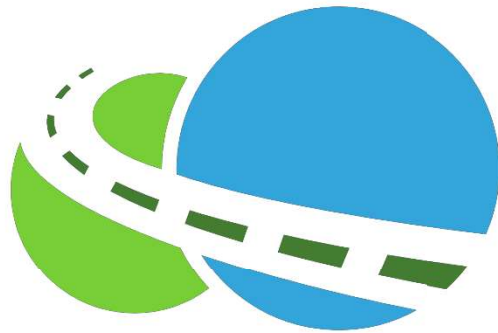




EarthTech Solutions

Specialized in MSE & RSS

Trusted Turnkey Resources of MSE, GRS-IBS & RSS structures

1. ABOUT EARTHTECH

EarthTech Solutions Corp (ETS) offers ONE-STOP services and tailored product direct supply for different kinds of MSE, GRS-IBS, RSS retaining wall and slope projects, including design, value engineering, site supervision /assistance, DP application documents, compliance certificate, and mill certs. Meanwhile, ETS offers installation options, subcontract, consultant, financial tracking and construction scheduling.

1.1 REGISTRATION INFORMATION

Legal Name: EarthTech Solutions Corp.
Head Office: #28 2333 18 Ave NE. Calgary, Alberta T2E 8T6
Tel: (587) 998-1816 Off: (604) 602-5018
www.earthtechgroup.com
Ownership: Privately Owned
Leadership: Hardwin Zhen, Principal
Branches: 2970 Princess Cres Coquitlam BC V3B 7R5

1.2 FINANCIAL INFORMATION

Banking: TD Canada Trust. See appendix 5.1 for detailed ETS banking information
G.S.T.: 83779 0xx2 RT 0001

1.3 INSURANCE

ETS carries local WCB account and Professional Liability-Errors & Omissions \$5,000,000 coverage. The representatives hold valid driver's license carrying \$2,000,000 liability insurance, plus \$5,000,000 Commercial General Liability and Non-owned Automobile insurance.

Error & Omission: available upon request 5.2 for ETS Professional Insurance information
W.C.B: 8846788. Available upon request 5.3 for ETS WCB Clearance Letter.

1.4 STANDARD TERMS AND CONDITIONS

See appendix 5.4 for ETS Standard Terms and Conditions

1.5 SAFETY PROGRAM

See appendix 5.5 for ETS safety program

1.6 PROJECT MANAGEMENT PLAN

See appendix 5.6 for ETS Project Management Plan information

2. MSE SOLUTIONS AND SYSTEMS

EarthTech® innovative MSE systems (patents pending) can be designed as two-staged, multiple tiers, and back-to-back to address different technical challenges such as True abutment, extreme structural loads, bearing capacity, potential for differential settlement, seismic activity and so on. Our dedicated professionals specialize in the delivery of MSE systems of all types across all market segments.

You are just a phone call away from a ONE-STOP MSE specialized services.

- Tensar ARES Panel wall
- EarthTech® Two Stage (Patents pending)
- Grid Wrap
- Pyrawall and Propex System
- EarthTech® e-Wire Wall and Slope
- Geocell Wall and Slope
- MESA & Keystone
- MagnumStone
- FlexMSE
- LOCK+LOAD wall

3. SERVICES

EarthTech provides turnkey earth-related solutions and stellar engineering services to residential, commercial, and industrial clients throughout North America. We specialize in various MSE and RSS walls and slopes. Read on to learn more about our engineering consulting and project management services and featured projects.

- Design and Drawing Package
- Engineering Services
- MSE System Optimization
- PPP Project Outsourced MSE Division
- Project Management
- QA/QC
- Site Inspection and Certification
- Specification Preparation
- Value Engineering

4. PROJECT EXPERIENCE

As a Senior Project Manager, Hardwin Zhen designs and manages the construction of hundreds of MSE wall system projects as well as provides geotechnical reinforcement and engineering services to clients across Canada and USA over 20 years. This well-rounded experience has honed his abilities to provide leadership, clear directions, manage budgets, carry out integrated risk management and communicate project goals to internal and external stakeholders.

4.1 PROFESSIONAL BIOGRAPHY

Hardwin specializes in different kinds of MSE wall systems and construction management services, primarily assisting larger firms with tailored project needs, including the MSE manager and QA Engineer position on site.

Hardwin has worked on multiple P3, design/build and traditional delivery projects in Alberta, across Canada and internationally. He understands MSE/RSS and knows where gaps and overlaps erode profits and is familiar with Alberta Transportation requirements and specifications.

ETS's dedicated team will reduce the number of scope boundaries and staff to complete this aspect of the project. This advantage will save you schedule and budget - while preserving quality.

Our early involvement with your team will allow us to assist when our advice and expertise can benefit the project most. As a major component to traffic availability, we will ensure that your MSE design does not fall behind your implementation schedule, do all means to avoid winter work, and no dependent activities delayed.

4.2 RELEVANT EXPERIENCE

4.2.1 TRUE ABUTMENT, GRS-IBS & TWO-STAGED CONCRETE PANEL WALL

- West Calgary Ring Road DB1 Valley Ridge Blvd Bridge (True Abut, 11.176m, AT)
- Tlicho All Season Road bridges (True Abutment, GRS/IBS, NT Ministry of Transportation)
- Traffic Bridge (City of Saskatoon, Two-Staged Wall)
- Hwy 400 (Ontario Ministry of Transportation, Two-Staged Wall)
- 96th Ave NE Extension (Airport Trail Across CP Rail, Calgary, AB)

4.2.2 PRECAST CONCRETE PANEL (ABUTMENT, WING & STANDALONE)

- Southeast [Stoney Trail](#) (Alberta Transport, Calgary Ring Road, [PPP](#).)
- Northeast Stoney Trail (Alberta Transport, Calgary Ring Road, P3)
- Crowfoot LRT Station (City of Calgary)
- South Health Campus (City of Calgary)
- [Glenmore](#) Over Ogden (City of Calgary)
- 64 Ave LRT Station (City of Calgary)
- Spiller Road [Bridge](#) Project (City of Calgary)
- Stoney Trail (Hwy 201) Over Scenic Acres Project (Alberta Transportation)
- Wedgewood Bridge (City of Edmonton)

4.2.3 LOCK+LOAD, FLEXMSE, MAGNUMSTONE & MODULAR BLOCK WALL

- Trinity Development Lock+Load Wall (COP, 9.764m high, City of Calgary)
- Aspen Landing (Three Tiers of MagnumStone MSE Wall)
- Crowness Senior Lodge MSE Wall (Government of AB)
- Taza Costco MSE Wall (Calgary)
- Calgary Cancer Center (9m high FlexMSE wall, Calgary)
- Banff Trail LRT Station (City of Calgary)
- Stocking Creek (Vancouver Island, BC)
- Sunridge Lowes MSE Wall (Calgary)
- Windsor Essex (Ontario Ministry of Transportation, Geocell slope)

4.3 LICENSES & REGISTRATIONS

- Professional Engineer in BC., NT., AB., (SK), ON, IntPE TX & NV)
- PMP with PMI

