

Spotlight

A publication of Spotts, Stevens and McCoy



SPOTTS | STEVENS | MCCOY

NOVEMBER 2021

Our work touches everyday life.

From the water you drink to the air you breathe to the buildings and communities where you live, work and play.

Spotts, Stevens and McCoy is a family-owned regional engineering, environmental, and surveying firm serving local and global clients. We engineer solutions for a better world. Our work touches everyday life; from the water you drink, to the air you breathe, to the buildings and communities where you live, work and play.

EXPERTISE

- Building Engineering
- Site and Civil Engineering
- Survey, Data Capture and Modeling
- Water and Wastewater Engineering
- Construction Phase Services

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Giving Thanks.

During this season of giving, we have so much to be thankful for.

From our clients that trust us to take on their challenges to our communities that rely on us to provide solutions - we are thankful.

But our gratitude extends even further. We are thankful for our people, that get the job done. We are thankful for our founders, that paved the way. And we are thankful for the opportunities, that allow us to make the world a better place.

Today we're putting the *Spotlight* on our teams. Because our teams are the people that make everything we do happen. Our teams are the ones that apply both expertise and experience. But also passion and dedication.

We are thankful for our teams because they are what separate SSM from other engineering, surveying, and environmental service firms.

Our teams defy boundaries, set new standards, exceed expectations, and redefine success. They evaluate, collaborate, and innovate. So when it comes to being grateful - our teams make it easy.



SPOTTS, STEVENS AND MCCOY EXPERTISE

- Energy and Sustainability Services
- Civil and Municipal Engineering
- Land Development
- Environmental and Field Services
- Survey and Data Capture
- Water and Wastewater Engineering
- Structural Engineering
- Mechanical and Electrical Engineering

Energy and Sustainability Services at SSM

We are thankful for our Energy team that maintains a singular focus: reducing energy consumption in buildings, institutions, and facilities.

Our energy client list includes the City of Philadelphia, the State of Delaware, the County of Delaware, Chester County, 10 school districts, and more than 80 municipalities in the region.

Our team recognizes that local governments are setting ambitious energy efficiency and renewable energy goals while emphasizing resilience and equity. These goals cannot be accomplished without expertise and commitment to best practices.

Our team holds incredible value in the energy sector - exemplified by a history of helping to write energy management policies, sustainability plans, and renewable energy ordinances. Plus, extensive experience in policy review and support, engineering and financial analysis, computer modeling, GIS management, community education, and strategic energy planning.

We are thankful for our Energy and Sustainability team that combines understanding, experience, and basic principles of energy management to empower community leaders and community members across the region.



ENERGY AND SUSTAINABILITY SERVICES

Energy Assessments: Benchmarking and Retuning, Audits, and Feasibility

Renewable and Alternative Energy: Estimations, Evaluations, Planning, and Implementation

Energy Project Funding Support

Public Education and Outreach

Consulting Services

Design Services

Strategic Energy Planning



Civil and Municipal Engineering at SSM

We are thankful for our municipal engineering team. Not so much for the range of services they provide, but the attitude with which they provide them. Above all else- our team cares about you.

For more than 85 years, SSM has worked with local communities, industries, health care and government clients to enhance the quality of life for the people touched by our work.

As a recognized leader in Municipal Engineering and Consulting, we've assisted our clients in the planning, growth, and well-being of their communities. Our team of engineers, planners, geologists, surveyors and landscape architects integrates technologies with engineering judgment and experience to meet clients' needs.

We are most thankful for our municipal engineering team's measure of success. Our team strives every day and on every assignment to protect the client's interests and respond to the client's needs. Our team wants clients to experience success - their definition of success, not ours. When that means going the extra mile, they do it. When that means being available, they're available. When that means anticipating a need, they anticipate it.

We are thankful for the many years of experience that our municipal team brings to the table. We're also thankful for their developed proven standard approaches. But most of all, we're thankful for their balance of both things - balancing experience with an attitude of flexibility and service.

Thank you to our Civil and Municipal Engineering team that brings community visions to life every single day.



CIVIL AND MUNICIPAL ENGINEERING SERVICES

Municipal Representation

Development Plan Review

Municipal Planning

Stormwater/BMP Design

Roadway Design

Streetscapes Design

Bid Phase Services

Construction Phase Services

MS4 Permitting, Reporting, Implementation

Regulatory Permitting



Land Development at SSM

We are grateful for the opportunity to announce that our Land Development team is not only back together, but better than ever.

We take great pride in creating teams of people that meet the needs of our communities. Not only in the care they bring to their work, but in the services that they provide. Over this year, we have welcomed back 3 special boomerangs to SSM. This is a special opportunity for us, and our clients, as they solidify our expertise in land development services.

Karen, Craig, and Scott together share over 35 years of land development experience including all phases of the land planning process - from conceptual design and master planning to construction phase and project management. They also carry industry expertise across commercial, industrial, educational and residential markets from residential and campus master plans to bakery and manufacturing facilities.

At SSM we have always believed that great people create great work. But more so, we know that our people are more than just the work they produce. They are the heart, the passion, and the joy that makes SSM home.

Over the years we've learned that welcoming boomerang employees adds value to our organization. We are thrilled to welcome back Karen, Craig, and Scott as they allow us to not only expand our expertise, but also to strengthen our capacity, and extend our mission.

Thank you to our Land Development team for the expertise they bring on board for our current clients, and our future clients.



LAND DEVELOPMENT SERVICES

Site Feasibility:

- Landscape Architecture
- Feasibility Studies
- Concept Plans
- Master Planning
- Sustainability Design
- Lighting and Landscape

Zoning Assistance:

- Ordinance Review
- Expert Witness Preparation
- Relief Assistance
- Relief Applications
- Zoning Exhibit Plans

Development Plans:

- Sketch, Preliminary, Final
- Conditional Use
- Site Design
- Stormwater/BMP
- Roadway Design
- Utility Design/Coordination

Regulatory Permitting:

- E & S
- NPDES Permitting

Utility Design and Coordination:

- Permitting
- Sanitary sewer, water, gas

Construction Specifications and Bidding

Construction Phase Services

Staff News



Marika Selzler, EIT, ENV SP Energy Analyst

SSM welcomes Marika Selzler, EIT, ENV SP to our Energy and Sustainability Services Department as an Energy Analyst. In this role she will be responsible for perform analysis of buildings and building systems to help clients reduce energy consumption and environmental impacts in cost effective ways. She is a graduate of Villanova University with a B.S. Chemical Engineering.



Timothy Keller | Survey Technician

SSM welcomed Timothy Keller to our Surveying and Data Capture Department as a Survey Technician. He holds an Associates Degree in Drafting Technology from Berks Technical Institute.

Testimonial



"In all projects [SSM] has demonstrated their knowledge, responsiveness, and thoroughness to be first rate!"

Thank you!
ssmgroup.com

Environmental and Field Services at SSM

We are thankful for our Environmental and Field Services team that does exactly as the testimonial says: demonstrate every single day that they are first rate.

Our Field Services team is the team that you always want on your sidelines. They get things done. But, not just done - done safely, done correctly, and done with our clients and communities first in mind.

We take pride in our reputation for responding quickly to emergencies and also in our ability to identify problems, develop solutions, and facilitate communication at every level. Cookie cutter approaches don't work for a client base as diverse as ours. So, our team listens. They understand. And they solve problems. Thank you to our Environmental and Field Services team for bringing their experience, expertise, and solutions to every challenge.



Survey and Data Capture at SSM

We are thankful for our Survey team that has the trucks loaded and on the road before the sun comes up most mornings.

Since 1932, SSM has prided itself on being at the forefront of surveying expertise. Since then, we have consistently refined our practice while also maintaining our values: to provide surveying services with accuracy, expertise, and care.

The SSM Survey team collects and manages data that allows for the best designs, the most comprehensive solutions, and highly effective, efficient results. They are experts in both pioneering and leveraging technology.

Our surveyors see the world differently: through the lens of advanced technology and through the eyes of precision and accuracy.

Thank you to our Survey team for defying standard surveying boundaries to always go above and beyond for our clients and their projects.

ENVIRONMENTAL AND FIELD SERVICES

- Environmental Audits and Sampling
- Construction Management
- Permitting & Regulatory Compliance
- Emergency Response Management
- GPS and GIS Data Collection/Management
- Public Education & Outreach
- Geologic Services
- Indoor Environmental Quality

SURVEY AND DATA CAPTURE SERVICES

- Building/Construction Surveys
- Topographic Surveying
- Property Surveys
- Engineering Surveys
- High-Definition Scanning
- Diverse Methods of Survey and Data Collection

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**BECAUSE
EVERYONE
DESERVES
CLEAN
WATER.**

We are here.



Water and Wastewater Engineering at SSM

We are thankful for our Water and Wastewater teams that make the world a better place now and for future generations.

In 1967, Lewis J. McCoy, PE opened an individual engineering practice. The story goes that he started the firm because, "everyone deserves clean water" and he focused the firm on water and wastewater services to local governments. Just 5 years later, the Clean Water Act was amended into law. SSM was ready.

Our Water and Wastewater team works every single day to keep Lewis McCoy's mission alive. They work around the clock from emergency response to design and from financial and grant assistance to public education.

Our Water and Wastewater team is equipped with extensive services and unmatched expertise. When it comes to managing and protecting water and wastewater resources, our team is the one that everyone turns to.

They offer extraordinary experience in the planning, design, and construction management of wastewater and water systems, piping systems, pumping stations, and treatment plants. Our GIS and CAD resources are powerful tools identifying sources of potential contamination, using hydrogeologic modeling to visualize the impact of a proposed well, or identifying trends and hot spots for Act 537 planning. We understand utilities' needs and priorities. We offer solutions for today, for tomorrow, and for the future.

Our team engineers solutions - whether using engineering expertise, applying advanced technology, or integrating specialized resources.

Thank you to our Water and Wastewater team for being ready. Ready to meet the needs of our communities, ready to attend to emergencies, and ready to create a better world.



WATER TREATMENT SERVICES

Process Engineering

Water Treatment Operations

Water Treatment Design

WATER PLANNING AND ENGINEERING SERVICES

Source Water Protection

Hydrologic Studies

New Source Development

Planning and Feasibility Studies

Distribution Systems

WASTEWATER TREATMENT SERVICES

Industrial Pretreatment

Process Engineering

Wastewater Treatment Operations

Wastewater Treatment Design

WASTEWATER PLANNING AND ENGINEERING SERVICES

Planning and Feasibility Studies

Collection Systems



WATER AND WASTEWATER SERVICES

Permitting and Regulatory Compliance

Construction Management

Financial and Grant Services

Emergency Response Management

Public Education and Outreach

Structural Engineering at SSM

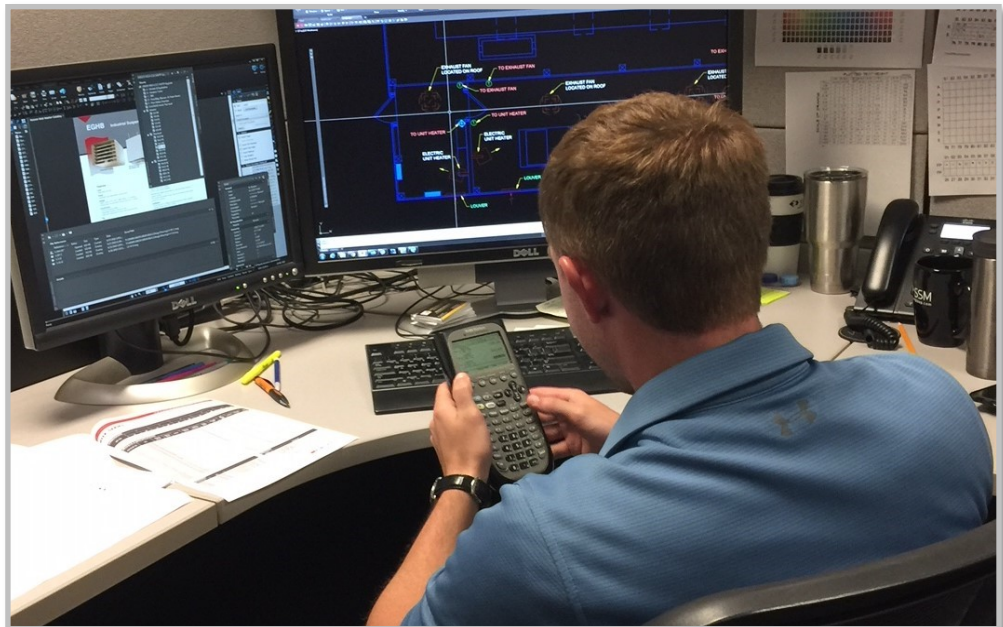
We are thankful for our Structural Engineering team for keeping the structures around us safe, strong, and standing.

Whether it's navigating an issue, or preventing one, our Structural team is always on your side. They are leaders in their field, and masters in their expertise.

But what's really special about our Structural team is the way in which they take care of all of the things that not every one thinks about. From top to bottom - roof to foundation - they've got you covered.

Because our purpose, is to help you stick to yours. And when our engineers get involved, you get to focus on the core of your business instead of everything else. That's what our team is here for - because what we do best is what you don't.

Thank you to our Structural Engineering team for worrying about the big stuff, but also the little stuff.



Mechanical and Electrical Engineering at SSM

We are thankful for our Mechanical and Electrical Engineering team. From ground up solutions to retrofit and reuse, our team and technology ensures the results our clients envision.

We're thankful for their aptitude for modern engineering strategies and up-to-date refined practices. But we're also thankful for their traditional techniques that all provide a foundation for excellent solutions. Add our penchant for innovative thinking to the picture, and you'll find SSM to be the best single-source solution for any facilities engineering challenge. No matter how many facets.

Thank you to our Mechanical and Electrical Engineering teams for knowing challenges inside and out. For understanding intricacies. For addressing every unique consideration. And for solving problems, no matter what.



STRUCTURAL SERVICES

Forensic Evaluation: Assessment, Restoration, Investigations, Rehabilitation, and Design Peer Reviews

Building Structural Design

Existing Structure Services: Assessments, Feasibility, Additions/Renovations, Marine Structures, Adaptive Reuse, Structural Repair

Infrastructure

Specialty Structures/Structural Services



MECHANICAL SERVICES

Mechanical Systems: HVAC, Temperature & Controls, Heating & Chilled Water Systems, Utilities, Steam, Clean Rooms, Data Centers, Humidity, Industrial Ventilation

Central Utility Plants

Piping Design

Plumbing Engineering

Fire Protection Engineering

Facility Planning: Studies, Energy Analysis, System Troubleshooting, Master Planning

Specialty Design and Modeling



ELECTRICAL SERVICES

Power Systems: Distribution in buildings, campus, and sites, generation, UPS, generation

Lighting: Calculation, Design, and Controls

Specialty/Low-Voltage Systems

Site and Facility Planning: Utility coordination, feasibility, assessments, an documentation

Power System Studies: Electrical hazards, power factor, and power quality

Alternative and Renewable Energy

Opportunities at SSM - join the team!

Visit ssmgroup.com for more information about these opportunities:

Systems Administrator with 8 - 10 years' experience in an IT role, and a minimum of 5 years systems administration experience to join our Information Technology department.

Survey Crew Chief to perform all aspects of site and boundary reconnaissance, construction stakeout, and boundary, topographic, roadway and as-built surveys, ultimately turning that field data into AutoCAD drawings.

Survey Technician to operate all field surveying instruments including robotic survey instruments, GPS surveying instruments, and auto-levels.

Site/Civil Engineering Designer with responsibilities for preparation of base plans; design and layout of site improvements including roadway geometry, grading, utilities, construction details, profiles, and E&S plans.

Senior Water/Wastewater Design Engineer with eight or more years of water/wastewater experience to support our work on projects such as municipal treatment facilities, distribution systems, collection

New Grant Program Announced by Susquehanna River Basin Commission

The Susquehanna River Basin Commission (SRBC) has recently announced a new grant program aimed at improving water availability and quality in the Susquehanna River Basin, particularly during droughts. These "Consumptive Use Mitigation Grants" are based on the SRBC's 2020 Consumptive Use Mitigation Policy, which refers to water that is used but not returned to the basin. The purpose of the program is to improve the resiliency of the Basin's water resources, and hopes to award \$4-6 million for the following types of projects:

Environmental and water quality improvement projects

These types of projects include natural waterway (wetlands, streams, floodplains) restoration, projects which may increase groundwater recharge, stormwater management improvement, or projects which will decrease pollutant loading in streams or groundwater.

Demand modification projects

An example of this type of project is altering the processes or increasing the efficiency at a local industrial facility that helps the facility reduce water usage, or allows it to reuse or recycle water used.

Projects that modify current operations or implement new practices which increase instream flows or improve flow resilience

This type of project would ideally deal with reservoir conservation releases, aquifer storage and recovery, or coordinated use of groundwater and surface water.

Water storage and release projects that can enhance supply and reliability during drought

Recently, the Commission assisted in a study to determine the feasibility of acquiring and using an abandoned limestone quarry for conservation releases. This type of project is eligible for these grant funds under this category. There is a requirement for a minimum 10% cash match for the total requested grant funds; however, grant funds can be used to cover a variety of the project costs, including land acquisition.

SRBC held an informational webinar on November 16, which will be repeated on Wednesday, December 8. Proposals are currently being accepted and are due before January 28, 2022. Grants will be announced April 2022, with grant agreements executed June 2022.

More information on who may apply, acceptable project types, and other details may be found at <https://www.srbc.net/our-work/grants/consumptive-use-mitigation-grant.html>.

Our clients in the Susquehanna River Basin have a great opportunity to receive funding for projects which improve water quality and resiliency in their local watershed. SSM is excited to assist with the project planning, grant applications, and project implementation. Interested in applying? Give us a call!

FOR MORE INFORMATION CONTACT:

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