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# Oxon Hill High School Environmental Stewardship Day

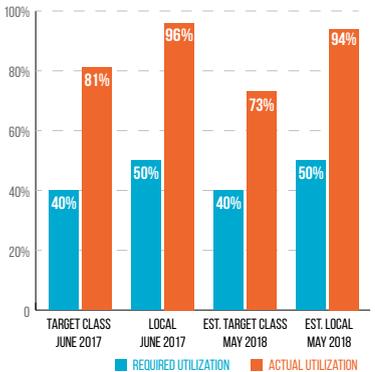
MAY 2017

Sixty-seven (67) Prince George's County students at Oxon Hill High School (OHHS) spent a warm Friday learning about a Clean Water Partnership (CWP) project just steps away from their school. The students, from the integrative sciences and AP chemistry classes, participated in a trash clean-up and spoke with members of the CWP team about the Potomac Business Park Pond, adjacent to the school's property. The pond will undergo the construction of a forebay with a gabian wall with about 1,900 cubic yards of accumulated sediment to be removed from a limited area of the lake bottom. Students spent the first portion of the session learning about stormwater management and how runoff is formed. Greg Harless, with Stormwater Maintenance & Consulting, discussed the project scope and methods that would be used to capture pollutants from the pond. A drainage area map allowed students to visualize how water enters the pond and the impact of the traveling trash and other nearby litter. Tiaa Rutherford, Prince Georges County Department of the Environment, highlighted the County's Litter TRAK app and stressed the importance keeping the communities as litter free as possible. Odessa Phillip and Kristina Bigby, CWP Community Outreach team, shared the CWP's small Minority Business Enterprise goals and discussed career opportunities in the environmental sector. "Oxon Hill High is most grateful for the efforts of you and your team yesterday. I spoke to the participating students when they arrived back into the building



and they were excited to explain what they had learned. Your provided experience with them has renewed our intentional use of surrounding resources to educate our students," said Marqus Holden, principal at OHHS. The students were highly interested in learning about internship opportunities as well as scheduling a future clean-up around the pond. Each student was given a sustainable CWP bookmark and other trinkets. The pond cleanup showcases a great example of CWP team members collaborating with businesses, schools and other County agencies to promote environmental stewardship and awareness of the unique public/private partnership.

## By the Numbers



At June 30, 2017 approximately 1,312 acres were procured for retrofit with approximately \$54M in contract awards program-to-date.

Program Costs Expended To Date  
**\$34M**

Local/Minority Business Participation  
**\$27.4M**

Phase I Estimate at Completion  
 Number of Sites: **117**  
 Estimated Acres: **2,000**

Current Status Completed/In Progress  
 # of Sites June '17: **61**  
 Credits Acres: **1,019**

Remaining  
 # of Sites June '17: **56**  
 Credits Acres: **980.91**

Reporting period as of June 30, 2017.

## CWP hosts Northern and Southern Regional Informational Summit



MARCH–MAY 2017

This spring, the CWP Community Outreach team was busy spreading news about upcoming projects throughout Northern and Southern Prince Georges County (PGC). The first event occurred at the Accokeek Branch Library in which the project consisted of retrofitting an existing dry pond into a wet pond with gabion walls and riprap. In addition, an aquatic bench was installed and 6,000 aquatic plants shrubbery were planted. Over 50 attendees joined to learn about the upcoming projects in Accokeek, Clinton, Oxon Hill, and the Brandywine area. An overview of project selection, design, construction and outreach was provided and visuals of past and current projects complimented the presentation. At the Laurel event, held at the Laurel Library, attendees learned of exciting projects approaching for the cities of Laurel and Beltsville. Thought provoking questions led to discussions around some of the innovative devices

being used and how the CWP would maintain those devices for no less than 30 years. CWP Contractor Development Specialist, Elizabeth Crittendon, discussed the Target Minority Business Enterprise (MBE) goals and the types of skills and capabilities of interest to the program. Other CWP panelists included associates from D&F Construction, Low Impact Development Center, Soletsz, Nardi Construction, Stormwater Maintenance and Consulting and AKRF. In common practice of collaboration, speakers from the PGC Department of the Environment, Alice Ferguson Foundation and Maryland Parks and Planning provided information on their organizations and how they all work closely with the CWP team. Both events allotted time for networking while the team shared photos of completed CWP projects. Stay tuned to [www.thecleanwaterpartnership.com](http://www.thecleanwaterpartnership.com) for information on the next CWP informational event.



## CWP Schools Program, Spring Planting Events

MARCH–MAY 2017

On the heels of last years' success of the CWP Schools program, students and teachers were eager to participate in the tree planting sessions after stormwater retrofits were completed at their school. Friendly High, John Hanson Montessori and Scotchtown Elementary each received a Micro Bioretention pond, flourished with native plants designed to thrive and serve as a food source for nearby wildlife. Grade levels ranged from 1st–5th and students were selected by the designated CWP champion for that school. Jam Kendrick, with the CWP Community Outreach team, coordinated the sessions and partnered with Bradley Site Design and Anacostia Watershed Society to facilitate the hands-on educational activity. Students enjoyed

getting dirty and learning about the many ways their planted shrubs would support the filtration devices. One school champion mentioned that her students had identified rare species of bugs, caught tadpoles and observed families of geese and ducks while visiting the newly installed pond. Friendly High students showed lots of enthusiasm during their session and received miniature pots with CWP seeded bookmarks to grow in the classroom. As part of the 2017 Schools Program, 8 schools will be completed and the team looks forward to leading a new round of students in a fall tree planting session.

## CONTRACTOR SPOTLIGHT

# Kirila Earthworks

### How long has your company been in business?

Kirila Earthworks was incorporated in June 2015, and founded with the core belief of making a significant impact on the environment, specifically in the stormwater sector as it relates to clean water management.

### What is your specialty?

The business is focused on green infrastructure construction, stormwater management and BMP installation, land management and restoration, complete site development and underground utilities.

### What is a typical day like for you?

A typical day starts with morning visits to the construction sites to get a firsthand look at the progress of the projects. When back at the office, many tasks and operations are delegated. Estimations, bid proposals, and project management are a top priority on a typical day.

### What do you like best about your job?

The thing that I like best about my job is the opportunity to provide a good living to our employees, including company paid health insurance, retirement benefits and a great work environment for our team. A majority of our employees live in Prince Georges County so it's great to be able to put them to work close to home on projects funded by their tax dollars.

### What is the best thing you have learned since joining the CWP team?

The best things I've learned since joining the CWP team are just how many opportunities exist in the MS-4 compliance space beyond our core competency of earthwork and civil construction, and how this may indicate the directions in which our business will grow in the future.

### What do you want readers to know about you and your company?

Kirila Earthworks is always in learning mode. I believe that if our minds are set to a certain point of view or way of thinking, we can miss out on some great ideas and best practices. At Kirila Earthworks we pride ourselves on doing the job right, on schedule and on budget.

### What CWP projects have you worked on thus far?

We completed the Accokeek Library project, which was a total pond retrofit. The scope of work included earthwork with significant excavation and soil export, installation of concrete pipe, placing and connection to multiple concrete structures, gabion and forebay construction, all while working in a very pedestrian intense area between a public library, park and ride station and a supermarket. We recently started our second CWP project, Simmons Ridge, another total pond retrofit.



### LEARN MORE

#### Certifications:

Prince George's County Based  
Small Business

#### Website:

[www.kirilaeearthworks.com](http://www.kirilaeearthworks.com)

#### Phone:

301-453-6300

## CWP Welcomes 3 Engineering Firms to the Program

MARCH 2017

The CWP team is constantly growing and welcomed three (3) new design engineering firms to the program family. AED Inc., CPJ Associates and EBA Engineering, Inc. have been slated to work on a number of CWP projects have been collaborating with integral members of the team for a smooth transition.



Founded in 1991, **AED, Inc.**, a certified county-based small minority business enterprise located business in Hyattsville, MD, is a solutions-driven, multi-discipline engineering, construction services and information technology firm that delivers high quality, cost-effective services to public and private clients. The staff is comprised of Professional Engineers, Certified LEED Professionals, Certified Energy Managers, and Registered Architects. Some of their many services include mechanical, electrical, fire protection and civil and structural design; commissioning and retro-commissioning; LEED; Energy Analysis; Facility Assessments and Management; Construction Management; Information Technology; and Cybersecurity. In addition, AED Inc delivers a unique combination of construction management and engineering (CME) services, technology and support resources. As part of this service, AED performs a broad range of construction engineering and inspection services ranging from data centers consolidation, laboratories, water/wastewater design and central utility plant maintenance and operations to the construction management, and engineering studies. Headquartered in Hyattsville, MD, the company also has offices in located in Florida, Georgia, New Jersey and South Carolina. Recognizing the CWP as having a great impact on the community, AED is happy to be a part of the program and is currently providing BMP design for St. Mary's Catholic Church on Annapolis Road.



**Charles P. Johnson**, a certified county-located business in College Park, MD, was founded in 1971 as a professional association of partners

and associates, and focuses on areas of planning, engineering, and surveying for residential and commercial projects within the Washington, D.C. metropolitan area. Their expertise in offering water resources and stormwater management services, led them to performing innovative design and sub-consultant work with the CWP. Many of the CPJ design professionals possess experience in stormwater management, erosion control, hydrology and hydraulics and expertise in the regulations and requirements specific to stormwater design. The company has acquired numerous repeat clients in the DC and Maryland market and is well versed in Maryland Department of the Environment's new Environmental Site Design (ESD) requirements for public projects across central Maryland. CPJ is most honored to partner with the CWP and provide the highest quality of services to communities in which they live, work and play.



**EBA**, a certified county-based minority business enterprise located business in Laurel, MD, began in 1981 as a small civil engineering firm specializing in civil/site, environmental, geotechnical, structural, transportation, water resources, and water systems engineering. 35 years over, the business has grown to 250 employees and is now operating as a full-service civil engineering and construction management firm with certified materials testing laboratories in Maryland and DC. The company has held on-call contracts with both Prince George's County Department of Public Works and the Department of the Environment, equipping them with the pertinent knowledge to perform work on CWP projects. The EBA team enjoys interacting with like-minded technical and management experts and has contributed to six pond retrofits thus far. Headquartered in Laurel MD, EBA was most recently listed among Engineering News-Record's Top 500 Design Firms for 2017 and looks forward to designing green infrastructure that will help to restore the County watersheds and Chesapeake Bay.

## In the Community – Catch us if you can!



**1** Community Outreach team members provide CWP project information to attendees at the Laurel Open House event.



**2** Young citizen attends the Blue Book "Who's Who" Showcase with his mother as the CWP celebrates Maryland's "Take Your Kid to Work" Day.



**3** CWP team and partners attend another successful rain or shine clean-up for the 2017 Anacostia Watershed Society Earth Day Clean-Up.

**ABOUT THE CLEAN WATER PARTNERSHIP:** The Prince George's County and Corvias Public-Private Partnership (P3), also called the Clean Water Partnership, is an agreement between County government and the private sector to retrofit up to 4,000 acres of impervious surfaces using green infrastructure. This community-focused program works to address the water quality of the Chesapeake Bay, while simultaneously focusing on the needs of Prince George's County residents and local businesses.



## CONTRACTOR SPOTLIGHT

# Bourn Environmental



### How long has your company been in business?

Bourn Environmental was founded in April 2014 and focuses on providing clients with sustainable environmental solutions that benefit the health of the Chesapeake Bay Watershed.

### What is your specialty?

The company specializes in ecological construction, habitat/wildlife management and environmental consulting. Bourn Environmental also has specialized experience in stormwater management, stream restoration, wetland enhancement and shoreline stabilization. In addition to construction, we perform environmental consulting in the form of construction management on projects similar to those that we self-perform. We also perform property management for landowners interested in enhancing native plants and building habitat for important wildlife species like waterfowl, quail and whitetail deer.

### What is a typical day like for you?

As the operating manager I spend the majority of my day in the office, but try to visit our multiple job-sites at least twice a week. Much of my time is spent working with our accountant, reviewing bids with the estimator, assisting the project manager and foreman with site work and developing business relationships in the environmental industry.

### What is the best thing you have learned since joining the CWP team?

Patience. The CWP is a large and ambitious undertaking that we have been proud to participate in since the start in 2015. It has been a learning process for everyone, but I think that we are on the right track to reach the program's goals.

### What is one piece of advice you could offer to small business owners seeking to work in the stormwater management industry?

The people that you hire and surround yourself with are the greatest asset or liability that you will encounter. Choose wisely and reward those that are not only willing to work hard and get muddy, but have a smile on their face while they do it.

### What CWP projects have you worked on thus far?

We have worked on many projects within the CWP program to include, Kettering Baptist Church, District Heights Municipal Yard, Greenbelt Lake, Gwynn Park High School, Glenarden Library, and Belmont Crest. Work consisted of the installation of Bioretention ponds, sand filters, wet ponds and retrofitting forebays.



### LEARN MORE

#### Certifications:

Prince George's County Based Small Business; Prince George's County Minority Business Enterprise

#### Website:

[www.bournenvironmental.org](http://www.bournenvironmental.org)

#### Phone:

301-233-5146

## Project Highlights

SPRING 2017



### County Libraries Receive Stormwater Upgrades

The CWP completed pond retrofits at several Prince George's County libraries as part of the production program. The Accokeek, Beltsville, Glenarden, Kettering, Largo, Oxon Hill, and Spaulding libraries were completed this spring and totaled 12 acres of run-off treatment. The projects were completed by D&F Construction and Nardi Construction and included installation of wet ponds with gabion walls, riprap and aquatic benches. Both Accokeek and Spaulding were larger projects that required collaboration with the State Highway Authority and several surrounding businesses to ensure construction was completed with minimal impact to the community and residents. The team also had the opportunity to meet some of the County's law enforcement personnel, as the Beltsville project occurred near one of the police departments. The CWP is looking forward to the continued partnership with various County agencies as the program continues.



### Innovative Practice at Victory Christian Ministries

Victory Christian Ministries is one of the newest churches to be completed as part of the CWP's Alternative Compliance Program (ACP). The project included the retrofit of an existing parking island utilizing a Focal Point High-Glow media filter, a high-performance underdrain that delivers the advantages of a traditional bioretention system, but in a smaller footprint. The smaller system is ideal for urban area retrofits lacking space for large traditional systems. Added landscaping enhances the overall look and provides habitat for animals and insects. Celsue Construction installed the filtration device and landscaping was performed by Faulkner Lawn Care and Landscaping, both local County-based MBE companies.

## CWP Highlights



The National Association of Counties (NACo) granted Prince George's County a 2016 Achievement Award for the development of the Clean Water Partnership, in the category of Community/Economic Development.



MARYLAND LEAGUE  
OF CONSERVATION VOTERS

The Maryland League of Conservation Voters honored the Prince George's County Department of the Environment's Director, Adam Ortiz, with the 2016 Environmental Leadership Award for his work with Corvias and the Clean Water Partnership.



The Clinton Global Initiative (CGI) convenes leaders to turn ideas into action. CGI Commitments to Action represent bold new ways that CGI members address global challenges—implemented through new methods of partnership and designed to maximize impact. Commitments can be small or large, global or local. No matter the size or scope, commitments help CGI members translate practical goals into meaningful and measurable results.

## CWP Partners



## CONTACT US

### The Clean Water Partnership

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info@thecleanwaterpartnership.com  
thecleanwaterpartnership.com



**ABOUT THE CLEAN WATER PARTNERSHIP:** The Prince George's County and Corvias Public-Private Partnership (P3), also called the Clean Water Partnership, is an agreement between County government and the private sector to retrofit up to 4,000 acres of impervious surfaces using green infrastructure. This community-focused program works to address the water quality of the Chesapeake Bay, while simultaneously focusing on the needs of Prince George's County residents and local businesses.