



West End Tree Replacement

- The City's tree replacement project includes the removal of 42 trees, planting 37 trees, keeping 57.
- The trees targeted for removal primarily are of the ash variety and were determined to be in "poor" or "fair" health.
- Tree replacement ensures the future health and stability of Boulder's "urban forest" and to help stave off the invasive and destructive emerald ash borer.
- Factors evaluated during the assessments include, the tree's crown size in relation to its lifespan, trunk wounds, storm damage, presence of Lilac Ash Bore, and it's vulnerability to Emerald Ash Bore.

Factors in the Replacement of 9th Street Ash Trees

- Trees are in poor to fair condition.
- It does not appear irrigation is functional at this location
- These ash trees are at (short term) risk from emerald ash borer. EAB is (at most) 1 mile away from this location and probably already much closer.
- The ash trees on 9th are below the City's 10" diameter threshold for city EAB treatment so all pesticide applications are the responsibility of the property owner. Pesticide treatments will need to be done for the life of the tree. Given the size of these trees it doesn't coincide with our city goal to minimize pesticide use in the long term.
- The property as it currently is, is a "by-right project" with no development history so we have no ability to require the property owner to replace street trees when those ash trees die from EAB. We (Forestry) can't replace those trees given the existing site conditions – lack of functional irrigation, 4'x4' cut outs with the raised curb.
- The ash trees on 9th St. exhibit signs of lilac/ash borer. Lilac/ash borer is a common insect pest of ash that tunnels through the sapwood causing crown dieback. Previous damage from lilac/ash borer can also prevent uptake of systemic pesticides applied to control emerald ash borer.

Condition of Trees from City's review

The trees along the west side of 9th from north to south are:

- 22" Mulberry in fair condition
- 5" White Ash in poor condition
- 6" White Ash in fair condition
- 5" White Ash in fair condition
- 10" Green Ash in fair condition
- 6" Green Ash in poor condition
- 8" Green Ash in fair condition