



 **BG CONSULTANTS**
ENGINEERS · ARCHITECTS · SURVEYORS

YOUR VISION MATTERS.

Manhattan
785.537.7448

Lawrence
785.749.4474

Emporia
620.343.7842



44+

Years in
Business

3

Regional
Offices

91

Professional
Team Members

A WORD ABOUT US

BG Consultants, Inc., was founded over 45 years ago. We opened our doors with three employees — an engineer, a surveyor, and an architect — who envisioned a collaborative firm of forward-thinking professionals standing apart from tradition.

From growing up on farms, they had great respect for the land and environment and understood the value of hard work and dedication. Overall, they wanted to make a positive difference in local communities.

Today, BG Consultants is a mid-sized design firm with over 85 professionals and support staff. We provide services in architecture; civil engineering; structural engineering; mechanical, electrical, and plumbing engineering; planning; and surveying. Our people are experts in their fields, but above all, they're focused on our clients' vision.

BG provides all inclusive full service technical expertise. **No matter your problem, we have an expert that can address it.**



SETTING
NEW
STANDARDS

We **create**



We **create together** because we share a **common vision**. Planning, architecture, structural engineering, mechanical engineering, electrical engineering, plumbing engineering, and civil engineering studios tailor adaptive solutions to your needs.

INTEGRATED DESIGN SOLUTIONS

BG Consultants, Inc., is a mid-sized, full-service firm providing services in architecture, engineering, surveying, and construction administration. Founded in 1976 upon the Midwestern values of hard work and integrity, our mission is to provide client-focused service through integrated design solutions.

The professionals at BG never want to simply complete a job. We aim to create long-term satisfaction and build lasting relationships with our clients by meeting their vision with quality design and efficient service. We believe that great design is founded upon building a collaborative relationship with our clients, listening to your concerns and expectations, and designing solutions unique to your community's needs.

As a regional mid-sized firm, we have in-house professionals who serve as technical experts in their fields. Because BG has fostered an environment of mentoring and shared resources across all of our offices, our collective knowledge is shared and cultivated among every member of our team. We design with consideration to the regional context, are knowledgeable about local methods and regulations, and use creative problem solving as issues arise. With a regional portfolio extending across multiple industries, we have the in-house resources to meet the most diverse project needs.

Even as our company continues to grow, we maintain strong ties to the communities we serve—that's what makes us go the extra mile for you. Using the lessons learned from over 40 years of experience, we conceive designs that reflect a balance of technical knowledge and an understanding of human behavior. Every employee is personally invested in making our local communities better.

CORE VALUES

- 1 Act with integrity
- 2 Use creative problem solving
- 3 Work as a team
- 4 Be passionate and perseverant
- 5 Promote growth and diversity

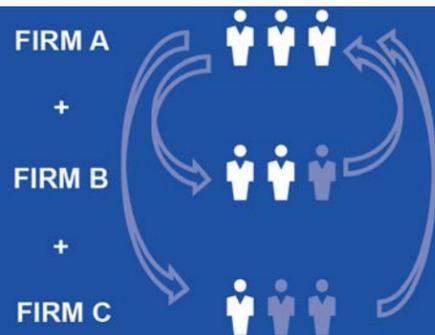
What Sets BG Consultants Apart...

BG is fundamentally different from the average design team. The traditional team model engages multiple organizations with diverse purposes. Each organization balances to understand the objectives of the client. BG Consultants has removed the barriers of localized interests into a firm that enables all participants to engage in horizontal decision making. Our leaders are increasingly striving to provide clients with an exceptional experience, at all phases of the design relationship.

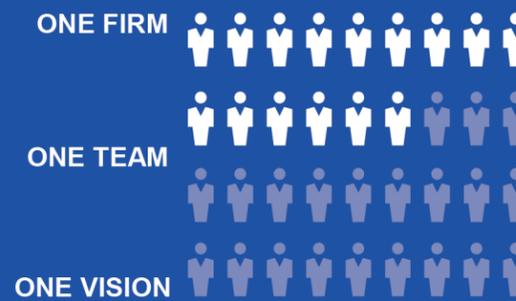
DIVERSIFIED SERVICES FOR YOUR NEEDS

- A** Our Architectural Studios design a wide range of building types that excel at their function, provide quality environments, strengthen organizations mission and identity, conserve energy and water, and complement their contexts.
- I** The Interiors Studio collaborates with architects, building owners and organizations to design projects to improve the function and reflect the character of spaces you inhabit.
- M** The Mechanical Studio balances comfort, cost, efficiency and aesthetics through team effort. Our engineers view themselves as facilitators of each team to understand the needs and constraints of the project and then apply expertise to guide the team towards the solutions that's right for them.
- E** The Electrical Studio understands that the electrical systems form the foundation that makes the building come to life. It's a responsibility our engineers take seriously. We balance the rigorous requirements of life safety and code compliance with practicality and aesthetic considerations to deliver a design that supports building functionality.
- P** The Plumbing Studio engineers develop reliable systems at any scale. Starting at the earliest phases, we focus on tailoring the design to meet your specific requirements. The results are efficient and reliable systems.
- C** The Civil Engineering Studios have a reputation for applying holistic design practices to each project. This approach enables our team to deliver quality, sustainable projects that are economical to build and easy to maintain.
- S** The Structural Studio collaborates with architects, building owners, organizations, and contractors to design efficient solutions for projects of all types, sizes and levels of complexity.
- T** The Transportation Studio is dedicated to providing engineering designs that produce safe and reliable infrastructure that gets us from Point A to Point B.
- W** The Water Resources Studio provides comprehensive solutions for the entire water cycle. We'll work with you to provide safe drinking water, reliable water pressure, effective wastewater collection and treatment, and to manage stormwater and runoff threats to your environment.
- S** The Site Engineering Studio provides planning and design services for civic, commercial, and private land sites. We partner with you on all phases of a project, beginning with site analysis through permitting and construction, to develop site-specific solutions.
- S** The Survey Studio is where most projects start within our firm. Our professionals pride themselves with the utmost accuracy and time efficiency possible.
- C** The Construction Administration is often the final step in our projects. We work with you to ensure that all aspects of your project are completed as designed and within specifications.

TRADITIONAL MODEL



THE BG MODEL
1976



What we do....

We create together, because we share a common vision. Planning, architecture, structural engineering, mechanical engineering, electrical engineering, plumbing engineering, civil engineering. Our team explores opportunities by engaging with each client by investigating, guiding, analyzing, giving options, anticipating, solving, and looking forward. Our process is team based and interdisciplinary. Knowledge is sought from all participants.

PLANNING & DESIGN



“Helping clients plan wisely and sustainability is crucial to our process. We strive to make each place we work in better tomorrow than today with our combined investment.”

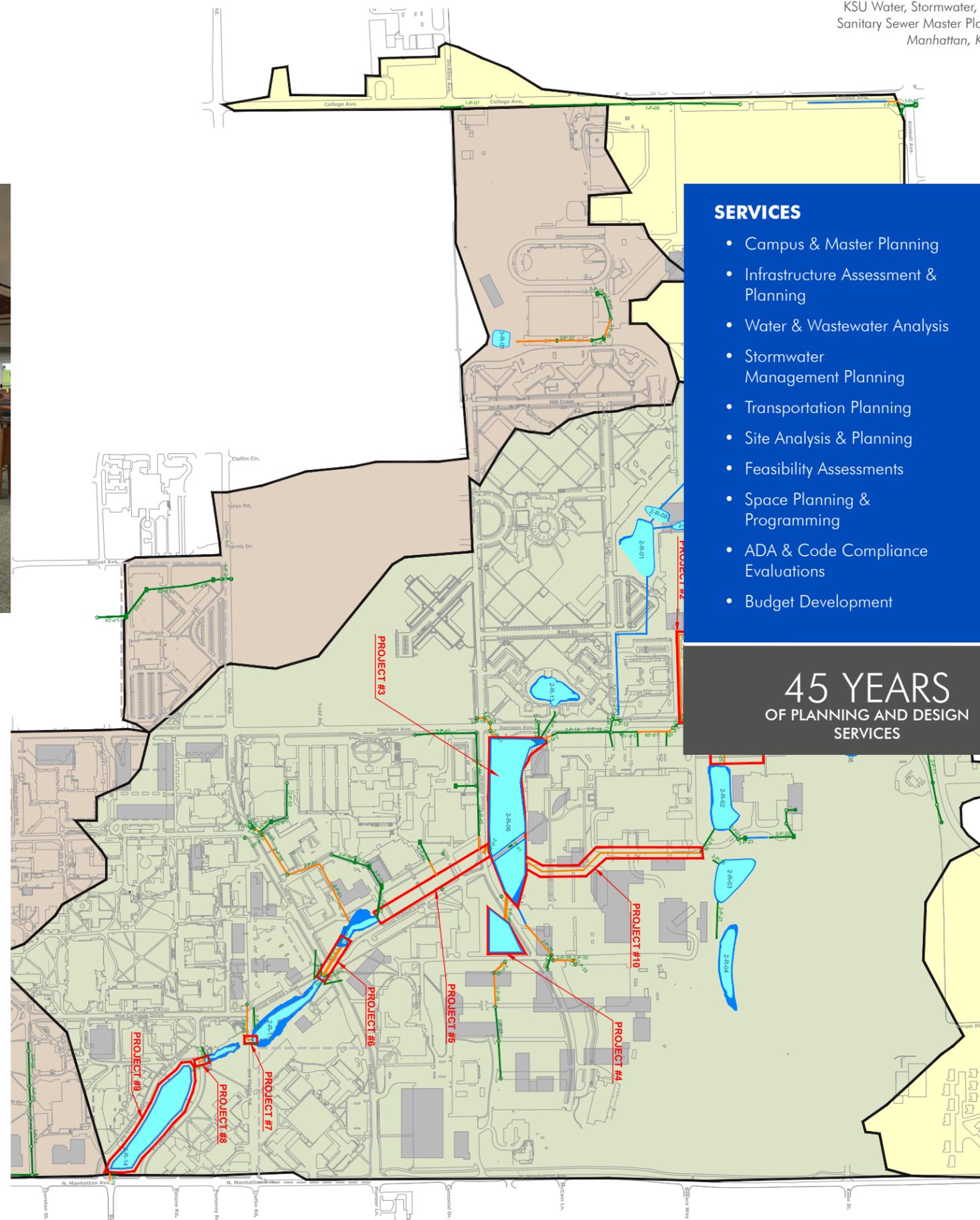
— *Thaniel Monaco*

Every successful project begins with careful planning. It often sets the tone for the overall organization, functionality, and impact a project has. Whether you are looking to analyze your city’s aging infrastructure, develop a new commercial park, or assess a historic building, BG Consultants will assemble the right collaborative team for your needs. We will help you develop a clear direction, allocate resources more efficiently, and save valuable time and money.

At BG, our clients are our number one priority. As your partner, we’ll seek to understand your needs and help you define goals. We will provide you with comprehensive evaluations and long-term strategies that allow you to achieve those goals. And we’ll be there, helping you build consensus to make your project possible. Throughout our process, you can feel confident about making the right decisions. When you trust us with planning and design, we have the details covered.

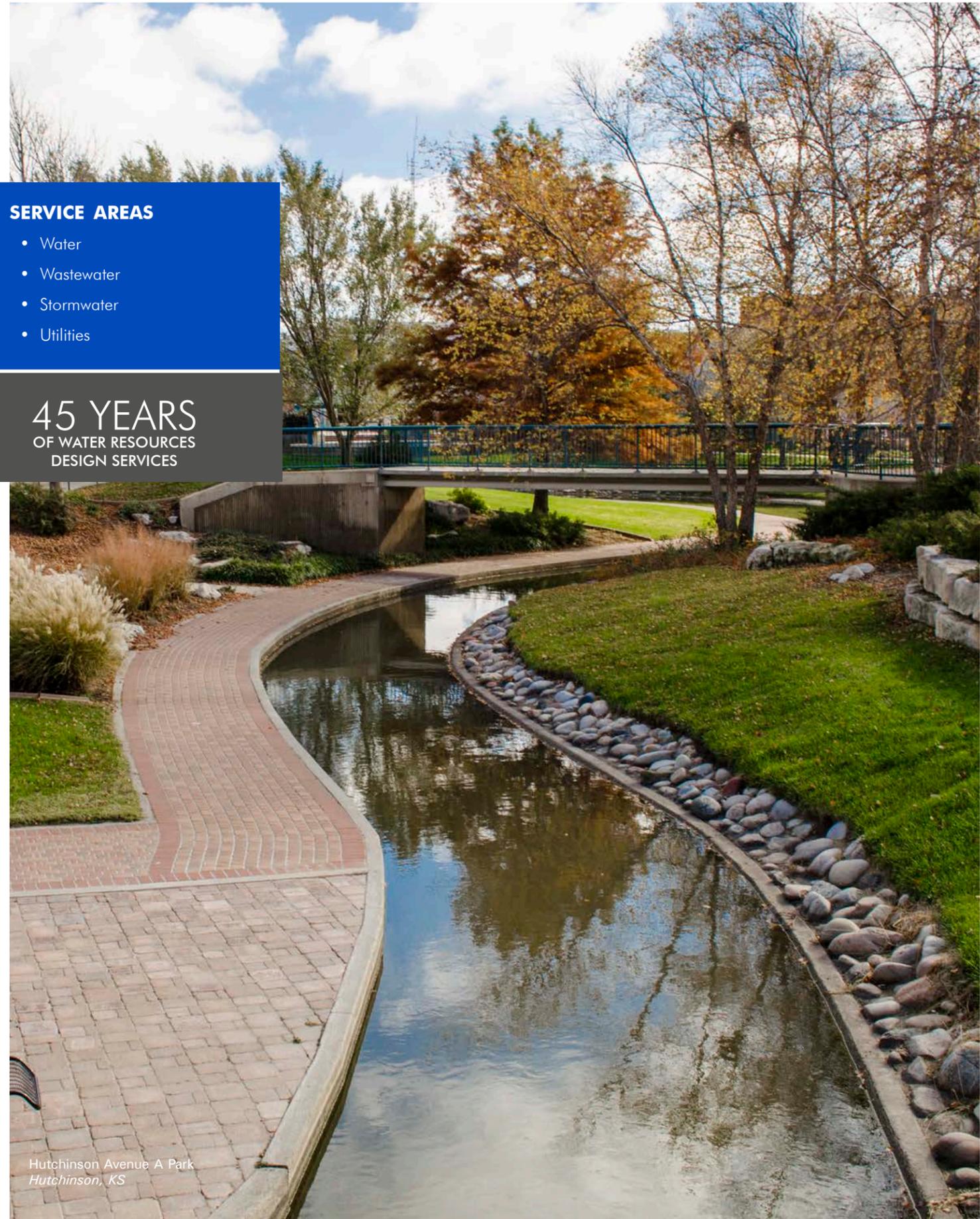
Left:
Blue Earth Place Restaurant
Manhattan, KS

Above:
Lawrence Country Club
Lawrence, KS



- ### SERVICES
- Campus & Master Planning
 - Infrastructure Assessment & Planning
 - Water & Wastewater Analysis
 - Stormwater Management Planning
 - Transportation Planning
 - Site Analysis & Planning
 - Feasibility Assessments
 - Space Planning & Programming
 - ADA & Code Compliance Evaluations
 - Budget Development

45 YEARS
OF PLANNING AND DESIGN
SERVICES



SERVICE AREAS

- Water
- Wastewater
- Stormwater
- Utilities

45 YEARS
OF WATER RESOURCES
DESIGN SERVICES

Hutchinson Avenue A Park
Hutchinson, KS

WATER RESOURCES



Successful management of water, in all of its functions, is the epitome of modern society. Handling this invaluable yet limited resource is essential to preserving the lives, livelihood, health, and safety of your community.

As your water infrastructure ages and demand, regulations, and environmental concerns increase, BG Consultants provides comprehensive solutions for the entire water cycle. We'll work with you to provide safe drinking water, reliable water pressure, effective wastewater collection and treatment, and to manage stormwater and runoff threats to your environment. Our water resources team is dedicated to improving the quality of life for Kansas communities.

With a portfolio that features many longstanding clients and award-winning projects, we believe our success speaks for itself. What really sets BG apart is our commitment to you. As a mid-sized regional firm, BG will provide the technical expertise you expect, but you'll also get our time and personal devotion. We aren't just engineers—we're trusted advisors who understand all aspects of what you are dealing with. We make it a priority to walk with you through the complexities of your water resources infrastructure project.

Our range of services for water, wastewater, and stormwater management includes:

- Capital improvement planning
- Preliminary engineering reports
- Infrastructure design
- Sanitary sewer rehabilitation analysis
- Sanitary sewer flow monitoring
- Dam inspection reports
- Hydrologic & hydraulic modeling
- Treatment evaluation & design
- Funding assistance

“Our job is to provide information to decision makers, enabling them to achieve the best solution to their problems. When we do a good job at this, we build trust and respect, and that is far more valuable to us than the fee we charge for services.”

— Brian Kingsley

Left:
Water Tower
Wamego, Kansas

Above:
Wastewater Treatment Plant
Tonganoxie, KS

TRANSPORTATION ENGINEERING



Connecting communities across the Midwest. In an increasingly mobile society, safe and reliable infrastructure that gets us from Point A to Point B is imperative. From county roads to interstate highways, transportation is what keeps our society moving.

Transportation engineering has been a staple of BG Consultants since 1976. As a recognized transportation engineering leader in Kansas, we have helped city, county, state and federal agencies, as well as private developers design, repair, and maintain their vital infrastructure.

In the face of aging roadways and bridges, increased demand, and funding limitations, communities trust our team to deliver innovative and cost-saving solutions that minimize impacts to the environment and neighboring properties. Keeping your long-term success in mind, we'll help you analyze the worth of your existing infrastructure and formulate plans to maximize its service life. Throughout the design and construction process, we partner with you to communicate with the public, identify funding sources, and plan for the long-term management of your assets.



Left:
Bridge
Manhattan, KS

Top Right:
Downtown Streetscape
Kansas

Bottom Right:
Scenic Drive & Anderson Avenue
Roundabout
Manhattan, KS



SERVICE AREAS

- Road & Highway Design
- Structural Design of Bridges, Culverts, & Retaining Walls
- Traffic Signal Analysis & Design
- Transportation Planning
- Traffic Impact Feasibility Studies
- State & Local Permitting
- Parking & Traffic Circulation
- Site Access
- Streetscape Enhancements

45 YEARS
OF TRANSPORTATION
DESIGN SERVICES



SERVICE AREAS

- Parks & Trails
- Site Development & Subdivisions
- Parking Lots

45 YEARS
OF SITE ENGINEERING
DESIGN SERVICES

SITE ENGINEERING



As land development increases, careful planning and design on every project site, both above and below ground, becomes more important. The Site Engineering Studio provides planning and design services for civic, commercial, and private land sites. We partner with you on all phases of a project, beginning with site analysis through permitting and construction, to develop site-specific solutions. By drawing upon our in-house surveying, transportation, water, structural, MEP, and architecture professionals, we will develop a comprehensive, cost-effective design for your needs.

PARKS & TRAILS. With several award-winning projects in our portfolio, we've seen firsthand the benefits recreational facilities can bring. We are well-equipped to handle the challenges related to park and trail development, including surfacing; water and environmental impacts; ADA, AASHTO, and KDOT regulations; utility systems; and structural and traffic engineering.

SITE DEVELOPMENT & SUBDIVISIONS. BG has designed projects ranging from 10-lot residential subdivisions to 200+ acre commercial and industrial parks. Through our comprehensive approach, we maintain positive relationships with local planning departments, community members, and contractors to coordinate projects smoothly and in compliance with local zoning and environmental regulations.

PARKING LOTS. With decades of experience in parking lot design, we'll help you through new challenges for sustainable design and help you maintain the ecological systems around your parking areas. No matter the project, our mission is to optimize traffic circulation, maximize capacity, minimize your expenses, and help you create good first impressions.

"Through partnering with my clients, I want to enhance the overall livability of our communities. Whether working on parks, trails, parking lots, site development, or subdivisions, BG Consultants will provide a comprehensive design that exceeds your expectations for the usability and sustainability of your site."

— Matthew Kohls

Left:
Kansas State University B2 Parking Lot
Manhattan, KS

Above Left and Right:
Hidden Vista
Emporia, KS

Westport Commons
Manhattan, KS

Manhattan Oral Surgery and Implant Center
Manhattan, KS



SERVICE AREAS

- Education
- Civic + Cultural
- Commercial/Industrial
- Health & Wellness
- Parks and Recreation/Sports Facilities

36 YEARS
OF ARCHITECTURAL
DESIGN SERVICES

ARCHITECTURE



Authentic architecture responds to your needs. It showcases your identity, creating spaces that balance the human experience and optimal performance.

At BG Consultants, our passion is helping you visualize your project and then making it real. In our collaborative process, we explore function, context, form, and materials to develop a cohesive design that ultimately reflects your needs and culture. We want each building we design to heighten the experience of its occupants and celebrate its sense of place. Whether creating a delicate steel and glass addition or a straightforward pre-cast concrete building, we design spaces where you want to be.

We'll partner with you to establish clear goals and a realistic budget. We'll deliver clear design documents that respond to your request. And we'll facilitate communication through client meetings and help build consensus among stakeholders. When you hire BG, you're not just getting an excellent team of architects. You're gaining an advocate—a team that is just as passionate about your project as you are.

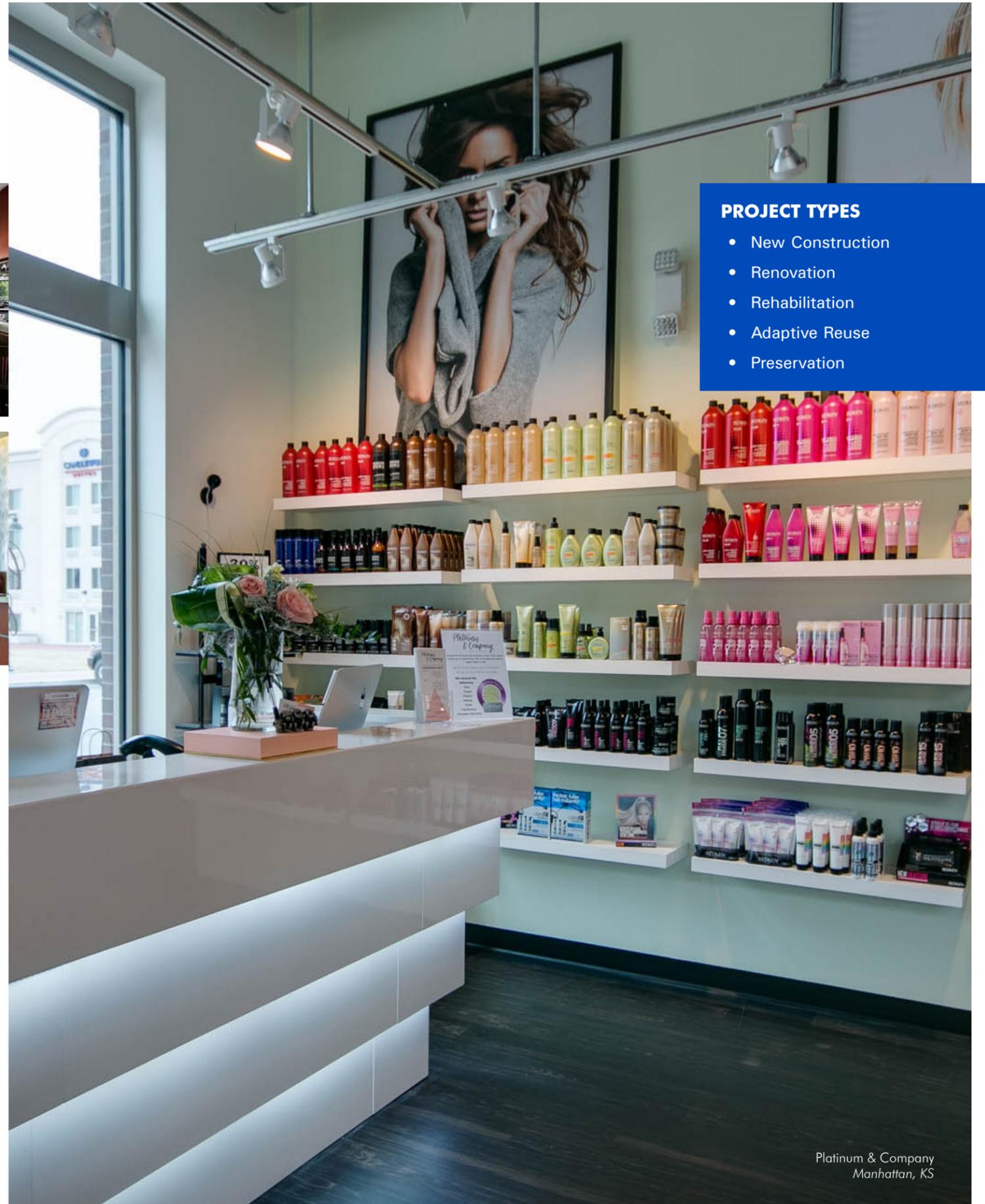


Left:
Bluestem Electrical Cooperative
Wamego, KS

Top Right:
K-State Baseball Locker Room
Manhattan, KS

Bottom Right:
Flinthills Hyundai
Manhattan, KS

INTERIORS



- PROJECT TYPES**
- New Construction
 - Renovation
 - Rehabilitation
 - Adaptive Reuse
 - Preservation

“We look at the building as a whole organism. Many people think that details like color or lighting are just finishing touches, but I think about those things from the very beginning. That way, we can develop a more cohesive design where color, texture, and light work seamlessly with the building’s structural components such as space volumes and adjacencies.”

— Ekaterina Barybina

Every experience we have with interior space defines our relationship with the built environment. The balance of natural and artificial light in an office, the sound made by a footstep walking across a tile floor, the seating layout in a restaurant—it directly impacts our daily experiences. BG Consultants’ interiors team works to improve the function and reflect the character of spaces you inhabit. Using quality materials that combine beauty and practicality, our designs enhance human interactions within spatial boundaries through space planning, color, light, texture, and acoustics.

With designers and architects working together in a streamlined process, we bring every detail together in cohesive designs. Our professionals stay up-to-date on sustainable design practices and strive to satisfy your immediate financial concerns and long-term usability needs. We embrace collaboration and incorporate client input throughout the design process. Serving as your partners and advocates, we seek to craft environments that support your culture and goals.

Left:
Manhattan Area Technical College
Manhattan, KS

Top Right:
Manhattan Country Club
Manhattan, KS

Bottom Right:
Orchard Douglas County Bank
Lawrence, KS

STRUCTURAL ENGINEERING

STRUCTURAL EXPERTISE

- Buildings
- Storm Shelters
- Foundation Systems
- Bridges
- Retaining Walls
- Mechanical & Electrical Support Frames
- Mechanical Roof Screens
- Water Towers
- Water & Wastewater Treatment Facilities

44 YEARS
OF STRUCTURAL ENGINEERING
DESIGN SERVICES



New Water Tower
Emporia, KS

Facilities unable to withstand adverse forces and pressure endanger lives and damages economies. Structural engineers minimize a building's twisting, bending, and vibrating when strong winds batter it or an earthquake rumbles beneath its foundation. We rely on the integrity and security of structural designs to keep our most valuable assets safe from the threats of nature, time, and man.

Left:
Bill Snyder Family Stadium
Manhattan, KS

Above:
Foundation

The structural engineers at BG Consultants are trusted throughout Kansas to do just that. Whether working with our architects or engineers on design projects or responding to the emergency needs of our clients, our team has the expertise needed to deliver reliable, constructible solutions.

With an integrated understanding of architectural design, building code compliance, and building systems, we develop comprehensive solutions customized to meet our clients' needs. We address functional demands while accounting for safety and economic factors by applying value engineering principles and in-depth training. Software tools like Revit and BIM modeling enhance our interactions with the building industry and have proven advantageous when coordinating with architects, consultants, and contractors. Utilizing the latest technology further allows us to provide economical and seamless designs to our clients.

MEP ENGINEERING



You may not realize the impact internal and external building systems have on your day-to-day life. Having the appropriate thermal comfort, lighting, and infrastructure creates a better experience for every person in your building. In 2014, BG Consultants added a Mechanical, Electrical, and Plumbing (MEP) Engineering division to better serve you. BG Consultants offers a single source of accountability and optimized communication between the disciplines working on your project. Using a whole building approach, we have developed a more fluid design process where building systems are integrated into the overall design from initial phases.

With decades of combined experience, our experts deliver coordinated system designs tailored to your needs and optimized for your budget. In compliance with changing regulations, we seek to enhance the comfort, safety, and operations of your facilities with energy-conscious solutions you can easily maintain. By staying current with advancements in technology, regulations, and sustainable design practices, we consistently provide systems adaptable to current and forecasted needs.



K-State Buser Family Park
Manhattan, KS

MEP SERVICES

- Heating, Ventilation, & Air Conditioning
- Electrical Power & Lighting
- Plumbing
- Fire Protection
- Telecommunications

7 YEARS
OF MECHANICAL, ELECTRICAL,
& PLUMBING DESIGN SERVICES

SURVEYING



“Almost every project in our firm starts with surveying. Surveyors locate ground features, underground features, easements, property lines, things that need to be known about a project for design. It’s critical to know where you can and can’t do improvements, to what degree you can design your elevations from, understand what features exist and areas of danger, where access to public streets and utilities are. We work to eliminate problems in the future.”

— Fred Gibbs

Surveying is essential to land development. One of the oldest known professions, surveyors originally determined property boundaries and measured and mapped the land. Today’s surveyors still do that, dealing with the land people own, topography, and elevation. They help us understand how to best work within the available land and constraints, accurately plan and design for a project, and establish constructability.

Expertise is more than just knowledge—it requires making the connections that others miss, answering the “why” and “how” questions. The Surveying Department at BG Consultants explains complicated circumstances so that you can clearly understand the situation and available options.



SURVEYING EXPERTISE

- Property Boundary/Rights Surveys
- Construction Surveying
- Development
- Elevation Surveys
- Environmental Engineering Surveys
- Transportation Engineering Surveys
- Utility Surveys

45 YEARS
OF SURVEYING SERVICES

CONSTRUCTION SERVICES

- Construction Contract Assistance
- Schedule and Lead Project Meetings to Review Progress
- Review Shop Drawings and Submittals
- Conduct Site Visits
- Manage Change Orders, Pay Applications, Engineer's Supplemental Information, & Architect's Supplemental Instruction
- Prepare and Review Punch Lists
- Certificates of Completion

30 YEARS
OF CONSTRUCTION OBSERVATION
SERVICES



CONSTRUCTION ADMINISTRATION



When our designs are constructed, we want you to get exactly what was promised. That's why many times our role extends throughout the bidding period and construction. By providing Construction Administration services, we can act as your advocate and review construction for compliance with the design intent. We will observe the contractor to see that proper construction techniques, materials, and equipment are used and that the project is constructed in general compliance with the construction documents.

As an all-inclusive design firm, we have the capability to handle a project from the initial planning stages through the final construction walk-through. We are one of the largest and most experienced Local Public Authority Consultants (LPA) qualified for Kansas Department of Transportation inspection projects. We consistently serve federal, state, county, municipal, and local governments, as well as commercial and private clientele, in the inspection of all types of construction projects.

Our company has equipment to handle three major concrete pours simultaneously, and our asphalt testing equipment meets all requirements for KDOT laboratories. The size and experience of our staff allows us to complete the required services within the time prescribed by the contractor and/or KDOT.

The insistence on quality construction administration has given BG an excellent reputation. We take pride in our staff and the work we do, and this shows in the appreciation we receive from our clients.

Our mission is to

**provide
client-focused service
through
integrated design solutions.**

About BG Consultants

BG Consultants, Inc is a full-service E/A design firm providing services in planning; architecture; civil engineering; structural engineering; mechanical, electrical and plumbing engineering; and surveying. Our people are experts in their field, but above all, they're focused on our clients and helping them to realize their project vision.

For more information about BG Consultants and the services we provide, visit www.bgcons.com.

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Offices

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