PROCTOR CREEK

STREAM ENHANCEMENT

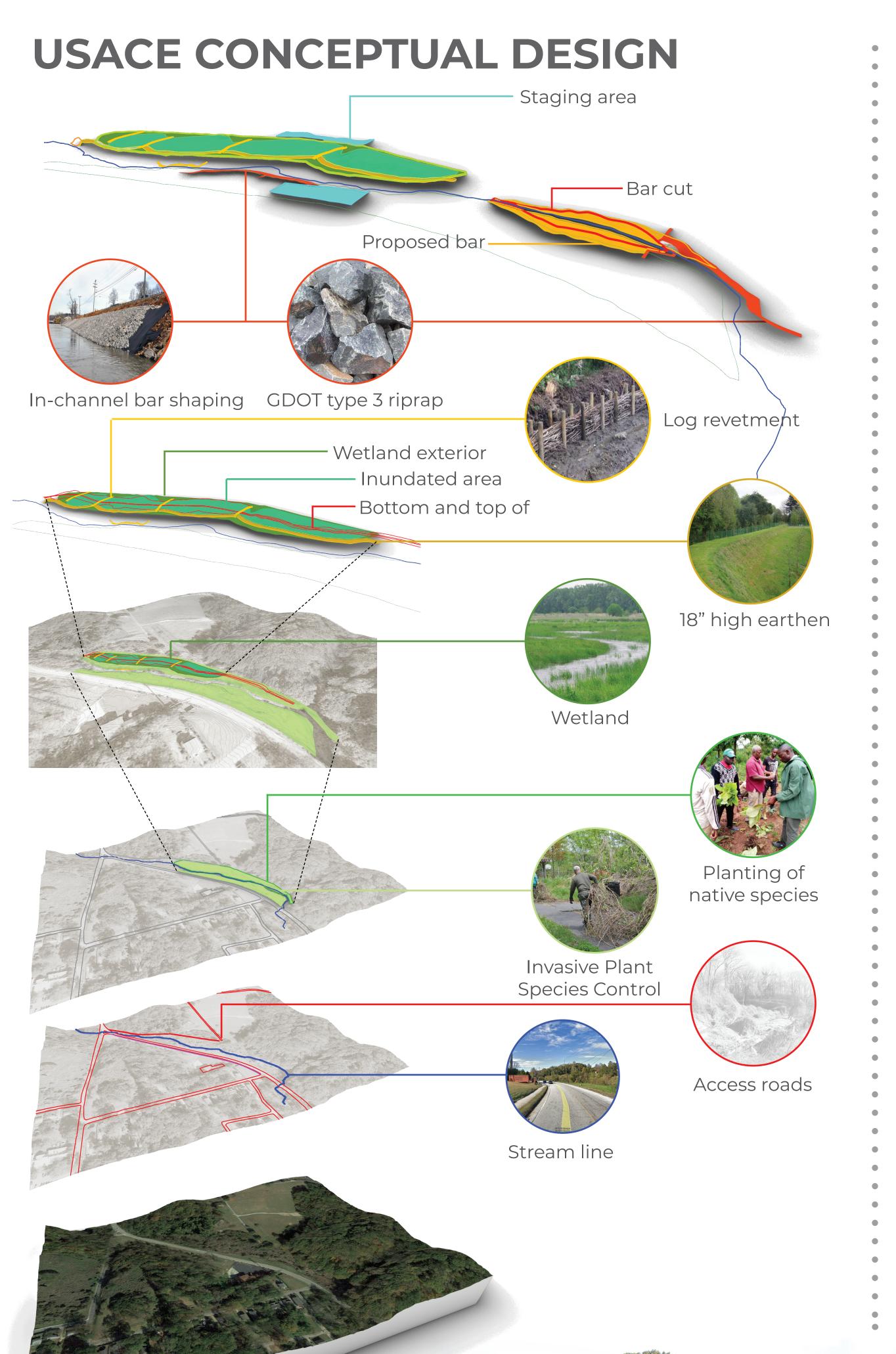


Students: Gretchen Bailey Felipe Barrantes Maria Luisa Escobar Jackson Gannaway Sarah Hutchinson Nick Moss Saadia Rais Samantha Trust



UNIVERSITY OF GEORGIA

College of Environment + Design



MANAGED INTERPRETIVE AREA

Allows visitors to learn more about the

site through informational panels

ZONES

HOLLYWOOD DRIVE

ROADSIDE PLANTINGS ————

Drier areas with color-

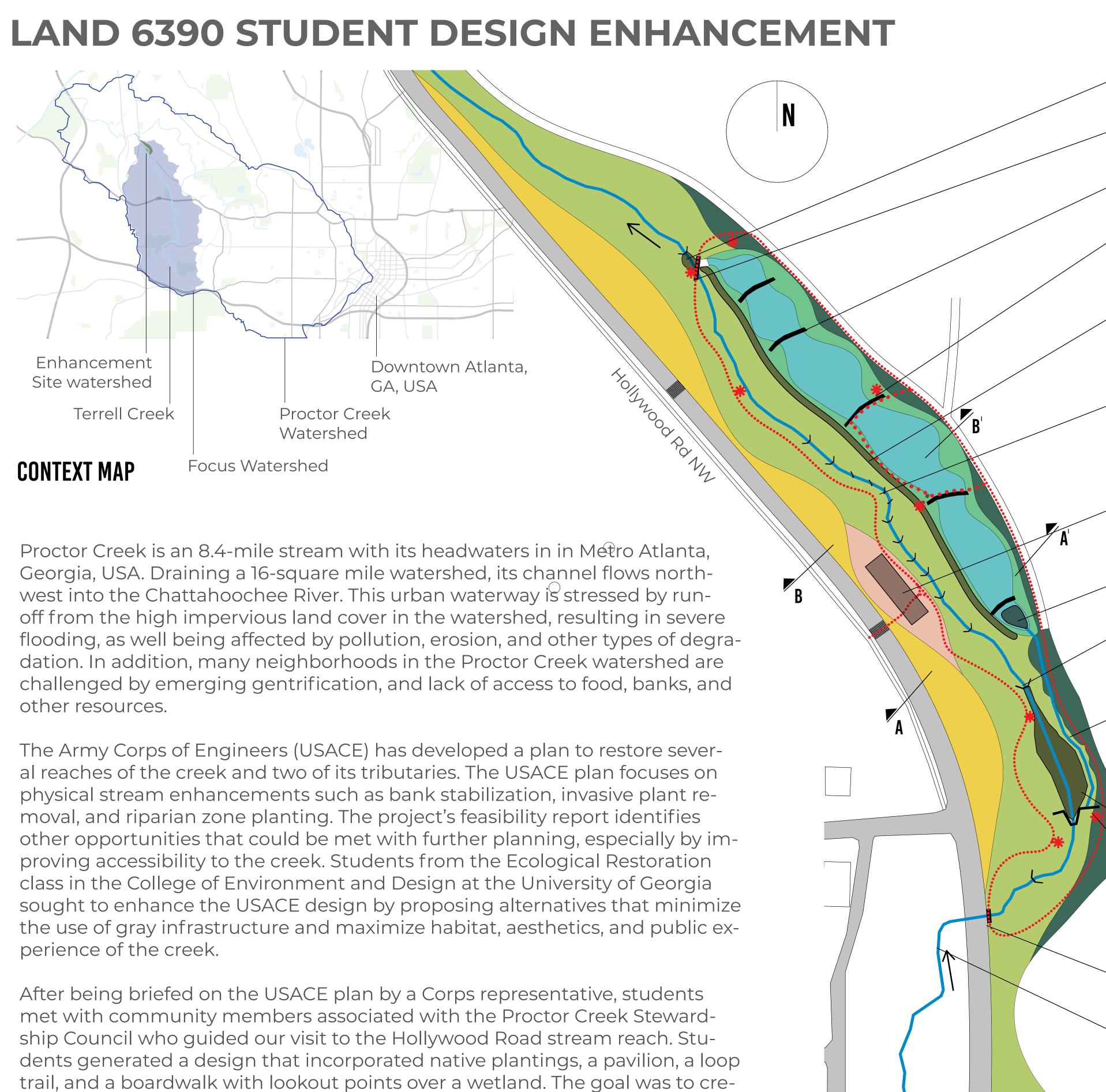
ful vegetation to attract

visitors and add scenic

scale 1"=10" (2x vertical exaggeration)

value.

SECTION A-A



P00L: when water divertment goes back to the stream it falls

BRIDGE: located on the northern end of the proposed pedestri an path to connect it on both sides of the creek.

LOG REVETMENT: a sill of logs for ponding.

LOOKOUT POINT: located throughout the pedestrian path offering rest spots with benches and interpretation panels that provide information regarding the flora and fauna living in

WOODEN BOARDWALK: an extension to the proposed pedestrian oath over the wetland area. The boardwalk will provide access to the wetland area while protecting it from damage that could result from direct contact with foot traffic.

J HOOK: a row of boulders starting at one bank and angled upstream into the middle of the channel where it ends in a curve of smaller rocks with gaps in between. Like the cross vane (see below), this structure is meant to deflect flow away from the banks and scour out a long pool, but it is constructed in bends of the stream.

PROPOSED PAVILION: intended to serve as a gathering space for the neighboring communities. It will house picnic tables and

FOREBAY: a constructed pool at the inlet of a stormwater management structure used to settle contaminants.

CROSS VANE: an in-stream structure consisting of rows of boulders beginning at the banks and angled upstream, connected by smaller rocks. Meant to direct flow away from the banks and create a long, deep pool.

PEDESTRIAN PATH: proposed as a loop along the perimeter of the site to provide recreational opportunities for neighboring communities. It is connected by the bridge and features the wooden boardwalk over the wetland, lookout points and a oroposed pavilion.

> · IN-BAR SHAPING: provide habitat and shape the impact of water flow.

GDOT TYPE 3 RIPRAP: a retaining wall of loose rock of a specific size to armor the bank.

BRIDGE EXTENSION FOR PEDESTRIANS

CONSTRUCTED WETLAND

STREAM CENTERLINE

—18" HIGH EARTHEN BERM

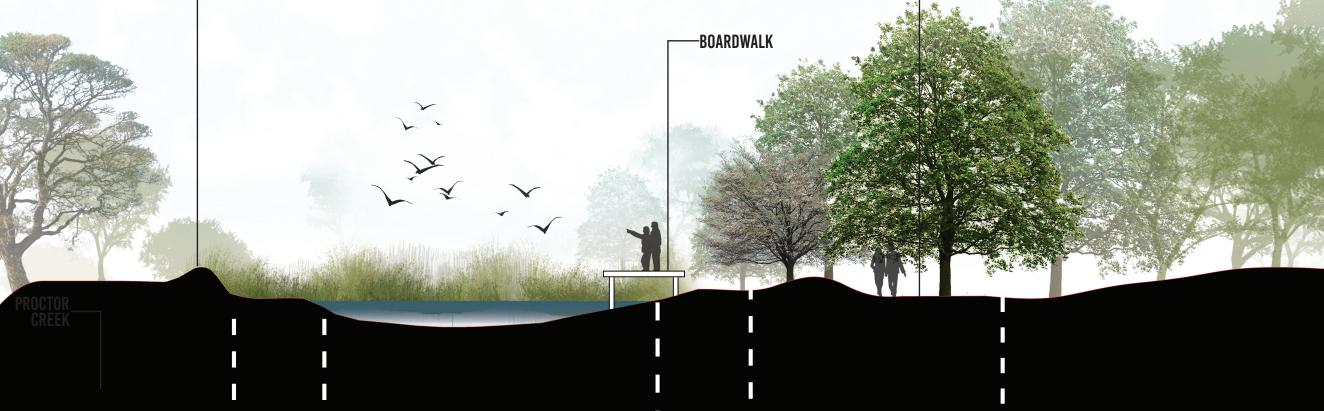
Swamp Milkweed Asclepias incarno



American Sycamore Platanus occidentalis

River Oats Chasmanthium latifoliur

Dimpled Trout Lily *Erythronium umbilicatum*



SECOND GROWTH FOREST

EXISTING MATURE

scale 1"=10' (2x vertical exaggeration)

- EMERGENT WETLAND

RIPARIAN FOREST

Images: All image sources through noncommercial reuse under Creative Commons

Text: Spira, Timothy P. Wildflowers & Plant Communities of the Southern Appalachian Mountains & Piedmont: A Naturalists Guide to the Carolinas, Virginia, Tennessee, & Georgia. Chapel Hill: University of North Carolina Press, 2011.

SECTION B-B

HOLLYWOOD DRIVE

ROADSIDE PLANTINGS —

ZONES

ate a design informed by the desires of the communities neighboring Proctor

Creek while increasing the ecological benefits of the USACE plan.

EXISTING SECOND GROWTH FOREST

ant trees

Higher-elevation areas

dominated by water-toler-

CONSTRUCTED

Area saturat-

ed with water

whose unique

plants provide

filtration and

aquatic habitat

RIPARIAN FOREST

- EMERGENT WETLAND

the main wetland

Dynamic plant community

that grows on the edges of

WETLAND

STREAM CORRIDOR

Streamside plantings slow

water velocity, stabilize

banks and provide shade

scale 1"=10' (2x vertical exaggeration)

ENHANCEMENT PLAN

MANAGED INTERPRETIVE AREA

STREAM CORRIDOR

All graphics in this proposal are for illustrative purposes and not intended for final design or construction