

Item 615.0410 06 - HEAVY DUTY PLASTIC TREE GRATES

DESCRIPTION

The contractor shall furnish and install heavy duty plastic tree grates of the size, color and at the locations as shown on the plans or as directed by the Engineer.

MATERIALS

Plastic tree grates shall conform to the requirements of ASTM Designation D-638. All grates shall be molded from recycled high density structural plastic resins free from distortions, imperfections and other defects. The color shall be molded throughout the grate for a uniform appearance. The surface shall be smooth, clean and free of sharp edges.

Plastic tree grates shall incorporate an expandable feature permitting the removal of portions of the grating to accommodate tree growth. The openings in the grate shall comply with the Americans with Disabilities Act Accessibility Guidelines (ADAAG).

Tree grate halves shall be joined together with the tamper-resistant bolt assembly package as provided by the manufacturer or approved equal. Grates installed in a concrete surround shall be secured to the concrete ledge with four #14x80mm screws as provided by the manufacturer or approved equal. Support posts shall be 60mm diameter polyethylene tubing as provided by the manufacturer or approved equal.

CONSTRUCTION DETAILS

The contractor shall install grates to the lines, grades and dimensions as shown on the plans or as directed by the engineer.

METHOD OF MEASUREMENT

The work shall be measured as the number of tree grates furnished and installed in accordance with the plans and specifications, or as directed by the engineer.

BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, materials, and equipment to complete the work.