



# STATEMENT OF QUALIFICATIONS

**GOSLING CZUBAK  
ENGINEERING SCIENCES, INC.**  
[WWW.GOSLINGCZUBAK.COM](http://WWW.GOSLINGCZUBAK.COM)



**Gosling Czubak**  
engineering sciences, inc.





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### Services

**CIVIL ENGINEERING**

**ENVIRONMENTAL SERVICES**

**SURVEYING**

**GEOTECHNICAL ENGINEERING**

**CONSTRUCTION SERVICES**

**DRILLING**

**LANDSCAPE ARCHITECTURE**

### Company Overview

**GOSLING CZUBAK  
ENGINEERING SCIENCES, INC.  
1280 BUSINESS PARK DRIVE  
TRAVERSE CITY, MICHIGAN 49686**

Gosling Czubak is a professional consulting firm providing engineering, surveying, environmental, landscape architecture, geotechnical and construction testing services to a large variety of clients. Located in Traverse City, the firm has served public and private clients throughout Michigan and the Midwest since 1957.

To complement our consulting services, Gosling Czubak has a fully equipped materials testing laboratory (soils, asphalt, and concrete), construction testing field equipment, drill rigs, and certified engineering technicians trained in construction materials testing procedures and specifications. Our survey crews are equipped to provide the most technologically advanced surveying available.

Gosling Czubak looks forward to providing you with the personal attention, enthusiasm, and professional services needed to support the success of your project.

#### ORGANIZATIONAL STRUCTURE

Gosling Czubak, established in 1957, is a Michigan corporation governed by a board of directors and corporate officers.

We currently employ a staff of about 50 experienced professional and technical people.

### Contact

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**NOW OFFERING  
AERIAL MAPPING  
AND INSPECTION  
SERVICES!**



**ROOF STAKING - EMMET COUNTY HEADLANDS DARK SKY PARK**

## Services

GPS Surveys  
Hydrographic Surveys  
Topographic Surveys  
Boundary Surveys  
ALTA Land Title Surveys  
Subdivision Design & Platting  
Condominiums  
Oil and Gas Surveying  
Telecommunications Surveys  
Highway Surveys  
Construction Staking  
Riparian Surveys  
Bottomlands Distribution Surveys  
Easements & Rights-of-Way  
Stream Crossings  
Wetlands Surveys  
Road Crossing Surveys  
Directional Drilling Surveys  
Division Order Surveys  
Mineral Rights Allocation Surveys  
Environmental Well Surveys  
Insurance Forensic Surveys  
**Aerial Photo Control**  
**Aerial Mapping**

## Surveying

Using innovative methods and equipment, our survey department serves a variety of clients including:

- Development
- Architecture
- Oil and Gas
- Industrial
- Telecommunications
- Institutional
- Commercial
- Navigation
- Governmental
- Utilities

Working throughout Michigan, we provide precise surveys for all of your land, development, spatial, geodetic, control and hydrographic projects. By providing a blend of technology, creativity, and experience, the Gosling Czubak surveying staff helps communities, landowners, developers, utilities, industry, and governments to make their projects successful. Inventive in our approach, we are uniquely receptive to clients' concerns, concentrating on and succeeding at completing projects efficiently and promptly.

Gosling Czubak has multiple survey crews utilizing the most technically advanced equipment. Each crew is supplied with robotic total station survey equipment, real time and static global positioning systems (GPS), and tracked amphibious vehicles for accessing difficult terrains. Each crew is 40 hour HAZWOPER trained.

We have utilized 3-D laser scanning on projects and routinely use a combination of GPS with wireless Internet features and total stations with robotic functions, allowing staff to complete precise and comprehensive surveys quickly.





NEW WASTEWATER TREATMENT PLANT - VILLAGE OF ELK RAPIDS

## Highlights

### ROADS

MDOT Design & Construction Oversight  
Road & Intersection Design  
Bridge Design and Inspection

### SITE DEVELOPMENT

Site Engineering  
Soil Erosion Control  
Stormwater Management

### WATER AND SEWER

Wastewater Treatment  
Water Systems  
Municipal Wells

### UTILITY RATE STUDIES

Operations Cost Review  
Equipment Replacement Plans  
Evaluation of REU Assignments  
Billing Methods & Usage Measurement

### PROJECT FUNDING

State Revolving Fund (SRF)  
USDA Rural Development  
Clean Michigan Initiative (CMI)

## Civil Engineering

Our civil engineering staff provides a variety of services to help municipalities, commercial and residential developers, resorts, industrial clients, and other professional consultants build their projects. These clients use our services to plan community improvements, evaluate existing infrastructure facilities, secure funding to make projects affordable, and design developments that are easy to maintain and operate.

Our professional staff of registered professional engineers, engineering technicians, and CAD drafters have excellent working relationships with regulatory officials. We have long-standing relationships with more than 40 communities. Gosling Czubak has successfully completed some of the most substantial and most complex development projects in Northern Michigan. The large majority of our work is from repeat clients and referrals.

From small residential projects to large commercial and municipal projects, Gosling Czubak provides clients with thoughtful and efficient design, excellent value, and quick response.



## Services

Phase I/II ESAs & BEAs  
Brownfield Redevelopment  
Wellhead Protection Plans  
Wetlands Permitting  
Compliance Audits  
Hazardous Waste Management  
Hydrogeologic Investigations  
Risk Assessments  
Sampling and Monitoring  
Air Quality Management  
SPCC, SWPPP, and PIPP Plans  
Soil and Groundwater  
Investigations and Cleanups  
Underground Storage Tank  
Assessments and Cleanups  
Asbestos Surveys  
Ground Penetrating Radar  
(GPR) Investigations  
Remediation System Design,  
Construction, O&M

## Environmental

Gosling Czubak maintains one of the largest environmental staffs in Northern Michigan, including licensed engineers, certified geologists, certified hazardous materials managers, and trained field technicians. Our professionals are prepared to meet all of your environmental needs, whether your business area is manufacturing, oil and gas, landfills, mining operations, municipal works, or underground storage tanks.

By understanding funding programs and complex environmental regulations, Gosling Czubak can save you money and alleviate the problems of dealing with regulatory requirements.

Gosling Czubak is a State of Michigan Qualified Underground Storage Tank Consultant. Our staff offers clients decades of experience, in-house drilling capabilities, and an array of services to handle all phases of your project.

Regardless of your environmental needs, Gosling Czubak's Environmental Service Professionals are equipped to provide you with state of the art services, assisting you in achieving successful results on your project.





TESTING OF SOIL PLACEMENT & COMPACTION - CHARLEVOIX, MICHIGAN

## Services

- Soil Borings
- Pavement Investigation
- Materials Engineering
- Pile Load Testing Oversight
- Pile Design
- Soils Investigations and Reporting
- Foundation Engineering
- Laboratory Testing

## Geotechnical Engineering

### GEOTECHNICAL ENGINEERING

Gosling Czubak's geotechnical and foundation engineering department serves clients on projects ranging from retail centers, hospitals, commercial and industrial buildings to bridges, roads, public works, and private development projects. We conduct soils investigations, recommend appropriate foundation options, and provide construction observation for our clients. Our engineers define difficult conditions, recommend proper construction methods, and achieve reliable, timely, and affordable solutions.

**We make problem sites buildable.**

Our in-house drilling capability provides prompt and thorough investigations of the on-site soil and groundwater conditions. Drilling crews have worked on thousands of projects throughout Michigan. Our drillers have a wealth of experience on jobs where the accurate and careful determination of geologic conditions is critical to a project's success.



*Pile load testing*



## Services

Concrete Testing  
Soils Testing  
Construction Observation  
Road Construction Engineering  
Laboratory Analysis  
Mix Design

## Construction Services

### MATERIALS TESTING

Our approach to construction observation and materials testing goes beyond the obvious quality assurance role of determining if the construction work meets the plans, specifications, and industry standards. We become a member of the construction team. We help complete the project in an efficient, cost-effective, and quality manner. We offer positive, constructive input when difficulties do occur and participate in finding solutions. By emphasizing frequent communication between our clients and project personnel, we help keep your projects moving forward.

Our staff of field technicians is HAZWOPER certified and MDOT prequalified in the following classifications:

- Construction Inspection: Roadway
- Construction Inspection: HMA Pavement
- Construction Testing: Aggregates
- Construction Testing: Concrete
- Construction Testing: Density





## Services

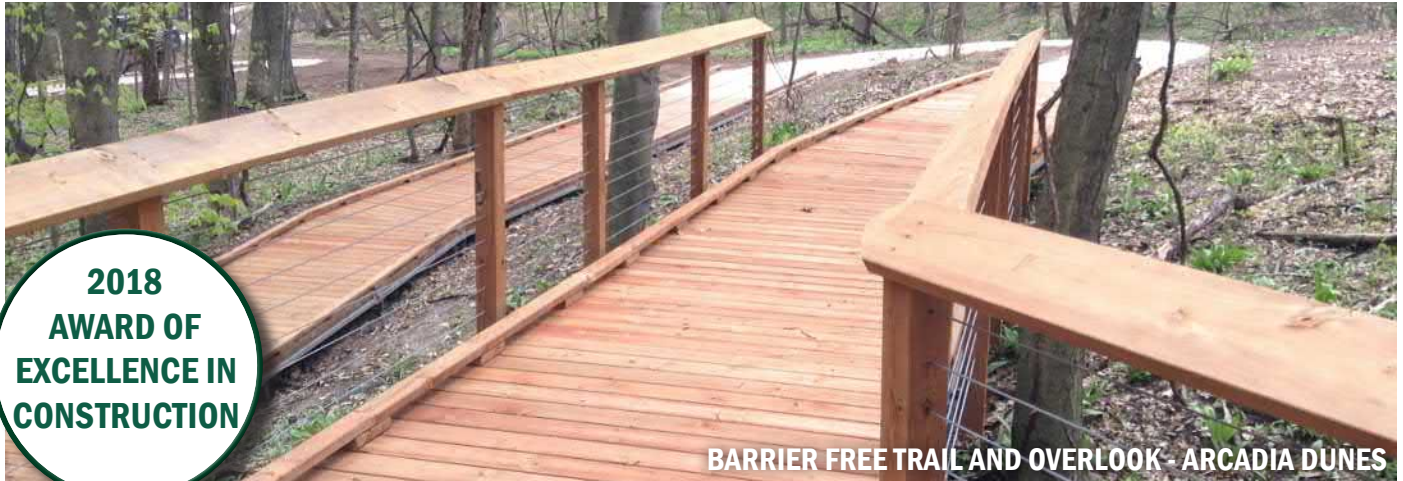
Geotechnical Test Borings  
 Environmental Test Borings  
 Split Barrel Sampling  
 Shelby Tube Sampling  
 Multi-Level Ground Water/  
 Vapor Well Installation  
 Full Development and Well  
 Completion Services  
 Monitor Well Installation  
 Piezometer Installation  
 Well Abandonment  
 Site Access Snow Plowing

## Drilling

Drilling services are performed by our in-house drilling rig. Gosling Czubak has provided geotechnical and environmental drilling services throughout Michigan since 1978. Drilling personnel complete rigorous safety training and refresher courses annually.

Environmental and geotechnical drilling and site investigation services play an ever increasing role in providing positive project outcomes. By providing important soils and ground water information early in the design phase of a project, the engineer can take full advantage of the unique site characteristics. This can reduce the cost of overly conservative designs or can focus on site problems to develop solutions prior to the start of construction.

We have the ability to access difficult sites using ATV and tracked drill rigs. Our rigs can be mounted on barges to provide soils information about rivers and lake bottoms. Site investigation and sampling for environmental projects are critical in evaluating risks and potential cleanup requirements. The environmental professional must be able to depend on reliable drilling and sampling services to evaluate site conditions.



BARRIER FREE TRAIL AND OVERLOOK - ARCADIA DUNES

## Services

Urban Design / DDA /  
Downtown Streetscape and  
Corridors

Recreation Planning / Park  
Facility Development

Sustainable Site and  
Landscape Design

Marinas and Waterfronts

Residential / Commercial /  
Campus Site Development

Sports Facilities and Athletic  
Complexes

Non-motorized Trail Planning  
and Development

## Landscape Architecture

Gosling Czubak provides our clients with a full range of landscape architectural (LA) services. Our staff brings innovation, public awareness, and design creativity to help visualize a project dream. Our staff also possesses the technical training, licensure, funding and financing knowledge, and successful track record of taking dreams envisioned to a built reality.

We believe the most successful project approach is created when stakeholders are actively engaged at an appropriate level and frequency on each project. Our staff helps coordinate decision makers, their constituents, and funding and permitting agencies by developing valuable and cost effective tools to communicate the project's intent and goals. Computer generated and hand rendered graphics and visualizations, along with detailed unit cost projections, phasing and funding action programs, design charrettes and visioning sessions, are some of the tools frequently utilized by our team.

Our landscape architectural services integrate with other services the firm also provides. Engineering and environmental staff members provide key technical expertise on many LA led design projects. Survey, geotechnical, and construction testing staff support our multidisciplinary project design and implementation.

We help project dreams evolve into functional, aesthetic assets by use of effective communication, calculated stakeholder engagement, clearly defined phasing and funding, and well managed construction project implementation. We carefully listen to our clients and communities to guide them throughout the process.



Listed are Gosling Czubak's key managing staff members. Detailed resumes will be provided upon request. A full listing of Gosling Czubak's 50 employees and their titles will also be available upon request.

## *Name & Title*

**DOUGLAS A. COATES, PE**  
President

**MARK J. HURLEY, PE**  
Director of Engineering Services

**CRAIG J. PULLEN, PS**  
Director of Surveying Services

**KEVIN D. RINGWELSKI, CPG, PG**  
Director of Environmental and  
Drilling Services

**JEFFREY H. KOWALSKI**  
Director of Construction Services

**DONALD G. CONWAY, CPG, PG**  
Senior Project Manager

**JEFFREY V. SIMSA, CPG, PG**  
Senior Project Manager

**KLAUS D. HEINERT, PLA**  
Landscape Architect

## *Responsibilities*

President and Chief Executive Officer. Responsible for client relations and QA/QC.

Supervises municipal engineering projects. Responsible for client relations, scheduling training, management of water, wastewater and other municipal projects.

Supervises survey activities, survey training, business development and QA/QC.

Manages environmental engineering projects. Responsible for client relations and technical oversight. Specialized experience in hydrogeological evaluations.

Manages materials testing and construction observation of municipal and private development projects. Provides QA/QC and manages client relations.

Manages environmental site assessments, site investigations, corrective action plans, remediation systems, closure applications for sites, wellhead protection programs.

Manages regulatory compliance issues for manufacturing and industrial clients, designs remediation systems for oil & gas industry, provides technical oversight and QA/QC review.

Manages landscape architecture services for municipalities and agencies.