### Funding and Design

The green roof garden terrace at Serviam Gardens was designed by Esther Yang, Enterprise Rose Architectural Fellow (2007-2010), and Jack Coogan of OCV Architects. Robin Key Landscape Architects (RKLA) selected all plants and configured the garden beds with plant selections.

Serviam’s 8,000 square foot rooftop garden terrace is the first green roof on a HUD 202 project in New York City. Its design is geared towards creating a green space in an urban setting that simultaneously alleviates environmental stressors and addresses the emotional and physical well-being of the senior residents at Serviam Gardens.

### Environmental Benefits

This green space incorporates environmental features aimed to reduce storm water runoff, increase thermal comfort, and improve air quality. The green roof addresses environmental disparities for Serviam tenants as well as the surrounding neighborhood. The roof’s environmental features include:

- Two 750-gallon rainwater tanks to collect rainwater that will be used to irrigate the roof’s plants
- Bioswale infrastructure to mitigate and divert storm water
- A selection of wetland plants to receive, absorb, and detain rainwater and reduce storm water runoff

### Renewable Resource Use

FBHC recognizes its global environmental responsibility and chooses to use renewable materials where possible. The green roof features bamboo flooring and planters. Most woods take from 15 to 100 years to be harvested, whereas bamboo can be harvested every 5 to 7 years.

### Social and Mental Health Benefits

The interactive nature of the roof’s features will create an outlet that can improve the mental health and quality of life for the residents of Serviam Gardens. Studies show that the elderly, subject to isolation and illness, face a higher risk of depression and suicide. As a way to alleviate the contributing factors of these emotional states, the landscaping initiative provides physical spaces for social encounters and peaceful activity.

### Funding Partners

- U.S. Dept. of Housing and Urban Development
- Enterprise Community Partners
- Enterprise Green Communities
- NYC Dept. of Housing Preservation and Development
- Home Depot Foundation
- NYC Housing Development Corporation
- Chase
- Con Edison

### Design and Construction Partners

- Robin Key Landscape Architects
- Esther Yang, Enterprise Rose Architectural Fellow (2007-2010)
- OCV Architects
- City Beautiful Carpentry
- Greensulate
- Galaxy General Contracting Corp.