

SWM improvements at Kenhill Center

Background	<p>On December 29, 2010, the U.S. Environmental Protection Agency established the Chesapeake Bay Total Maximum Daily Load (TMDL). The TMDL is a comprehensive “pollution diet” to restore clean water in the Chesapeake Bay and the region’s streams, creeks, and rivers. A TMDL is the calculation of the maximum amount of pollution a body of water can receive and still meet state water quality standards. Water quality standards are designed to ensure waterways meet a national primary goal of being swimmable and fishable. The Chesapeake Bay TMDL is designed to ensure that all pollution control measures needed to fully restore the Bay and its tidal rivers are in place by 2025. One of the actions taken by the State of Maryland to meet the TMDL was to modify the National Pollution Discharge Elimination System (NPDES) permit requirements for small Municipal Separate Storm Sewer Systems (MS4s). The revised permit is effective in 2017 and requires permittees to begin restoration for 20% of existing impervious area that is not already treated with water quality best management practices. These areas include land developed prior to 2002. By year 5 of the permit (2022), permittees must have developed an implementation schedule to show how the 20% requirement will be achieved by 2025.</p>
Project Scope	<p>This project will add four stormwater management facilities that meet current standards for treating stormwater runoff from roofs and parking areas. The new facilities include a micro-bioretenion site, a rain garden and two bio-swales. Those are all modern practices to remove pollutants from stormwater runoff that are harmful to the Chesapeake Bay.</p>
Project Manager	<p>Name: Patrick Rush Phone: 240-544-5689 email: prush@cityofbowie.org</p>
Total Project Cost	<p>Design Cost: \$164,250.34 Estimated Construction Cost: \$ 375,000.00</p>
Design Consultant	<p>RK&K</p>
Construction Contractor	<p>R.E. Sheehi Trucking & Paving, LLC</p>
Anticipated Construction Date	<p>Construction of the bio-retention facilities is anticipated to begin in the early part of 2019.</p>

Images /
Attachment
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Last updated: 1/24/2019