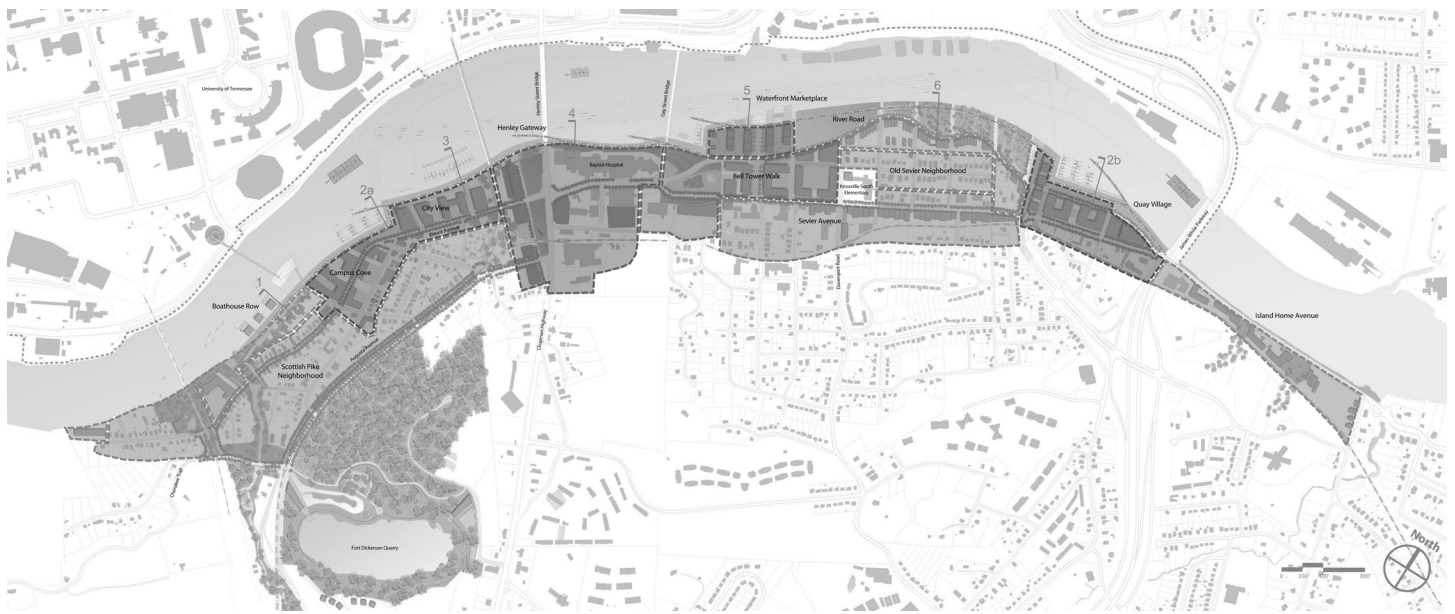


STREAM BUFFER STANDARDS

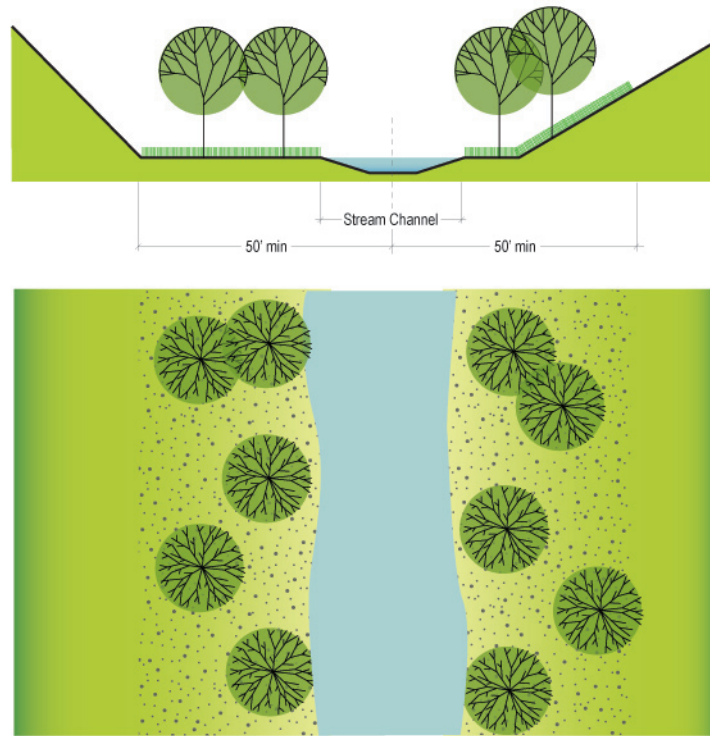
8-1 VISION & INTENT



South Knoxville's Goose Creek is intended to become a continuous green corridor that would connect people, bicycle riders, and wildlife from the waterfront up to the great open space at Fort Dickerson. The intent of the stream buffer standard is to ensure the provision of an adequate amount of landscape coverage for water quality, drainage and flooding, erosion control and stream bank stabilization, wildlife habitat, and scenic quality. By creating a stream buffer and restricting impervious surfaces, the streams are allowed to maintain a natural flow and storm water drainage. Restricting polluting uses will maintain water quality, while protected and/or improved riparian vegetation will ensure bank stabilization, sediment control, and pollution filtration. Improved water quality in streams will also allow for a safe recreational use of the Tennessee River and its waterfront.

STREAM BUFFER STANDARDS

8-2 STREAM BUFFER



BUFFER WIDTH:

50' from center line of stream channel

PROHIBITED IN BUFFER:

Buildings, filling, parking, waste storage

PERMITTED IN BUFFER:

Trails and paths less than 15' wide

BUFFER VEGETATION:

Residential use docks and/or decks less than 100 SF
 Utility maintenance, re-vegetation work
 Min 8 healthy large canopy trees per acre
 Groundcover 80%-100% coverage of species adapted to riparian conditions. Use native vegetation where possible

STORM DRAIN OUTLETS

Diffuse flow and/or flow spreaders
 Headwall angle to match channel slope with scour protection included

PERMITTED USES IN BUFFER:

Yards, picnic areas, walking trails, greenways, landscaped areas, wildlife habitat, non-polluting uses

NON-PERMITTED USES IN BUFFER:

Parking lots, dumpster storage, grease bin storage, vehicle storage, vehicle maintenance, concentrated animal lots or kennels, water polluting uses.