



**HIGHER EDUCATION
EXPERIENCE**





Our name is new, but our practice has been in place for many years. Formerly the Public Sector Division of Wiles Mensch Corporation (WMC), Sorba Engineering (Sorba) was launched in 2021. Sorba is a SWaM certified woman-owned, small and micro business offering civil engineering consulting services. Under the leadership of Meredith McComas, PE, President, and Matt McComas, PE, LS, LEED AP, Associate Principal, Sorba retains the many active projects of WMC's practice. Most importantly our entire staff, including project managers, project engineers and technical support employees, remains in place.

The name Sorba Engineering is a tribute to the past: ancient lands, a strong sense of family and community and a tradition of excellence. As we look to build a robust future within the engineering community, we are pleased to introduce you to the Sorba team, our portfolio and our expertise.

Innovative solutions and sound technical advice are reflected in Sorba's areas of expertise. The team provides comprehensive site selection and planning, civil engineering and infrastructure design, urban design, stormwater management and low-impact development.

Sorba delivers streamlined solutions to complex project challenges.

SORBA PROFILE

SWaM Certified Woman Owned Small and Micro
16 Engineers
LEED Accredited Professionals



Sorba Engineering has an extensive higher education portfolio. The firm has completed projects across more than thirteen (13) higher education campuses. Our experience includes designing for new construction, building renovations, athletic facilities and fields, walkways, access roads, utility access for future buildings, site circulation layout and other tasks defined by the specific needs of our clients.



Your Civil Partner

Sorba offers a full spectrum of civil engineering services including design for grading, drainage, stormwater management, water, sewer, roads, paving, parking, transportation networks and erosion and sediment control. Our accumulated experience is national and international in scope and includes a significant number of projects on institutional and educational campus type developments. The team is equally aware of the special nature and unique requirements of developmental and rehabilitation projects within environmentally sensitive areas.

The Sorba team has been successful in completing thousands of projects. These range from tight urban sites to multiple building campus settings. All required our expertise in topographic modifications, utility research and study; subsurface analysis, renovation studies, agency review processing and interdisciplinary coordination. We have established relationships with various permitting agencies. Sorba's knowledge of the jurisdictional entitlement and technical approval processes is key in expediting permit procurement.





Gallaudet 6th Street Revitalization ◦
 New construction
 1.5 M SF
 \$450 M
 Mixed use space
 Concept study, site, utilities, water quality



George Mason Founders Hall ◦
 New Construction
 250,000 SF
 \$51 M
 Site, stormwater, utilities, water quality, environmental permitting



Howard U Harriet Tubman Quad
 Renovation
 5 Buildings
 Site, stormwater, streetscape, pedestrian pathways and ADA access



Howard U 4th Street Residence Hall ◦
 New Construction
 138,000 SF
 \$59 M
 Site, stormwater, streetscape, utilities
 Designed for LEED Silver



NVCC Higher Education Center ◦
 New Construction
 40,000 SF
 \$25 M
 Site, stormwater, utilities, water quality



Virginia Tech Innovation Campus
 New Construction
 300,000 SF
 Site, stormwater, streetscape, utilities
 Designed for LEED certification

Civil Engineering

Sorba offers our clients a full spectrum of civil engineering and site design solutions addressing grading, drainage, erosion and sediment control, stormwater management; water, sewer, and dry utility design; water network modeling, earthwork analysis, hydraulic and hydrology studies; as well as roadway, parking, and other pedestrian and vehicular transportation network improvements. Sorba's approach also leverages the most current technology, from 3D design tools to live collaborative work session software.

The accumulated experience is national and international in scope and includes a significant number of projects on institutional and educational campus-type developments. Our team is equally aware of the special nature and unique requirements of developmental and rehabilitation projects on campus settings, particularly the need to maintain the institution's daily operations during construction.

Stormwater Management Techniques

The Sorba team has provided stormwater management and erosion and sediment control designs for almost every one of our completed projects throughout the DMV. Having designed thousands of stormwater quantity and quality control facilities has allowed the firm to gain expertise in all types of stormwater management systems. Our expertise is enhanced by constant educational updates, as well as presentations by staff to regional industry associations.

The variety of techniques utilized by Sorba to address specific project requirements varies depending upon the development program and the conditions or restrictions of each site. The techniques applied in suburban and rural areas, such as retention and detention ponds, bioretention trenches and ponds, bioremediation areas and grass swales, are not well suited for urban area applications where other techniques, such as vegetated green roofs, sand filters, detention tanks, infiltration chambers, micro-bioretention systems, and tree island reservoirs, are more appropriate.

Low Impact Design (LID)

LID has evolved over the years and has become the standard for stormwater design. LID covers many items where the intent is to prevent the moderate storm runoff from leaving the site. The possible design approach for a project may include groundwater recharge through infiltration, rainwater capture and reuse for irrigation or cooling tower makeup, or on site vegetative filtration systems such as green roofs and bio-swales. Moreover, throughout a variety of projects, Sorba has demonstrated the ability to implement LID practices in public spaces. These practices include permeable sidewalks, bioretention planters, LID tree planters, and continuous structural soil designs. Every project is evaluated to determine the most appropriate and cost-effective LID approach, which are practical and engineered for results.

Our team has vast experience with all aspects of land development and site design services. Most importantly, the team has the capability, desire, and experience to successfully deliver the simplest to the most complex of projects. Experience that is vital to the success:

- Providing land development design and consulting services for thousands of sites.
- Leveraging our 75 years of collective engineering experience.
- Communicating early in the process and continuously throughout the project.
- The heart and dedication of a small business with the capacity and skills of a large firm.



Project completed as WMC



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