



Canaan Valley Institute New Headquarters Facility

SUSAN MAXMAN & PARTNERS ARCHITECTS DAVIS, WEST VIRGINIA



As part of 50,000 square foot, state-of-the-art green-building facility, F. X. Browne, Inc. worked to create an artful, yet functional site and stormwater management plan for the new headquarters of the Canaan Valley Institute.

Working as part of a large interdisciplinary team, we used ecological restoration and low impact design techniques to recreate natural woodland, meadow, and wetland landscapes on an existing, highly disturbed site. Stormwater management features, which included infiltration gardens and treatment wetlands, also served as key landscape elements.

Numerous pedestrian paths, terraces, and walking bridges allow staff and visitors to experience the natural landscape from a variety of perspectives. Infiltration based-stormwater management techniques resulted in no-net increase in stormwater volumes up to and including the 100-year storm.

To demonstrate the connection between stormwater and land forms, a chain of step/pool channels and rain gardens conveys stormwater from roof tops and terraces, promoting water quality treatment and infiltration and creating hydrologic conditions similar to perched wetland communities found elsewhere on the site.

The site incorporates state of the art sustainability technologies, receiving LEED™ Certification credits based upon our designs for reducing site disturbance, stormwater management, and innovative wastewater technologies and is targeted to be certified at the Platinum Level.

Sustainable Development