

# NYPA TRAINING FACILITY





**NEW YORK POLICE ACADEMY**  
 TRAINING FACILITY URBAN LANDSCAPE CAMPUS  
 QUEENS, NEW YORK

This 35 acre state-of-the art training facility will consolidate all of NYC’s Police Academy’s facilities onto one campus. As executive landscape architect of record, HMWhite led a multi-disciplinary team to integrate this high performance landscape campus design with the building’s operations and the site’s matrix of complex site engineering re-quirements. As former marshland with uncontrolled filled deposited over the past 40 years, the landscape design initiative was to rebuild the site’s original ecological structure. Employing the performance criteria of a fresh water wetland, the campus framework and layout was informed by ecological engineering principles. Supporting landscape typologies established a campus landscape framework within which the facility’s exterior program was accommodated and shaped. Low-maintenance native meadows transition into constructed wetland landscapes are coordinated as a cohesive landscape context for the building and its network of outdoor social spaces. The landscape design offers building inhabitants and visitors to conveniently use and access a variety of landscape spaces that also have performative ecological functions. Merging human use with the site’s biological engineering functions is one of the primary tenants of this campus landscape design.

Classified as a filled marshland, the landscape design is built upon a coordinated network of undulating, indigenous wet and dry meadows. The meadows emerge as a spatial organizational system that also directs storm water movements and absorption. To restore the site’s original hydrologic functions to the Flushing River and Bay watershed community, the site’s former “drainage ditch” was reconfigured to regenerate the native habitats of a partial tidal and fresh water wetland.

**PROJECT FEATURES**

- 35.7 acre facility
- Storm water collection, absorption and re-use
- Grey water harvesting/re-circulation for irrigation
- Native vegetated roofs
- Recycled/salvaged materials reused on site
- Regenerated wetland ecology
- Native plant communities
- Low maintenance landscape management requirements
- Regeneration of wildlife habitats

**COMPLETION**

Summer 2017

**COST**

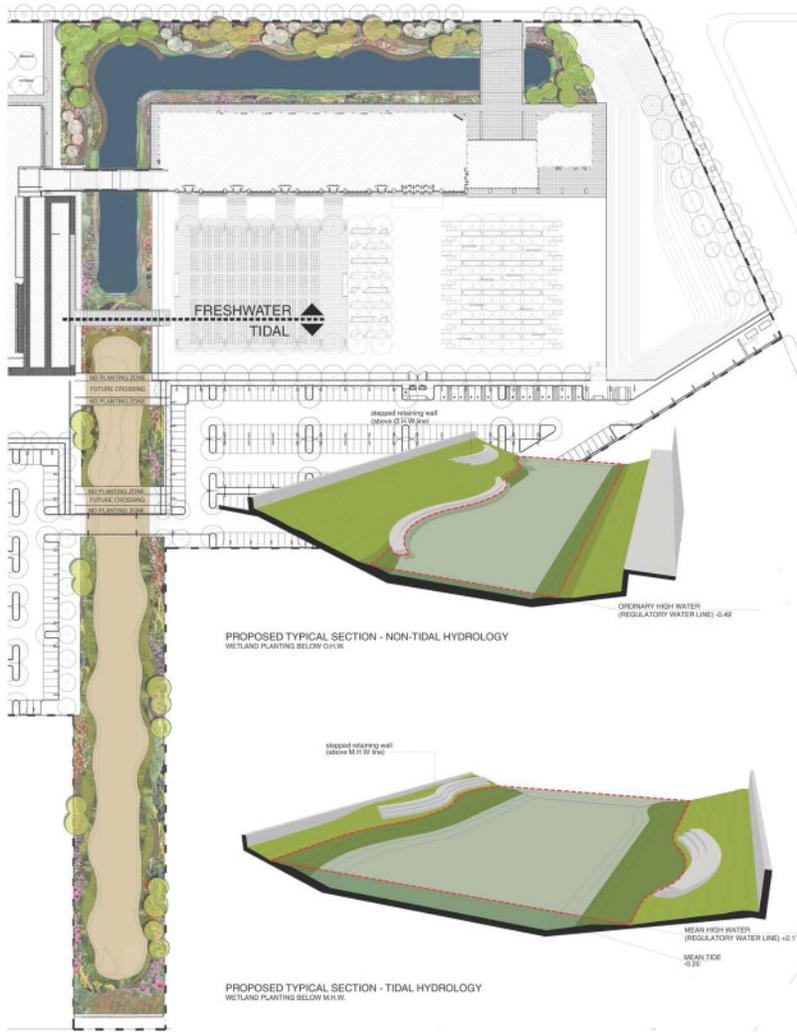
\$700 Million

**CLIENT**

New York City Police Department  
 New York City Department of Design and Construction

**DESIGN TEAM**

Executive Landscape Architect: HMWhite  
 Design Landscape Architect: Balmori Associates  
 Architect: Perkins + Will  
 Consulting Architect: Michael Fieldman Architects  
 Civil Engineers: Langan Engineering & Environmental Services, PC  
 Structural Engineers: Robert Silman Associates + Guy Nordenson and Associates  
 MEP & Fire Protection: WSP Flack + Kurtz



RESILIENT DESIGN FEATURES

- Storm water collection, “polishing” and absorption – reducing flows into Flushing River and Bay
- Grey water harvesting and re-circulation for site irrigation
- Vegetated roofs of native grass plant communities
- Recycled and salvaged materials are re-used as site materials
- Low landscape management design network
- Wildlife habitats regenerated through network of cohesive native plant communities

