



troubleshooting guide

PROBLEM

CAUSE

SOLUTION

1. Tree grate is sagging.

- A. Mulch used instead of stone beneath the tree grate.
- B. Tree, soil, or aggregate have settled.

- A. Remove mulch and replace with course aggregate level to the ledge.
- B. Add additional course aggregate level to the ledge.

2. Corners of tree grate are sticking up (trip hazard).

- A. Concrete ledge or excess cement slag does not provide for a 2" thick grate.
- B. Angle iron ledge does not provide for 2" thick grate.
- C. See cause for problem #1 - a and b.

- A. Cut concrete ledge in a manner in which 2" thick grate will sit smoothly in relation to sidewalk; or chip away excess slag until smooth finish.
- B. Re-position angle iron so that 2" thick grate will sit smoothly in relation to sidewalk.
- C. See solution for problem #1 - a and b.

3. Tree grates are bulging in the shape of a dome.

- A. Concrete opening is too tight for the tree grate. Three-sixteenth (3/16") expansion gap around the tree grate was not provided for during installation.
- B. Angle iron opening is too tight for tree grate. Three-sixteenth (3/16") expansion gap around the tree was not provided for during installation.

- A. Cut concrete in a manner in which 3/16" expansion gap around the tree grate will provide room for the tree grate to expand and contract with changing temperatures.
- B. Cut concrete and reposition angle iron in a manner in which 3/16" expansion gap around the tree grate will provide room for the tree grate to expand and contract with changing temperatures.