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# ABOUT US

Subsurface Construction Corporation is a specialty deep foundations contracting company. With locations in Calgary, AB, Grande Prairie, AB, Okotoks, AB, Fort St John, BC and Estevan, SK, we are well equipped to deliver projects across western Canada. Our team has executed the design and construction of thousands of piling projects worldwide.

Deloitte.


**PICS**  
THE CONTRACTORS' CHOICE



**COMPLYWORKS**  
Get ready to work.



ALBERTA CONSTRUCTION  
SAFETY ASSOCIATION



*We focus on the design of efficient, economical  
foundation systems in all ground conditions.*



## **OUR SERVICES**

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- Driven Piling
- Helical/Screw Piling
- Concrete Piling
- Micropiling
- Shoring, Earth Retention Systems, Sheet Piling
- Drilling
- Pile Extraction
- Crane & Picker Work
- Foundation Engineering & Testing
- Welding & Fabrication
- Heavy Civil Construction/Earthworks

# DRIVEN PILING



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At Subsurface, we install driven piles with a fleet of modern & well-maintained equipment including: Junttan hydraulic piling machines, picker truck mounted piling units, and cranes with hanging hammers or vertical travel lead (VTL) systems. We utilize a combination of hydraulic, diesel and drop hammers depending on the project. Pile types we install within the driven scope include:

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- Pipe Piles
- H-Piles
- Timber Piles
- Pre-Cast Concrete Piles
- Sheet Piles
- Solider Piles

# HELICAL (SCREW) PILING

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The team at Subsurface have been involved in the design and construction of an abundance of helical piles; encountering in a variety of ground conditions across the country. We are often able to optimize tendered designs to generate massive installation, schedule, and materials savings for our clients. Our team members are published innovators in the field of Helical Pile Testing.

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# CONCRETE PILING

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Subsurface is your solution to found heavily loaded structures in challenging soil conditions. We install typical drilled concrete piers in nearly all variations and diameters imaginable to provide a stable foundation. These concrete pile types include:

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- Standard Drilled Cast-in-Place Concrete Piles
- Caissons
- Rock Sockets
- Belled Piles
- Continuous Flight Auger (CFA) Piles





## MICROPILING & SOIL/ROCK ANCHORS

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Subsurface employs a talented team of engineering & construction professionals that have designed & installed micropile solutions for a variety of different ground and site conditions. We also provide heli-portable piling solutions to drill and install anchors in areas deemed nearly inaccessible.

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# SHORING, EARTH RETENTION SYSTEMS, SHEET PILING

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Subsurface provides numerous earth retention system options to our diversified clientele including:

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- Sheet Pile Walls
- Soldier Pile Walls
- Secant Pile Walls
- Cofferdams
- Gabion Walls
- Soil Nailing
- Mechanically Stabilized Earth (MSE) Walls

# DRILLING

## GEOTECHNICAL, ENVIRONMENTAL, EXPLORATION, DRILL & BLAST

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Using a modern fleet of both truck and track mounted drills, Subsurface can provide the optimal drilling rig to suit your needs.

We are equipped with drills that can auger from 50 mm (2") diameter holes to 3 m in diameter.

We conduct geotechnical sampling & SPT testing, environmental, and exploration drilling.

Our team is also highly experienced in augering holes required for blasting in the mining sector.

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## LIMITED ACCESS DRILLING & PILING

Subsurface takes pride in developing innovative solutions to challenging problems. A great example of this is our limited access fleet of drills that can fit through areas as small as a doorway while still installing foundation systems that can carry a heavy load.

# PILE EXTRACTION

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Using either crane/excavator mounted vibros or rotary helical drive heads, Subsurface has the ability and expertise to remove driven and helical piles when required by our clients.

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## CRANE & PICKER

A large crane and picker truck mounted piling rig is shown at a construction site. The rig is tall and slender, with a long lattice boom extending upwards. The truck is mounted on a heavy-duty chassis. In the background, numerous vertical piles are visible, arranged in rows. The scene is set in an open area with some trees and a clear sky. The overall tone is professional and industrial.

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At Subsurface we have extensive experience providing heavy lift services. We also execute a variety of crane and picker truck mounted piling projects.

We have also assisted clients in conducting lifts, and piling operations involving critical lifts over in-situ infrastructure.

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# FOUNDATION ENGINEERING & TESTING

Our engineering and testing group have been able to optimize pile designs across Canada and worldwide offering significant savings to our clients. Some of the Engineering & Testing services we offer include:

- Foundation System/Pile Design
- Pile Driveability Analysis (WEAP Analysis)
- Geotechnical Investigations
- Shoring Design
- Static Load Testing
- High Strain Dynamic Load Testing (PDA Testing)
- Anchor Load Testing
- Pull Testing/Dynamometer Testing

# WELDING & FABRICATION

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Alongside our CWB Certified engineering team, we execute numerous Welding & Fabrication Services including:

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- Pile Splicing
- Helical Pile Fabrication
- Structural Steel Installation
- Cutting & Capping



# HEAVY CIVIL CONSTRUCTION/EARTHWORKS

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At Subsurface we have a wide selection of well maintained, modern heavy equipment to deliver a variety of civil construction services including:

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- ④ Site Grading
- ④ Pad Construction, Well Sites & Leases
- ④ Road Construction
- ④ Bridge Construction & Maintenance
- ④ Mine Development
- ④ Landfills
- ④ Pond & Reservoir Construction
- ④ Slope Stability Remediation
- ④ Environmental Remediation
- ④ Underground Utility Installations

# SAFETY

Subsurface Construction Corporation is a member in good standing with the following, respected, industry safety compliance organizations.

**Deloitte.**

**PICS**  
THE CONTRACTORS' CHOICE

**COMPLYWORKS**  
Get ready to work.



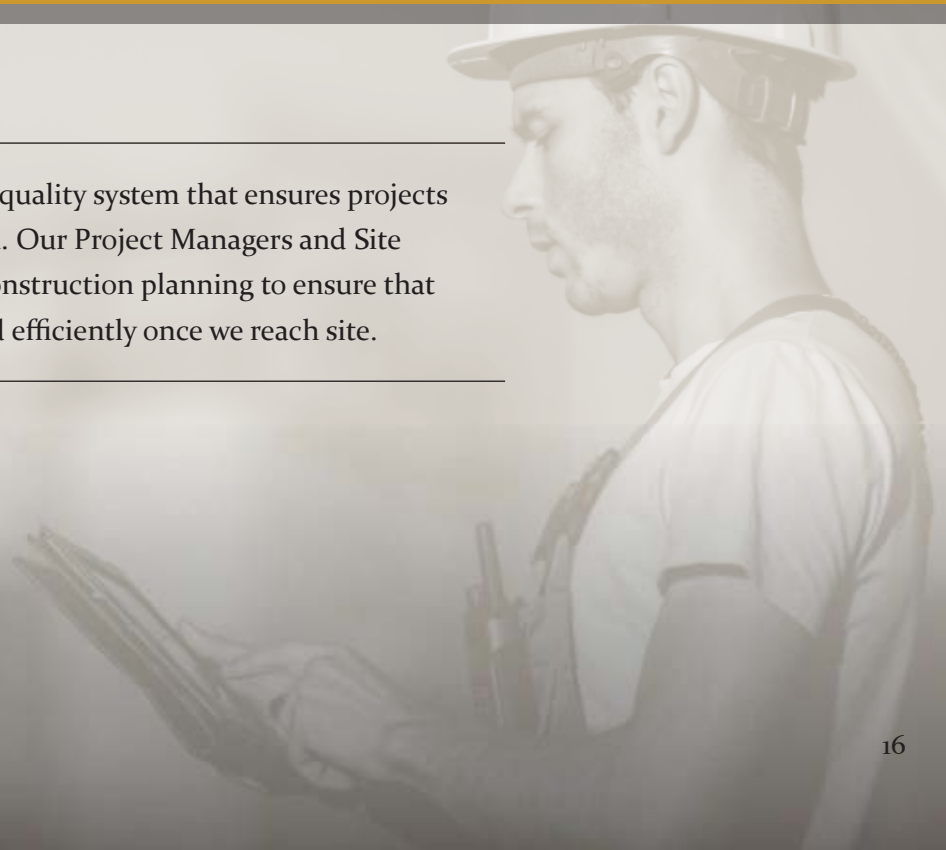
**ALBERTA CONSTRUCTION  
SAFETY ASSOCIATION**

# QAQC

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At Subsurface we have established a robust quality system that ensures projects are delivered to the specified design criteria. Our Project Managers and Site Superintendents engage in extensive pre-construction planning to ensure that our team of professionals execute safely and efficiently once we reach site.

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