610 mm (24") MIN.
914 mm (36") MAX.
EXPANSION
CAPABILITY

SEE GRATE DETAIL
SHEET 3 OF 3

1.8 m (72")

TREE GRATE

TREE GRATE WITH LIGHTING OPENINGS

CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS

1.8 m (6') CAST IRON
TREE GRATE AND FRAME

THE ARCHITECT/ENGINEER ASSUMES
RESPONSIBILITY FOR APPROPRIATE USE
OF THIS STANDARD.

STANDARD NO.
437S-2

ADOPTED
1/6/05
GRATE FRAME (TYPICAL)

1.8 m (6') CAST IRON TREE GRATE AND FRAME

CITY OF AUSTIN
DEPARTMENT OF PUBLIC WORKS

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 437S-2
2 OF 3

Bill Gardner 11/2/05
ADOPTED

915 mm (36 1/16'')
1.86 m (73 3/8'')
54 mm (2 1/8'')
150 mm X 300 mm (6'' X 12'')
CONCRETE BEAM
REFER TO STANDARD 432S-7A, B & C

914 mm (36'')
914 mm (36'')
38 mm (1 1/2'')
1.8 m (72'')
NOTES:
1. TREE GRATE AND FRAME SHALL BE OF CAST IRON WITH GRAY IRON CASTINGS
   CONFORMING TO ASTM A-48 CLASS 35 OR BETTER. IF CAST IRONS USED, THEN
   MATERIAL FINISH MUST BE RESISTANT TO CORROSION.
2. GRATES SHALL BE COMPRISE OF 2 PANELS NO LESS THAN 38 mm (1 1/2") THICK TO
   RESIST HIGH-STRESS IMPACTS FROM MECHANIZED SIDEWALK CLEANING MACHINES.
3. GRATE OPENINGS SHALL BE 9.5 mm (3/8") OR LESS TO MEET ADA STANDARDS
   AND PREVENT THE GATHERING OF LEAVES OR LITTER.
4. GRATES SHALL HAVE REMOVABLE INSERT GRATE FOR INCREMENTAL TRUNK
   GROWTH AND EXPANSION. STREET GRATES WITH EASILY REMOVABLE RING
   SHOULD USE AN ABRASIVE CUTTING WHEEL OR LASER WATER JET AND NOTCH
   AT THE RADIAL SPOKES.
5. GRATES ACCOMMODATING SUBGRADE LIGHTING UNITS SHOULD HAVE REMOVABLE
   LIGHT-OPENING SECTIONS SECURED WITH COUNTER-SUNK SCREWS IN ORDER TO
   TAMPER-PROOF THE LIGHTING UNITS, IF REQUIRED.
6. GRATES SHOULD BE ABLE TO ACCOMMODATE CUSTOM CORNER LOGOS.