

# Roofmeadow

Green roofs. For good.

## Cira Green Philadelphia, PA

### Assembly

6.00 - 30.00 inches of media

### Irrigation

Surface Drip + Base Flood

### Roofmeadow Contractor

Sean's Landscaping, Inc.

### Completion Date

Estimated Spring 2015

### Awards

2013 AIA PA Honor Award

### Area

53,200 square feet

### Waterproofing

Polyurethane

### Architect

Erdy McHenry Architecture

### Landscape Architect

Roofmeadow

Cira Green is an iconic, publicly accessible skyline amenity space atop a nine-story parking garage in Philadelphia. As the landscape architect, Roofmeadow designed the roofscape to manage stormwater in all vegetated and hardscape plaza areas. Thin under-pavement "blue roof" cisterns beneath the plaza spaces and walkways that slowly release captured rainwater into adjacent planting beds. Sloping lawn, perennial beds, ornamental meadow drifts, and shade trees soak up both direct rainfall and water detained in the 'blue roof' cisterns below the paving. The interwoven blue-green roof strategies provide a unique approach to holistic stormwater management.

This hybrid design approach will provide enhanced runoff volume reduction, additional runoff rate reduction, and water quality treatment in comparison to either on-roof planting or detention alone. A fundamental distinction of this design concept is that evapotranspiration substitutes for infiltration, providing an equivalent process for runoff reduction in a rooftop context as is generally valued on ground-level landscapes.

Cira Green received a 2016 AIA Philadelphia Design Award, a 2013 AIA Philadelphia Honor Award and a 2015 DVGBC Groundbreaker Award.



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