

2025 Capability Statement.

Opus Civil Group acknowledges that we are on the traditional, ancestral, and unceded territory of the xʷməθkʷəy̓əm (Musqueam), Skwxwú7mesh (Squamish), and səɪlwətaʔ (Tsleil-Waututh) Nations in Vancouver, BC.



Company Overview

Opus Civil Group is a Canadian civil and structural engineering consulting firm specializing in Infrastructure & Transportation, Residential, and Commercial projects. Built on a vision guided by empathy, grounded in simplicity, and crafted with care, we approach every project as a partnership strengthening trust through transparent communication, shared goals, and consistent delivery.

We support government agencies, municipalities, developers, and private clients across both developed and emerging markets. We operate within a rapidly expanding global infrastructure landscape, where rising investment demands faster access to specialized expertise. Through our international contractor model and integrated VISA program, we can deploy qualified engineers, inspectors, and technical specialists more quickly and efficiently than many global firms, allowing us to support diverse project needs with the right people at the right time.

Headquartered in Vancouver, BC, we blend Canadian engineering standards with global execution, delivering solutions that enhance mobility, enable economic growth, and strengthen communities. With a collective portfolio representing over 40 years of combined experience across North America, Asia, and Latin America, our licensed Professional Engineers (P.Eng, P.E.) ensure every assignment meets international standards (AASHTO, ACI, ASCE, IBC, FIDIC) while adapting seamlessly to local conditions.

Infrastructure & Transportation Projects

Opus Civil Group supports transportation and municipal infrastructure projects with practical, code-compliant civil and structural design. Our team delivers roadway geometry, drainage and stormwater systems, utility servicing, and structural solutions for public works of all scales. With experience in construction coordination, QA/QC, and technical reporting, we ensure every design is buildable, efficient, and aligned with agency requirements. Our international contractor network allows us to support complex programs with reliable, cost-effective engineering expertise.

- Civil and structural design for municipal roads, highways, drainage networks, culverts, embankments, utility corridors, and retaining structures.
- Stormwater management planning, hydrotechnical analysis, erosion and sediment control design, and flood/flow mitigation strategies.
- Tunneling support engineering, shaft and portal civil works, hydropower interface design, and heavy civil concrete structures.
- Construction engineering including ITP development, method statements, staging plans, construction sequencing, and site coordination.
- QA/QC services: shop drawing review, material inspection, regulatory compliance, field technical support, and as-built verification.
- Municipal utility design (water, sanitary, storm), utility relocations, and coordination with local authorities and utility providers.
- Feasibility assessments, civil cost estimating, scope definition, and design alternatives evaluation for early-stage infrastructure planning.
- Tender preparation and bid management, including technical specifications, BoQs, tender documents, contractor evaluation, and procurement support.

Commercial Projects

Commercial and industrial projects benefit from Opus Civil Group's integrated approach to site servicing, stormwater design, grading, utility planning, and structural coordination. We produce clear, compliant designs that support development permits, building permits, and construction readiness. Our engineers work directly with developers, contractors, and municipal reviewers to keep schedules on track and resolve technical challenges efficiently. With global project experience and flexible contractor capacity, Opus delivers practical, value-driven engineering for commercial developments.

- Civil engineering for commercial, industrial, and institutional sites including site servicing, stormwater design, grading, parking layouts, and fire access requirements.
- Structural engineering for foundations, retaining systems, utility chambers, slabs, civil/structural interface elements, and site structures.
- Development permit and building permit support including design compliance, bylaw review, coordination with municipalities, and permit-ready drawing packages.
- Utility planning and coordination for water, sanitary, storm, electrical, gas, and communications, including off-site servicing requirements.
- Construction support services: technical review, shop drawing review, change management, field coordination, and QA/QC oversight.
- Civil works for loading bays, access roads, drive aisles, stormwater detention/retention, infiltration systems, and pavement design.
- Pre-design and feasibility services including site assessments, servicing availability reviews, and high-level cost estimating.
- Tender preparation and bid management including tender packages, scopes of work, contractor inquiries, and evaluation for commercial civil packages.

Residential Projects

For residential development, Opus Civil Group provides complete civil and structural engineering services that move projects smoothly from planning to permitting. We prepare grading, drainage, servicing, stormwater, and site structural designs that support single-family, multi-family, and subdivision work. Our team collaborates closely with architects, builders, and municipalities to streamline approvals and ensure constructible designs. With scalable resources and consistent delivery, Opus offers dependable, cost-effective solutions for residential clients across North America.

- Full civil site design including grading, drainage, stormwater management, erosion control, and servicing connections for single family and multi family developments.
- Structural design support for retaining walls, foundations, shoring coordination, and site-related structural elements.
- Development permit and building permit submission packages, compliance with municipal bylaws, and coordination with planning departments.
- Frontage improvements, driveway access design, utility tie-ins, and coordination with surveyors and geotechnical engineers.
- Construction phase support: field reviews, deficiency coordination, civil revisions, and conformance documentation.
- Subdivision servicing design, lot development planning, servicing studies, and infrastructure upgrades for residential neighbourhoods.
- Preparation of civil engineering reports, technical memos, servicing studies, stormwater reports, and design rationale documents.
- Tender preparation and bid management for private and public housing mid-large scale residential projects, including tender drawings, civil scopes, and contractor evaluation.

Official NAICS & SIC Codes

Primary

541330	Engineering Services
541330-03	Civil Engineering Services
541330-04	Structural Engineering Services
541340	Drafting Services
541690	Other Scientific and Technical Consulting Services
541990	All Other Professional, Scientific, and Technical Services

Secondary / Supporting NAICS Codes

237310	Highway, Street, and Bridge Construction
237990	Other Heavy and Civil Engineering Construction (ports, rail, tunnels)
236220	Commercial and Institutional Building Construction (design support)
236115	New Single-Family Housing Construction (residential design)
541690	Other Scientific and Technical Consulting Services

SIC Codes

8711	Engineering Services
8748	Business Consulting Services

UNSPSC Codes (For UN, MDB, & International Procurement)

81101500	Civil engineering
81101508	Structural engineering
81101503	Transportation engineering
81101509	Geotechnical engineering
72141000	Highway and road construction services

Our Team

Peter Ching, P.Eng – Project Engineer Director

With 35+ years as a Professional Engineer (BC, Hong Kong), Peter has directed over US\$7 billion in mega-infrastructure projects, including airport expansions, seaports, highways, and reclamations. Former Principal Manager (Geotechnical) at Hong Kong Airport Authority's Third Runway Division, he brings end-to-end expertise—from design and contracting to construction management. A proven value engineering leader, Peter optimizes costs while mentoring teams and navigating complex stakeholder dynamics.

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Muhammad Fida Hussain Dar – Project Engineer

Currently pursuing a Master's in Civil Engineering (CGPA 3.88) with a NASA/SpaceX-backed thesis on lunar launch pad design using PLAXIS 3D, Muhammad specializes in advanced soil-structure interaction and geotechnical modeling. He has designed residential and commercial structures using ETABS, SAP2000, Tekla, and Quick-Bid. His published research on ferrocement panels (MPDI) and teaching experience in Highway & Foundation Engineering strengthen our innovative design pipeline.

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Zeeshan Haider, P.E. – Senior Project Engineer

A licensed Professional Engineer with a Master's in Structural Engineering (NUST) and 6+ years in consultancy, Zeeshan excels in seismic design, site development, and full-cycle project delivery. His portfolio includes residential towers, commercial complexes, and industrial facilities using ETABS, SAFE, STAAD Pro, Revit, and AutoCAD. Zeeshan's hands-on approach—from concept to construction—ensures practical, code-compliant, and buildable solutions.

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Rebeca Rivera, MPM – Project Engineer & Project Manager

With a Master's in Project Management and 15+ years in design and supervision, Rebeca leads residential and small-scale commercial projects with precision. A certified Technical Expert in Masonry (INTE-ISO/IEC 17024), she has designed and supervised family homes, managed budgets, and secured permits in Honduras. Her expertise in construction administration, cost control, and stakeholder management ensures seamless project execution.

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Our Team

Tufail Aziz, PMP® – Senior Project Engineer (Mega-Infrastructure & Tunneling)

Civil Engineer with 11+ years of hands-on leadership on projects valued from USD 250M to \$14B, Tufail currently serves as Construction Manager/Deputy Project Manager at Shihb Al-Jazira (SAJCO) on NEOM's THE LINE and TROJENA in Saudi Arabia.

He previously delivered Bechtel's High-Speed Rail Tunnels and the 48 MW Jaggran-II Hydropower project. Specializing in drill & blast tunneling, TBM operations, heavy foundations, slope stabilization, highways, and utility corridors, he has poured 100,000 m³ of structural concrete on THE LINE, completed Highway 8784 detours and a Hydrogen Fueling Station on schedule, and is now managing 500,000 m³+ of excavation and piling for Trojena's Ski Resort. A proven interface coordinator with contractors, consultants, and authorities, Tufail consistently delivers complex, multi-front works with zero incidents, full HSE compliance, and successful EOT/cost claims.

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Miguel Angel Mencía Irias, MSc – Senior Project Engineer (Latin America & International Delivery)

With over 20 years of progressive experience across Honduras and Central America, Miguel combines a Master's degree in Civil Engineering with deep expertise in full-cycle project delivery for residential, commercial, and infrastructure developments.

He excels in conceptual and detailed design, structural analysis, permitting, construction supervision, and final handover in Spanish-speaking markets. Miguel's portfolio includes high-value family residences, multi-story buildings, and urban infrastructure projects executed under tight budgets and local regulatory frameworks. Fluent in Spanish and English, he serves as the perfect bridge for deploying Opus's Canadian engineering standards in Latin America, ensuring seamless coordination with owners, authorities, and construction teams while maintaining rigorous quality, cost, and schedule control.

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Honouring the First Nations of British Columbia

Opus Civil Group acknowledges that we operate on the traditional and unceded territories of the First Nations of British Columbia and is committed to building respectful, long-term relationships with Indigenous communities. We prioritize transparency, cultural respect, and meaningful inclusion in all civil and structural projects, actively supporting the participation of First Nation trades, contractors, and suppliers while ensuring fair opportunity, safe work environments, and equitable compensation.

Our Commitments to First Nations Communities

- Full support and encouragement for First Nation trades, contractors, and suppliers on all projects, ensuring equitable participation and opportunity in civil and structural scopes.
- Engaging First Nation leadership and community representatives at the earliest stages of design to incorporate cultural considerations, land stewardship values, and project priorities.
- Full civil site design including grading, drainage, stormwater management, erosion control, and servicing connections tailored for projects on First Nation lands, from single-family to multi-family developments.
- Comprehensive structural engineering for foundations, retaining walls, framing, and site-related structures, designed to meet community needs and EGBC compliance requirements.
- Preparation of complete permit submission packages including stamped drawings, Letters of Assurance, and coordination with architects, surveyors, and geotechnical engineers to streamline approvals.
- On-site field reviews, inspections, deficiency tracking, and ongoing construction support to ensure quality, safety, and adherence to project design.
- Maintaining safe worksites and equitable conditions for all workers, with mandatory safety training, proper PPE, and adherence to all regulations.
- Commitment to fostering lasting partnerships with First Nations, supporting skills development, mentorship, and ongoing participation in future civil and structural projects.

A detailed line drawing of a highway interchange with multiple levels of overpasses and ramps. A car is visible on one of the upper levels. The drawing is done in a sketchy, artistic style with fine lines and shading.

Why Partner with Opus?

Clients choose Opus Civil Group because we deliver technically sound and practical engineering solutions while providing a single point of accountability for project success. We foster collaboration between internal teams, consultants, and stakeholders to ensure every aspect of a project is coordinated and efficient. By combining expertise, transparency, and reliability, we execute projects sustainably and effectively, whether you are planning a municipal infrastructure upgrade, a commercial development, or a residential community.