STRUCTURAL SOIL INSTALLATION

1. TREE SET PLUMB AND CENTERED IN HOLE - FOR STAKING, REFER TO DETAIL 448
2. CONCRETE PAVING OR BACK OF CURB
3. MIN. 24" BOX SIZE TREE WITH A MIN. CALIPER OF 2" MEASURED 6" ABOVE ROOTBALL
4. BUBBLER ON FLEX RISER, 2 PER TREE
5. INSTALL TREE WITH THE ROOT CROWN LEVEL WITH ADJACENT SIDEWALK OR CURB, 2" ABOVE TOP OF SOIL
6. FILL BASIN WITH 2" LAYER OF MULCH OR USE TREE GRATE AS SPECIFIED
7. HOLD TOP OF SOIL 3" BELOW ADJACENT PAVING GRADE
8. ROOT BARRIER, REFER TO DETAIL, USE WHEN TREE IS PLANTED WITHIN 8' OF PAVING
9. IN TREE WELL: USE CORNELL UNIVERSITY (C.U.) STRUCTURAL SOIL MIXTURE (SEE STRUCTURAL SOIL INSTALLATION)
10. IN MEDIAN: USE AMENDED SOIL AS PER SPECIFICATIONS
11. SET ROOT BALL ON UNDISTURBED SURFACE; DO NOT OVEREXCAVATE PLANT PIT, SCARIFY SIDES OF PIT
12. FOUR SLOW-RELEASE FERTILIZER TABLETS, SEE CHART

NOT TO SCALE

Notes:
1. TREES SHALL NOT BE ROOT-BOUND. CAREFULLY SCARIFY ROOTBALL BEFORE PLANTING, IF DIRECTED.
2. REMOVE ANY SPROUTS/SHOOTS WITHIN 6" OF SOIL.
3. CONFIRM POSITIVE DRAINAGE OF PLANT PIT PRIOR TO PLANTING TREE. INSTALL DRAIN AS PER TREEWELL DETAIL 448. DRAINAGE RATE OF ALL MATERIALS, INCLUDING MULCH, SHOULD BE NO LESS THAN 1/4" PER HOUR AND NOT EXCEED 2" PER HOUR.
4. WHEN TREE GRATES ARE USED, LOWER ALL FEATURES SHOWN WITHIN THE TREE PIT BY 3".

CITY OF MILPITAS, ENGINEERING DIVISION

STREET TREE PLANTING AT TREE WELLS & MEDIANS

REVISION | DATE | STANDARD DRAWING NO. 448
---|---|---
1 | 1991 | DATE : 6/15/10
1 | 2001 | SHEET 1 OF 5
1 | 2010 | |

APPROVED BY:
PUBLIC WORKS DIRECTOR / CITY ENGINEER RCE No. 40283
Notes:
1. PROVIDE TWO STAKES AND TIES AS SHOWN.
Notes:
1. TREES SHALL NOT BE ROOT-BOUND. CAREFULLY SCARIFY ROOTBALL BEFORE PLANTING, IF DIRECTED.
2. REMOVE ANY SPROUTS/SHOOTS WITHIN 6" OF SOIL.
3. CONFIRM POSITIVE DRAINAGE OF PLANT PIT PRIOR TO PLANTING TREE. INSTALL DRAIN AS PER TREETWELL DETAIL 448. DRAINAGE RATE OF ALL MATERIALS, INCLUDING MULCH, SHOULD BE NO LESS THAN 1/4" PER HOUR AND NOT EXCEED 2" PER HOUR.

NOT TO SCALE
FOR NEW SIDEWALKS & NEW TREE WELLS, INSTALL TWO 3" DIA. PERF. PVC DRAIN LINES, WRAPPED IN FILTER FABRIC, ONE EACH SIDE OF TREE ROOT BALLS, CONTINUOUS THROUGH ALL TREE WELLS.

CURB & GUTTER

ROOT BARRIER

TREE PIT CUT OUT

EXTENT OF STRUCTURAL SOIL

SIDEWALK

AT EXISTING SIDEWALK SAWCUT AND REMOVE PAVING PRIOR TO INSTALLING STRUCTURAL SOIL, REFER TO CITY DETAILS FOR NEW SIDEWALK CONSTRUCTION CONFIRM POSITIVE DRAINAGE.

PLAN VIEW

SECTION B-B

6' TO 8' SIDEWALK

BACK OF SIDEWALK MAX. 4" IN DEPTH MIN. 3" PREFERRED

CURB

ROADWAY

ROOT BARRIER

MULCH OR TREE GRATE AS SPECIFIED

CORNELL UNIVERSITY (C.U.) STRUCTURAL SOIL MIXTURE (SEE STRUCTURAL SOIL INSTALLATION)

FOR RETROITS IN EXIST. SIDEWALKS, INSTALL 3" DIA. PERF. PVC DRAIN LINE, WRAPPED IN FILTER FABRIC, @ 1% SLOPE AWAY FROM ROADWAY, TWO PER TREE, ONE EACH SIDE OF ROOT BALL

SECTION A-A

13° MIN

5'-0" 3'-0" MIN 5'-0"

5'-0" PREFERRED

PAVING

MULCH OR TREE GRATE AS SPECIFIED

CORNELL UNIVERSITY (C.U.) STRUCTURAL SOIL MIXTURE (SEE STRUCTURAL SOIL INSTALLATION)

UNDISTURBED SUBGRADE UNDER ROOTBALL

NOT TO SCALE
Notes:
1. ROOT BARRIER IS REQUIRED WHEN THE CENTERLINE OF THE TREE IS WITHIN EIGHT FEET OF STREET CURB OR PAVING.
2. ONE STREET TREE SHALL BE PROVIDED PER RESIDENTIAL LOT PER STREET, OR AS SHOWN ON PLANS APPROVED BY THE CITY ENGINEER. SPACING WILL VARY DEPENDING ON TREE SPECIES, IN GENERAL, THE SPACING SHALL BE EQUAL TO THE MATURE CANOPY DIAMETER.

NOT TO SCALE