

# Installation Procedures

Neenah's tree grate frames are designed to make the installation job easy and accurate. Our frames can be incorporated into your forms in just minutes. The seat of the frame should be cleaned prior to setting the grate. Grate halves are to be bolted together on the underside using the bolt slots provided.

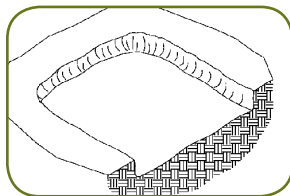
ALL OR ANY PART OF THE PRECEDING SPECIFICATIONS AND PROCEDURES MAY BE INCORPORATED IN YOUR PROJECT DOCUMENTS.

## FOR POURED CONCRETE INSTALLATIONS

(Neenah tree grates and R-8500 Type U frames)

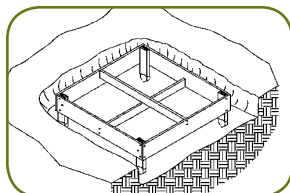
### Step 1

Excavate tree pit.



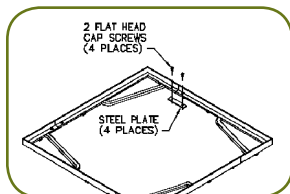
### Step 2

Place wood frame within excavation. Set at proper grade. Make form outside dimension 45.75" x 45.75" for 48" x 48" grate, 57.75" x 57.75" for 60" x 60" grate or 69.75" x 69.75" for 72" x 72" grate.



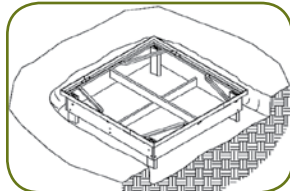
### Step 3

Assemble the R-8500 Type U tree grate frame using the hardware provided. Make sure to tighten the countersunk flathead screws so they are flush or below the bearing surface of the frame.



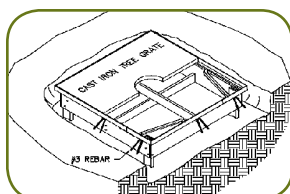
### Step 4

Place frame on wood form. Place both tree grate halves within the frame.



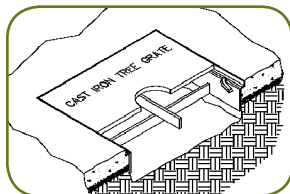
### Step 5

**IMPORTANT:** Wire grates, frames and form together. Check and adjust frame alignment and elevation if needed. Install #3 rebar through lugs on frame and support as required. Ensure there is a .1875" spacing between vertical faces of the frame and grate.



### Step 6

Pour and finish concrete. Do not remove tree grate or trim alignment wires until concrete has set up.

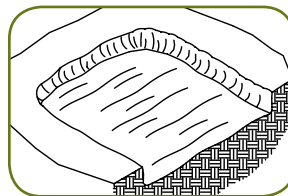


## FOR PAVING BLOCK INSTALLATIONS

(Neenah tree grates and R-8500 Type P frames)

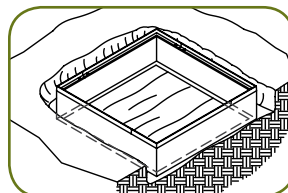
### Step 1

Excavate tree pit.



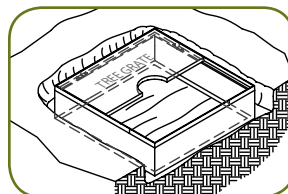
### Step 2

Place assembly within excavation. Set at proper grade.



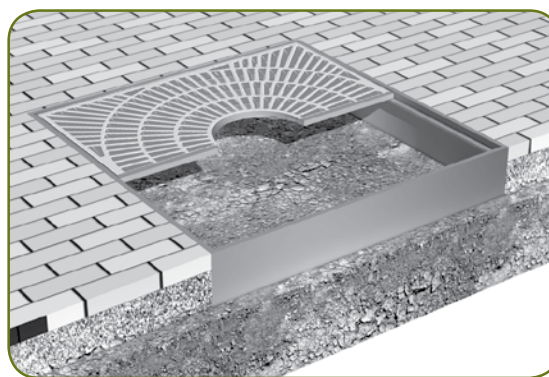
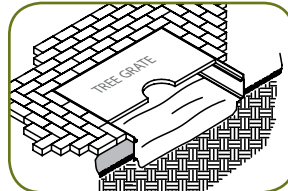
### Step 3

Place both tree grate halves within the frame.



### Step 4

Place setting bed and pavers, plant tree.



Example of R-8500 Type P frame.

**NOTE: FAILURE TO FOLLOW THESE FORMING PROCEDURES COULD RESULT IN AN UNSATISFACTORY INSTALLATION.**

If you have any questions regarding installation or if you must deviate from the above instructions, contact the Neenah Product Engineering Department. Additional detailed installation information is available from your Neenah sales representative or from our web site at [www.neenahfoundry.com](http://www.neenahfoundry.com).

**EXPANDABLE** – Neenah Foundry cast iron tree grates provide the advantage of being easily expandable without losing their structural integrity. As trees grow through the years, the tree opening can be enlarged in increments to accommodate the larger trunk. The best method to expand the opening is through the use of an abrasive cutting wheel, notching the radial spokes at the junction of the expansion rings, then breaking away the portion to be discarded.