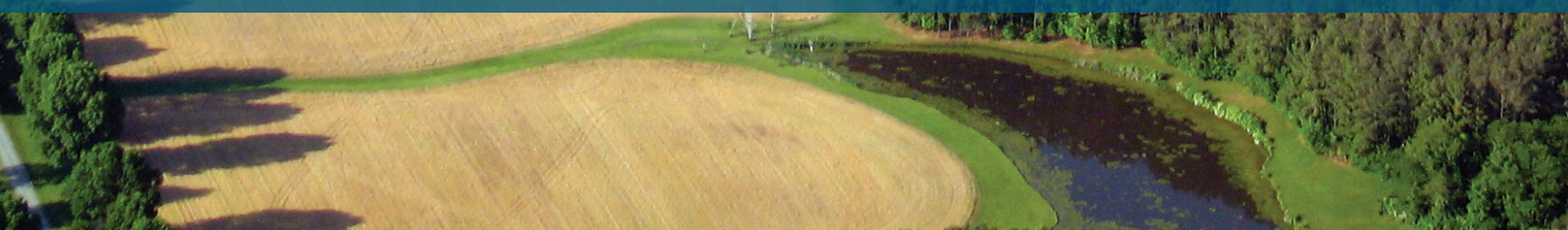




SOLTESZ

**Environmental and Water Resources
Engineering Services**





WHY US?

Soltesz has used our extensive knowledge of stormwater management regulations throughout the State of Maryland and the District of Columbia to create innovative and cost effective solutions for the challenges our clients face when developing a commercial, residential or industrial property.

Soltesz has leveraged this experience to provide a comprehensive package of consulting services to various local and state government agencies to help them with the difficult task of complying with EPA's mandated Total Maximum Daily Load reduction requirements as detailed in various Watershed Improvement Plans (WIP) and stipulated through their Municipal Separate Storm Sewer System (MS4) Permit.

Soltesz's experienced staff are actively involved in various water resources related working groups and committees and are shaping policy development of various stormwater management, stream restoration and sustainable or low impact development practices. In doing so, we have leveraged this experience to provide cutting edge research support to several non-profit stormwater management organizations and pro bono charitable design services to address stormwater management retrofit needs in the local community.

Soltesz's understanding of the latest technologies, innovations and regulations regarding stormwater management allows our firm the unique ability to provide cost-effective water quality design solutions for your upcoming projects.



Our team of qualified engineers are familiar with the design and permitting regulations associated with:

- Chesapeake Bay Critical Area
- Chesapeake Bay TMDL and WIPs
- Erosion and Sediment Control
- Forest Stand Delineation and Forest Conservation Plans
- GIS-BMP Inventory Mapping and Database Design
- Hydrologic and Hydraulic Analyses
- NPDES MS4 Compliance
- Public Sanitary Sewer Extensions to Disconnect Septics
- Stream Restoration and Design
- Stream Assessments and WQ Monitoring
- Stormwater and E&S Inspections
- Stormwater Management (LID & ESD)
- Stormwater Management Retrofitting
- Underground Utility Investigation
- Wetland Restoration and Design



SUSTAINABLE STORMWATER SOLUTIONS



*Adventist HealthCare
Shady Grove Medical Center
Stormwater Design*

Soltesz has nearly 40 years of extensive experience in addressing stormwater management challenges and implementing environmental site design (ESD) and low impact development (LID). Soltesz's team of highly skilled water resource engineers offers the experience needed to provide creative design solutions, even on highly constrained and complex sites, to maximize water quality efficiency objectives while maintaining cost-effectiveness both during construction and through long-term maintenance considerations.



United States Coast Guard Headquarters Green Roof



Raingarden



Bioretention



Stormwater Biofiltration System

As stormwater management methodologies constantly evolve, Soltesz continues to play an active role with the regulatory community to guide regulations that affect the industry.

MS4 AND TMDL COMPLIANCE CONSULTING SERVICES

Francis Scott Key Elementary School

Greenbelt Lake

Soltesz provides a full range of site planning and value engineering services to restore water quality in watersheds where previous stormwater best management practices (BMPs) were ineffective or non-existent. These services include identification of potential sites for retrofit opportunities, design and implementation of economic treatment options and conducting real-time water quality monitoring of the design's effectiveness. Our firm is currently providing professional and innovative cost-effective solutions to address numerous local, state and federal entities' respective TMDL and MS4 compliance requirements .

Collington Life Center

Woodmore South, Foxwood Circle

Accokeek Library

Soltesz is currently a team member on the Corvias/Prince George's County Clean Water Partnership, as well as the Prime for the Montgomery County Water Quality Credits Project.

POND RETROFIT FOR WATER QUALITY/TMDL COMPLIANCE

Woodmore South, Foxwood Circle

Soltesz has a great deal of experience retrofitting / restoring ponds in a cost-effective manner. Soltesz's staff has identified many existing ponds that were designed and built prior to the current stormwater management regulations. These ponds present opportunities for increasing the stormwater management capabilities of facilities to help achieve the MS4 goals and criteria. Through Soltesz expertise, these retrofits / restorations have achieved significant increases in water quality, while establishing a focal amenity.

TPC Potomac at Avenel Farm, part of the Montgomery County Water Quality Improvements Project

Muirkirk Pond

Soltesz has a great deal of experience retrofitting / restoring ponds for local jurisdictions and private development clients to enhance environmental impacts, while establishing a focal amenity, in a cost-effective manner.

STREAM RESTORATION



Windsor Park Stream Restoration

Soltesz, utilizing their team of Rosgen-trained water resources engineers and environmental restoration professionals, brings in-depth expertise providing stream restoration design, permitting and post-construction monitoring for TMDL removal and impervious area water quality credits for MS-4 permit compliance. Soltesz strives to provide natural channel restoration techniques on all stream restoration projects. While individual stream restoration project goals may differ, we strive to deliver a project that can provide some measure of geomorphic or biological uplift to the existing system.



Wells Run, University Park



Viva Percontee Mixed-Use Site



Unnamed Tributary, Piscataway Creek

Soltesz's stream restoration practice, composed of in-house Rosgen-trained water resources experts, has contributed to our reputation for being able to manage the toughest stream restoration challenges.

FOREST CONSERVATION

Greenbelt Lake



Soltesz has been at the forefront of preparing Natural Resources Inventories, Forest Stand Delineations and Forest Conservation Plans by State Qualified Professionals since the enactment of the Forest Conservation Act in the early 1990's. Soltesz has been able to apply their knowledge and skills to various jurisdictions—and their varying requirements and standards—to meet the goals of the Forest Conservation Act, while still providing a balance of land development. Soltesz's approach is always to preserve the highest quality existing resources, while providing land development services for new neighborhoods and communities.



Avalon Residential Site



Viva Percontee Mixed-Use Site

Soltesz has been at the forefront of preparing Natural Resources Inventories, Forest Stand Delineations and Forest Conservation Plans, while still providing a balance of land development services, to various jurisdictions and their varying requirements since the enactment of the Forest Conservation Act in the early 1990's.

WETLAND PERMITTING



Towser's Branch Stream

Soltesz has been permitting wetland and wetland buffer disturbances with much success for private and public land development for many years. Soltesz has established an excellent rapport with the various reviewers within the Army Corps of Engineers and the Maryland Department of the Environment, which allows for the timely completion of projects. Internally, each application is thoroughly reviewed for accuracy by our professionals and supported by our high quality engineered drawings. This combination allows for expedited application processing and authorization, contributing to a project's critical on-time delivery. Soltesz has a strong track record of delivering these services ahead of schedule.



Smith Home Farm

Soltesz has established an excellent rapport with the various reviewers with the Army Corps of Engineers and the Maryland Department of the Environment, which in turn allows for the timely completion of projects.



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