



### PLANTING PROCEDURE

1. LAYOUT BED AND OUTLINE WITH SPADE EDGE.
2. ROTOTILL BED TO 12" DEPTH.
3. SPREAD 6" MIN. LAYER OF PLANTING SOIL MIX OVER BED.
4. ROTOTILL PLANTING SOIL MIX INTO TOP OF BED.
5. INSTALL PLANTS, MULCH, AND WATER THOROUGHLY.

NOTE: FOR DETAILED REQUIREMENTS RELATED TO THE PLANTING OF THE TREE IN THE IMPROVED SOIL, SEE "TREE PLANTING DETAIL."

BACK FILL WITH EXISTING SOIL. IN SANDY LOAM SOILS, ADD 20% MAX. BY VOLUME COMPOSTED ORGANIC MATERIAL TO THE EXISTING SOIL.

1:1 SLOPE ON SIDES OF PLANTING HOLE.

UNEXCAVATED OR COMPACTED MOUND UNDER THE ROOT BALL TO PREVENT SETTLEMENT.

2 TIMES THE ROOT BALL DIAMETER

LOAMY SOIL

TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT.

LOAMY SOILS INCLUDE THE FOLLOWING USDA TEXTURAL CLASSIFICATIONS AND HAVE A CLAY CONTENT OF BETWEEN 15 TO 27%: LOAM, SANDY LOAM AND SILT LOAM. NOTE THAT SOILS AT THE OUTER LIMITS OF THE LOAM CLASSIFICATIONS MAY PRESENT SPECIAL PLANTING PROBLEMS NOT ANTICIPATED BY THIS DETAIL.

LOAMY SOILS ARE DEFINED AS GRANULAR OR BLOCKY FRIABLE SOILS, A MIXTURE OF SAND, SILT AND CLAY PARTICLES WITH A MINIMUM OF 1.5% BY DRY WEIGHT ORGANIC MATTER. THE SOIL MUST NOT BE SO COMPACTED AS TO IMPEDE ROOT GROWTH OR DRAINAGE. THE SOIL STRUCTURE SHALL NOT BE PLATY OR MASSIVE. THE SOIL MUST BE TESTED FOR TEXTURE, DRAINAGE CAPABILITY, PH, AND NUTRIENT VALUES PRIOR TO DETERMINING ANY ADDITIONAL SOIL IMPROVEMENTS. CONTRACTOR SHALL CONSULT LANDSCAPE ARCHITECT IN POOR SOIL CONDITIONS.

1. TREES PLANTED IN NON RESTRICTED SOIL CONDITIONS. THIS DETAIL ASSUMES THAT THE AREA OF LOAMY SOIL AVAILABLE TO EACH TREE IS A MINIMUM OF 500 SQUARE FEET.

A cross-sectional diagram of a raised bed. The bed is 18 inches wide (labeled "18\" U.O.O." and "ROW SPACING"). It is 4 inches high. The layers from top to bottom are: "SHRUB (PER PLAN)", "SHREDDED BARK MULCH", "PLANTING SOIL MIX (AS SPECIFIED)", and "FINISH GRADE". The bed is bordered on the left by a "SPADE EDGE". The interior of the bed is divided into two sections: "CULTIVATED SOIL" (the top layer) and "UNDISTURBED SOIL" (the bottom layer). The height of the cultivated soil layer is indicated as 12 inches.

- NOTE: BREAK THROUGH ANY EXISTING 'HARD-PAN' AND REMOVE AS NECESSARY TO PROVIDE GOOD PERCOLATION AND POSITIVE DRAINAGE.

### PLANTING PROCEDURE

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3. SPREAD 4" MIN. LAYER OF PLANTING SOIL MIX OVER BED.
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5. INSTALL PLANTS, MULCH, AND WATER THOROUGHLY.

4

3

WIRE OR CABLE SIZES SHALL BE AS FOLLOWS:  
TREES UP TO 2.5 IN CALIPER - 14 GAUGE  
TREES 2.5 IN TO 75 MM 3 IN CALIPER - 12 GAUGE

TIGHTEN WIRE OR CABLE ONLY ENOUGH TO KEEP FROM SLIPPING. ALLOW FOR SOME TRUNK MOVEMENT. PLASTIC HOSE SHALL BE LONG ENOUGH TO ACCOMMODATE 1.5 IN OF GROWTH AND BUFFER ALL BRANCHES FROM THE WIRE.

TUCK ANY LOOSE ENDS OF THE WIRE OR CABLE INTO THE WIRE WRAP SO THAT NO SHARP WIRE ENDS ARE EXPOSED.

The diagram illustrates a tree trunk wrapped in a plastic hose. A line points to the hose with the label "13 MM (0.5 IN.) DIAM. PLASTIC HOSE". A wire is wrapped around the hose, with a label "GALVANIZED WIRE OR CABLE TWIST WIRE TO TIGHTEN." pointing to it. Three stakes are shown supporting the hose, with a label "3 - 1.5 IN x 1.5 IN HARDWOOD STAKES OR OTHER APPROVED STAKE MATERIAL ALL STAKES SHALL BE DRIVEN OUTSIDE THE EDGE OF THE ROOT BALL." pointing to them. A dimension line indicates the height of the stakes as "4 FEET". Another dimension line indicates the height of the tree trunk as "6 FEET". A label "THE FIRST STAKE SHALL BE DIRECTLY SOUTHWEST OF THE TREE TRUNK." points to the first stake. The tree trunk is shown with a root ball at the base.

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TWIST WIRE TO TIGHTEN.

3 - 1.5 IN x 1.5 IN HARDWOOD STAKES OR  
OTHER APPROVED STAKE MATERIAL  
ALL STAKES SHALL BE DRIVEN OUTSIDE THE  
EDGE OF THE ROOT BALL.

THE FIRST STAKE SHALL BE DIRECTLY  
SOUTHWEST OF THE TREE TRUNK.

ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A MINIMUM OF 0.5 IN.

REMOVE ALL STAKING AS SOON AS THE TREE HAS GROWN SUFFICIENT ROOTS TO OVERCOME THE PROBLEM THAT REQUIRED THE TREE TO BE STAKED. STAKES SHALL BE REMOVED NO LATER THE END OF THE FIRST FULL GROWING SEASON AFTER PLANTING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE STAKING MATERIALS.

PLAN VIEW

1. LOCATE (1) STAKE DIRECTLY SOUTHWEST OF TREE TRUNK

The diagram illustrates a cross-section of a planting area. It is divided into two main horizontal sections: the 'LAWN AREA' on the left and the 'PLANTING OR MULCHED AREA' on the right. A vertical line separates these two areas. In the lawn area, a 'VERTICAL EDGE' is indicated with a dimension of '4"'. In the planting area, a 'MULCH AS SPECIFIED' layer is shown on top of the 'EXISTING GRADE OR GRADE OF PLANTING AREA'. The mulch layer has a thickness dimension of '2"'. The existing grade is shown as a sloped surface. A dimension of '3"' is shown for the width of the planting area at the base of the mulch layer.

NOTE:  
TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN  
AREAS; AND SHALL CREATE SMOOTH AND EVEN LINES (AS  
INDICATED ON THE PLANS).

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