


# CITY OF ALPHARETTA, GEORGIA

## LANDSCAPE STANDARDS INDEX

- L-1 TREE PLANTING  
(TYPICAL SECTION)
- L-2 TREE ANCHORING - TYPE A  
(FOR TREES LARGER THAN 2 INCHES CALIPER)
- L-3 TREE ANCHORING - TYPE B  
(FOR TREES UP TO 2 INCHES CALIPER)
- L-4 TREE ANCHORING - TYPE C  
(FOR CONTAINER GROWN TREES OR B&B TREES UP TO 2 INCHES CALIPER)
- L-5 TREE PLANTING IN PARKING LOTS  
(TYPICAL SECTION)
- L-6 TREE PROTECTION / L.O.D. FENCING
- L-7 SHRUB PLANTING BED
- L-8 ROOT BARRIER DETAIL  
(FOR PUBLIC SIDEWALKS OR CURBING)
- L-9 TREE PROTECTION - WOOD SLATS
- L-10 TREE WELL IN BRICK SIDEWALK

TREE GRADING CUE CARD

(PROVIDED BY ROOTS PLUS FIELD GROWERS ASSOCIATION OF FLORIDA)

 <p>THE CITY OF <b>ALPHARETTA</b> GEORGIA</p>		
BY	REVISION	DATE

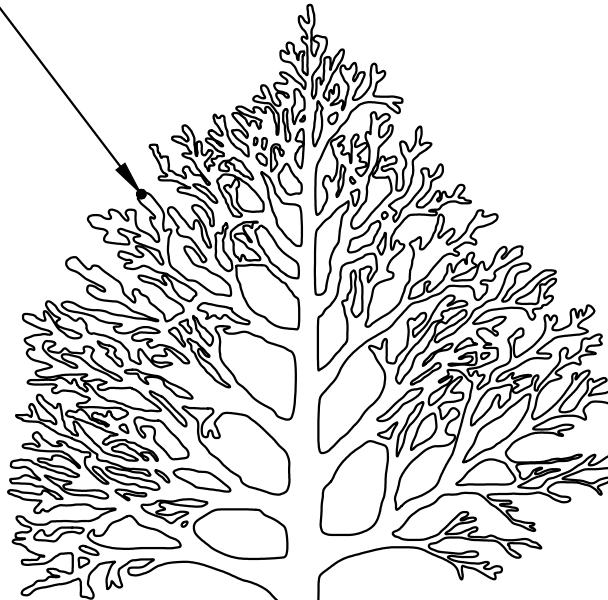
COVER SHEET

08/01/2015

INDEX

## CROWN

SET AND MAINTAIN IN A PLUMB VERTICAL POSITION. PRUNE ALL DEAD, DAMAGED OR CROSSING BRANCHES AND ALL WATERSPOUTS AND SUCKERS. DO NOT CUT CENTRAL LEADER OR OTHER BRANCH TIPS.



## ORGANIC MULCH

2" TO 4" DEEP TO LIMITS OF CULTIVATED AREA. KEEP 2" AWAY FROM TRUNK.

## ROOT BALL

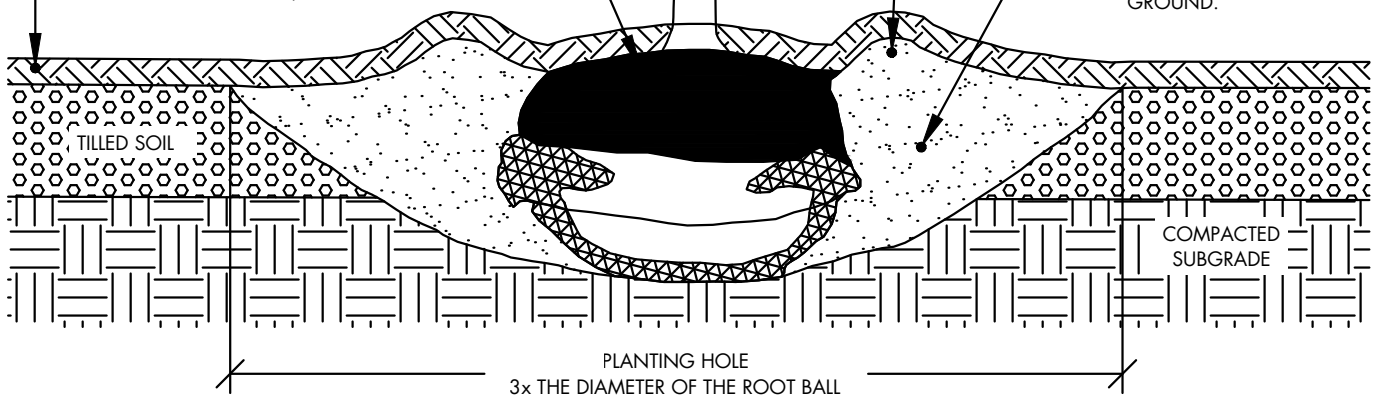
REMOVE ALL STRAPPING. CUT AND REMOVE AT LEAST TOP 2 RINGS OF WIRE BASKET. CUT AND REMOVE AT LEAST TOP 12" OF BURLAP. CUT ENCIRCLING ROOTS (CONTAINER-GROWN TREES).

## WATER RING

USE ONLY IF TREES ARE TO BE HAND WATERED WITH A HOSE. BUILD NO HIGHER THAN 3" AND PLACE JUST BEYOND ROOT BALL. DESTROY AFTER ONE GROWING SEASON.

## PLANTING HOLE

DIG ONLY DEEP ENOUGH TO HAVE TOP OF ROOT BALL AT GRADE OR 2" HIGHER IN HEAVY OR POORLY DRAINED SOILS. SLOPE SIDES 45° AND SCARIFY IF NECESSARY. SET ROOT BALL ON SOLID GROUND.



## TREE PLANTING (TYPICAL SECTION)

08/01/2015

STD. L-1

BY	REVISION	DATE

### STAKES

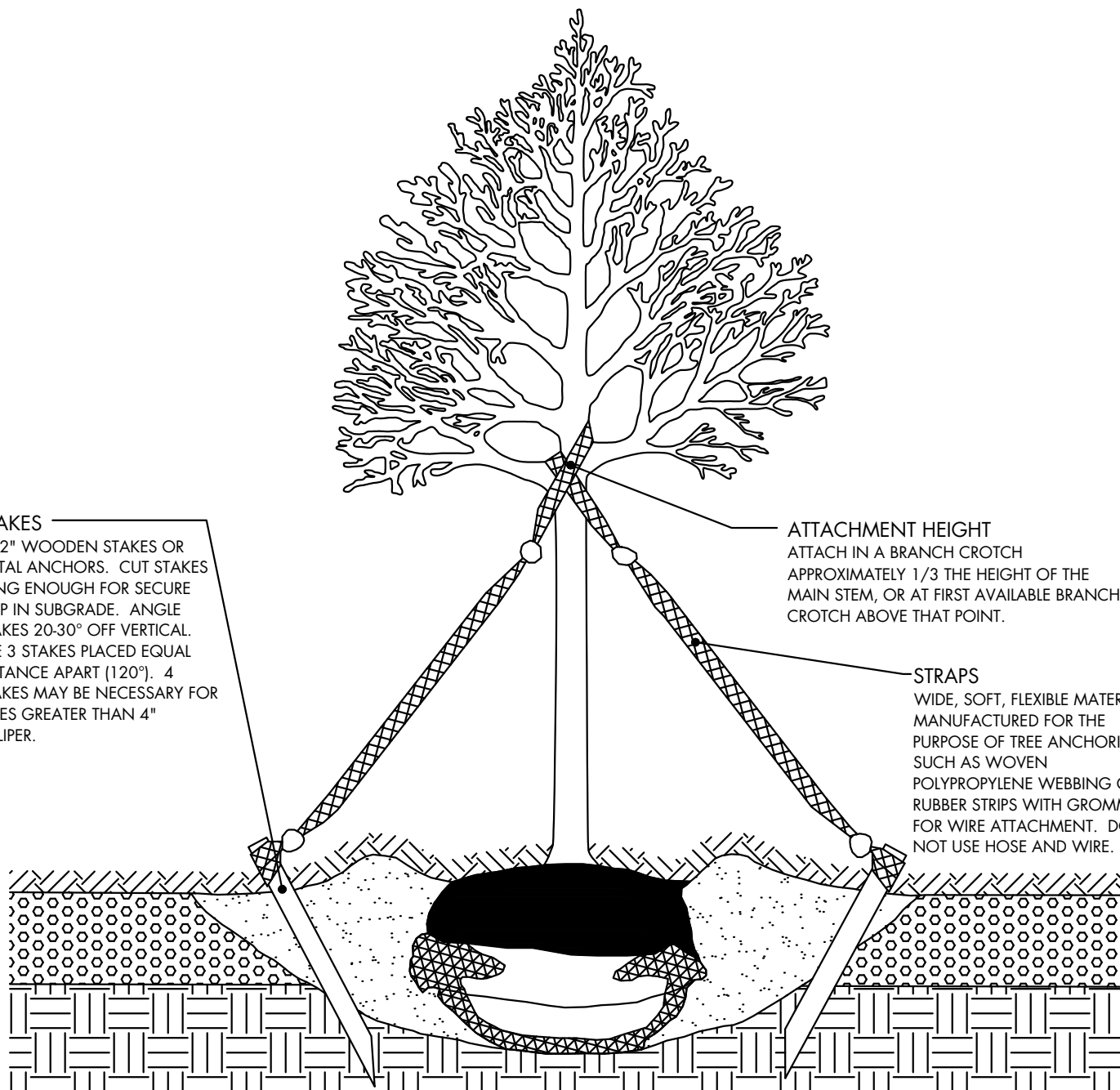
2"x2" WOODEN STAKES OR METAL ANCHORS. CUT STAKES LONG ENOUGH FOR SECURE GRIP IN SUBGRADE. ANGLE STAKES 20-30° OFF VERTICAL. USE 3 STAKES PLACED EQUAL DISTANCE APART (120°). 4 STAKES MAY BE NECESSARY FOR TREES GREATER THAN 4" CALIPER.

### ATTACHMENT HEIGHT

ATTACH IN A BRANCH CROTCH APPROXIMATELY 1/3 THE HEIGHT OF THE MAIN STEM, OR AT FIRST AVAILABLE BRANCH CROTCH ABOVE THAT POINT.

### STRAPS

WIDE, SOFT, FLEXIBLE MATERIAL MANUFACTURED FOR THE PURPOSE OF TREE ANCHORING SUCH AS WOVEN POLYPROPYLENE WEBBING OR RUBBER STRIPS WITH GROMMETS FOR WIRE ATTACHMENT. DO NOT USE HOSE AND WIRE.



USE ANCHORING SYSTEMS ONLY WHERE WIND OR SOIL CONDITIONS MAKE IT NECESSARY OR AS REQUIRED BY CITY ARBORIST. REMOVE AFTER ONE YEAR.



BY	REVISION	DATE

## TREE ANCHORING - TYPE A

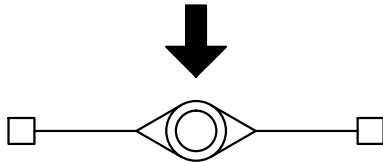
(FOR TREES LARGER THAN 2 INCHES CALIPER)

08/01/2015

STD. L-2

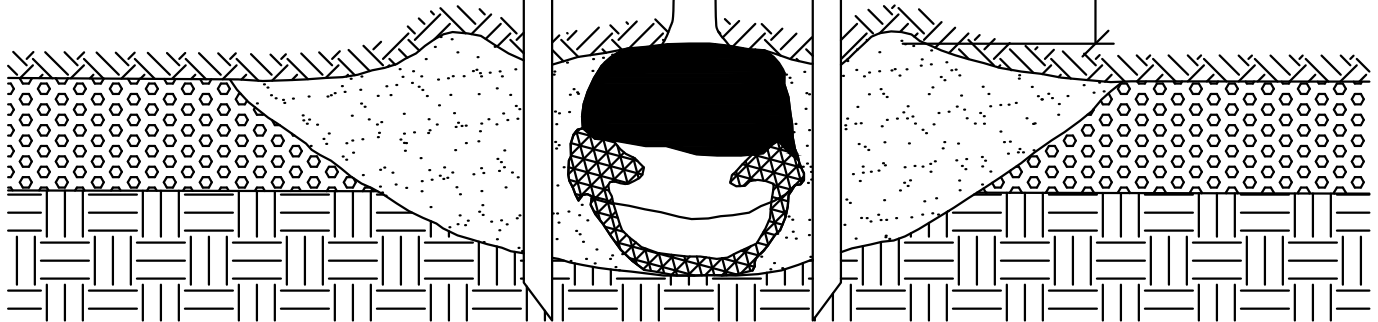
**STAKES**  
2"x2"x5' WOODEN STAKES OR  
5' LONG METAL FENCE POSTS.  
PLACE PERPENDICULAR TO  
PREVAILING SUMMER WINDS.

WEST WIND



**STRAPS**  
WIDE, SOFT, FLEXIBLE MATERIAL  
MANUFACTURED FOR THE  
PURPOSE OF TREE ANCHORING.  
TWO EXAMPLES SHOWN HERE  
ARE A WOVEN POLYPROPYLENE  
WEBBING AND A RUBBER STRIP  
WITH GROMMETS FOR WIRE  
ATTACHMENT.

**ATTACHMENT HEIGHT**  
ATTACH AT APPROXIMATELY 1/3 THE  
HEIGHT OF THE MAIN STEM.



USE ANCHORING SYSTEMS ONLY WHERE WIND OR SOIL  
CONDITIONS MAKE IT NECESSARY. REMOVE AFTER ONE YEAR.



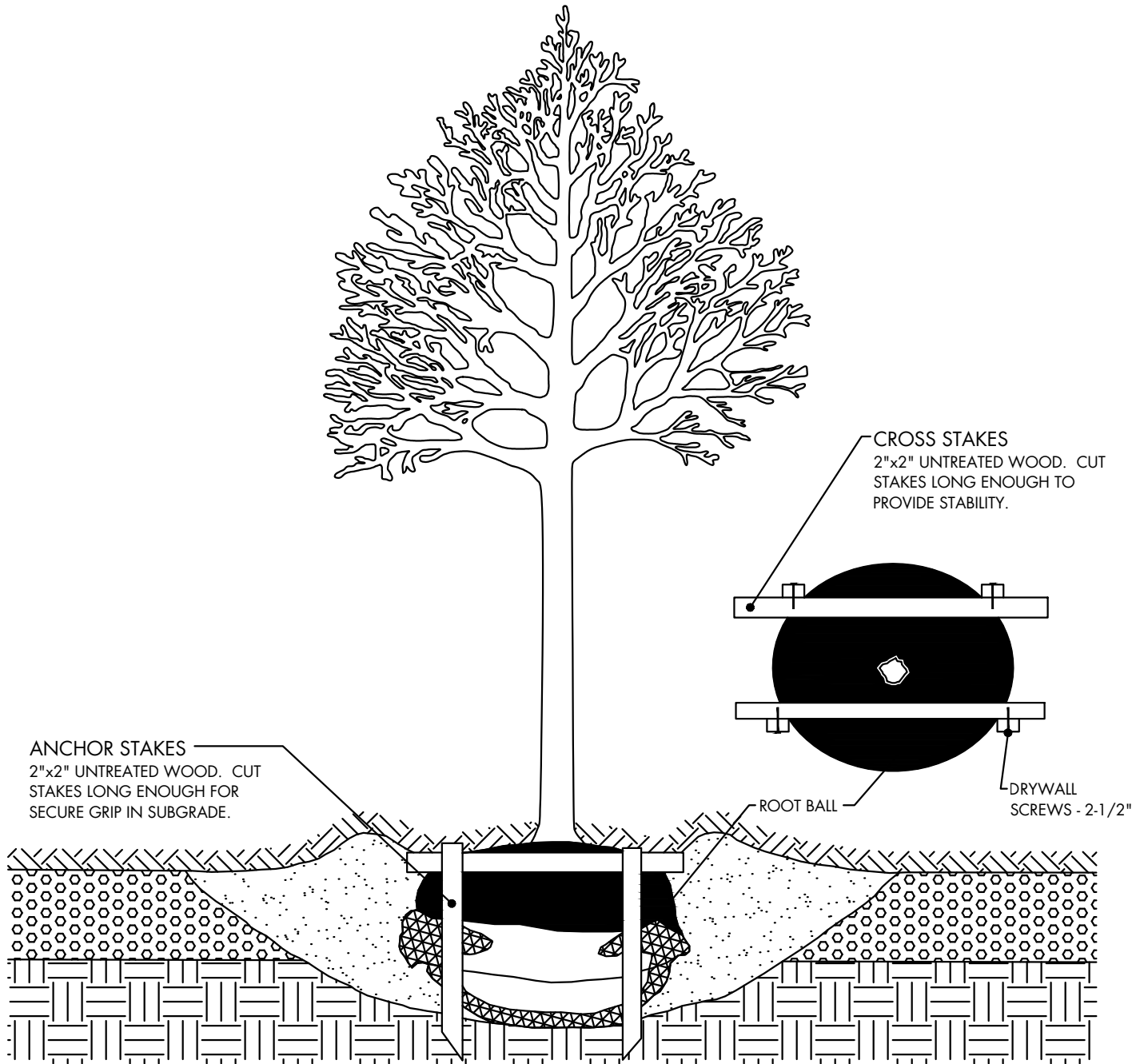
**TREE ANCHORING - TYPE B**  
(FOR TREES UP TO 2 INCHES CALIPER OR FOR  
TREES IN BEAUTY STRIPS, SIDEWALK CUTOUTS,  
PLANTING PITS, ETC.)

08/01/2015


**STD. L-3**

NOTE: THIS DETAIL MAY BE UTILIZED FOR TREES  
GREATER THAN 2 INCHES CALIPER WHICH ARE TO BE  
PLANTED IN BEAUTY STRIPS, SIDEWALK CUTOUTS,  
PLANTING PITS, AND SIMILAR LOCATIONS WHERE  
THERE IS NO ROOM FOR STRAPPING AS PER STD. L-2.

BY	REVISION	DATE



USE ANCHORING SYSTEMS ONLY WHERE WIND OR SOIL CONDITIONS MAKE IT NECESSARY. REMOVE AFTER ONE YEAR.

<p>THE CITY OF</p>  <p>ALPHARETTA</p> <p>GEORGIA</p>		
BY	REVISION	DATE

**TREE ANCHORING - TYPE C**  
 (FOR CONTAINER GROWN TREES OR  
 B&B TREES UP TO 2 INCHES CALIPER)

08/01/2015

**STD. L-4**

# GROUND COVER

COVER ENTIRE PLANTER AREA WITH 2-4" DEEP ORGANIC MULCH. USE GROUND COVER OR SHRUBS ONLY AS SHOWN ON THE CITY OF ALPHARETTA APPROVED LANDSCAPE PLAN (FOR LAND DISTURBANCE PERMIT).

PLANTING HOLE  
TAMP SOIL BENEATH TREE FIRMLY TO PREVENT SETTLING.

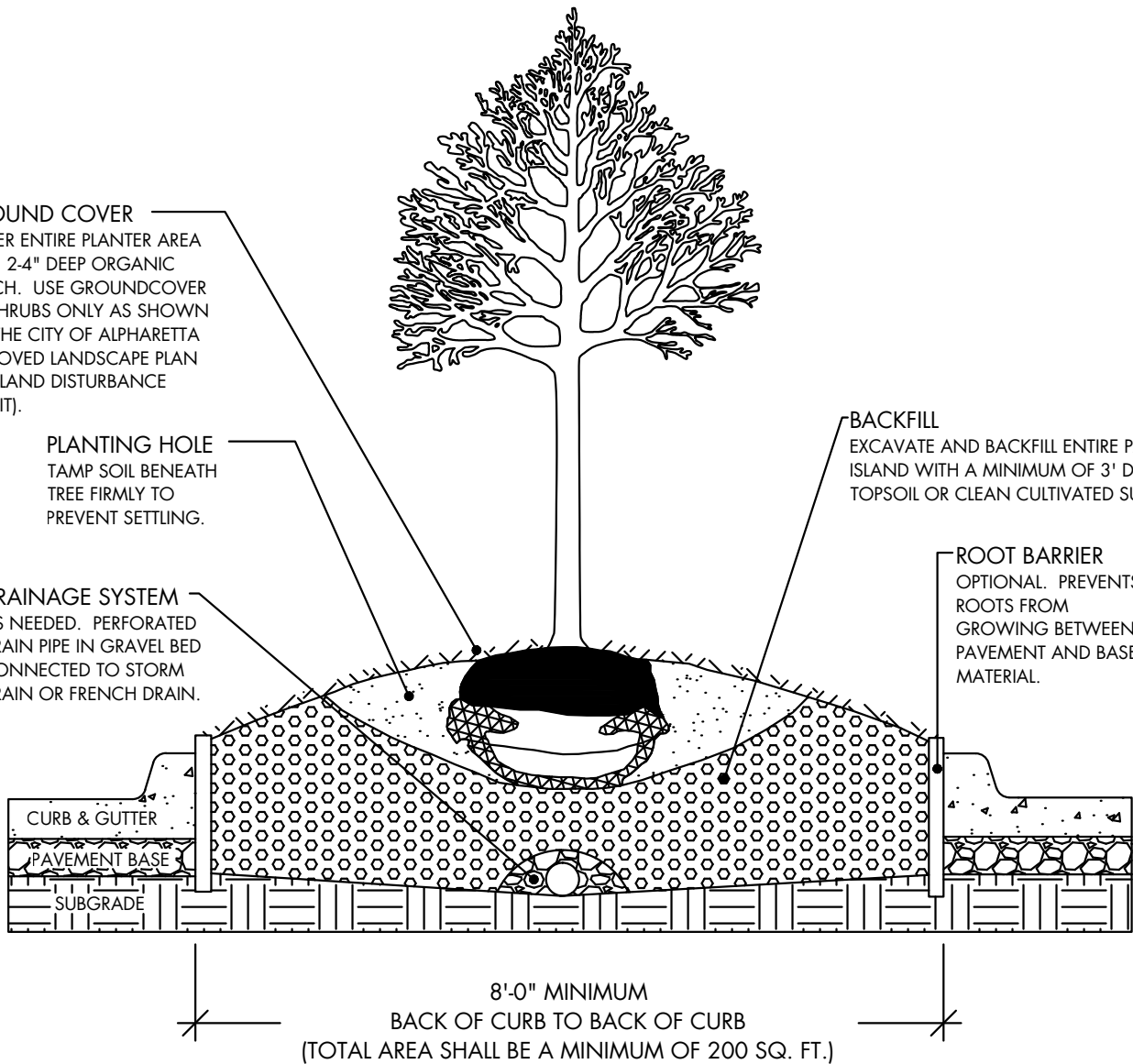
DRAINAGE SYSTEM  
AS NEEDED. PERFORATED DRAIN PIPE IN GRAVEL BED CONNECTED TO STORM DRAIN OR FRENCH DRAIN.

# BACKFILL

EXCAVATE AND BACKFILL ENTIRE PARKING LOT ISLAND WITH A MINIMUM OF 3' DEEP FRIABLE TOPSOIL OR CLEAN CULTIVATED SUBSOIL.

# ROOT BARRIER

OPTIONAL. PREVENTS ROOTS FROM GROWING BETWEEN PAVEMENT AND BASE MATERIAL.



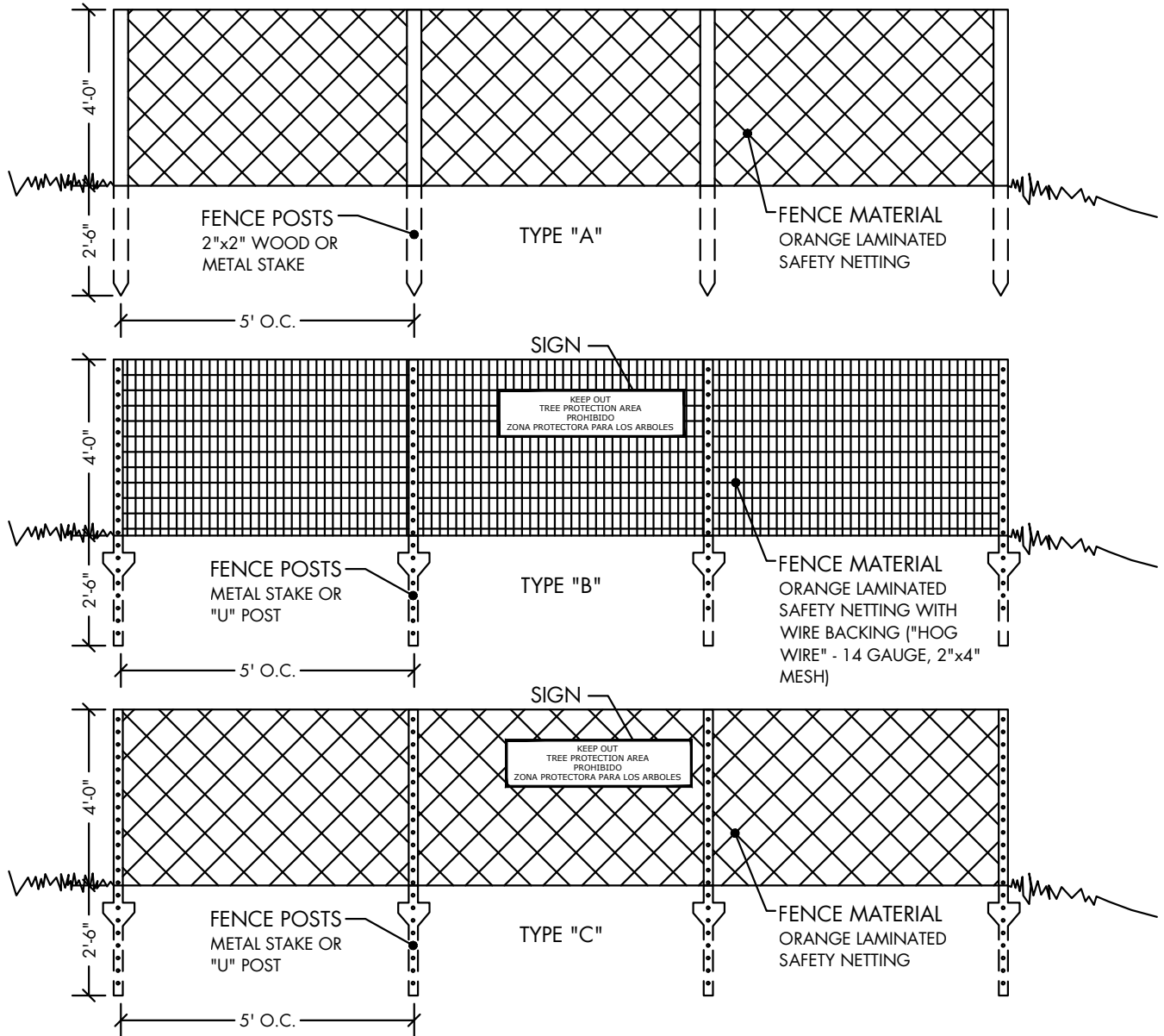
## TREE PLANTING IN PARKING LOTS (TYPICAL SECTION)

08/01/2015

STD. L-5

BY	REVISION	DATE

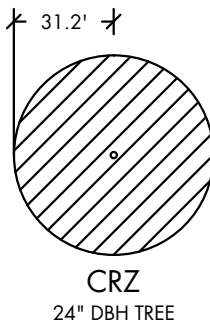
FENCE LOCATION  
AT LIMITS OF CRITICAL ROOT ZONE  
(CRZ RADIUS = 1.3' PER 1" DBH)  
OR AS SHOWN ON THE TREE PROTECTION PLAN



NOTES:

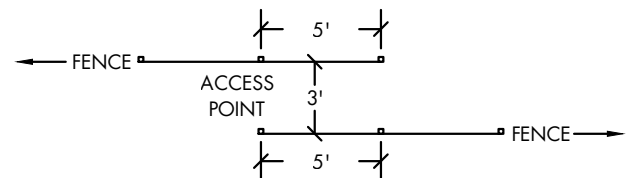
- ALL TREE PROTECTION DEVICES ARE TO BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE AND MAINTAINED UNTIL FINAL LANDSCAPING IS INSTALLED. NO PARKING, STORAGE OR OTHER CONSTRUCTION SITE ACTIVITIES ARE TO OCCUR WITHIN THE TREE PROTECTION AREA.
- PROVIDE 4" DEEP WOOD CHIP MULCH OVER ANY UNPROTECTED ROOT ZONE.
- MAKE CLEAN CUTS ON ROOTS EXPOSED BY GRADING AND BACKFILL IMMEDIATELY.
- INSTALLATION SHALL INVOLVE NO TRENCHING.
- SIGNS TO BE PLACED AT 50' INTERVALS ALONG FENCING. SIGNS TO BE A MINIMUM OF 8½" X 11". SIGNS TO READ:

KEEP OUT  
TREE PROTECTION AREA  
PROHIBIDO  
ZONA PROTECTORA PARA LOS ARBOLES



ACCESS POINT

ALL TREE PROTECTION/LOD FENCING MUST HAVE A MINIMUM OF ONE ACCESS POINT EVERY 200' OF FENCING. ACCESS POINT SHALL BE CONSTRUCTED AS BELOW.

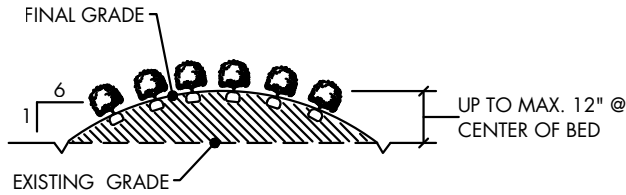


BY	REVISION	DATE

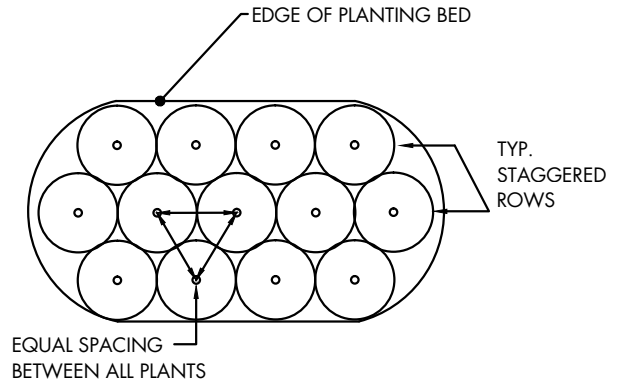
TREE PROTECTION / L.O.D.  
FENCING

08/01/2015

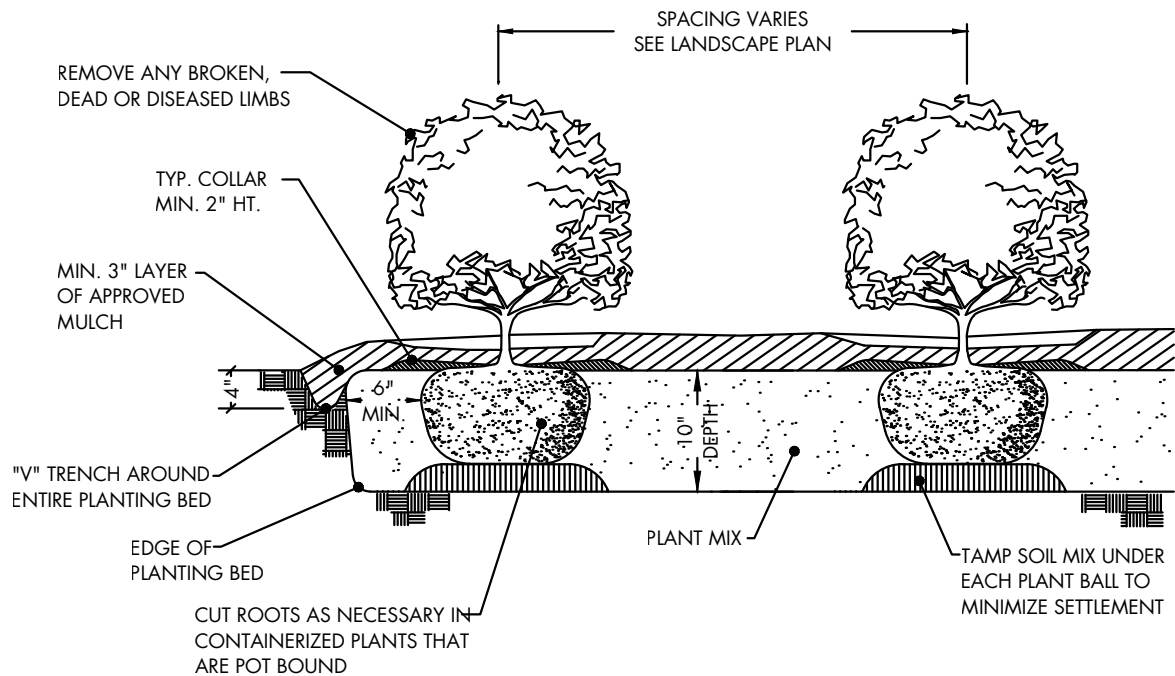
STD. L-6



TYPICAL BED MOUNDING



TYPICAL PLANTING BED PLAN



TYPICAL PLANTING BED DETAIL

NOTES:

1. OMIT COLLAR AROUND EACH SHRUB WHEN IRRIGATION SYSTEM IS PRESENT.
2. INSTALL TOP OF PLANT BALL 2"-3" ABOVE ADJACENT GRADE.
3. TAMP PLANTING MIX FIRMLY AS PIT IS FILLED AROUND EACH PLANT BALL.
4. SOAK EACH PLANT BALL AND PIT IMMEDIATELY AFTER INSTALLATION.

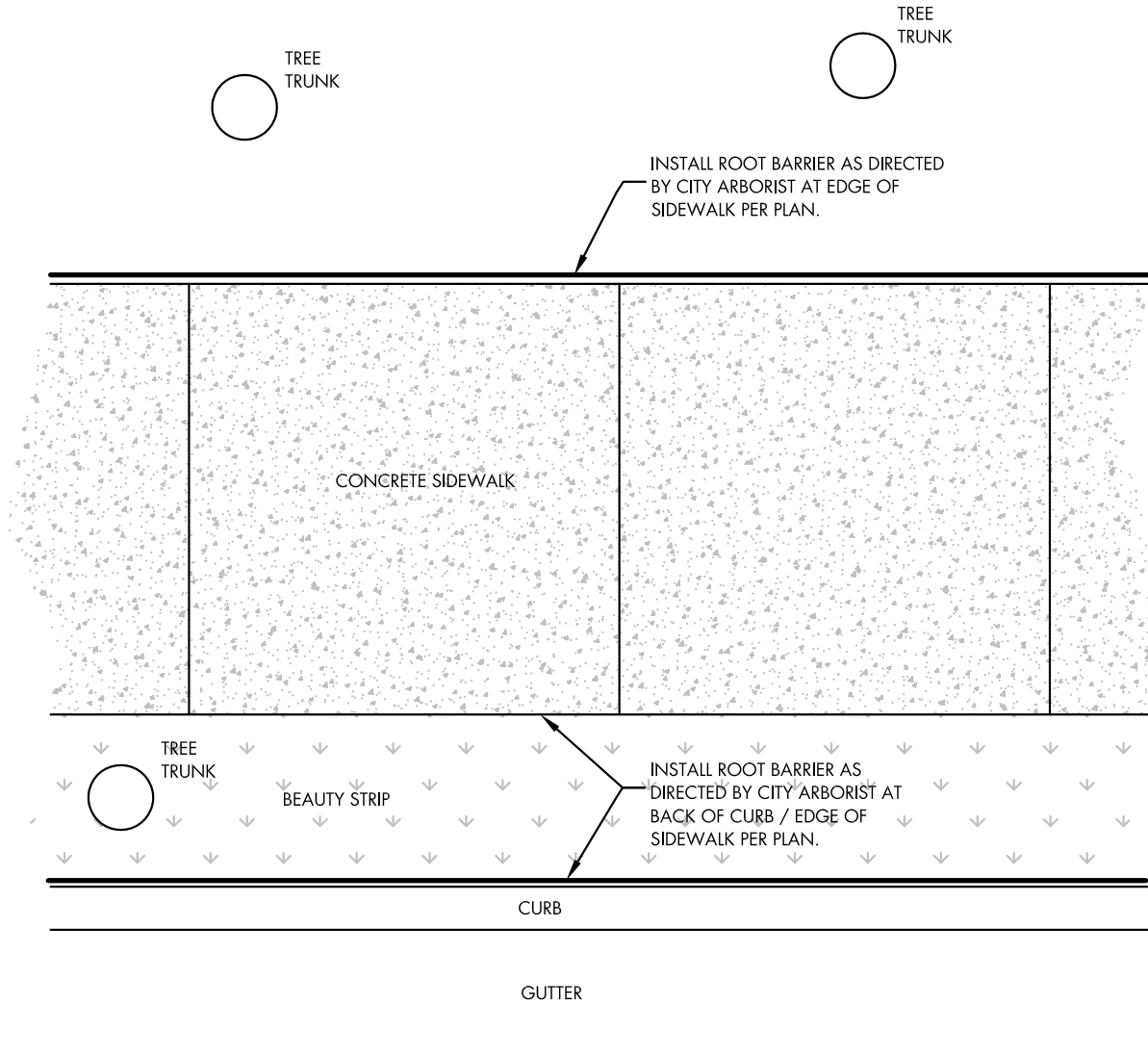
<p>THE CITY OF</p> <p><b>ALPHARETTA</b></p> <p>GEORGIA</p>		
BY	REVISION	DATE

SHRUB PLANTING BED

08/01/2015

STD. L-7





**NOTES:**

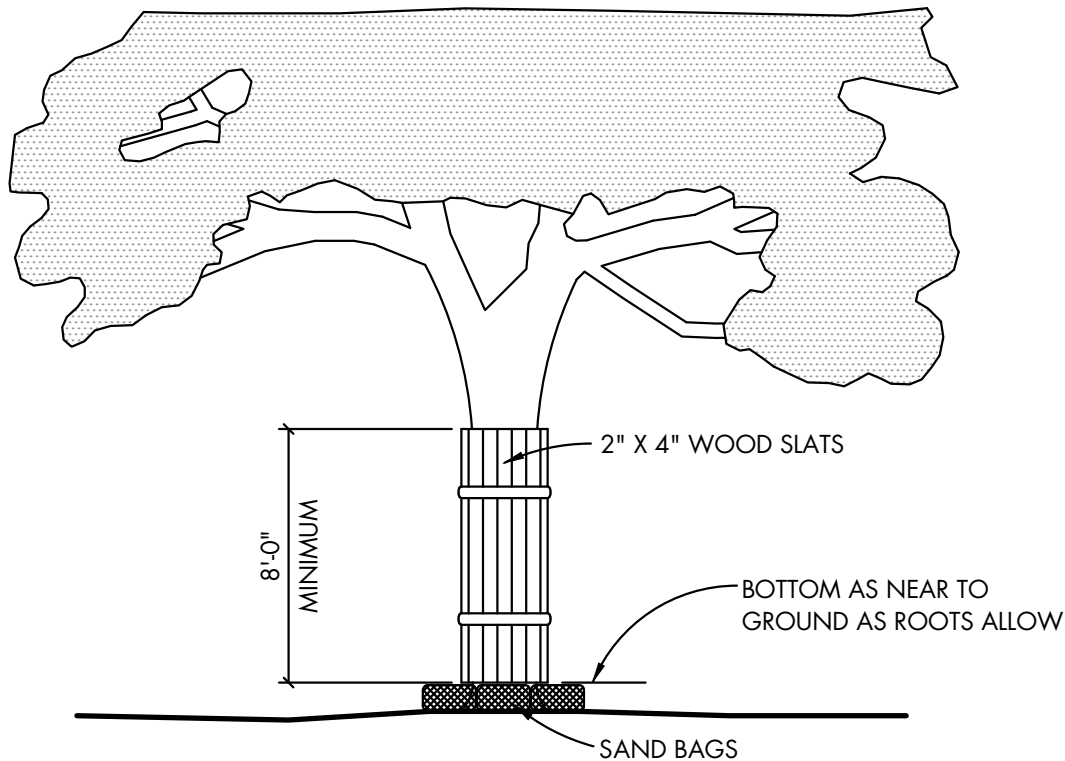
1. ROOT BARRIERS SHALL BE REQUIRED WHEN TREES ARE PLANTED OR ARE EXISTING WITHIN 10' OF ALL CITY OWNED AND MAINTAINED HARDSCAPES.
2. ROOT BARRIERS SHALL BE INSTALLED ALONG THE LENGTH OF THE HARDSCAPES FOR THE EXPECTED CRZ OF THE TREE AT MATURITY OR ALONG THE ENTIRE LENGTH OF THE HARDSCAPE.
3. ROOT BARRIER SHALL BE HIGH DENSITY AND HIGH IMPACT PLASTIC, A MINIMUM 18" DEEP, AS AVAILABLE FROM "DEEP ROOT", VESPRO, INC, OR EQUIVALENT AS APPROVED BY CITY OF ALPHARETTA. BIO BARRIER OR SIMILAR MAY BE SUBSTITUTED, AS APPROVED BY THE CITY.
4. TOP OF ROOT BARRIER SHALL BE SET A MINIMUM OF  $\frac{1}{2}$ "  $\pm$  ABOVE FINISHED GRADE OF SOIL. HOWEVER, UNDER NO CIRCUMSTANCES SHALL THE TOP OF ROOT BARRIER EXTEND ABOVE ADJACENT CURB, SIDEWALK OR OTHER HARD SURFACING, AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. PLEASE PROVIDE MANUFACTURER'S INSTRUCTIONS.

<p>THE CITY OF</p> <p><b>ALPHARETTA</b></p> <p>GEORGIA</p>		
PCB	REVISE NOTE #1	8/24/16
BY	REVISION	DATE

**ROOT BARRIER DETAIL**  
(FOR PUBLIC SIDEWALKS OR CURBING)


08/01/2015

**STD. L-8**



**NOTES:**

1. WHERE ANY EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN TEN FEET (10'-0") TO A TREE TRUNK; PROTECT THE TRUNK WITH STRAPPED-ON-PLANKING TO A HEIGHT OF EIGHT FEET (8'-0"), OR TO THE LIMITS OF LOWER BRANCHING, IN ADDITION TO THE REQUIRED ORANGE LAMINATE FENCING.
2. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN TWO (2) DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE, AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
3. PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE CRZ, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A PRUNING SAW, DITCH WITCH OR SIMILAR EQUIPMENT, TO MINIMIZE DAMAGE TO REMAINING ROOTS.
4. TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER.
5. SAND BAGS OR HAY BALES SHALL BE PLACED ON THE ROOT FLARES AND ANY EXPOSED STRUCTURAL ROOTS.
6. ALL EXPOSED, RIPPED, AND TORN ROOTS GREATER THAN ONE-HALF INCH (1/2") SHALL BE CLEAN CUT.
7. NO LANDSCAPE TOPSOIL DRESSING GREATER THE FOUR INCHES (4") SHALL BE PERMITTED WITHIN THE CRZ OF A TREE. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
8. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS.

		
BY	REVISION	DATE

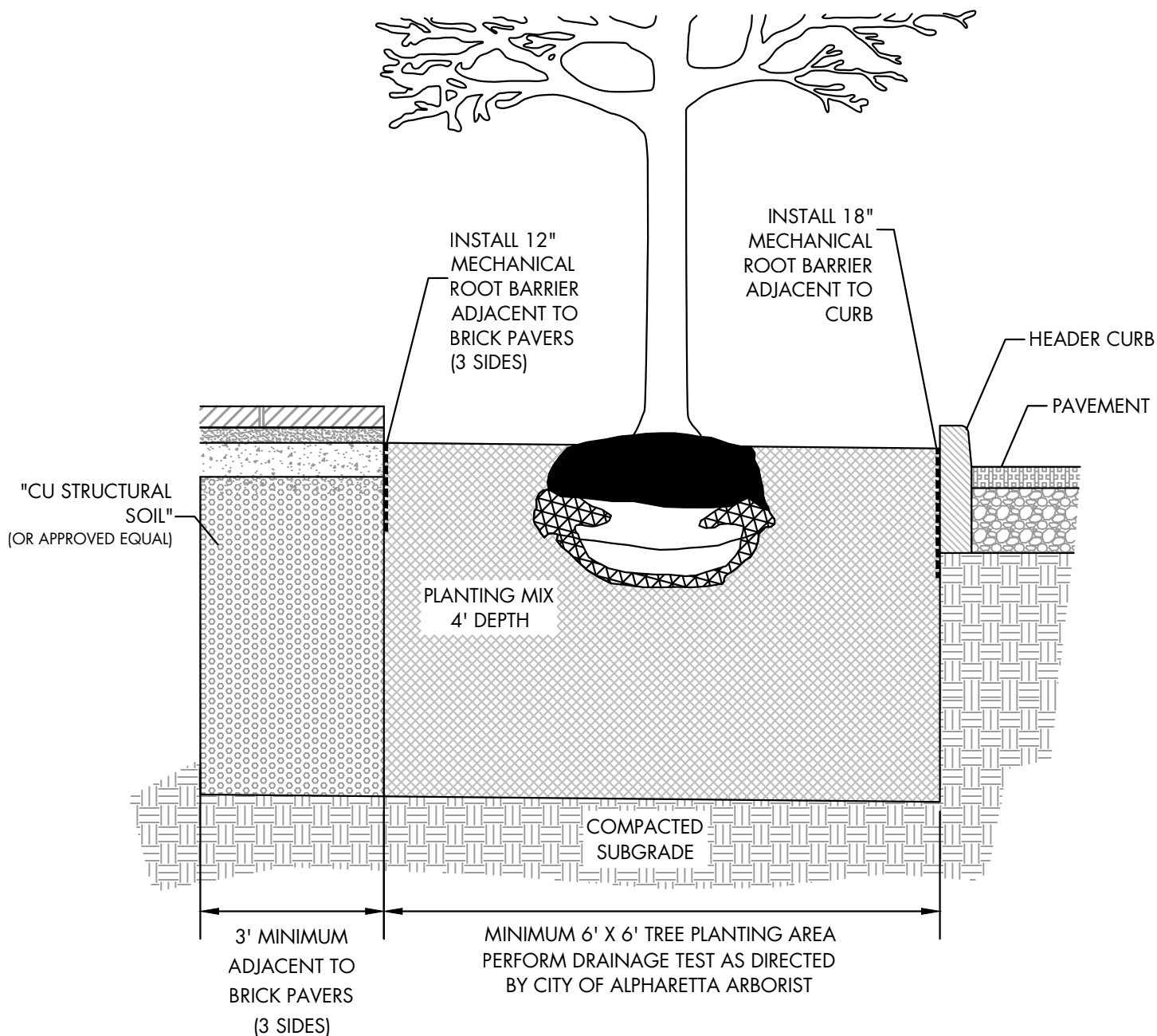
**TREE PROTECTION -  
WOOD SLATS**

08/01/2015

**STD. L-9**

NOTES:

1. INSTALLATION OF "CU STRUCTURAL SOIL" (OR APPROVED EQUAL) AND BRICK PAVING MUST BE UNDERTAKEN BY AN EXPERIENCED CONTRACTOR. THE CONTRACTOR MUST HAVE EXPERIENCE WORKING WITH THE SPECIFIED MATERIALS AND BE ABLE TO SHOW PROOF OF THIS EXPERIENCE. SAMPLES OF ALL MATERIALS MUST BE SUBMITTED AND BE APPROVED BY THE CITY. THIS WORK WILL BE SUPERVISED BY THE CITY OF ALPHARETTA.
2. IN AREAS NOT ADJACENT TO A TREE PLANTING AREA, THE "CU STRUCTURAL SOIL" (OR APPROVED EQUAL) EXTENDS TO THE BACK OF CURB.
3. LOCATE ALL UTILITIES PRIOR TO DIGGING TREE PITS. DO NOT SPRAY PAINT NEW PAVERS AND CONCRETE INDICATED TO REMAIN. IF AT ALL POSSIBLE WHEN LOCATING UTILITIES, NOTIFY ENGINEER OF ANY CONFLICTS WITH UTILITY LINES.
4. REFERENCE CITY OF ALPHARETTA LANDSCAPE DETAILS L1, L2, L3, L4 AND L8 FOR ADDITIONAL INFORMATION ON TREE PLANTING, ANCHORING AND ROOT BARRIER.



<p>THE CITY OF</p> <p><b>ALPHARETTA</b></p> <p>GEORGIA</p>		
BY	REVISION	DATE

TREE WELL IN  
BRICK SIDEWALK

02/19/2016

STD. L-10