



STATEMENT OF QUALIFICATIONS

**GOSLING CZUBAK
ENGINEERING SCIENCES, INC.**
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.

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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.



MONITOR WELL SAMPLING

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



ROCK CORING

Services

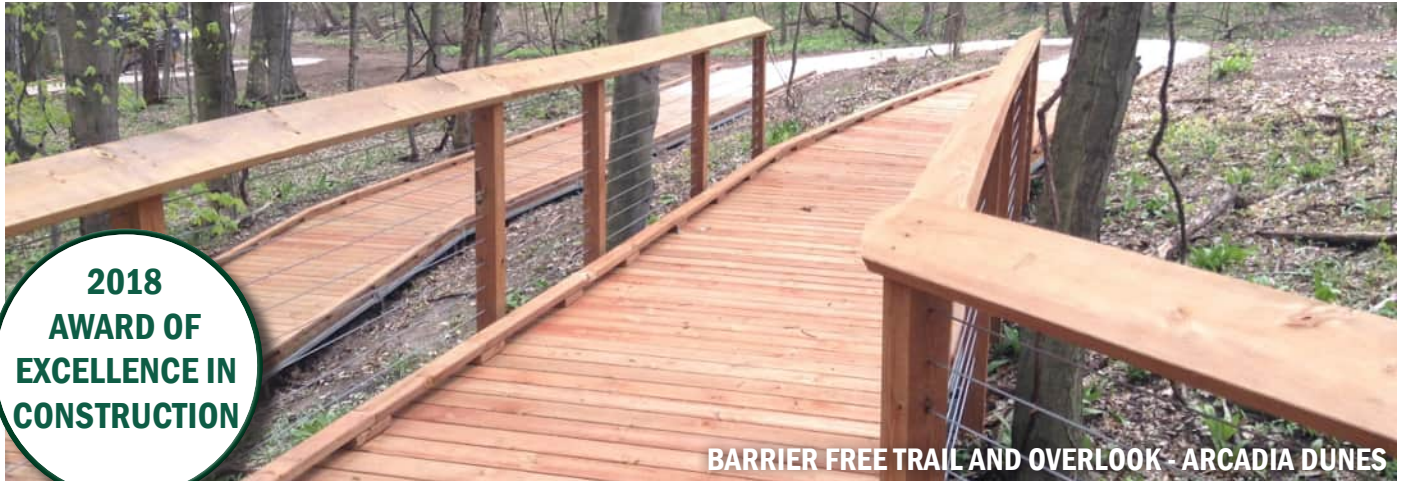
Geotechnical Test Borings
 Environmental Test Borings
 Split Barrel Sampling
 Shelby Tube Sampling
 Multi-Level Ground Water/
 Vapor Well Installation
 Full Development and Well
 Completion Services
 Monitor Well Installation
 Piezometer Installation
 Well Abandonment
 Site Access Snow Plowing

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.



**2018
AWARD OF
EXCELLENCE IN
CONSTRUCTION**

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

Responsibilities

DOUGLAS A. COATES, PE
President

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

MARK J. HURLEY, PE
Director of Engineering Services

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

CRAIG J. PULLEN, PS
Director of Surveying Services

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

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

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

MARTIN A. GRAF, PE
Project Manager

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

KEVIN S. KROGULECKI, PLA
Landscape Architect

Manages landscape architecture services for municipalities and agencies.