

## PART 1 GENERAL

### 1.1 SECTION INCLUDES

- A. Tree Grate and installation frames.

### 1.2 SUBMITTALS

- A. Contractor shall submit \_\_\_\_ set(s) of drawings of tree grates and frames for review by architect prior to purchase and installation.
- B. Contractor submittal shall include full scale proof of "Historic Route - Solana Beach" emblem.

### 1.3 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 25 years tree grate manufacturing experience.
  - a. Castings will be squared and flat, free of burrs, slag, air pockets, blow holes, flashing and grinding or welding on exposed surfaces. Excessive warping or shrinkage is not acceptable.
  - b. All visible welds on installation frames to be ground smooth. Frames will be true to specified diameter.
- B. Installer qualifications: 2 years minimum experience installing tree grates and support frames.

### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Inspect material immediately upon delivery, noting on delivery receipt all damage and/or discrepancy between delivered material and packing slip
- B. Store product in manufacturer's packaging until ready to install.

### 1.5 WARRANTY

- A. Tree grates and frames shall be warranted by the Manufacture against defects in materials and workmanship for a minimum of one (1) years

## PART 2 PRODUCTS

### 2.1 TREE GRATES AND FRAMES:

- A. Manufacturer: Tree Grates and Frames shall be as supplied by Urban Accessories, Inc., 465 East Fifteenth Street, Tacoma, WA 98421 - PH: (253) 572-1112 or [sales@urbanaccessories.com](mailto:sales@urbanaccessories.com).
- B. Tree Grates shall be: \_\_\_\_\_ [Style and Size], as per drawings.

- a. Tree Grate material shall be high quality, 100% recycled, cast grey iron, per ASTM A48 class 35b or better; hardness 170-223 brinnell. [Other Options Available]
  - b. Finish on Tree Grates shall be Raw Natural Finish. [Other Options Available]
- C. Tree Grate Frames shall be Type "S" Frames, for embedded installation into new concrete surround.
- a. Tree Grate Frame material shall be mild steel angle iron and other shapes as necessary, per ASTM A36
  - b. Finish on Tree Grate Frames shall Raw Natural Finish

### **PART 3 EXECUTION**

#### **3.1 EXAMINATION**

- A. Do not begin installation until site is properly prepared.
- B. If substrate preparation is the responsibility of another trade, please coordinate with and notify Architect of unsatisfactory preparation before proceeding.

#### **3.2 PREPERATION**

- A. Clean surfaces thoroughly prior to installation
- B. Prepare surface as needed to perform installation per manufacturer's recommendation.

#### **3.3 INSTALLATION**

- A. Install tree grates in relation to adjacent paving surface with uniformity of appearance, in locations as indicated on plans.
- B. Install tree grate frames by incorporating them into the tree pit forming material, taking care to insure that the frame is on an FLAT PLANE, and sufficient bracing is in place to prevent frame deformation during concrete pouring and curing.
- C. Clean concrete debris from tree grate frame.
- D. Install tree grate, grinding leveling pads and shimming as needed to hold tree grates level and prevent rocking. Gap between grate and frame in finished installation shall not exceed 1/8" on all sides.

**END OF SECTION**