

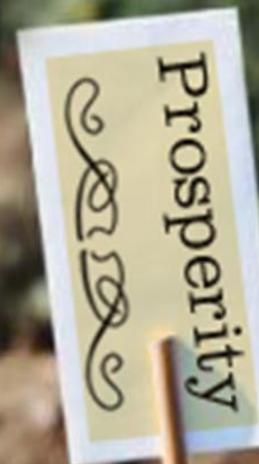


Planning for Tree Friendly Healthy Communities

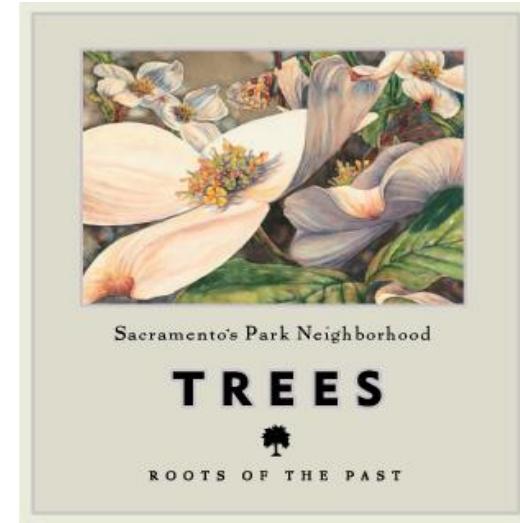
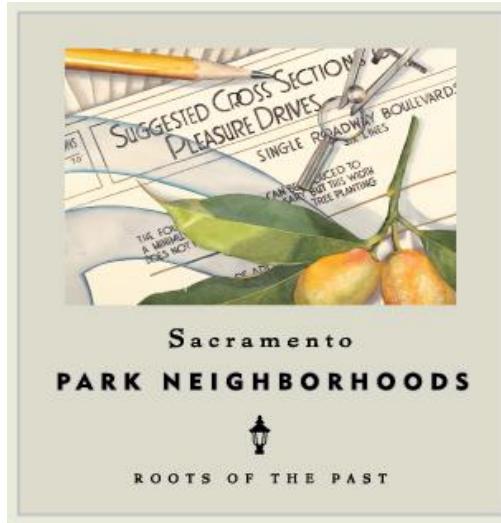
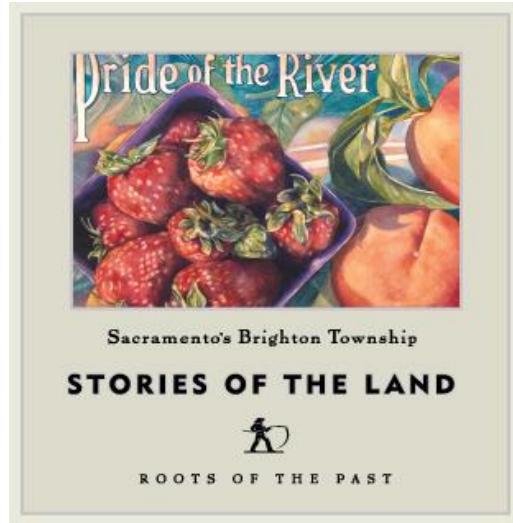


STONEBRIDGE
PROPERTIES, LLC

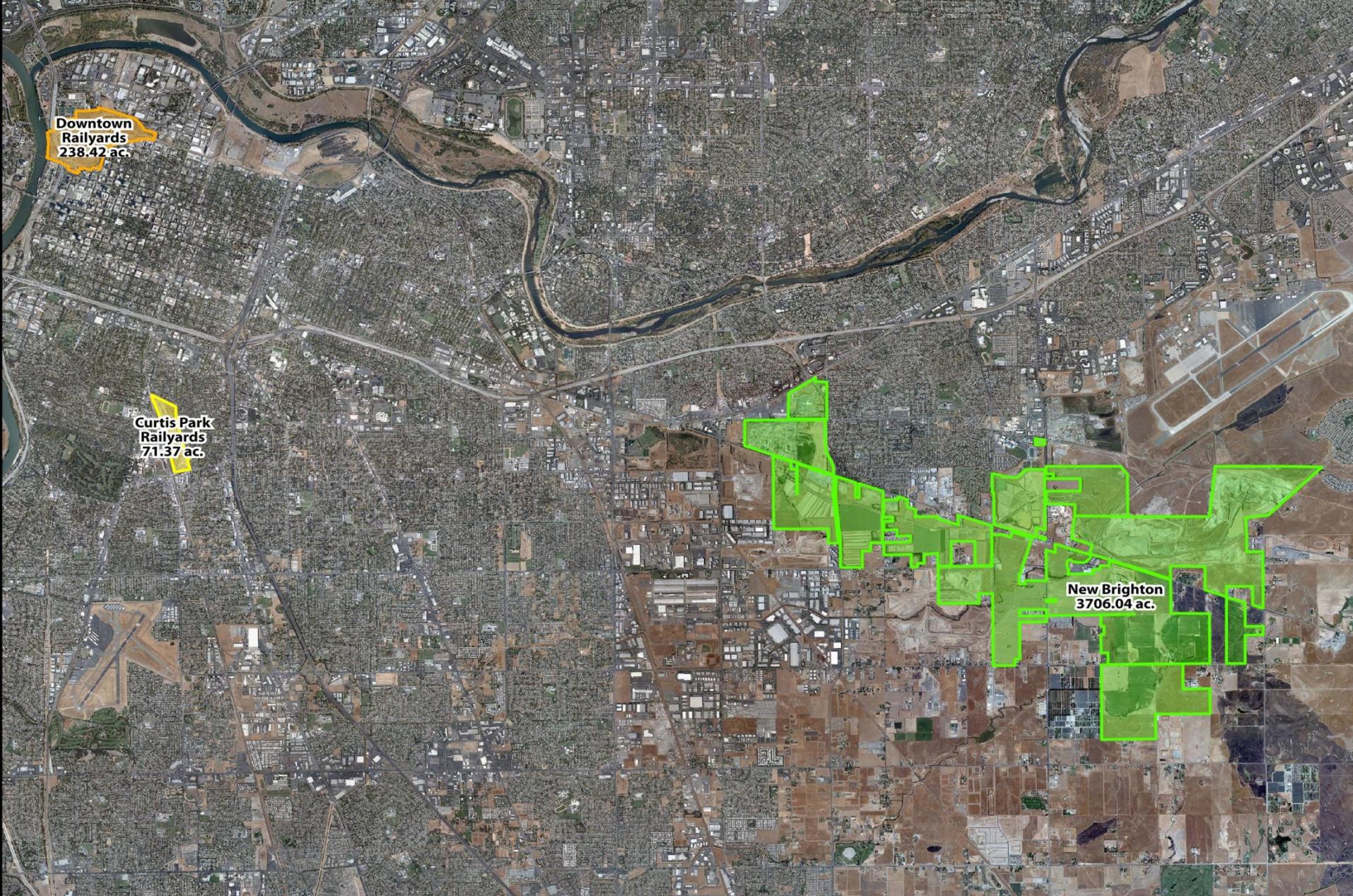
Our Holistic Approach.

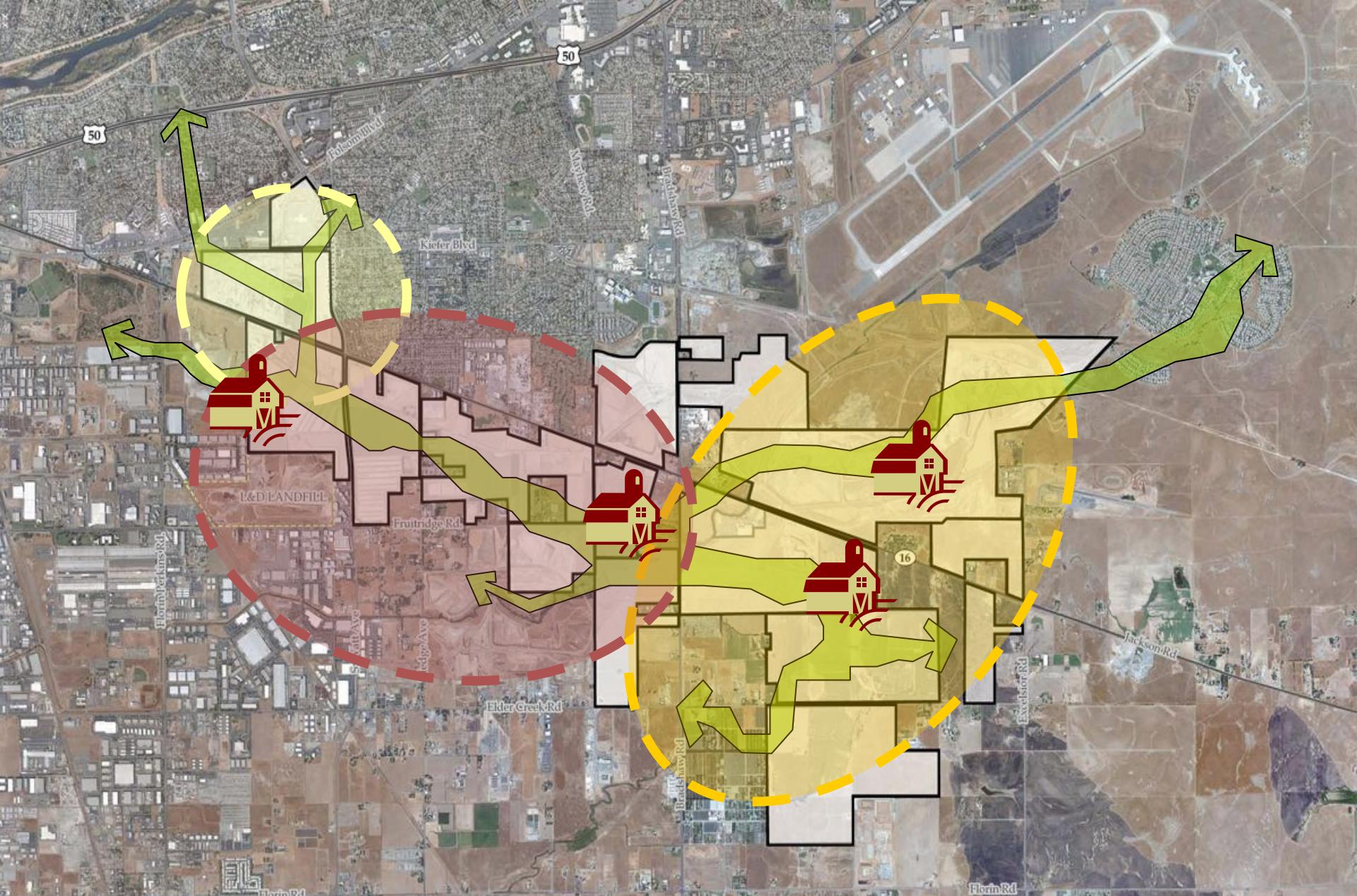


Legacy Approach: Looking backward...to move forward



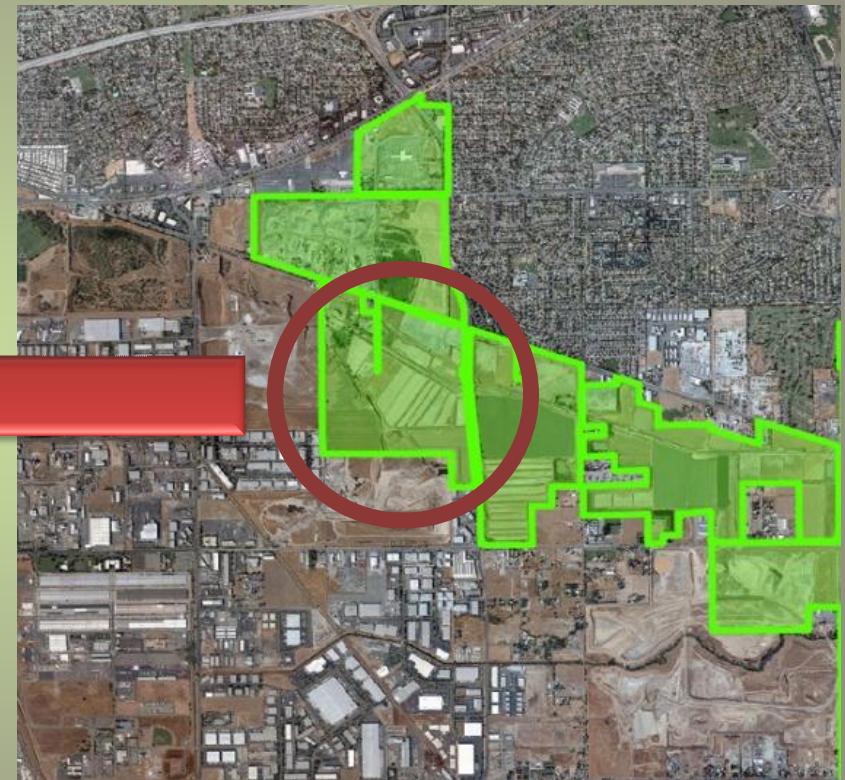
StoneBridge Publications







CITY OF SACRAMENTO, CALIFORNIA
SEPTEMBER 2, 2009
SHEET 3 OF 5



SPD - PUD SCHEMATIC PLAN
ASPEN 1 - NEW BRIGHTON
CITY OF SACRAMENTO, CALIFORNIA

JUNE 2010
Revised July 7, 2010
Illustrated July 26, 2010



LEARN MORE
www.sacramento-planning.com
City of Sacramento
Planning Department
100 K Street
P.O. Box 26501
916.808.5277
SWA
Schafer, Walker & Associates
Architects
Planners
Designers
Developers
100 K Street
P.O. Box 26501
916.808.5277
WOOD RODGERS
DEVELOPING INNOVATIVE DESIGN SOLUTIONS
100 K Street, Suite 1000
P.O. Box 26501
916.808.5277
FAX: 916.841.7767

Aspen 1 – New Brighton

- Single Family Units 482 units
- Multi-Family Units 883 units
- Commercial SF ±200K SF
- School ±9.8 acres
- Open Space 20 acres
- Urban Farm 27 acres
- Parks 25 acres

Total Acreage 232 acres

Total Units 1,365

***Plan proposes over 7,500 trees**

Mixed Residential

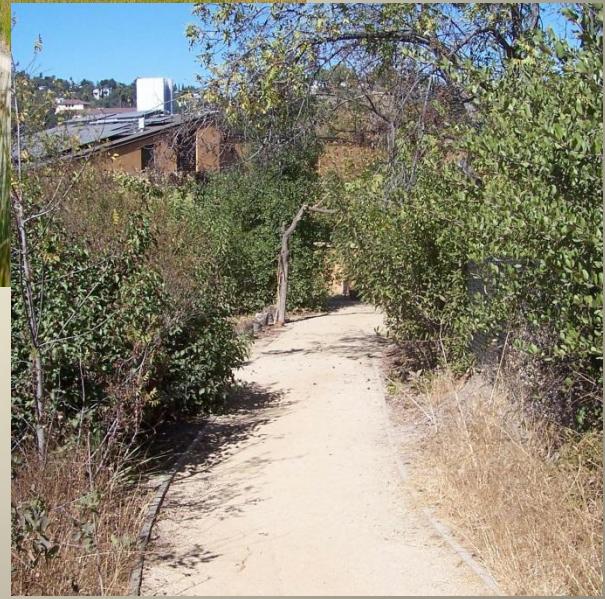




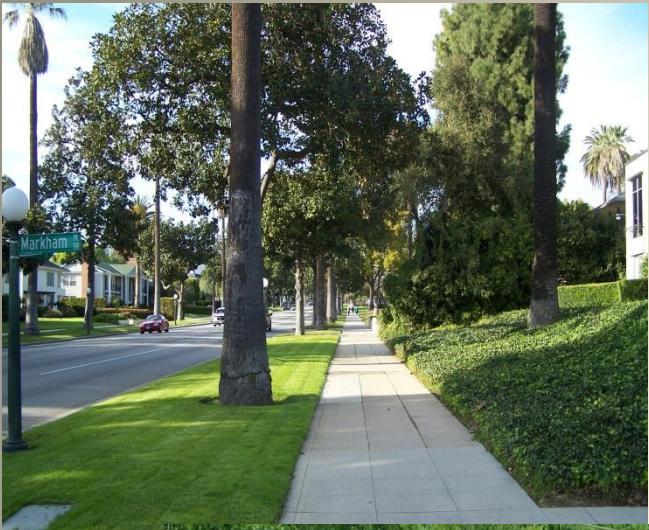
Local Commercial



Recreational Amenities



Multimodal Transportation





Urban Farm



New Brighton Urban Forest

Worked with USDA Forest Service Center for Urban Forest Research to develop a comprehensive urban forest comprised of over 7,500 trees and more than 50 species which provide the following Ecosystem benefits:

- Reductions in energy use
- Improvements to air quality
- Reductions in levels of atmospheric greenhouse gases
- Improved water quality

New Brighton Urban Forest



REDUCTIONS IN ENERGY USE:

Lowering summertime temperatures through shading buildings and evapotranspiration, and moderating winter temperatures by slowing winter winds..

Did you know?

The average California Household uses approximately 8,000 kWh of electricity each year. Energy reductions in New Brighton are roughly the equivalent of 28-110 households.

The trees of New Brighton are estimated to reduce **electricity** use by 225,000 kWh annually in the early years and by up to 875,000 kWh as the urban forest matures

New Brighton Urban Forest



Did you know?

Air quality benefits are closely tied to tree size, with large trees intercepting up to 12 times more pollutants than small trees.

IMPROVEMENTS TO AIR QUALITY:

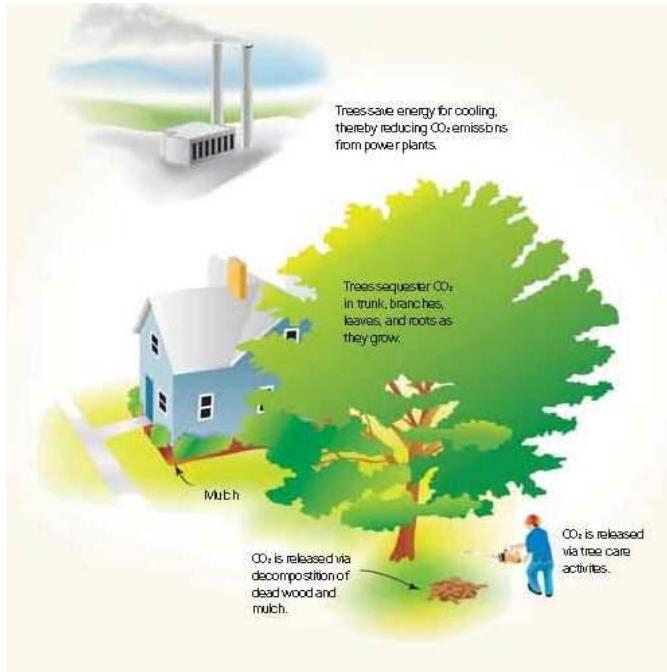
By reducing energy use, trees also reduce the amount of **air** pollutants produced at the power plant.

In addition, their leaves intercept and absorb air pollutants

As the urban forest in New Brighton matures, total absorption and interception will equal 7,200 kg and avoided emissions 743 kg per year.

New Brighton Urban Forest

GREENHOUSE GAS REDUCTIONS:



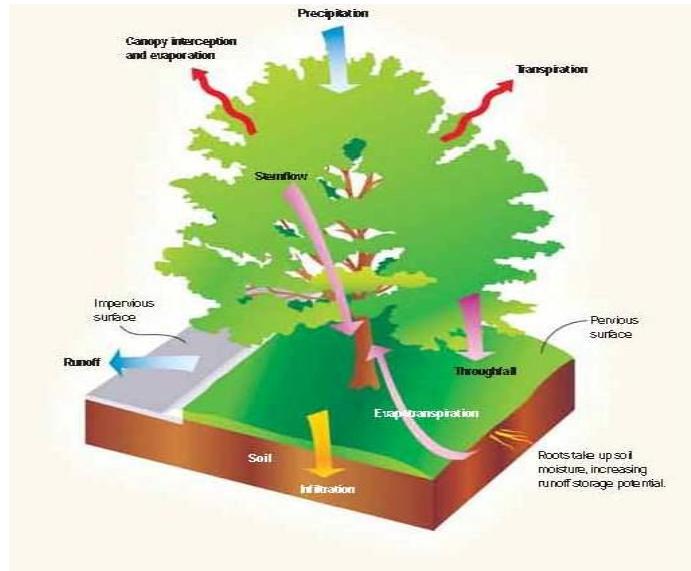
Did you know?

Large trees sequester as much as 100 times more CO₂ than small trees (30 tons versus 350 kg) over the trees lifetime.

As trees reduce energy use, they reduce the amount of greenhouse gases produced at the power plant. As they grow, trees also sequester carbon dioxide CO₂ from the atmosphere.

Together these climate change benefits in New Brighton will result in annual CO₂ reductions of approximately 650 metric tons per year during the early phases of the project, and 2,000 annually at the peak.

New Brighton Urban Forest



Did you know?

Water quality benefits are related to size and species type, i.e. whether trees have leaves during the rainy season. The largest broadleaf evergreen tree will intercept up to 3,500 gallons whereas the smallest deciduous tree will capture 135 gallons.

IMPROVED WATER QUALITY:

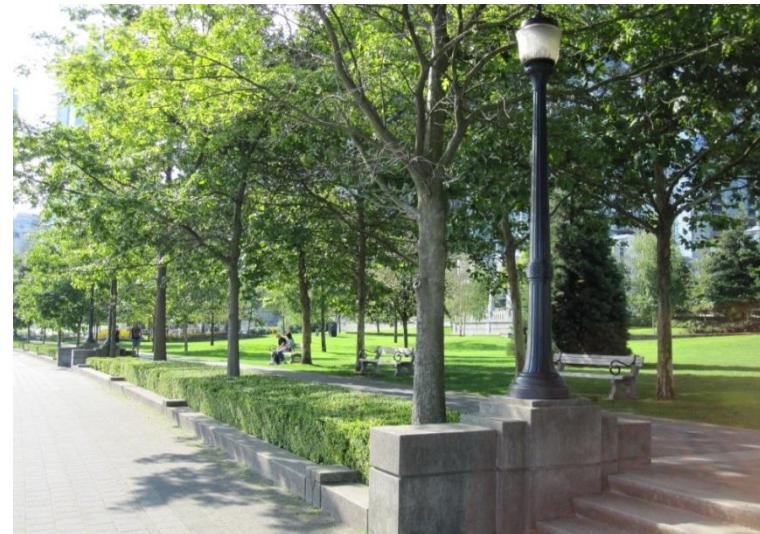
Urban forests improve water **quality** by intercepting rainfall before it flows into streams and storm drainage systems.

In the early years, the trees of New Brighton are estimated to **intercept** 1.9 million gallons of runoff per year, in later years they are estimated to intercept up to 12.8 million gallons per year.

New Brighton Urban Forest

ADDITIONAL BENEFITS OF AN URBAN FOREST:

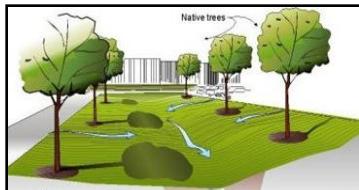
- Neighborhood Beautification
- Increased Property Values
- Attractiveness of Retail Settings
- Human Health
- Wildlife Habitat
- Reduced Street Maintenance Costs



Low Impact Development

We use a variety of simple tools in order to:

1. Slow down runoff.
2. Provide areas for storm water to percolate into pervious surfaces.
3. Improve water quality

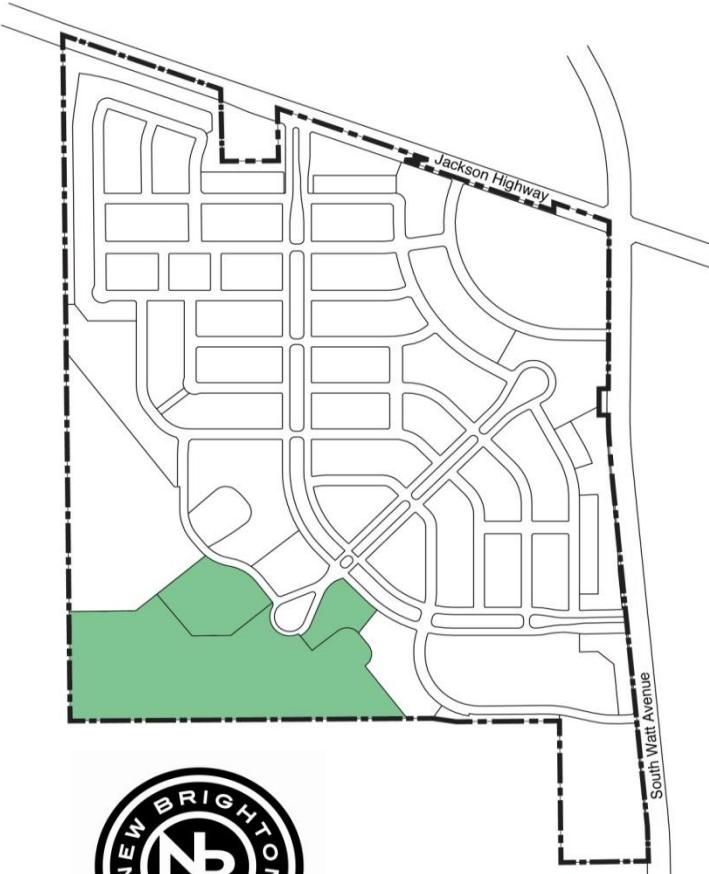


Low Impact Development and Post Construction Stormwater BMP's

Exhibit 1



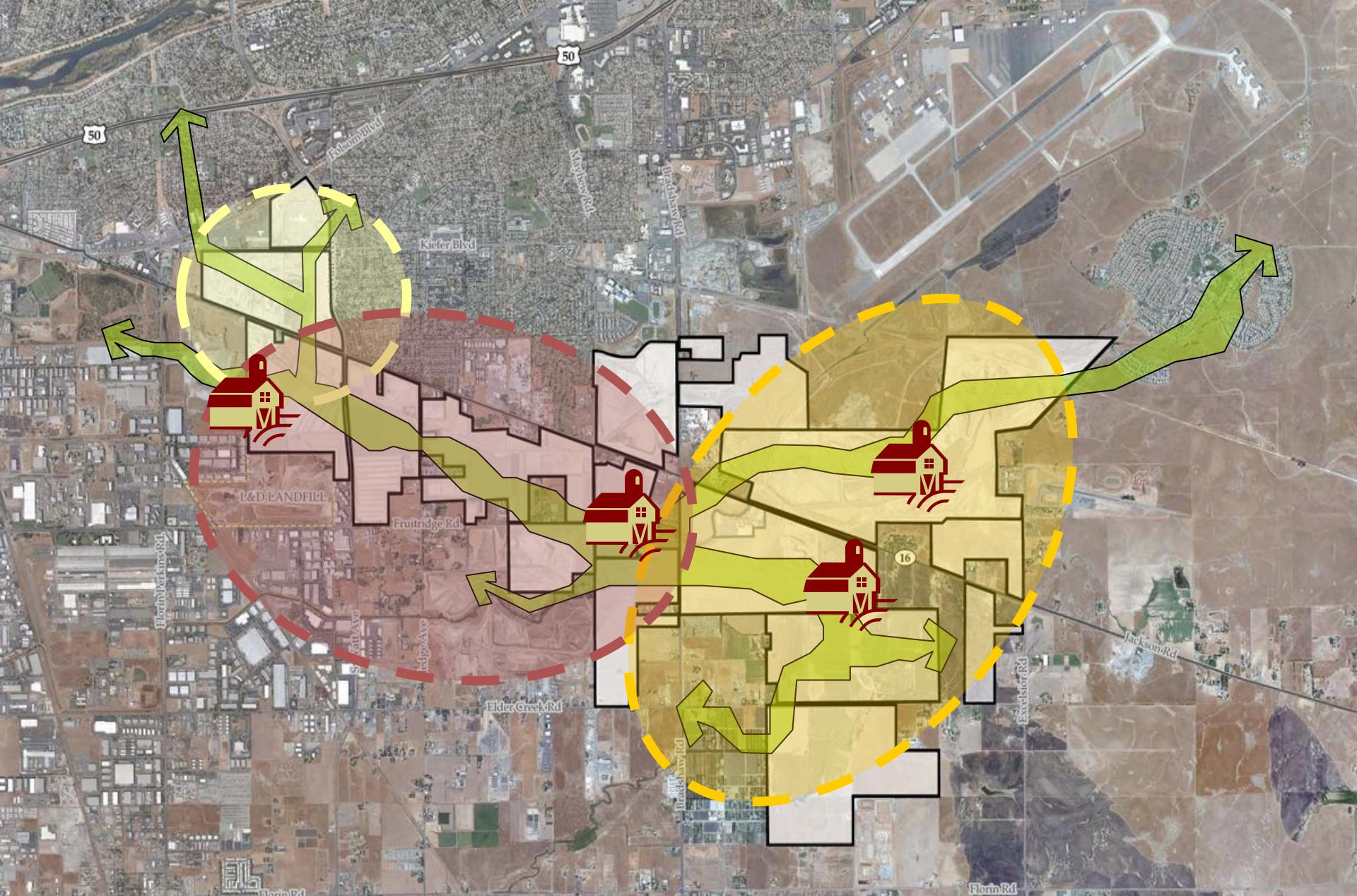
Urban Farm



Urban Farm

- Increases Access to Fresh Local Produce
- Connects people with the natural world
- Reduces Transportation Costs & Associated Pollution
- Creates Opportunities for Community Engagement
- Serves as “Bridge” to Rural Farmers







www.stonebridgeproperties.com