HURON CONSULTING
A SMALL BUSINESS

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ENVIRONMENTAL SITE DESIGN ■ CIVIL ENGINEERING

NEWS—Summer 2011

Innovative ESD Approach for MCPS

Construction of a unique low impact stormwater management facility is underway at Cold Spring Elementary School in Potomac, the first Environmental Site Design (ESD) retrofit of its kind for a Montgomery County public school. ESD uses non-structural Best Management Practices to prevent soil erosion and minimize pollution. Montgomery County Department of Environmental Protection is retrofitting some of its public facilities with ESD techniques to achieve the County's goal to treat 20% of existing impervious areas.

Under contract to JK Architects for the addition of a gymnasium and related site features, Huron Consulting designed a three-tiered bio-retention facility to treat and manage stormwater. Grass weirs are provided at each tier where the stormwater will collect, percolate and be treated for pollutants by bioretention media. The overflow runoff will be collected at the bottom level and tie into an existing drainage system.

To minimize disruption to the site and to retain grass playfields and a community snow sledding area, the facility will be constructed within an existing slope and the parking lot will be divided into two basins with a break in the retaining walls. A global stability analysis for the retaining walls was completed to ensure the system is structurally sound.

A three-tiered micro-bioretention area and a green roof are part of the addition of a new gymnasium at Cold Spring Elementary School in Montgomery County.

Renderings courtesy of JK Architects.

Chesapeake Bay Program
A Watershed Partnership

Through the Chesapeake Bay Stewardship Fund, community groups and local governments in the Chesapeake Bay watershed may qualify for a grant for restoration of watershed resources. The National Fish and Wildlife Foundation has partnered with National Chesapeake Network for Education of Municipal Officials and the National Park Service to offer technical assistance for watershed restoration, planning and conservation. A range of tools and resources are available to implement innovative, sustainable and cost-effective strategies for restoring and protecting water quality and vital habitats within the Chesapeake Bay watershed.

Huron Consulting is a technical provider under this program, specifically for land use planning, stormwater management, water quality monitoring, watershed planning and public access planning and design. To find out if your community is eligible for assistance under the program, call Huron at 301.528.2010.

The Town of Poolesville installs a radon and uranium removal system on its water wells

The Town of Poolesville is the first community in Maryland to get MDE approval for a radon and uranium removal system for its water supply. The system will be installed on three of the Town's eleven water wells.

A water quality study showed that uranium levels in two of the Town's wells were close to exceeding EPA's maximum allowable level for contaminants. Although a utility with several wells may choose to dilute the contaminated water to meet the federal standards, Poolesville's proactive approach to install the ion-selection filtration system will ensure contaminant-free drinking water.

Huron has been working on this project with the Town since 2007. A permit was issued by MDE, and construction will start in October 2011.

GSA Contract Holder

Huron Consulting was awarded a contract on GSA's Professional Engineering Services (PES) Schedule (871-7) for Construction Management services. To find out how to order from Federal Supply Schedules, go to www.gsa.gov.

In Other News…

- Staff engineer Dana Wilder Clark received her PE license for civil engineering in MD.
- Huron Consulting received praise from the Smithsonian for its participation in a value engineering study of the new National Museum of African American History and Culture in DC.
- Huron is on a team to design a synthetic turf athletic field at Notre Dame Prep in honor of UVA Lacrosse Player Yeardley Reynolds Love.
- Don't forget to call Huron if you need to meet small business requirements for federal or state work.