

PUBLIC SAFETY HEADQUARTERS (PSHQ) BUILDING (and surrounding areas)

12099 Government Center Parkway

Fairfax, VA 22035



PROJECT DESCRIPTION

Nine-story, 274,000 square-foot building that accommodates both Police and Fire and Rescue Department administrative staff to maximize shared resources among first responder agencies that often work together in the field. The project is located on a secure 9.3-acre portion of the Fairfax County Government Center campus, adjacent to the Herrity Building, and includes an 850-stall parking structure. The facility is designed to accommodate more than 700 employees by 2030 and includes space for Police central records, a press room, training rooms, an occupational health center, fire marshal's offices, exhibit areas, and departmental memorials.

DESIGN

Sustainable Design Features:

- Leadership in Energy and Environmental Design (LEED) Gold certification from the U.S. Green Building Council. LEED projects are scored based on points earned in various sustainable design categories: site selection, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, innovation in design, and regional priority credits. With the addition of PSHQ, Fairfax County now has 15 LEED Gold certified and 15 LEED Silver municipal buildings.
- The county's first large facility to use LED lighting throughout.
- Green roofs, permeable pavements, rain gardens, and other green stormwater management features (bio-filtration) work together to slow, filter, absorb, cool, and purify rain water before flowing to a wet pond that controls the release of that water from the site.
- A 25,000-gallon tank harvests some of the runoff and reuses it for on-site irrigation.

- Daylight harvesting sensors take advantage of natural lighting and adjust indoor light levels, depending on the amount of sunlight available.
- Low-flow plumbing fixtures; recycled materials; and low VOC emitting materials, to improve indoor air quality.

Design Approach:

- The landscape and hardscape geometry and materials complement the building facade.
- Walking paths, seating, and security measures were incorporated.
- Home to police and fire memorials, which are prominently displayed in front of the building to honor the men and women who have fallen in the line of duty.

IMPLEMENTATION

- HOK DC – Landscape Architecture Division - developed hardscape and planting designs and details.

MAINTENANCE

- The majority of the site is maintained by the Facilities Management Division (FMD).
- Stormwater management areas, including green roofs and other green stormwater infrastructure, are maintained by the Maintenance and Stormwater Management Division (MSMD).

WARRANTIES & TIMING

- PSHQ Building: Off warranty in Spring 2018.
- Dredged Pond: Under warranty through Fall 2019.
- Herrity Fountain: Construction to start in Fall 2019. Completion expected in Spring 2020.

OBSERVATIONS

- Weeding during appropriate seasons should be factored into routine maintenance.
- Grouping plants for clear design intent and ease of mulching is advised. Grouped plants create less chance for mowers to damage isolated trees and shrubs.
- Grouping plants will help differentiate between desired plants and weeds.
- Mowed lawn can be used to define and frame areas of more naturalized planting beds.
- Soil amendments and decompaction must be addressed after construction materials and equipment have been removed.
- Soil preparation for planting beds is critical. It is often necessary to remove existing soils and roots to minimize the weed seed “reservoir” and to use imported clean topsoil for new plantings.
- Plants should be included that can cover the ground rapidly and outcompete weeds.
- Invasive vines will weaken trees and ultimately kill them and must be removed.