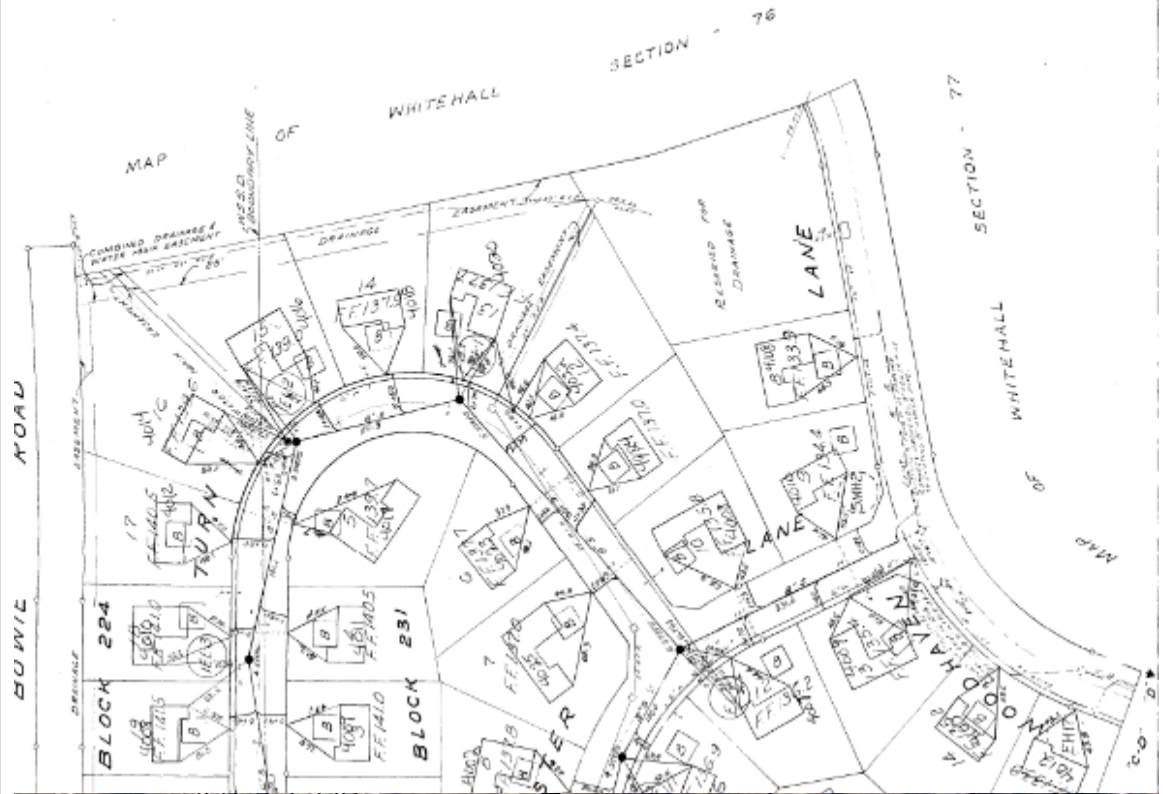


Woodhaven Lane SWM Pond

<p>Background</p>	<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.</p> <p>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> <p>The City has already received an analysis from the Environmental Finance Center of the University of Maryland and has used the services of a private consultant to make recommendations as to how the City can achieve the requirements to be contained within this permit. The proposed Capital Improvement Plan lays out specific projects over the next several years to accomplish the requirement. Many of these projects are located in the Levitt section of the City that was developed prior to current stormwater management standards.</p>
<p>Project Scope</p>	<p>Convert existing dry pond to extended detention wet pond to provide water quality treatment. This will involve the removal of the existing trees, regrading of the pond, new fence and new landscaping.</p>
<p>Project Manager</p>	<p>Name: Patrick Rush Phone: 240-544-5689 email: prush@cityofbowie.org</p>
<p>Total Project Cost</p>	<p>Design cost: \$40,000.00 Estimated construction cost: \$718,500.00</p>
<p>Design Consultant</p>	<p>Bayland Consultants & Designers, Inc.</p>
<p>Construction Contractor</p>	<p>Not awarded at this time</p>
<p>Anticipated Construction Date</p>	<p>Construction of the Retrofit of the Woodhaven SWM Pond is anticipated to begin in early 2020.</p>

Images / Attachments



Last updated: 1/22/2019