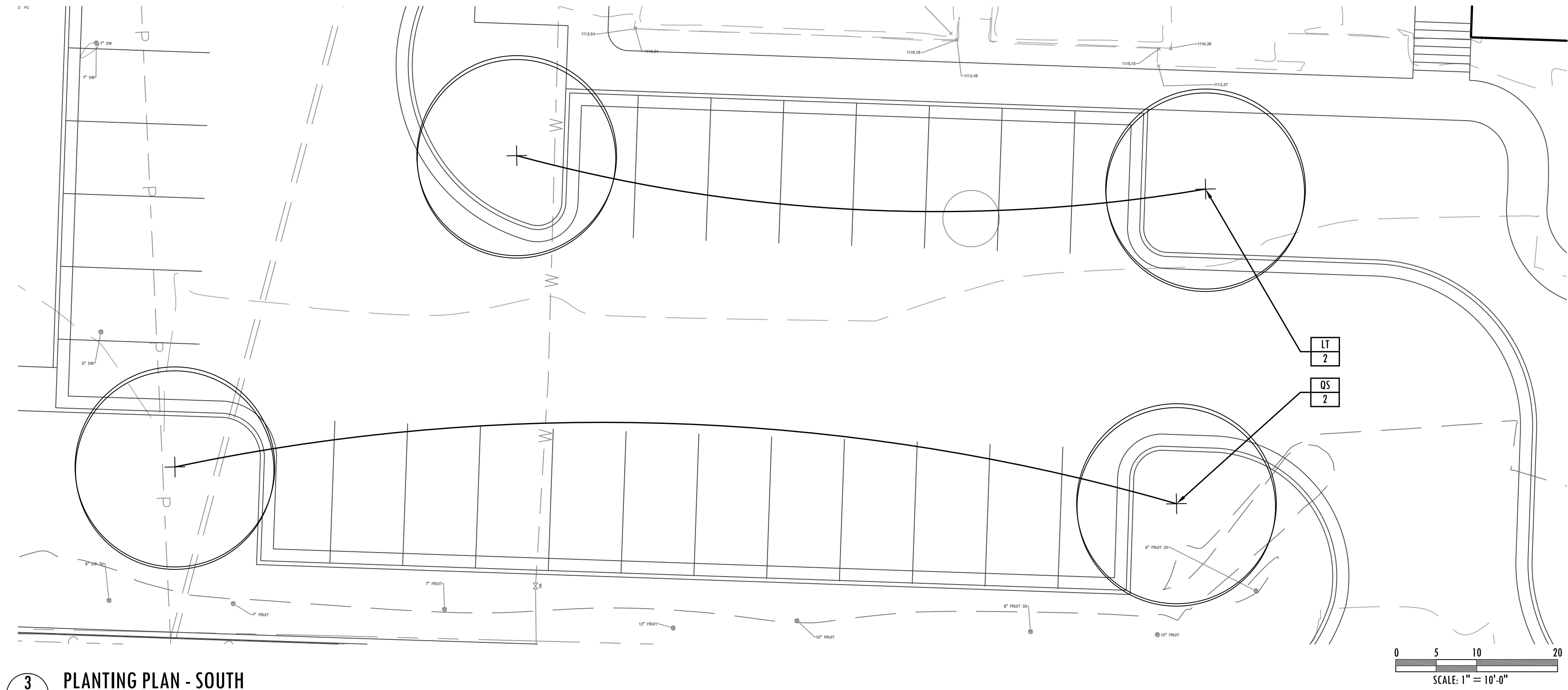


1
C-201
PLANTING PLAN - WEST
SCALE: 1" = 10' - 0"

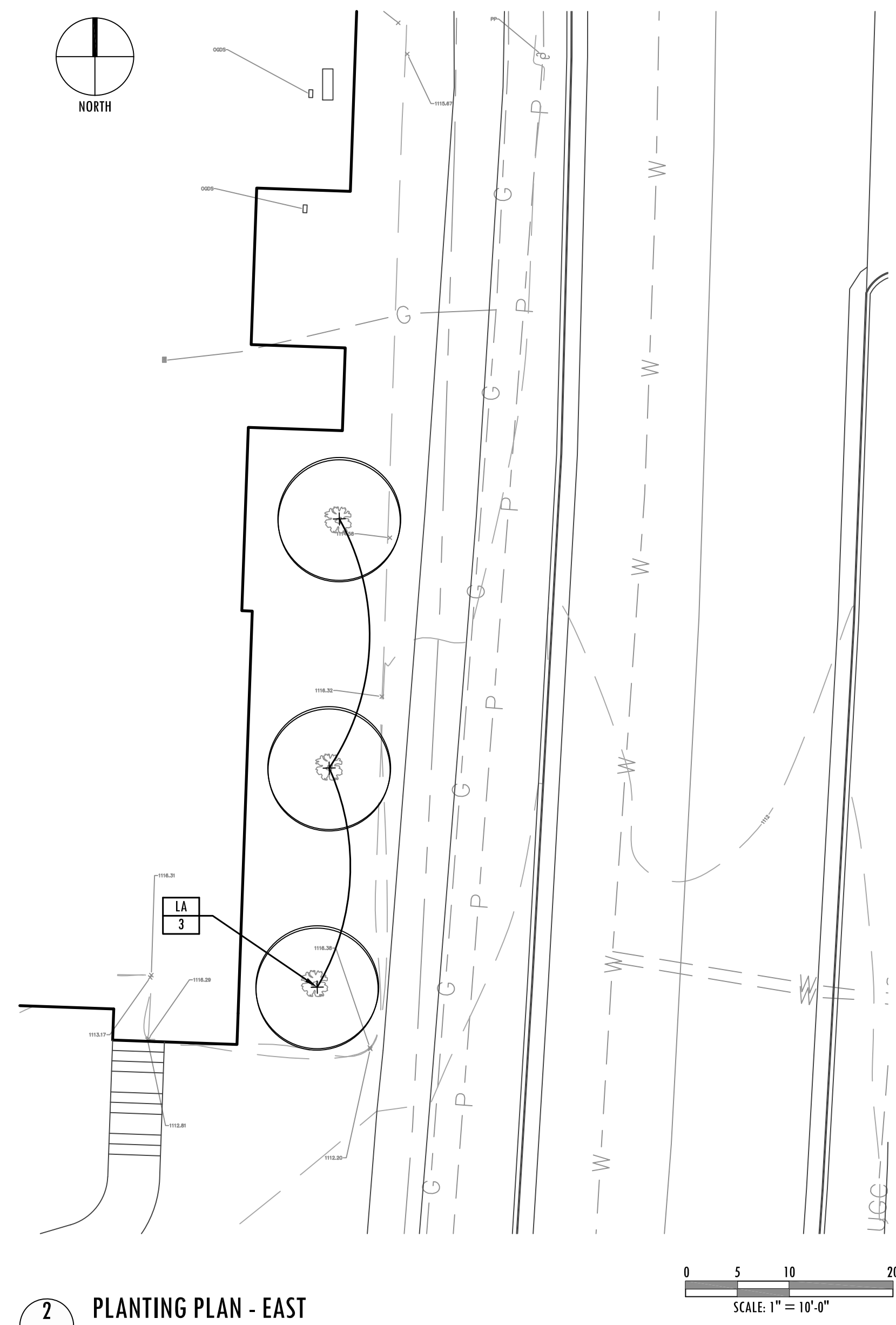
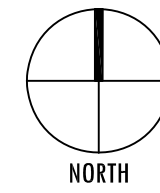
PLANT SCHEDULE					
TREES	BOTANICAL NAME	COMMON NAME	SIZE		QTY
AD	Amelanchier arborea	Dawny Serviceberry	8" Ht.		6
JB	Juniperus virginiana 'Brodie'	Brodie Eastern Redcedar	7" Ht.		11
LT	Liriodendron tulipifera	Tulip Poplar	2.5" Cal.		5
LA	Liriodendron tulipifera 'Arnold'	Arnold Tulip Poplar	2.5" Cal.		5
QS	Quercus shumardii	Shumard Red Oak	2.5" Cal.		2
SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE		QTY
CA	Calliarga americana	American Beautyberry	3 gal.		13
HQ	Hydrangea quercifolia	Oakleaf Hydrangea	3 gal.		14
IP	Illicium parviflorum	Anise Tree	3 gal.		44
IV	Itea virginica 'Little Henry' TM	Virginia Sweetspire	3 gal.		37
MD	Myrica cerifera 'Don's Dwarf'	Don's Dwarf Wax Myrtle	3 gal.		52
PM	Prunus caroliniana 'Monus'	Bright 'N Tight Carolina Laurel Cherry	5 gal.		9
RA	Rhododendron austrinum	Florida Flame Azalea	5 gal.		14
GROUND COVERS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY
AM	Amsonia tabernaemontana	Eastern Bluestar	1 gal.	36" o.c.	119
LAWN	Cynodon dactylon 'Tuffuf'	Bermuda Grass	sod		2,351 sf
EP	Echinacea purpurea	Purple Coneflower	1 gal.	42" o.c.	66
IB	Iris virginica	Blue Flag Iris	1 gal.	42" o.c.	22
MU	Muhlenbergia capillaris	Pink Muhly	1 gal.	42" o.c.	223
PVN	Panicum virgatum 'North Wind'	Northwind Switch Grass	1 gal.	48" o.c.	64
SS	Schizachyrium scoparium 'The Blues'	Little Bluestem	1 gal.	42" o.c.	70
TX	Thelypteris kunthii	Southern Shield Fern	1 gal.	36" o.c.	27

- PLANTING NOTES:**
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 - CONTRACTOR TO CONFIRM PLANT QUANTITIES PRIOR TO ORDERING MATERIALS.
 - ALL PLANT BEDS TO RECEIVE 4" PINE STRAW MULCH

CONTRACTOR TO PROVIDE ALTERNATE PRICE FOR GATOR BAGS & 12 MONTHS OF HAND WATERING IN LIEU OF PERMANENT IRRIGATION

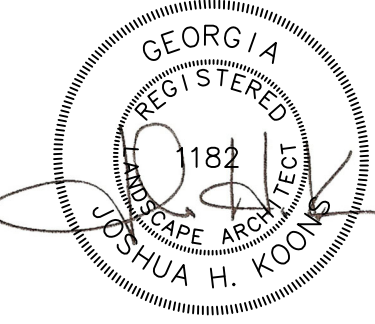


3
C-201
PLANTING PLAN - SOUTH
SCALE: 1" = 10' - 0"



2
C-201
PLANTING PLAN - EAST
SCALE: 1" = 10' - 0"

SEAL:



TITLE:

WEST GEORGIA REGIONAL LIBRARY SYSTEM
LANDSCAPE IMPROVEMENTS
CARROLLTON, GA

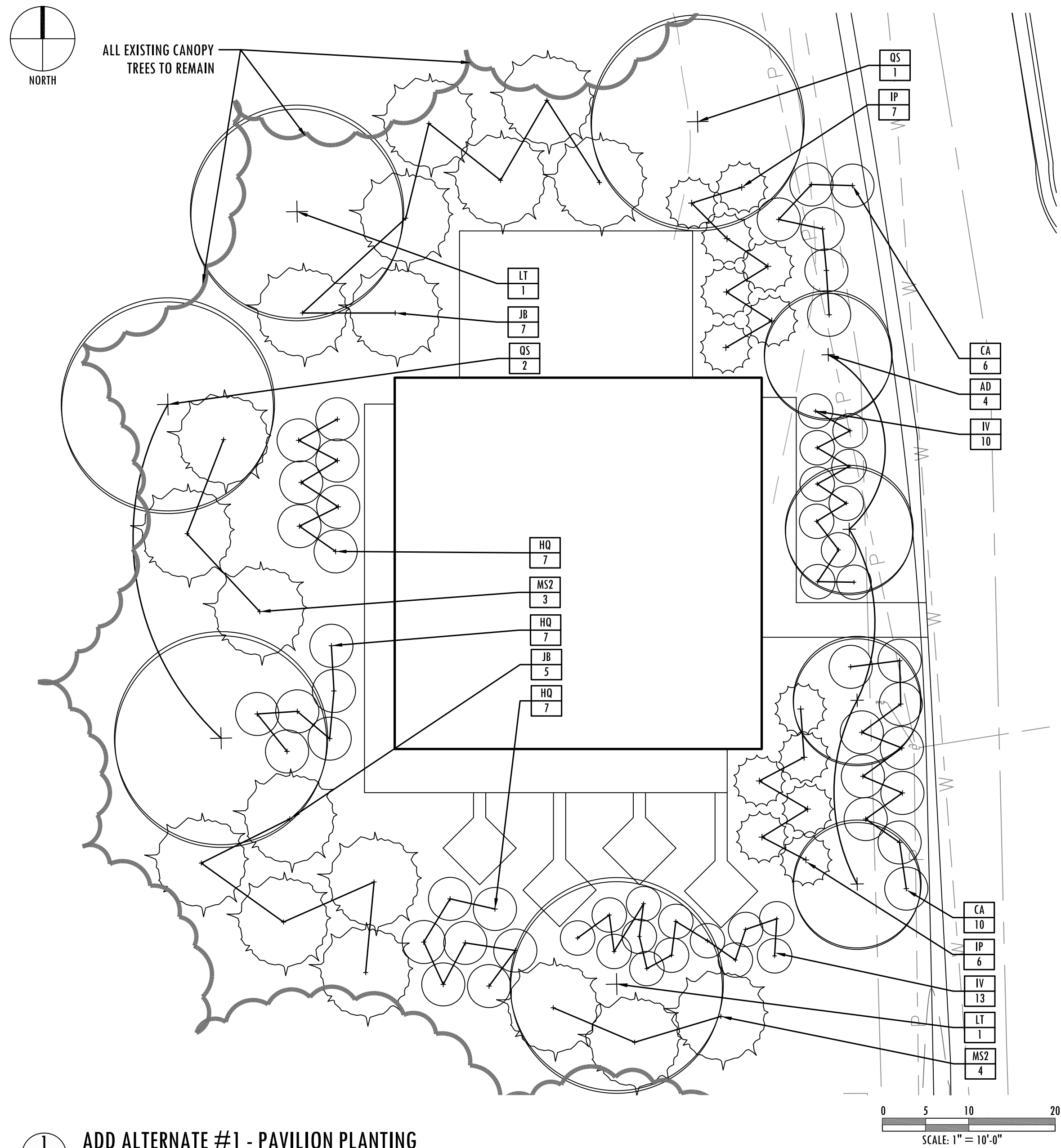
PROJECT NO:
DRAWN BY: DJ
CHECKED BY: JK
SCALE: AS NOTED

ISSUANCE:
2022-03-01 PRICING PLANS

SHEET TITLE:
**SITE &
PLANTING PLAN**

SHEET NUMBER:

C-201

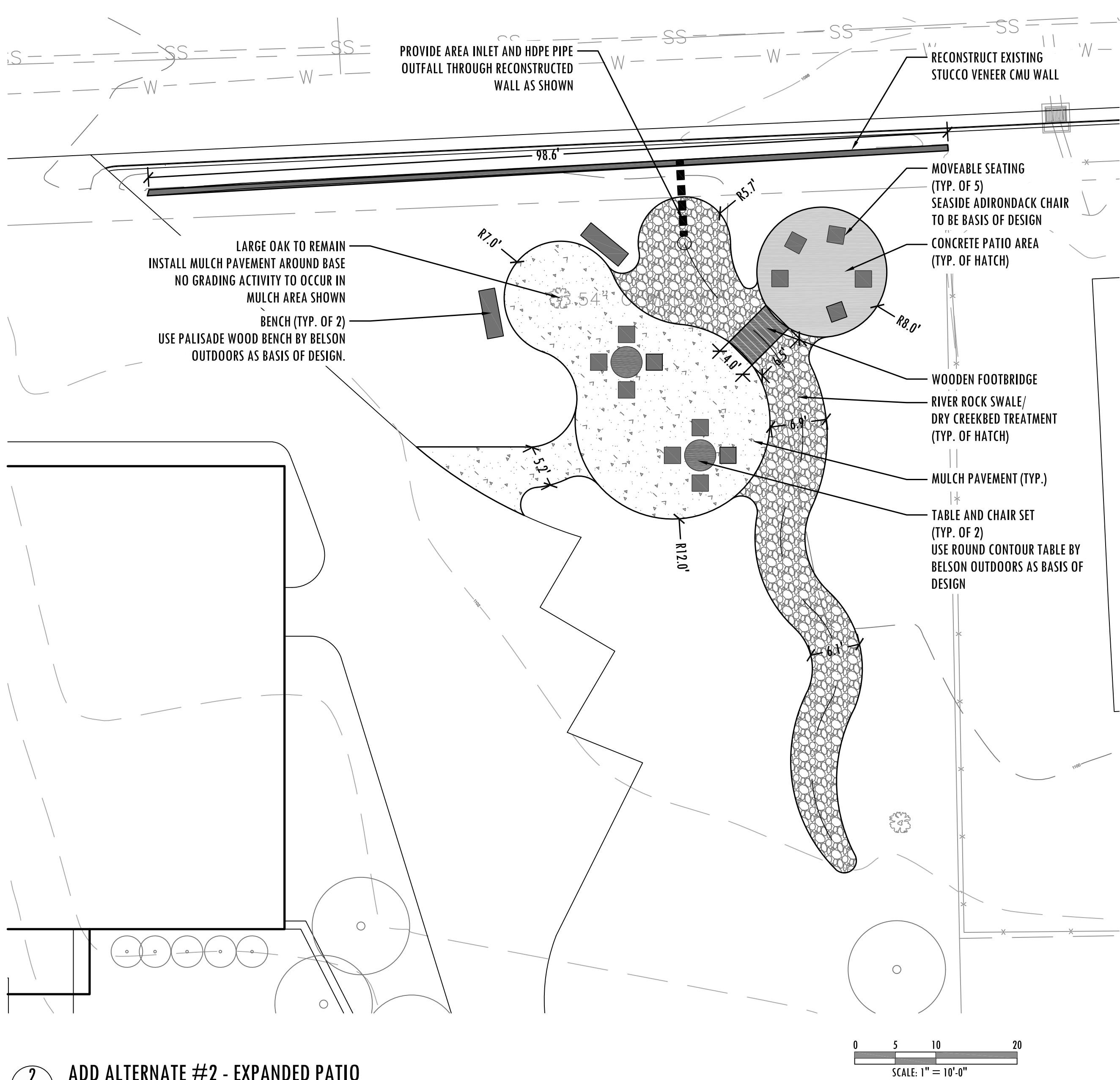


PLANT SCHEDULE				
TREES	BOTANICAL NAME	COMMON NAME	SIZE	QTY
AD	Amelanchier arborea	Dowry Serviceberry	8' Ht.	4
JB	Juniperus virginiana 'Bradley'	Bradley Eastern Redcedar	7' Ht.	12
LT	Liriodendron tulipifera	Tulip Poplar	2.5" Cal.	2
LA	Liriodendron tulipifera 'Arnold'	Arnold Tulip Poplar	2.5" Cal.	3
MS2	Magnolia virginiana	Sweet Bay	8' Ht.	6
OS	Quercus shumardii	Shumard Red Oak	2.5" Cal.	3

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	QTY
CA	Calliandra americana	American Beautyberry	3 gal.	16
HQ	Hydrangea quercifolia	Oakleaf Hydrangea	3 gal.	20
IP	Illicium parviflorum	Anise Tree	3 gal.	13
IV	Itea virginica 'Little Henry' TM	Virginia Sweetspire	3 gal.	23

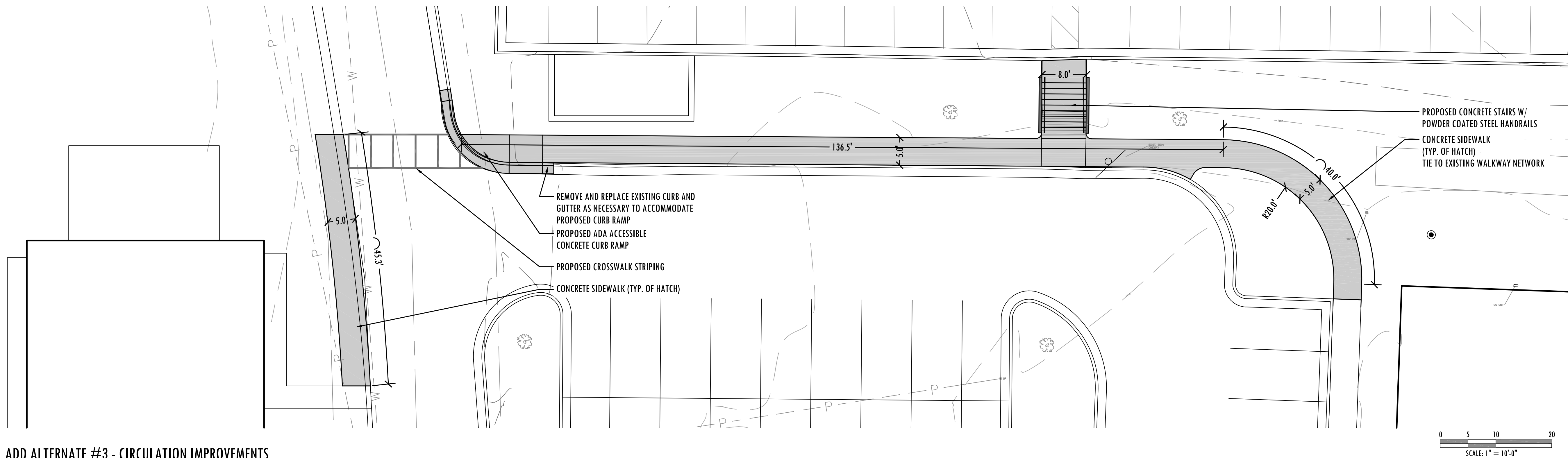
PLANTING NOTES:

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- CONTRACTOR TO CONFIRM PLANT QUANTITIES PRIOR TO ORDERING MATERIALS.
 - ALL PLANT BEDS TO RECEIVE 4" PINE STRAW MULCH



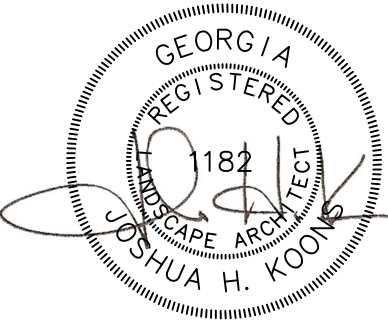
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SCALE: 1" = 10' - 0"

2 ADD ALTERNATE #2 - EXPANDED PATIO
SCALE: 1" = 10' - 0"



3 ADD ALTERNATE #3 - CIRCULATION IMPROVEMENTS
SCALE: 1" = 10' - 0"

SEAL:



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LANDSCAPE IMPROVEMENTS
CARROLLTON, GA

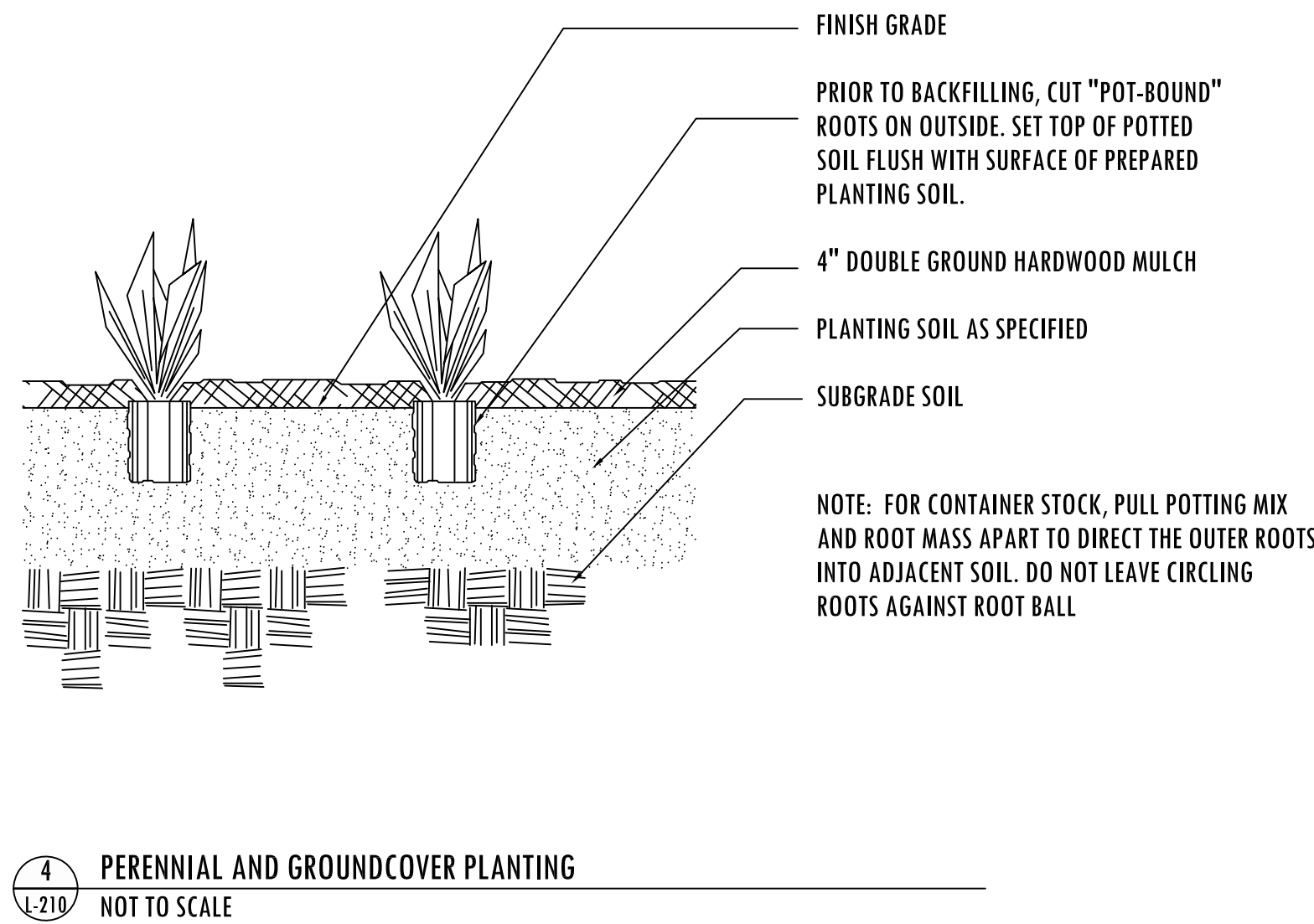
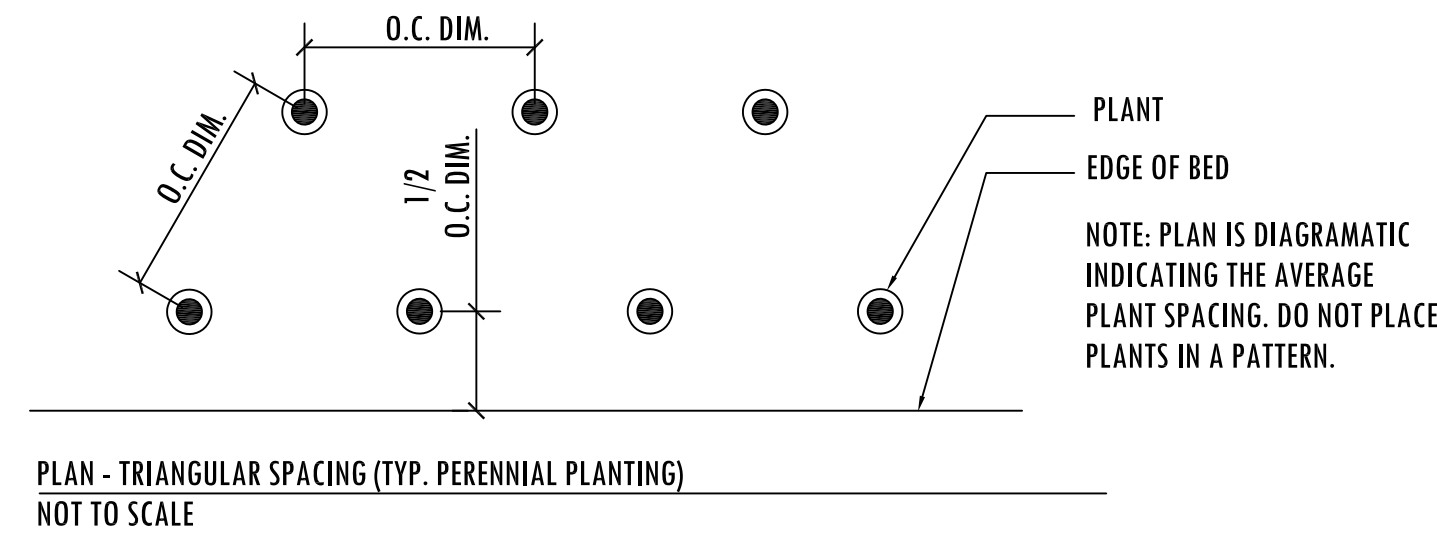
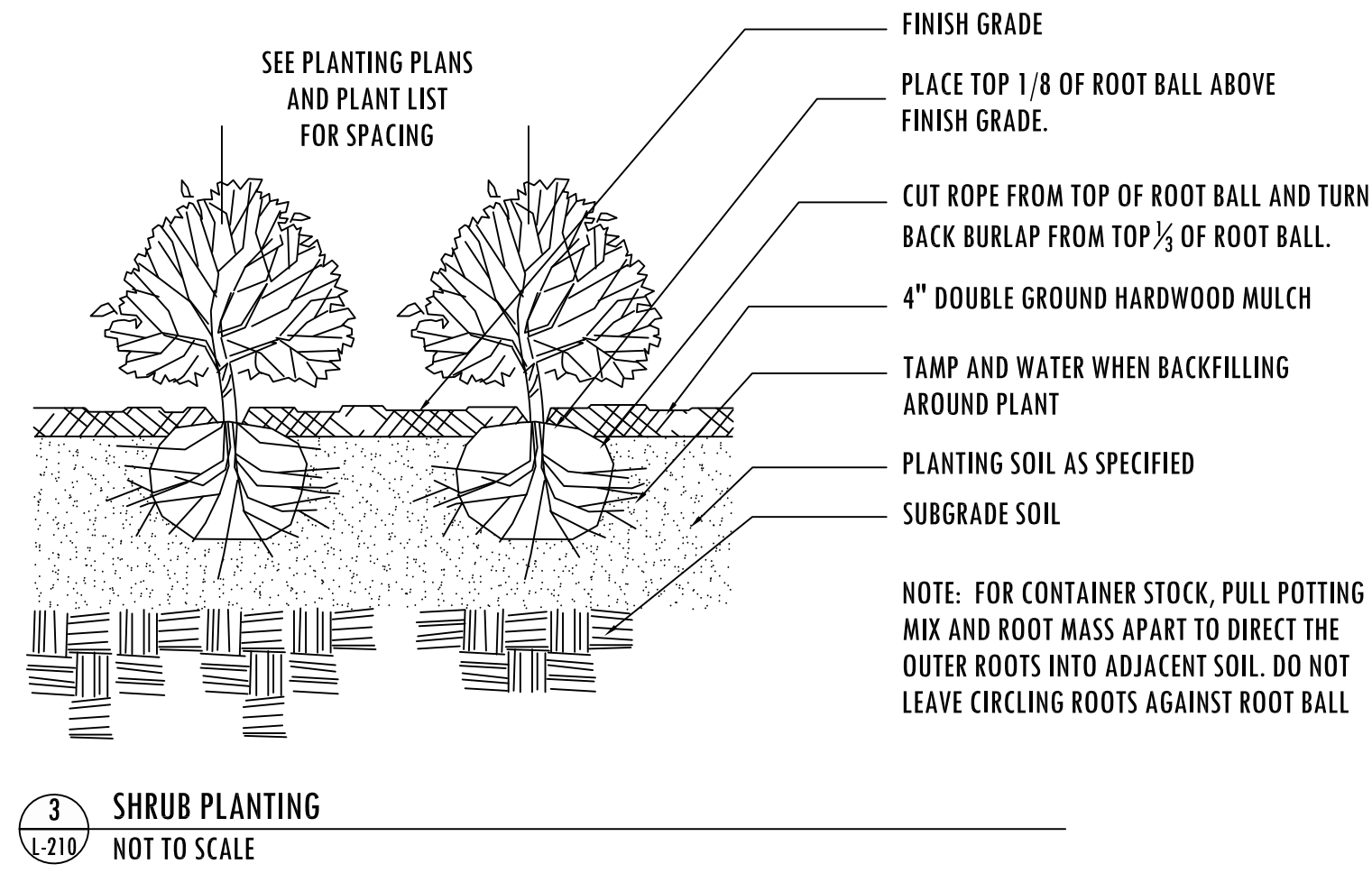
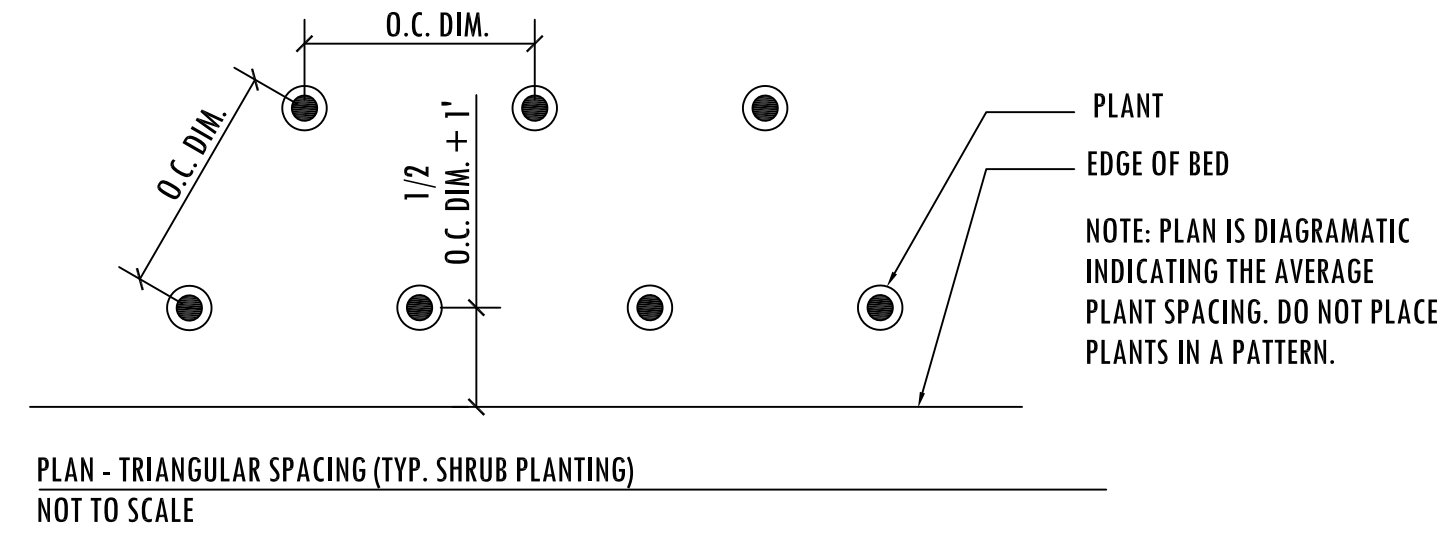
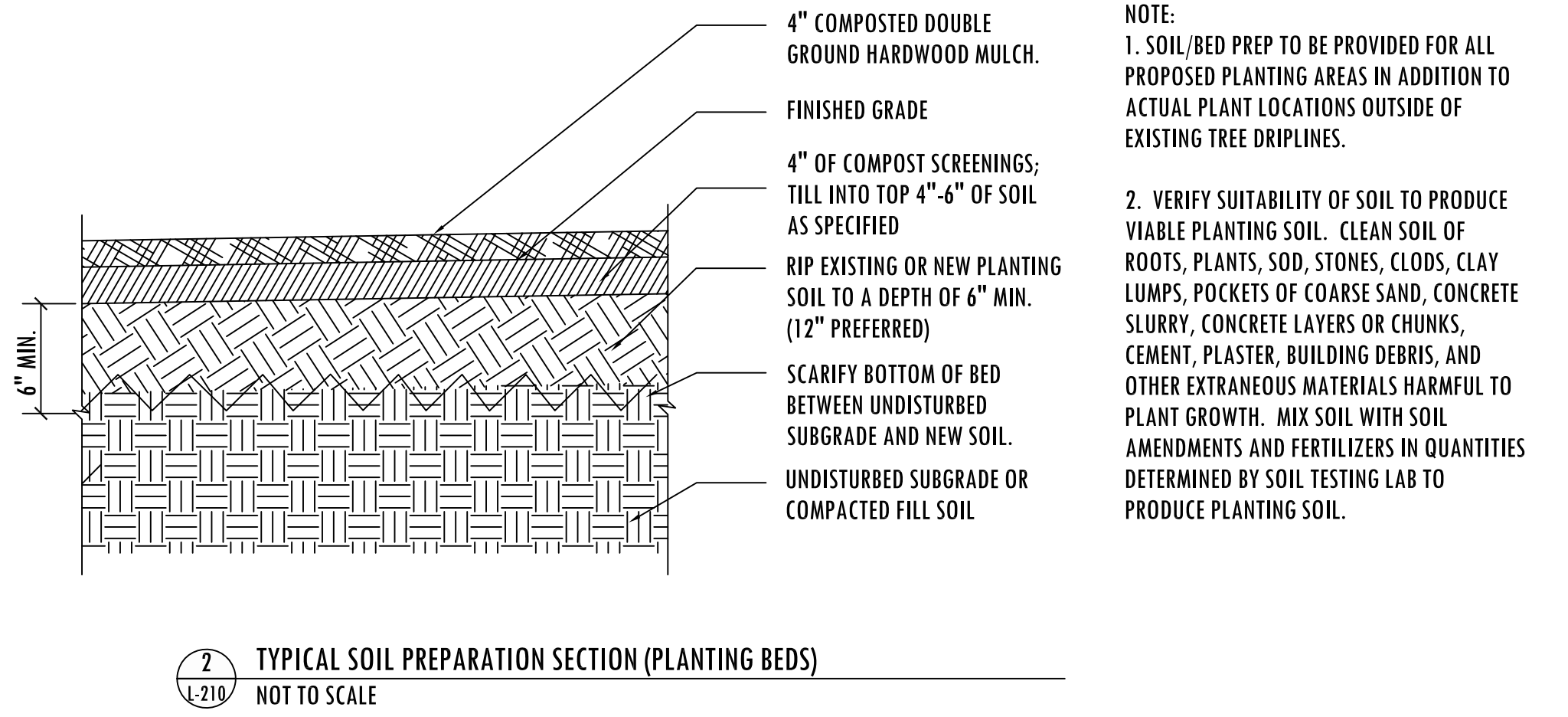
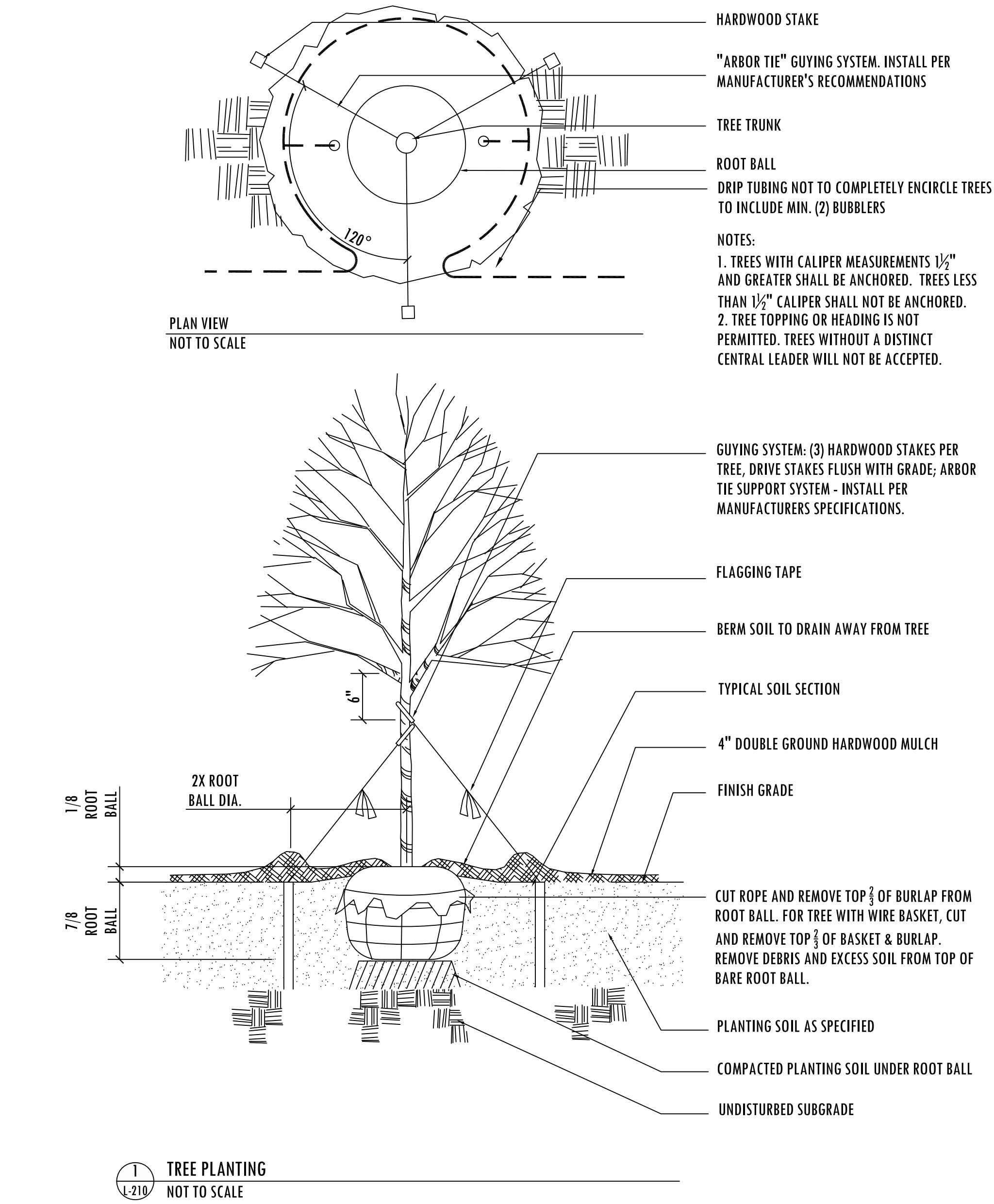
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DRAWN BY: DJ
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SCALE: AS NOTED

ISSUANCE:
2022-12-13 PRICING PLANS

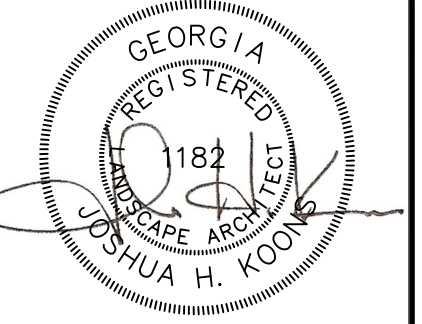
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ADD ALTERNATE
PLANS

SHEET NUMBER:

C-202



SEAL:



TITLE:

WEST GEORGIA REGIONAL LIBRARY SYSTEM
LANDSCAPE IMPROVEMENTS
CARROLLTON, GA

PROJECT NO:
DRAWN BY: DJ
CHECKED BY: JK
SCALE: AS NOTED

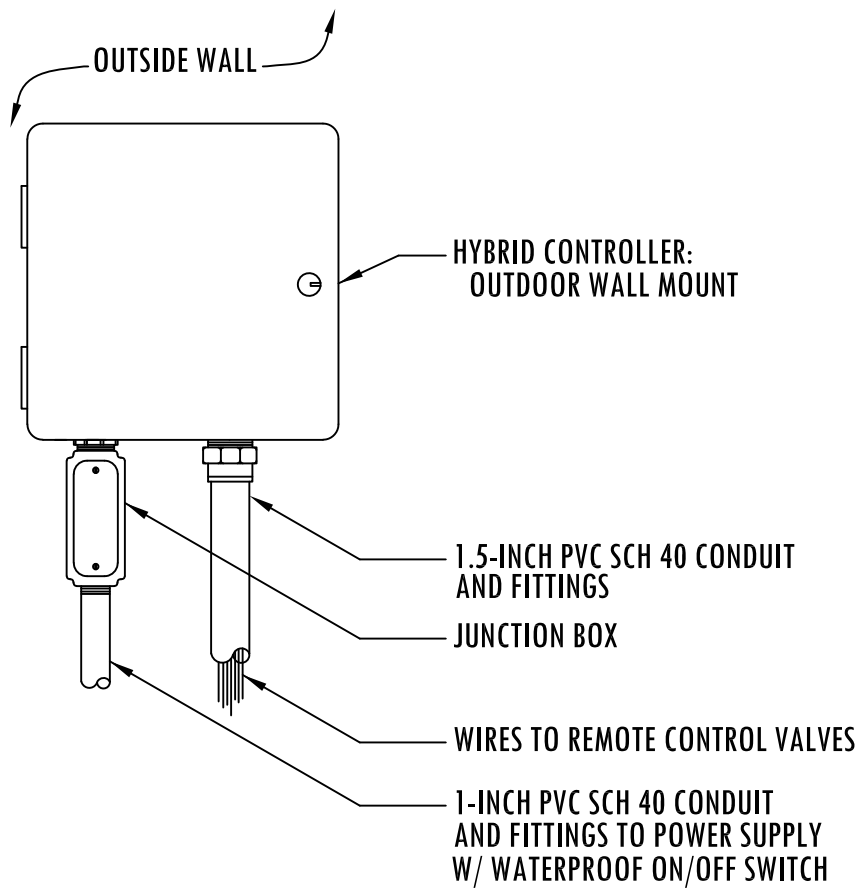
ISSUANCE:
2022-12-13 PRICING PLANS

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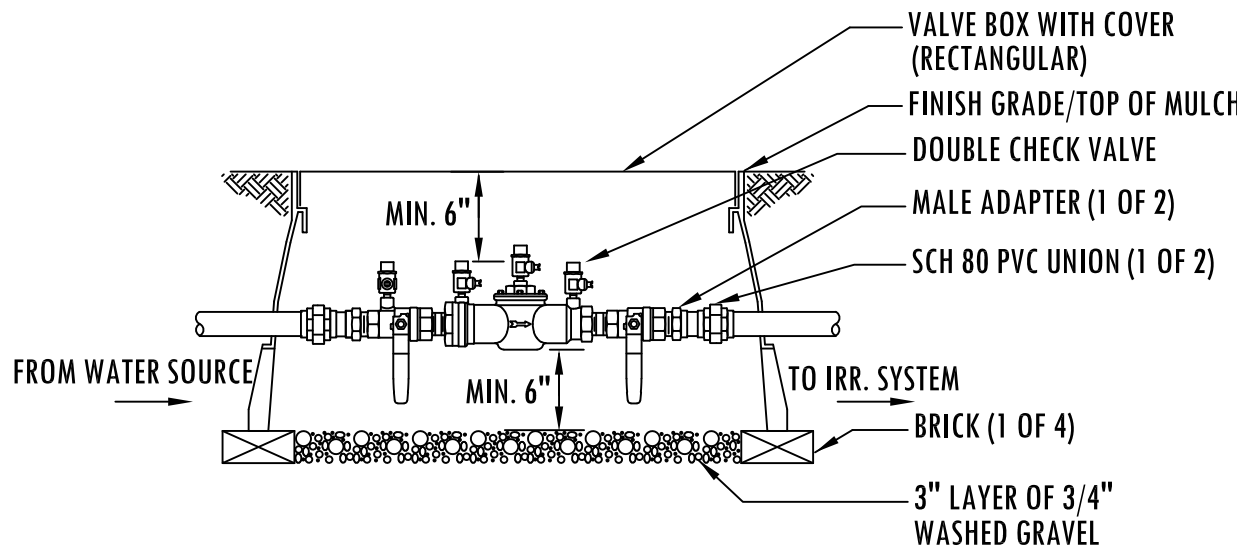
PLANTING
DETAILS

SHEET NUMBER:

C-210

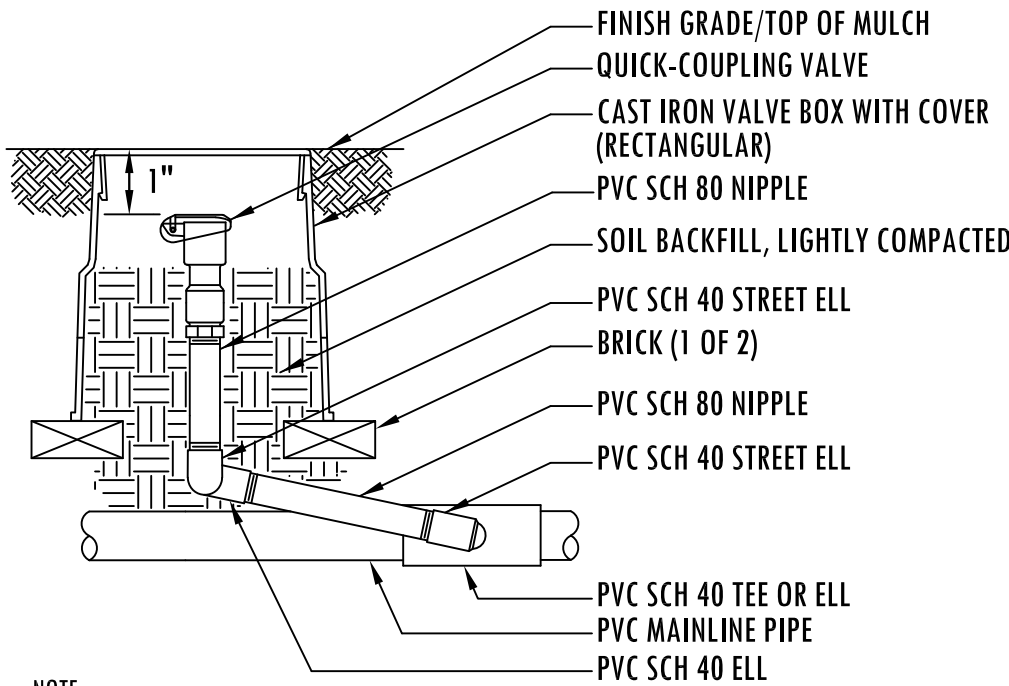


A CONTROLLER
N.T.S.



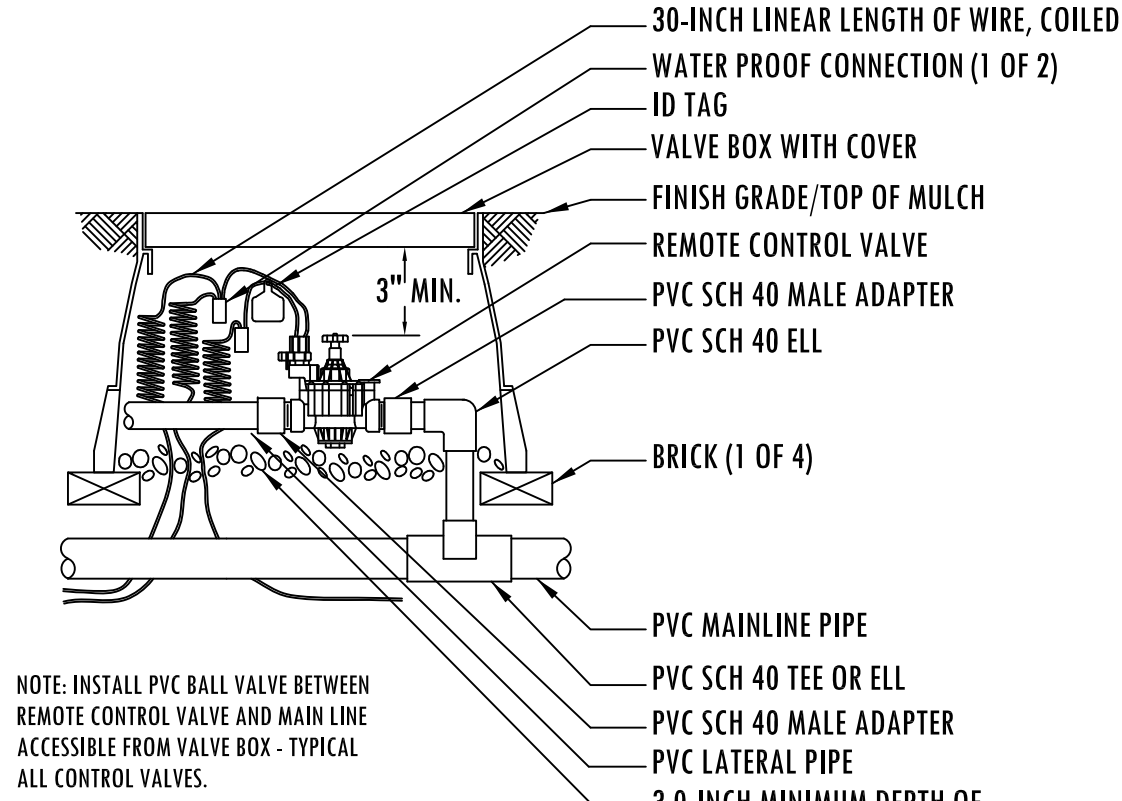
NOTE:
1. INSTALL WATTS BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION.

B BACKFLOW PREVENTER
N.T.S.



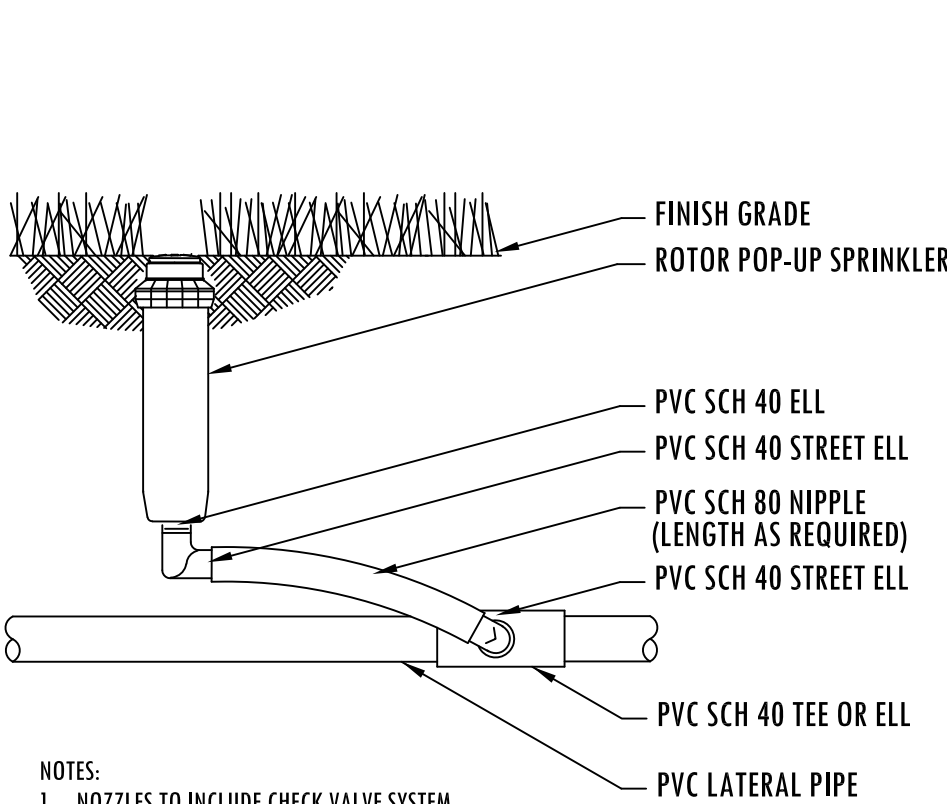
NOTE:
1. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.
2. INSTALL PVC BALL VALVE BETWEEN COUPLING VALVE AND MAIN LINE ACCESSIBLE FROM VALVE BOX.

C QUICK-COUPLING VALVE
N.T.S.



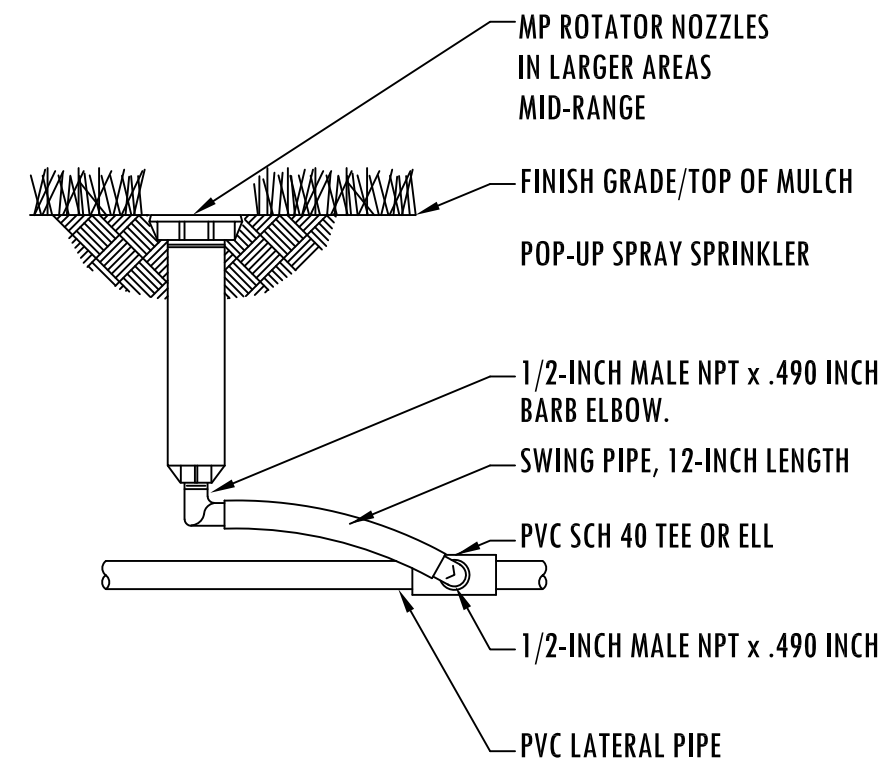
NOTE: INSTALL PVC BALL VALVE BETWEEN REMOTE CONTROL VALVE AND MAIN LINE ACCESSIBLE FROM VALVE BOX - TYPICAL ALL CONTROL VALVES.

D REMOTE CONTROL VALVE
N.T.S.



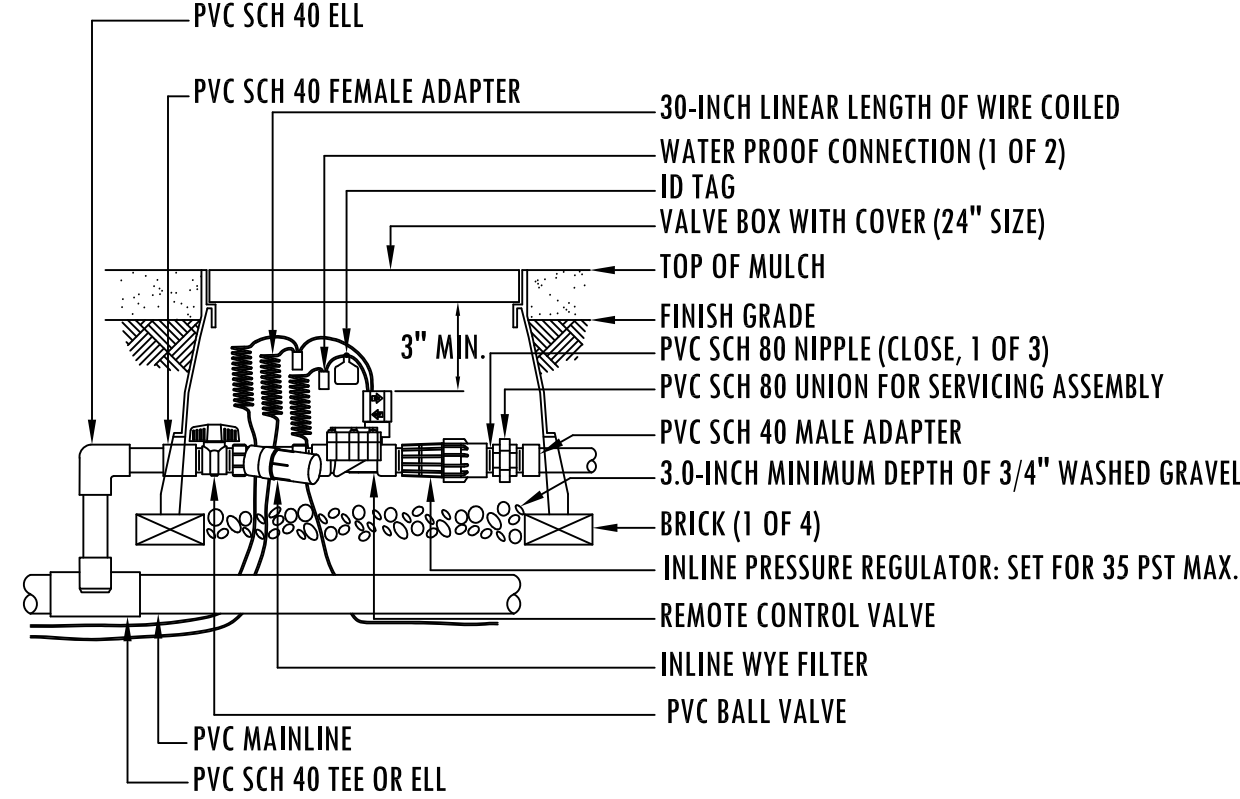
NOTES:
1. NOZZLES TO INCLUDE CHECK VALVE SYSTEM.
2. HEADS TO BE STAINLESS STEEL

E ROTOR POP-UP SPRINKLER
N.T.S.

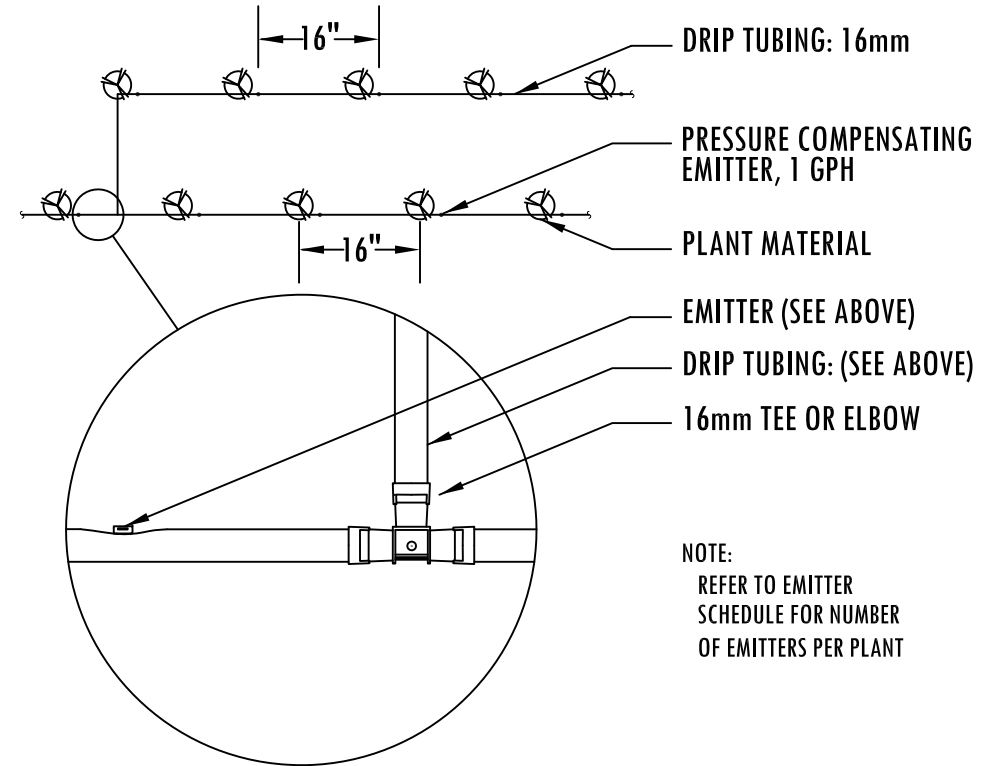


NOTES:
1. NOZZLES TO INCLUDE CHECK VALVE SYSTEM.
2. HEADS TO BE STAINLESS STEEL

F POP-UP SPRAY SPRINKLER
N.T.S.

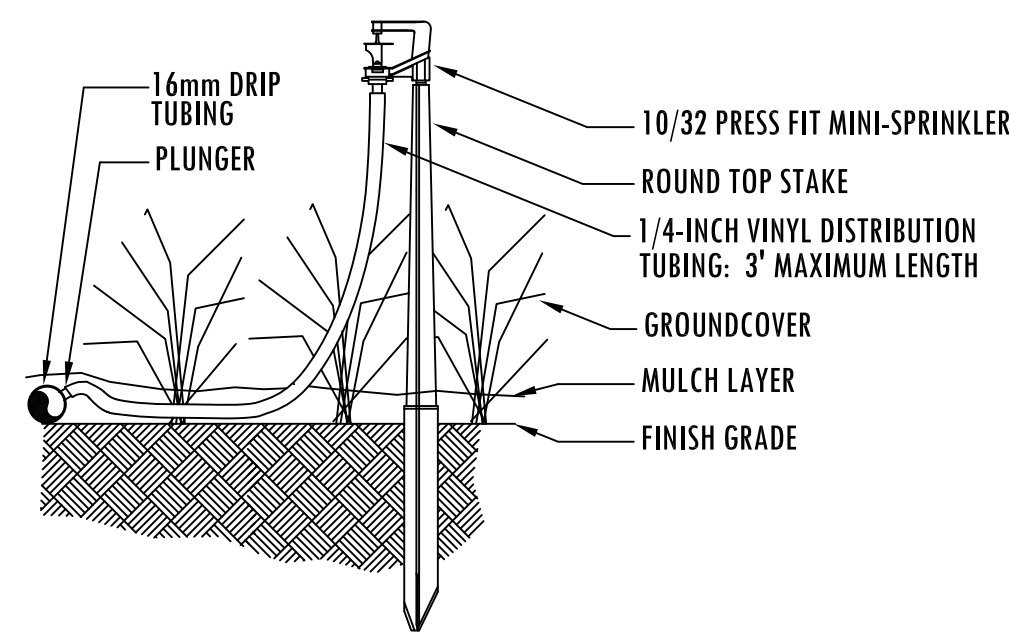


G DRIP & MICRO-IRRIGATION CONTROL ZONE
N.T.S.

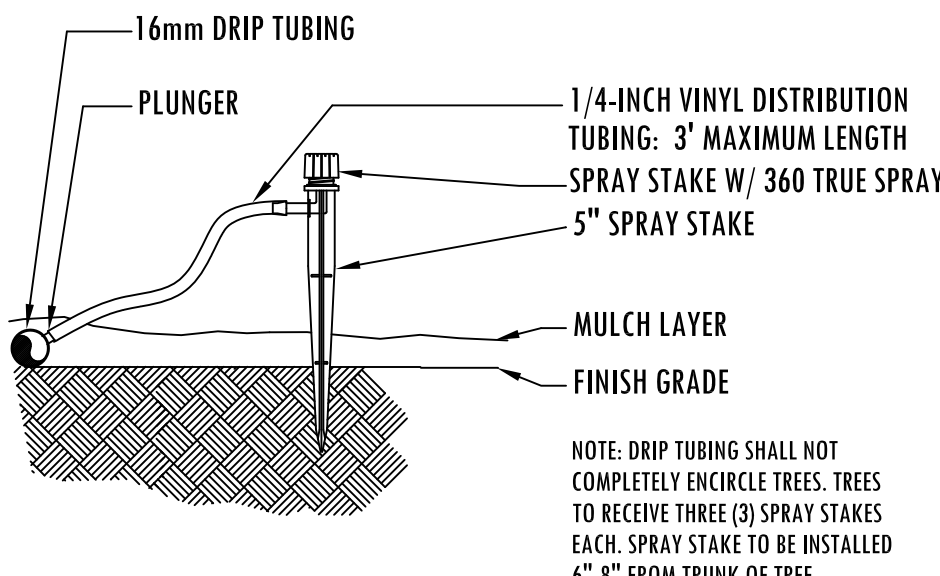


NOTE: REFER TO EMITTER SCHEDULE FOR NUMBER OF EMITTERS PER PLANT

H DRIP TUBING FOR SHRUBS
N.T.S.

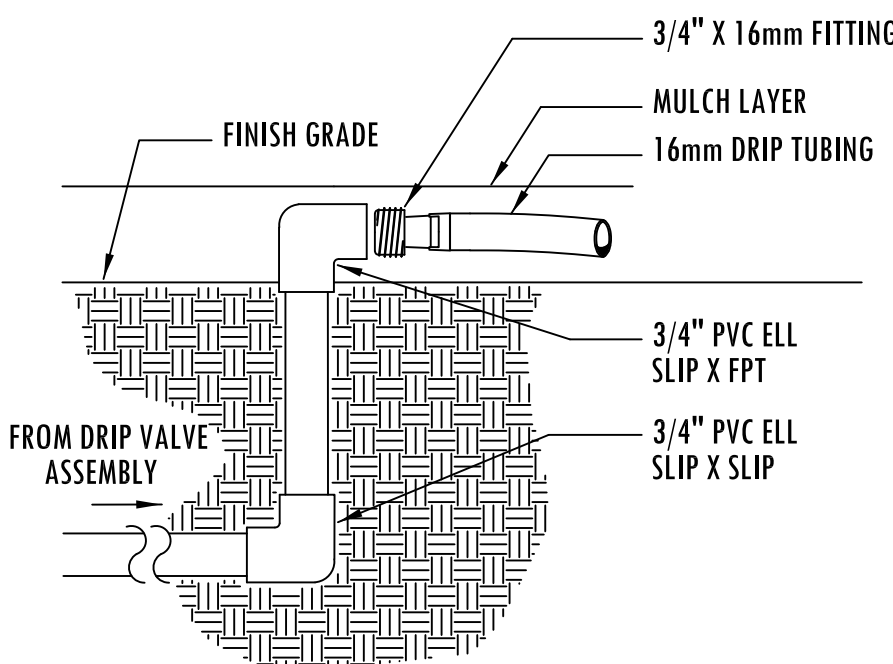


I MINI SPRINKLER
N.T.S.

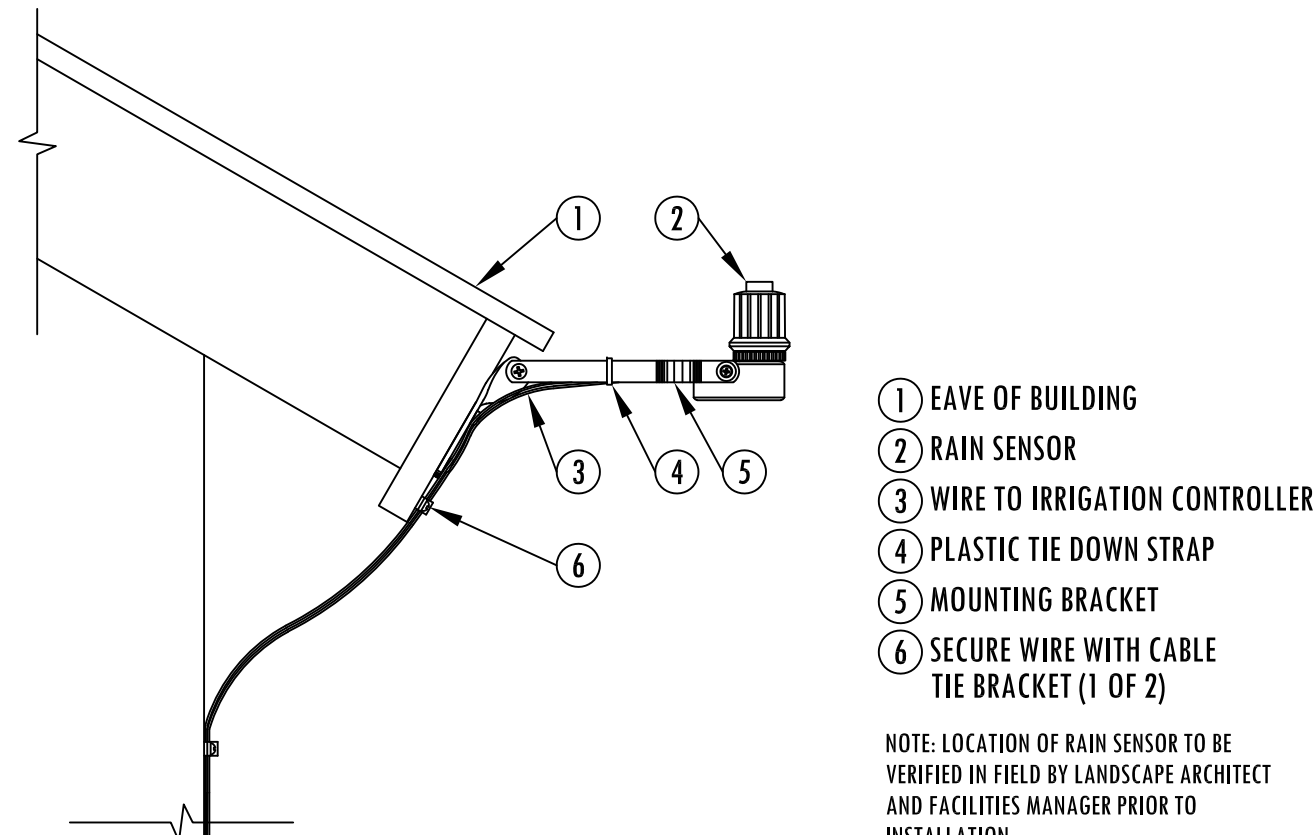


NOTE: DRIP TUBING SHALL NOT COMPLETELY ENCIRCLE TREES. TREES TO RECEIVE THREE (3) SPRAY STAKES EACH. SPRAY STAKES TO BE INSTALLED 6"-8" FROM TRUNK OF TREE.

J SPRAY STAKE
N.T.S.



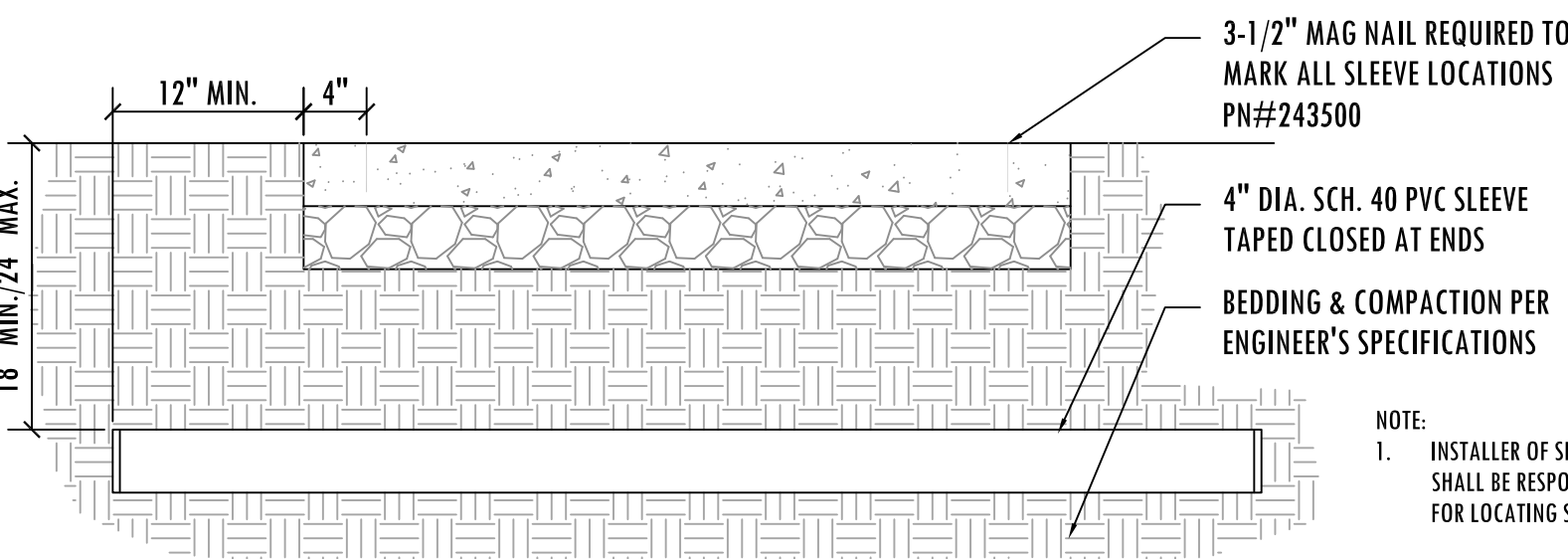
K PVC TO DRIP TUBING CONNECTION
N.T.S.



1. EAVE OF BUILDING
2. RAIN SENSOR
3. WIRE TO IRRIGATION CONTROLLER
4. PLASTIC TIE DOWN STRAP
5. MOUNTING BRACKET
6. SECURE WIRE WITH CABLE TIE BRACKET (1 OF 2)

NOTE: LOCATION OF RAIN SENSOR TO BE VERIFIED IN FIELD BY LANDSCAPE ARCHITECT AND FACILITIES MANAGER PRIOR TO INSTALLATION.

L RAIN SENSOR
N.T.S.



M BORE/SLEEVE DETAIL
N.T.S.

CONTRACTOR NOTES

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FULLY FUNCTIONAL IRRIGATION SYSTEM PROVIDING DRIP IRRIGATION TO ALL TREES AND SHRUBS AND SPRAY IRRIGATION TO TURF AREAS. SHOP DRAWINGS TO INDICATE TYPES OF PROPOSED MATERIALS (ALL PIPING, VALVES, HEADS, AND CONTROLS), ZONES OF OPERATION, CONTROLLER LOCATION AND ELECTRICAL FEED. SYSTEM TO INCLUDE RAIN SENSOR. SYSTEM TO TIE TO EXISTING DOMESTIC WATER LINE AND SHOULD INCLUDE BACKFLOW PREVENTOR AND GATE VALVE AT CONNECTION INSTALLED BY CONTRACTOR. COORDINATE LOCATION OF ALL COMPONENTS WITH LANDSCAPE ARCHITECT AND OWNER.

2. CONTRACTOR TO PROVIDE HARD COPY AND DIGITAL OF AS BUILT IRRIGATION PLANS TO OWNER.

GENERAL NOTES

1. THE CONTRACTORS ATTENTION IS CALLED TO THE FACT THAT THERE ARE OTHER ACTIVE UTILITIES AND SERVICES IN AND AROUND THE SITE. CONTRACTOR IS RESPONSIBLE FOR LOCATING THESE TO AVOID DAMAGE TO THEM.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ON-SITE UTILITIES, STRUCTURES, OR PAYING RESULTING FROM IRRIGATION CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ALL CODES AND ORDINANCES RELEVANT TO THE WORK UNDER THIS CONTRACT.
4. CONTRACTOR SHALL INSTALL ALL POP-UP SPRINKLER HEADS 3" FROM EDGE OF CURB. ALL ABOVE GROUND SPRINKLERS (MICRO-IRRIGATION) SHALL BE A MINIMUM OF 12" FROM CURB/WALK EDGES.
5. CONTRACTOR TO REFER TO LANDSCAPE PLAN TO KEEP SPRINKLER EQUIPMENT AND ACCESSORY MATERIAL FROM INTERFERING WITH PROPER PLANTING.
6. CONTRACTOR TO BE RESPONSIBLE FOR PROPER COVERAGE OF AREAS TO BE WATERED. I.E. ADJUST HEADS WITH INSUFFICIENT COVERAGE DUE TO BLOCKAGE BY EXISTING OR PROPOSED SITE FEATURES.
7. ALL EQUIPMENT NOT SPECIFIED IN THE LEGEND SHALL BE DETERMINED AND FURNISHED BY THE CONTRACTOR.
8. SPRINKLER AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS.
9. SYSTEM IS DIAGRAMMATIC TO IMPROVE CLARITY. ALL MAINLINE PIPING, ELECTRIC VALVES, AND WIRING ARE TO BE INSTALLED IN LANDSCAPE AREAS AND WITHIN PROPERTY BOUNDARIES. CONTRACTOR SHALL REFERENCE THE LANDSCAPE PLAN PRIOR TO THE INSTALLATION OF PIPING TO AVOID CONTACT WITH PLANT MATERIAL.(NEW OR EXIST.)
10. ALL MATERIAL TO BE SUPPLIED TO OWNER BY CONTRACTOR:
 - A. TWO WRENCHES FOR DISASSEMBLING AND ADJUSTING EACH TYPE OF SPRINKLER HEAD AND VALVE TYPE.
 - B. TWO KEYS FOR EACH OF THE AUTOMATIC CONTROLLERS.
 - C. TWO QUICK COUPLER KEYS WITH MATCHING HOSE SWIVELS.
11. NO ROCKS, BOULDERS, OR OTHER EXTRANEOUS MATERIALS TO BE USED IN BACKFILLING OF TRENCH.
12. ALL PIPE TO BE INSTALLED AS PER MANUFACTURERS SPECIFICATIONS.
13. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE.
14. ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
15. CONTRACTOR TO UTILIZE APPROPRIATE AUTOMATIC DRAIN DEVICE WHERE LOW HEAD DRAINAGE MAY OCCUR.
16. ALL ELECTRICAL JOINTS TO BE MADE USING WATERPROOF CONNECTIONS. (SEE SPECS.)
17. NO ELECTRICAL CONNECTIONS SHALL BE MADE IN FIELD EXCEPT AT A VALVE CONTROL BOX OR ANOTHER VALVE BOX SPECIFICALLY FOR CONNECTIONS.
18. ALL 24 VOLT WIRE SHALL BE #14 UF/UL FOR COMMON AND CONTROL WIRE, DIRECT BURIAL, SOLID COPPER.
19. ALL 24 VOLT WIRE SHALL BE COLOR CODED: COMMON-WHITE, CONTROL-RED.
20. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDED GROUNDING EQUIPMENT FOR POWER SUPPLY AND VALVE OUTPUT WITH (2) 5/8" COPPER CLAD GROUND RODS.
21. CONTRACTOR SHALL INSTALL MANUFACTURERS' RECOMMENDATION ON FAULT GROUND AND LIGHTNING PROTECTION.
22. MIN. DEPTH FOR MAIN LINES TO BE 18". MIN. DEPTH FOR LATERALS TO BE 18".
23. SCHEDULE 40 PVC PIPE TO BE USED FOR MAIN LINES AND LATERALS LINES.
24. DRIP TUBING SHALL NOT COMPLETELY ENCIRCLE TREE TRUNKS. EACH TREE TO RECEIVE (3) SPRAY STAKES.
25. MAIN LINES TO HAVE TAGGED LOCATOR WIRES. LOCATION OF TRACER WIRE TO BE SHOWN ON AS BUILT.
26. MAIN LINES AND LATERAL LINES SHALL NOT BE LOCATED WITHIN 5' OF BUILDING FOOTPRINT.
27. VALVES TO BE CENTRALLY LOCATED IN PLANTING BEDS IN ONE OR TWO LOCATIONS ON PROJECT SITE.
28. PVC TO BE CLEANED AND GLUED.

SLEEVING NOTES

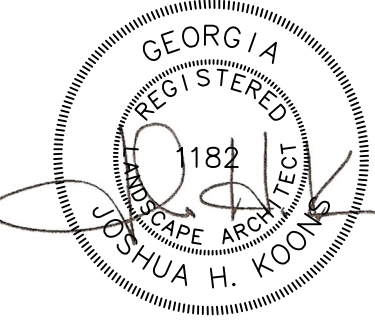
1. THE LOCATIONS OF SLEEVES, AS SHOWN ON THIS PLAN, ARE SCHEMATIC. THE CONTRACTOR SHALL MAKE ANY ADJUSTMENTS NECESSARY TO ACCOMADATE EXISTING VEGETATION, UTILITIES, OR OTHER MAJOR CONSTRUCTION.
2. ANY DAMAGE TO EXISTING UTILITIES, STRUCTURES, OR OTHER CONSTRUCTION RESULTING FROM INSTALLATION OF SLEEVES IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL SLEEVES SHALL BE SCHEDULE 40 SOLVENT WELD PVC PIPE.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING AND UNCOVERING THE ENDS OF ALL SLEEVES.

CONTRACTOR TO PROVIDE ALTERNATE PRICE FOR GATOR BAGS & 12 MONTHS OF HAND WATERING IN LIEU OF PERMANENT IRRIGATION

KOONS
ENVIRONMENTAL
DESIGN inc.

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LANDSCAPE IMPROVEMENTS
CARROLLTON, GA

PROJECT NO:

DRAWN BY: DJ

CHECKED BY: JK

SCALE: AS NOTED

ISSUANCE:

2022-12-13 PRICING PLANS

SHEET TITLE:

IRRIGATION
DETAILS

SHEET NUMBER:

C-211