



Manhard™

CONSULTING

Civil Engineers

Surveyors

Water Resources Engineers

Water & Wastewater Engineers

Construction Managers

Environmental Scientists

Landscape Architects

Planners

The Manhard Way

Commit to service.

Be accountable.

Act with integrity.

The core philosophies that drive **Manhard Consulting** are codified in a set of guiding principles known collectively as **The Manhard Way**. The principles, captured in these pages, are part of our culture, guiding our actions and defining how we do business. Every member of this firm lives by these rules.



ManhardTM

C O N S U L T I N G

Manhard Consulting is a full-service engineering and surveying firm that serves private- and public-sector clients nationwide.

How can we help you?



Engineering the Future

Manhard Consulting helps plan, design, build, manage and maintain the cornerstones of a thriving community.

When you work with a Manhard team, you're working with veteran engineers, surveyors, planners and environmental scientists, many of whom are recognized leaders in their fields. Our experienced staff is able to leverage complementary skillsets across our nationwide network, and bring the right resources to your job to cut costs, eliminate bottlenecks, and ensure that your project is a success on every level.

With our proven best practices, state-of-the-art technologies, nationwide footprint and culture of service, Manhard Consulting is helping to create a well-engineered future for communities and developers nationwide.

The Manhard Way

Commit to service.

Our "whatever it takes" attitude puts our clients at the center of everything we do.

Manhard Consulting meets the needs of thousands of public and private sector clients, including:

▶ **Public Works**

Facility and infrastructure design, resource management, operations and maintenance and grant application assistance for local municipalities, townships, large cities, counties, divisions of state and federal government

▶ **Healthcare**

Hospitals, adult living centers, skilled care facilities, outpatient care facilities, medical offices, research and laboratory facilities

▶ **Educational**

Early learning centers, public and private elementary and middle schools, high schools, community colleges, universities, continuing education training facilities

▶ **Commercial/Retail**

Retail outlets, lifestyle centers, shopping centers, restaurants, hotels, financial institutions

▶ **Residential**

Single-family, multi-family and active adult communities from a single lot redevelopment to subdivisions covering thousands of acres

▶ **Business/Industrial**

Corporate headquarters, distribution centers, office and industrial parks, warehouse facilities and federal government

▶ **Recreational**

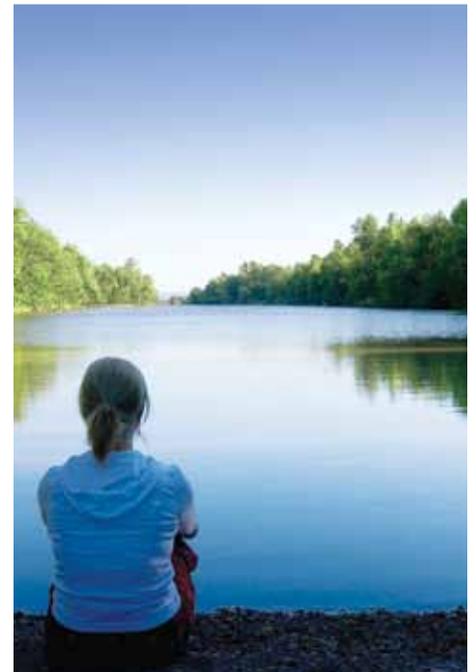
Golf courses, parks, athletic fields, health and fitness facilities, sports arenas, bike paths, walking trails, open space

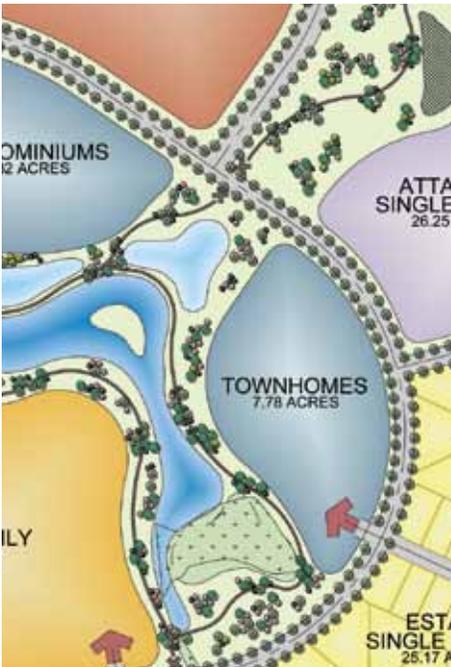
▶ **Transportation**

Urban, suburban and rural roadways, highways, intersections, roundabouts, railroads, railroad facilities, intermodal and transload facilities

▶ **Renewable Energy**

Wind energy, bio-energy, solar energy, hydropower, geothermal





The Manhard Difference

Exceptional Service

Service is our defining characteristic at Manhard Consulting. It affects everything we do, from finding and retaining the best professional talent to expanding our nationwide footprint into new markets. It also affects how we do our job on a day-to-day basis. At Manhard Consulting we return calls, respond to emails, work weekends, come to meetings on time and prepared, pay attention to schedules and budgets, follow-up on submittals and permits—in short, we take care of business. For you it means exceptional service and smoother execution from start to finish.

Constant Communication

We keep the lines of communication open at Manhard Consulting. Our project managers embrace your needs and expectations from day one, and make sure that everyone involved—your team, our professionals and support staff, contractors, municipal representatives—have a full understanding of the project before it gets underway. As your project moves forward, our well-defined feedback cycles keep expectations aligned, help schedules stay on track, and drive the permitting and approval process forward. You're kept in the loop at all times.



Quality Control

Quality isn't just a promise at Manhard Consulting. It's a defined process. Before any plan or survey leaves a Manhard office, it is painstakingly reviewed by our Quality Assurance/Quality Control (QA/QC) department as standard operating procedure. This is a proven best practice that catches and fixes problems before field teams are deployed, resulting in fewer delays, fewer changes in the field, better cost control, and the best possible end product.

Deep Resources

Manhard engineering and surveying teams collaborate across disciplines and time zones to leverage skill sets, solve problems, and find creative solutions. Our field teams are backed by an extensive support staff, and guided by a national leadership team that brings decades of experience, management continuity, and accountability to every project. These resources are at your service on every project.

The Manhard Way

Take responsibility.
No matter what
obstacles may
stand in our way,
we always follow
through as promised.



Civil Engineers • Surveyors • Construction Managers

Water Resources Engineers • Water & Wastewater Engineers

Environmental Scientists • Landscape Architects • Planners

Core Disciplines

Civil Engineering

Any project, any size, any location. The experienced engineering team at Manhard Consulting can help take your project from site investigation and due diligence through entitlement assistance, accurate and economical preliminary and final design, and permitting. Manhard teams use the latest technologies and design programs, and bring years of experience to your project to make sure there are no loose ends.

Our skill at total project management ensures a high degree of coordination with government entities, utility companies, and contractors, which is part of the reason why our projects get completed quickly and efficiently.

The Manhard Way

Act with integrity.

Whatever we do

for clients, partners and

associates will

be done honestly

and reliably.

Surveying

Accurate surveying is the cornerstone of our work at Manhard Consulting. Our surveying crews work across all in-house disciplines to provide everything from boundary, topographical, roadway and wetland surveys to subdivision plats to construction staking to ALTA surveys. These surveys become the foundation on which your project is built. Multiple surveying crews are staffed nationwide, and all crews are equipped with state-of-the-art equipment including GPS, robotic total stations, and 3D scanners. The measurements taken in the field are downloaded to advanced mapping systems in CAD stations at a Manhard office, and incorporated into project plans that are designed to avoid unnecessary expenses and increase efficiency across teams and projects.



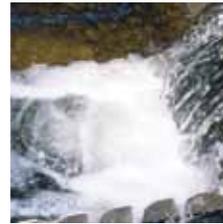


Core Disciplines

Water Resources Engineering

Any “smart growth” or sustainable development plan has to consider stormwater management. That’s why our nationally recognized water resources team gets involved early, performing wetland delineations and taking into account water supplies, aquifer restrictions, floodplain and floodway restrictions, regulatory pressures, community impacts and more. Our water resources team addresses all aspects of water movement, storage, treatment and reuse, and works with other Manhard engineering teams to identify the most cost-effective options for your project. The result? Faster permits, cohesive plans, and a stormwater management solution that blends seamlessly with site features.





Water & Wastewater Engineering

All communities face the same question when it comes to water. What's the best way to get it, pay for it, store it and dispose of it? The water and wastewater team at Manhard Consulting provides the answers by addressing water issues at every level—at the source, at the faucet, in the community, within the environment. Our team delivers complete services for planning, funding and operations, and works with other in-house disciplines across the Manhard network to create multi-use, multi-functional infrastructure and facilities that meet the needs of your project and your community.

The Manhard Way

Nurture relationships.

We enter into every working relationship as a long-term alliance, and seek clients who desire the same.

Be accountable.

We understand our role and responsibilities at every stage. We earn the respect of clients, partners and colleagues by taking ownership of everything we do.



Core Disciplines

Environmental Consulting

Our environmental consulting team is focused on the challenge of protecting our clients from unexpected environmental cleanup liability and expense during land acquisitions, and returning environmentally impacted properties to a developmentally ready state for new construction. Our knowledge of environmental regulations and local agency involvement means your site will be ready for development when promised, and without unnecessary delay.

The Manhard environmental consulting department routinely performs Phase I Environmental Site Assessments and Phase II Site Characterizations as part of the land acquisition and development process. As site conditions warrant, our team can collect soil and water samples for quantitative laboratory analysis of potential environmental pollutants, and based on these investigations, follow through with Phase III remediation design, contracting, and construction management. Manhard Consulting also provides asbestos inspection and abatement, and underground storage tank removal services, so you can cover all of your environmental needs with one source.

The Manhard Way

Grow and learn.

We are committed to being the kind of company that provides endless opportunities to succeed on a personal and professional level.

Deliver quality.

We maintain the highest quality in everything we do. While timeliness is important, we never sacrifice quality for speed.

Land Planning

Detailed and accurate plans lead to a great result. With that in mind, the land planning team at Manhard Consulting works with in-house engineering staff to prepare plans that are cost-effective, balanced and technically sound. Our planners address environmental issues, grading, zoning, permitting and other potential obstacles early, before they can cause delays. Site studies are all-inclusive, covering details such as site access, state and local regulations, community expectations and more. Land planning and entitlement services from Manhard Consulting put a solid footing under your development process. The result is a site plan that is realistic, balanced and buildable.

Landscape Architecture

Landscape architecture is equal parts form and function, so our landscape architects make the most of your site's natural features while taking into consideration your technical, budgetary and scheduling needs. In the end, you get a quality development that is beautifully designed from the ground up—one that brings technical and aesthetic priorities into perfect balance.





Whatever It Takes

With a long list of in-house disciplines, locations across the U.S., and a total commitment to client service, Manhard Consulting has the resources and track record to handle any project of any size.

We'll do whatever it takes to get your project done right.

The Manhard Way

Work with passion.

We face every project with the desire to provide the highest level of service possible.

We are inspired each and every day to provide creative solutions to our clients' needs.

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