

LIVING ARCHITECTURE MONITOR®

A GREEN ROOFS FOR HEALTHY CITIES PUBLICATION

VOLUME 22 / ISSUE 3 / FALL 2020

THE AWARDS OF EXCELLENCE ISSUE

INSIDE:

2020 AWARDS OF EXCELLENCE WINNING PROJECTS AND PEOPLE
NAOMI DAVIS OF BLACKS IN GREEN TALKS ABOUT THE SUSTAINABLE SQUARE MILE
WHY SCHOOLS AND GREEN ROOFS ARE PERFECT TOGETHER
HOW BROOKLYN GRANGE HAS ADAPTED TO COVID 19

DON'T MISS
CITIESALIVE
VIRTUAL 2020
OCTOBER 20 TO 23



“The project site rests on a mountain lake in western North Carolina, a region known for its biologically diverse habitats and species. The green roofs on the buildings integrate the structures into the landscape and are planted with species native to the region and support a wide variety of insects and birds. The plants are arranged in a way that mimics native plant communities with different layers and rooting characteristics.”

- Kate Ancaya, Living Roofs Inc

FOSTERING RESILIENT COMMUNITIES AT ANY SCALE

The design goals for this project were to integrate the buildings into the site and maximize the ecological impact of the green roofs. All of the roofs on the property include a green roof: the main house, guest house, and boathouse. While the main and guest houses each have roofs designed to sustain native plant communities. This was achieved through a rigorous design process that includes a combination of warm and cool-season grasses, perennials, and groundcovers. Aside from being a beautiful amenity, the roofs reduce stormwater, cool the structures, and provide important wildlife and pollinator value.

The green roofs are designed to optimize stormwater retention through the type and components of the green roof build-up, to the plant material, planting approach, and irrigation system. A highly diverse plant species mix was used and a dense planting approach to maximize evapotranspiration and reduce raindrop impact.

Habitat and biodiversity were primary goals for this project and the driving force behind the design, plant selection, planting design, and post-installation maintenance, combining plants with different growth characteristics and habits to maximize plant coverage, habitat, and food and nectar sources. Additionally, the diverse plant palette with large-leafed herbaceous plants also helps to capture particulates in the air.

The green roofs were designed to demonstrate how a natural plant community that supports a diverse range of pollinators can be a beautiful visual amenity.

Judges praised the project for comprehensive utilization of available space for green roofing, and the extensive and thoughtful use of native plantings.

CATEGORY

Small Scale Residential

PROJECT

Sandyland Cove

LOCATION

Lake Toxaway, NC

AWARD WINNER

Living Roofs Inc

TEAM MEMBERS

Architect

PLATT

General Contractor

PLATT

Green Roof Designer & Installer

Living Roofs Inc