

RIVERSCAPE STANDARDS

7-1 VISION & INTENT



Knoxville's riverfront is one of its greatest assets. Currently populated with industrial use and storage, there are hardly any public access or amenities associated with the river on its south shore. Developing a continuous experience along the riverfront is imperative to the economic, cultural and recreational identity for South Knoxville. It is also a great benefit for the north shore tenants as their views across the river could improve significantly, consequently raising quality of living as well as real-estate values. The riverscape standards ensure access to the waterfront with pedestrian, bike and vehicular access, and improves river frontage to private properties. The following standards apply to the design and construction of riverbanks in conjunction with best management practices as they apply to erosion control, flood protection, and habitat protection and/or improvement.

The intent of the Riverfront Setback is to ensure:

The provision of an adequate amount of landscape coverage for habitat, water quality, erosion control and scenic quality expressed by the community:

- Proper riverbank stabilization to prevent property erosion and loss;
- Proper space for potential storm water drainage and utility corridors;
- Continuous ADA pedestrian and bicycle access along the riverfront with regular connections to lanes, streets or roads perpendicular to the river edge expressed by the community;
- A continuous green riparian corridor proportional in scale to adjacent buildings;
- Maintenance vehicle access; and
- Prevention of non-river-related or non-river-dependant structures.

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7-2 RIVERBANK

RIVERWALK PATH:	20' wide shared use pavement
RIVERWALK TREES:	Trees limbed up to allow views under @ 30'-50' spacing
RIVERWALK LIGHTING:	Continuous lighting to allow pedestrian use at night
RIVERWALK FURNITURE:	Benches and trash receptacles @ regular intervals
RIVER BANK LOWER:	Rip-Rap and/or rock-filled wire mattresses from river bottom to normal high
RIVER BANK UPPER:	Bioengineered slopes above normal high
RIVER BANK SLOPES:	No steeper than 1 in 2.5 unless in rock or mechanically stabilized
RIVER BANK STORM DRAIN OUTLET:	Headwall angle to match bank slope, include scour protection
RIVER BANK VEGETATION:	Clusters of trees, 90%-100% coverage of grass, groundcover or shrub species adapted to riparian conditions
RIVER BANK CLEAR VIEW:	With the exception of tree trunks, allow for unobstructed views from riverwalk over river bank vegetation to river surface
PERMITTED USES:	Decks, boat ramps, vessel mooring structures, docks, piers, gangway to marina, walkways, boardwalks, landscape, lighting & furniture elements, utility & stormwater facilities, non habitable shelter structures as accessories to marinas
NON-PERMITTED USES:	Parking , filling, waste storage

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7-3 RIVERWALK

