

Architect:

W.A. Brown & Associates, P.C.
Douglas W. Brewer
21495 Ridgetop Circle
Suite 205
Sterling, VA 20166
Phone: (703)406-2700
Fax: (703)406-3802
d_brewer@wabrownarchitects.com
<http://wabrownarchitects.com>

Owner:

Wetland Studies and
Solutions, Inc.

Project Cost:

\$6,069,060

Square Footage:

42,190 sf

Cost per Square Foot:

\$143.85/sf

Completion Date:

n/a

Project Consultants:

General Contractor

EE Reed Construction, LP
Doug Peterson
610 Herndon Parkway
Suite 200
Herndon, VA 20170
Phone: (703)925-0700
Fax: (703)925-0702
dpeterson@eereed.com
<http://eereed.com>

Mechanical, Electrical, Plumbing

Potomac Energy Group
Farooq Ahmadzai, P.E.
Senior Vice President
20 South Quaker Lane
Alexandria, VA 22314
Phone: (703)683-5000
Fax: (703)823-3358
farooqa@pegroup.net
<http://pegroup.net>



Project Description:

Wetland Studies and Solutions, Inc. (WSSI) pride themselves with sustaining the top natural and cultural resources consulting firm in the Northern Virginia region. Their site reflects the belief that "healthy state and local economies and a healthy Chesapeake Bay are integrally related; balanced economic development and water quality protection are not mutually exclusive" (Chesapeake Bay Preservation Act). The site is a hydrologically, technologically, and ecologically advanced design that is also economically viable.

Green Features:

This project features green innovation both inside the building and out. The WSSI integrated low-impact development site traps, slows, infiltrates, and reuses rainwater with:

- A 3,626 s.f. green roof
- An 8,000 gallon underground cistern
- A 1,536 s.f. rain garden
- 10,513 c.f. of underground gravel bed detention
- 3 types of pervious parking surfaces (29,980 s.f. total)
- A 265 l.f. water quality swale
- Drip irrigation and native landscaping
- 23% open space

The site mitigates the urban heat island effect through the use of high-albedo and green roofs, pervious surfaces, and extensive native landscaping. Alternative transportation is encouraged through bicycle storage and preferential carpool parking.

Inside the building, green features keep employees comfortable and healthy while reducing the company's ecological footprint. A few interior features include:

- 62 individually controlled thermal zones
- 300% more ventilation than is required by code
- Low-VOC paints, coatings, fabrics, furniture, and carpets
- Motion and daylight sensors that control high-efficiency lighting

Civil Engineering

Urban Engineering and
Associates, Inc.

Dave McElhanev

7712 Little River Turnpike
Annandale, VA 22003

Phone: (703)642-8080

Fax: (703)642-9234

dmcelhanev@urban-engineering.com

<http://urban-engineering.com>

- High levels of insulation and low U-value glass
- Recycled and rapidly-renewable materials
- EnergyStar rated appliances and electronics
- Low flow and waterless fixtures that reduce water consumption by 50%
- An open floor plan that allows over 80% of employees access to daylight.

Interior Design

Bartzen + Ball, PLLC

Meg Thomas

911 King Street

Alexandria, VA 22314

Phone: (703)548-4301

m_thomas1@verizon.net