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| PLAN | SURVEYED | DATE |
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| PROFILE | SURVEYED | DATE |
|         | PLOTTED  |      |
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|         | BY       |      |
|         | NO.      |      |

INTERNATIONAL SOCIETY OF ARBORICULTURE

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1400 WEST ANTHONY DRIVE  
CHAMPAIGN, IL 61821  
(217) 355-9411  
(217) 355-9516 FAX

DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.

STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE STAKING DETAIL.

WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE WRAPPING DETAIL.

MARK THE NORTH SIDE OF THE TREE IN THE NURSERY AND ROTATE TREE TO FACE NORTH AT THE SITE WHEN EVER POSSIBLE.

SET TOP OF ROOT BALL FLUSH TO GRADE OR 25-50 MM (1-2 IN.) HIGHER IN SLOWLY DRAINING SOILS.

50 MM (2 IN.) MULCH, DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. MAINTAIN THE MULCH WEED-FREE FOR A MINIMUM OF THREE YEARS AFTER PLANTING.

NOTE: FOR DIMENSIONS OF PLANTING AREAS, TYPES OF SOIL AMENDMENTS, OR SOIL REPLACEMENT, SEE "SOIL IMPROVEMENT DETAILS."

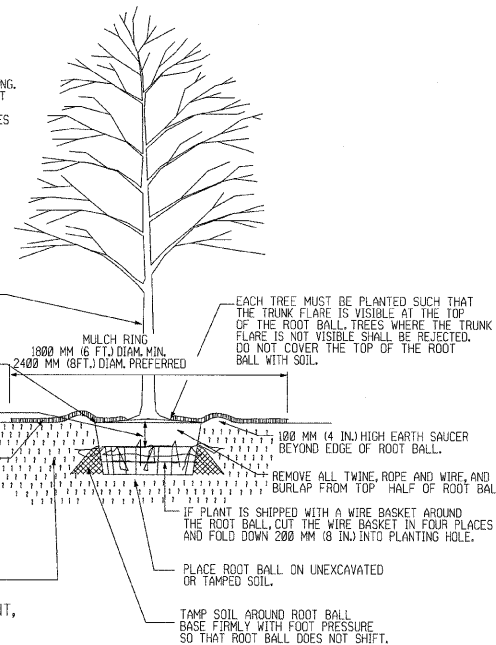
NOTES

1. PLEASE REFER TO INTRODUCTION AND USE CRITERIA PRIOR TO USING THIS DETAIL.



TREE PLANTING DETAIL - B&B TREES IN ALL SOIL TYPES

NOTE: THIS DETAIL ASSUMES THAT THE PLANTING SPACE IS LARGER THAN 2400 MM (8 FT.) SQUARE, OPEN TO THE SKY, AND NOT COVERED BY ANY PAVING OR GRATING.



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TWO-WALLED PLASTIC SHEETING OR TREE SHELTER MATERIAL APPLIED FROM TRUNK FLARE TO FIRST BRANCH. BIO-DEGRADABLE PLASTIC TAPE.

BREATHABLE FABRIC TREE WRAP APPLIED FROM TRUNK FLARE TO FIRST BRANCH, WRAP PAPER FROM THE BOTTOM UP WITH SUFFICIENT OVERLAP TO COVER ALL BARK. BIO-DEGRADABLE PLASTIC TAPE.

APPLY THE PLASTIC SHEETING LOOSELY AROUND THE TRUNK TO LEAVE A 12 MM (0.5 IN.) GAP BETWEEN THE TRUNK AND THE SHEETING.

OPTION 1

OPTION 2

TREE WRAP SHOULD BE INSTALLED AT TIME OF PLANTING AND BE REMOVED WHEN DIRECTED BY THE LANDSCAPE ARCHITECT, BUT NO LATER THAN 12 MONTHS AFTER PLANTING.

TREES WHOSE NORTH ORIENTATION IS NOT CHANGED FROM THE NURSERY DO NOT NEED TO BE WRAPPED EXCEPT TREES WITH VERY THIN BARK, SUCH AS RED MAPLE, SHOULD BE WRAPPED IF APPROVED BY THE LANDSCAPE ARCHITECT.

NOTES

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TREE WRAPPING DETAIL

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WIRE OR CABLE SIZES SHALL BE AS FOLLOWS:  
TREES UP TO 65 MM (2.5 IN.) CALIPER - 14 GAUGE  
TREES 65 MM (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 35MM (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.

13 MM (0.5 IN.) DIAM. PLASTIC HOSE

GALVANIZED WIRE OR CABLE TWIST WIRE TO TIGHTEN. 2x4 x 48 MM (1.5 x 1.5 IN.) HARDWOOD STAKES OR OTHER APPROVED STAKE MATERIAL.

ALL STAKES SHALL BE DRIVEN OUTSIDE THE EDGE OF THE ROOT BALL.

ASSURE THAT THE BEARING SURFACE OF THE PROTECTIVE COVERING OF THE WIRE OR CABLE AGAINST THE TREE TRUNK IS A MINIMUM OF 12 MM (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 GROWING SEASON AFTER PLANTING.

TREES NORMALLY DO NOT NEED TO BE STAKED AND STAKING CAN BE HARMFUL TO THE TREE. STAKING SHOULD BE DONE ONLY WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT IF IT IS EXPECTED THAT THE TREE WILL NOT BE ABLE TO SUPPORT ITSELF.

- THE FOLLOWING ARE REASONS WHY TREES DO NOT REMAIN STRAIGHT:
- o TREES WITH POOR - QUALITY ROOT BALLS OR ROOT BALLS THAT HAVE BEEN CRACKED OR DAMAGED. REJECT RATHER THAN STAKE.
  - o TREES THAT HAVE GROWN TOO CLOSE TOGETHER IN THE NURSERY, RESULTING IN WEAKE TRUNKS. REJECT RATHER THAN STAKE.
  - o PLANTING PROCEDURES THAT DO NOT ADEQUATELY TAMP SOILS AROUND THE ROOT BALL. CORRECT THE PLANTING PROCEDURE.
  - o ROOT BALLS PLACED ON SOFT SOIL. TAMP SOILS UNDER ROOT BALL PRIOR TO PLANTING.
  - o ROOT BALLS WITH VERY SANDY SOIL OR VERY WET CLAY SOIL. STAKING ADVISABLE.
  - o TREES LOCATED IN A PLACE OF EXTREMELY WINDY CONDITIONS. STAKING ADVISABLE.

NOTES

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TREE STAKING DETAIL - TREES 75MM (3 IN.) CALIPER OR LESS

ILLINOIS DEPARTMENT OF TRANSPORTATION  
F.A.U. 2508 - DOUGLAS ROAD  
(U.S. RTE 34 TO U.S. RTE 30)

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY