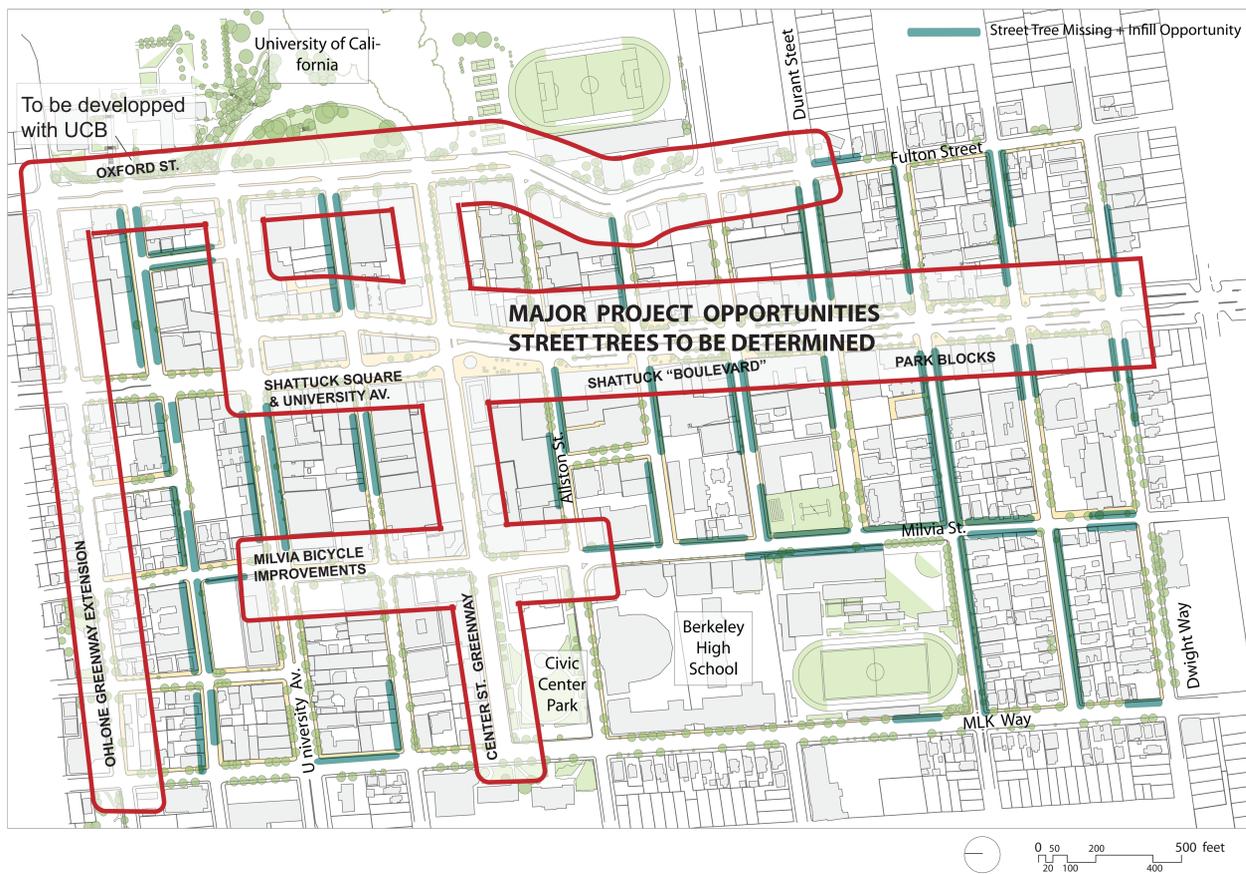


STREET TREE MASTER PLAN



Why are Street Trees Important?

Few things can enhance a community as much as a continuous canopy of healthy street trees. Street trees:

- shade pedestrians in the summer and let sunshine through in the winter;
- give interest and scale to pedestrian environments;
- shape space and provide aesthetic consistency;
- reduce the heat of asphalt and its contribution to global climate change;
- benefit the environment by capturing rainwater and urban runoff.

A Comprehensive and Proactive Approach

Street trees are often left as an afterthought. They often end up being planted in less than ideal conditions. In addition, decisions about street trees often happen in a piecemeal way. A "street tree master plan" offers an important opportunities to:

- plant more trees (28% of Downtown's street frontage lack trees),
- promote healthier trees,
- use limited resources for planting and maintaining trees more efficiently, and
- make a more attractive, livable and memorable Downtown Area.

Street Tree Issues include:

Aesthetic Consistency. By trying to use the same or similar street trees on the same street, a more attractive environment results from the spread of branches and rhythm of trunks.

Seasonal Expressions. Some street trees flower without dropping unwanted fruit, and help give a sense of "nature in the city."

Context. In commercial areas, the visibility of signs and high levels of pedestrian traffic need to be addressed. In residential areas, less wear-and-tear allows the use of continuous landscaped strips.

Tree Grates and Tree Guards. High levels of pedestrian traffic call for metal tree grates (to avoid tripping) and tree grates (for protection) but these are very expensive to purchase and maintain.

Healthy Roots. For a tree to survive, its tree roots need room; they need to be away from utilities and accompanied by suitable soil.

Establishing New Trees. New trees need regular watering which needs to be done by a responsible sponsor or by a contractor who would get paid a lot during the 3-4 years needed to get a tree established.

Implementation by Developers. Development projects offer opportunities to install trees properly (such as by moving utilities and using proper soils), but clear standards and procedures are required.

Implementation in Other Locations. Only a fraction of Downtown streets abut development sites. Logistics can be difficult in these locations because of various constraints, such as existing utilities, compacted soil, and uncertain financial support.

EAST-WEST STREETS

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|----------------------|---------------------------|-----------------------------------|
| Oxford to Shattuck | Abuts UC Development | Chinese Pistache | Pistache |
| Shattuck to Milvia | Residential | Plum & Black Acacia | Purple Leaf Plum |
| Milvia to Bonita | Residential | Plum | Purple Leaf Plum |
| Bonita to MLK | Residential | Evergreen Pear & Magnolia | Decid. Pear or Evergreen Magnolia |

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|----------------------------|--------------------------|---------------------------|
| Oxford to Shattuck | Part of Major Improvements | Red Maple | no infill needed |
| Shattuck to Milvia | Commercial | Tulip Poplar & Red Maple | Red Maple or Frontier Elm |
| Milvia to MLK | Commercial | Tulip Poplar | Red Maple or Frontier Elm |

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|-----------------------|-----------------------------|-----------------------------------|
| Oxford to Shattuck | Commercial & Cultural | Tristania Elegant & Sourgum | Sourgum or Tristania Laurel Box |
| Shattuck to Milvia | Commercial & Cultural | Hornbeam | Hornbeam, Sourgum or Frontier Elm |
| Milvia to MLK | Commercial | London Plane & Sweetgum | Columnar Red Maple |

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|-----------------------|--------------------------------------|------------------------------------|
| Oxford to Shattuck | Commercial & Cultural | L. Plane, Pittosporum & Ev. Magnolia | London Plane or Evergreen Magnolia |
| Shattuck to Harold | Commercial | Hackberry | Chinese Pistache |
| Harold to Milvia | Commercial & Cultural | Chinese Pistache | Chinese Pistache |
| Milvia to MLK | Park & Civic Uses | London Plane & Camphor | London Plane or Chinese Pistache |

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|--------------------------|------------------------------|------------------------------------|
| Oxford to Shattuck | Commercial & Cultural | Australian Willow & Sweetgum | Columnar Red Maple |
| Shattuck to Harold | Commercial | Chinese Elm & Katsura | Frontier Elm or Columnar Red Maple |
| Harold to Milvia | Commercial & Residential | Frontier Elm | Frontier Elm or Columnar Red Maple |

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|--------------------------|-----------------------|--|
| Fulton to Shattuck | Commercial | Live Oak & Holly Oak | Live Oak, Colum. Oak or Tristan. Elegant |
| Shattuck to Milvia | Commercial & Residential | Red Maple | Columnar Red Maple |

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|--------------------------|-------------------------------|---|
| Fulton to Shattuck | Commercial | Chinese Flame & Ash | Chinese Flame or Zelkova |
| Shattuck to Milvia | Commercial & Residential | Elm, Hackberry & London Plane | London Plane (no.); Fr. Elm or Zelkovia (so.) |

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|-------------|-----------------------|----------|
| Fulton to Shattuck | Residential | Red Maple & Sourgum | Sourgum |
| Shattuck to Milvia | Residential | Maple & Hackberry | Sourgum |
| Milvia to MLK | Residential | Linden, Sourgum & Ash | Sourgum |

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|------------------------|-----------------------|--------------------------|
| Fulton to Shattuck | Residential | Citrus, Ash & Sourgum | Flowering Pear |
| Shattuck to Milvia | Residential & Hospital | Sweetgum | Red Maple or Hedge Maple |
| Milvia to MLK | Residential | Sweetgum | Red Maple or Hedge Maple |

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|---------------------------|--------------------------------------|-----------------------|
| Fulton to Shattuck | Commercial & Residential | Evg. Pear, Fern Pine, Willow & Sumac | Sumac, Pear or Willow |
| Shattuck to Milvia | Hospital & Small Office | Sweetgum | Red Maple |
| Milvia to MLK | Residential & Parking Lot | Sweetgum | Red Maple |

NORTH-SOUTH STREETS

| Segment | Context | Existing Tree Species | Proposed |
|--------------------|----------------------------|--------------------------|--|
| Hearst to Durant | Part of Major Improvements | Holly Oak & Frontier Elm | determined as part of major improvements |
| Durant to Channing | Residential | Linden & Chinese Flame | Chinese Flame or Deciduous Oak |
| Channing to Haste | Residential | Holly Oak & Linden | Chinese Flame or Red Oak |
| Haste to Dwight | Residential | Live Oak & Miscellaneous | Live Oak or Chinese Flame or Red Oak |

| Segment | Context | Existing Tree Species | Proposed |
|-------------------------|-------------------|-----------------------|-------------------------------------|
| Berk. Way to University | Abuts UC Projects | one lone Alder | Decid. Pear, Live Oak or Bl. Walnut |

| Segment | Context | Existing Tree Species | Proposed |
|-----------------------|--------------------------|-----------------------------|--|
| Hearst to University | Residential & Commercial | Decid. Pear & Evg. Magnolia | Decid. Pear or Evg. Magnolia |
| University to Allston | Commercial & Civic | London Plane & Sweetgum | London Plane or Columnar Red Maple |
| Allston to Bancroft | Civic | Ginko & Decid. Pear | Ginko |
| Bancroft to Channing | Residential & Civic | none present | London Plane or Ginko |
| Channing to Haste | Residential | none present | Hedge Maple (east); Red Maple (west) |
| Haste to Dwight | Residential & Hospital | Sweetgum | Japan. or Hedge Maple (e.); Red Maple (w.) |

| Segment | Context | Existing Tree Species | Proposed |
|-------------------------|--------------------------|-------------------------|------------------|
| Hearst to Berkeley Way | Commercial & Residential | Palms, Hawthorn & Sumac | Purple Leaf Plum |
| Berk. Way to University | Commercial & Residential | Plum | Plum or Hawthorn |

| Segment | Context | Existing Tree Species | Proposed |
|-----------------------|--------------------------|-------------------------------|---------------------------|
| Hearst to University | Commercial & Residential | Raywood Ash | Raywood Ash |
| University to Allston | Civic & Commercial | London Plane, Maple, Sweetgum | Red Maple |
| Allston to Dwight | School & Residential | Sweetgum, Elm & Camphor | Red Maple or Honey Locust |