



# Solutions<sup>2</sup>

McMillen Engineering

W elcome to McMillen Engineering. As a full service civil engineering and land surveying firm we look forward to serving your needs.

What makes McMillen Engineering different from so many other engineering firms? We focus on being both proactive and responsive to our clients and their needs, especially time schedules and budgets. We offer engineering solutions with a strong commitment to excellence for every project. No two projects are the same; therefore, our educated and talented professional staff will design a project based on our client's specific needs and desires; as well as, working with our client to achieve the desired end result. We are committed to open communication with our clients and strive to exceed their expectations.

As a full service firm, we provide professional services of: engineering, land survey, building design, municipal and county planning, grant writing, and building code consultant. Much of our success is based upon our long-time talented employees who keep current in their field of expertise, maintain licenses and certifications, and through continuing education courses and seminars in their field of expertise.

We are dedicated to our clients and to our community in providing quality design to achieve excellence.



Terry McMillen, Sr., P.E., founder and president of McMillen Engineering, is a registered professional engineer in 13 states with over 30 years of civil engineering experience.

# McMillen Engineering

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



## ABOUT US

**W**hat truly makes McMillen Engineering different from others? We are a company who is truly dedicated and committed to our client. We view our client as a team member from the beginning of the project keeping them informed of known challenges and providing solutions to those challenges. A personal relationship is developed to understand the client's individual needs. We provide a comprehensive approach to our client at the onset for a complete understanding of requirements of planning, design, permitting, and construction phases. You become a part of our 'family'!

Our staff maintains professional and ethical standards for all projects. We have individual areas of expertise within our staff allowing us to work through challenges without delaying a project. Each member of our staff understands his/her responsibility for a project and coordination with other staff members resulting in a seamless approach to a project.

Serving the needs of both the public and private sector clientele since 1977, McMillen Engineering has a solid working and respectable relationship with various local, state, and federal agencies and departments; thus, allowing us to become "your voice" when working through the planning and permitting process.

Finally, what separates McMillen Engineering from others- in addition to our civil engineering and land survey services, our professional services include the building code, municipal and county planning and grant writing which truly gives us an 'edge' above other firms and provides our Clients the "complete package" for any given project.

## History of McMillen Engineering

Terry E. McMillen, Sr. founded McMillen Engineering in 1977. It was a rather humble beginning as Terry and his wife, Denise, began in the family room of their home converting a portion of it into office space. The early years required long days and a lot of work and dedication and the company grew steadily.

We soon realized the need for an office outside of our home, and our first 'official' office was in Hopwood, Pennsylvania. We stayed at this location for a few years, and then we moved to the Hopwood Center for more office space. Our steady growth led to the construction of a new office building in the Fayette County Business Park on Wayland Smith Drive, just west of Uniontown. It was our 25th year in business and it was a great way to begin the second twenty-five years.

Since 1977, McMillen Engineering has provided a wide spectrum of civil engineering, but the consistent focus from the first project at Todd Farm until today has been land development. The initial projects were a variety of residential developments followed by commercial/light industrial projects and then large scale retail developments. As the needs and opportunities of society changed, we expanded our services to include infrastructure (water and sewer), design of sewage treatment plants, sewerage collection and water distribution systems, structural design, environmental engineering, and traffic engineering.

A large part of our success has been the flexibility to first identify needs and then to prepare ourselves to meet those emerging needs. Our company has been and remains committed to becoming well-versed in changes to legislation, regulations, permitting requirements to provide the most up-to-date requirements to our client.

We firmly believe in giving back to our community and have remained consistent in that effort. We encourage our staff to be involved in their communities and volunteer with local organizations and many staff members continue to volunteer in their community. In 2001 McMillen Engineering was named "Business of the Year" by the Fayette Chamber of Commerce for "...commitment to the local community and support of the Chamber."



*Terry McMillen, Sr. and his wife Denise  
at the ground breaking of the McMillen  
Engineering building on December 7, 2001*

## KEY PERSONNEL



**Terry McMillen, Sr., P.E., P.L.S.**  
*President & Principal Engineer*

Terry McMillen founded McMillen Engineering in 1977. Terry graduated from West Virginia University with a Bachelor of Science Degree in Civil Engineering. He is a Registered Professional Engineer and a Registered Land Surveyor.

Terry is a past president of the Pennsylvania Society of Professional Engineers- Fayette Chapter and is currently the organization's secretary-treasurer. He is also a member of the American Society of Civil Engineers, National Society of Professional Engineers, Pennsylvania Society of Professional Engineers, and Pennsylvania Society of Land Surveyors.



**Terry McMillen, Jr., P.L.S.**  
*Vice President of Surveys  
Chief of Surveys*

Terry E. McMillen, Jr., PLS, Vice President of Surveys, received an Associate Degree in Engineering Technology from Penn State-Wilkes Barre Campus. He is a Registered Professional Land Surveyor and is responsible for all survey projects.

Terry started his career with McMillen Engineering in 1986 as a part-time surveyor. In 1994, he was promoted to a survey party chief and in January 2009, was promoted to Vice President of Surveys.

Terry is a member of the Pennsylvania Society of Land Surveyors and National Society of Professional Surveyors (NSPS).



**James Stanton, P.E.**  
*Vice President of Engineering*

James L. Stanton, P.E., Vice President of Engineering, received an Associate in Architectural Engineering Technology degree from The Pennsylvania State University in 1994 and a Bachelor of Science in Structural Design and Construction Engineering Technology from The Pennsylvania State University in 1996. He is a Registered Professional Engineer in the state of Pennsylvania.

Jim began his professional career at McMillen Engineering in 1996. In January 2009, Jim was promoted to Vice President of Engineering.



**Eric Dunkard, P.E.**  
*Vice President of Technology*

Eric Dunkard, P.E., Vice President of Technology, began working for McMillen Engineering as a part-time draftsman while pursuing his degree in civil engineering. Eric received Bachelor of Science degrees in Civil Engineering Technology and Architectural Engineering Technology from Fairmont State in 1995. He is a Registered Professional Engineer in the state of Pennsylvania.

In January 2009, Eric was promoted to Vice President of Technology.



**Tammy Stenson**  
*Senior Project Planner*

Tammy J. Stenson, Senior Project Planner received a Bachelor of Science in Political Science from Saint Vincent College and a Master of Arts in Regional Planning and Geography from California University of Pennsylvania. She is a member of the Pennsylvania Planners Association and the American Planning Association.

Tammy began her professional career in 1997 for Fayette County Government. She began her career with McMillen Engineering 2007.

## CAPABILITIES

### Civil Engineering

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McMillen Engineering is a leader in developing and managing civil engineering designs and is committed to providing sound engineering solutions.

The firm has developed superior processes and technologies – all of which provide quality results, while meeting tight deadlines on even the most challenging projects.

Services include:

- Structural Engineering
- Environmental Engineering
- Water and Sewer Systems
- Storm Water Management
- Phase 1 Reports



### Land Surveying

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McMillen Engineering provides architects, commercial and private land owners, and state/local officials with professional land surveying services that utilize state-of-the-art equipment. The firm combines unique quality assurance processes with extensive knowledge and solid experience to offer a diverse range of survey and mapping products. This translates to a project that is delivered on time and on budget – with the high quality results expected by our clients.

Services include:

- Topographic Boundary Surveys
- Large Lot (farm) and Small Lot (residential) Surveys
- Major and Minor Subdivisions
- ALTA/ACSM Land Title Surveys
- Construction, Surveying and Layouts
- As Built Surveys



### Land Development

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McMillen Engineering offers its clients a land development team of skilled professionals, each member dedicated to personal, quality service. The team's approach – coupled with direct client participation in the design and development process – is central to producing responsive and cost-saving results for a broad range of client projects and programs.

Services include:

- Basic Site Design
- Land Form Analysis and Design
- Storm Water Management
- Erosion/Sedimentation Control Systems
- Roadway and Access Analysis
- Wetland Delineation and Design
- Construction Cost Estimates
- Permitting – State and Municipal



### Traffic Engineering

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McMillen Engineering offers clients consultation and planning on all projects dealing with the movement of vehicles and pedestrians to, from and within the confines of a specified site or through a specific area. Clients range from municipalities and government agencies to private businesses and organizations.

Services include:

- Highway Analysis
- Parking Studies
- Circulation and Traffic Pattern Studies
- Traffic Calming
- Transportation System Assessment





## Building Projects

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McMillen Engineering is a full service Civil Engineering firm. In addition to assisting our clients with land planning, and design we assist our clients in the design and development of their buildings

Services include:

- Building Permit Plans
- Structural Design
- Building Inspections



## Municipal and County Planning and Development

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McMillen Engineering understands the challenges and opportunities confronting municipal and county governments. Our team continues to work closely with elected officials to assist in zoning, planning, land use, and stormwater planning.

For our Planning and Development Services, we offer the following:

- Community Planning and Development
- Recreational Planning
- Infrastructure Planning
- Comprehensive Planning and preparing land use regulations
- Stormwater Planning



## Building Code Consultant

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At McMillen Engineering, we understand the individual process of planning and zoning and the building code. We work with the municipality to assure compliance is met with planning and zoning prior to issuance of a building permit.

For Building Code Services, we offer the following:

- Plan review for both Residential and Non-Residential construction
- Inspections for both Residential and Non-Residential construction

# McMillen Engineering

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