





**TMX JASPER, AB**

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**PIPELINE TRENCHING | HARD ROCK TRENCHING**





## TMX JASPER, AB

- Trenching for Fibre Optics Installation
- Assist with Ditching Procedures

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## **TMX JASPER, AB**

### **Materials Trenched**

- Pink Granite
- BC Jade
- Various Softer Materials

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## TMX JASPER, AB

### Dimension

- .8m Width x 1.2 - 1.5m Depth

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## **TMX JASPER, AB**

### **Production**

- 100 - 800 Meters Per Day

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**BUCKINGHORSE RIVER, BC**

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## **BUCKINGHORSE RIVER, BC**

### **Materials Trenched**

- Limestone
- Sandstone
- Mudstone

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## BUCKINGHORSE RIVER, BC

### Dimension

- .8m Width x 1.8m Depth

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## BUCKINGHORSE RIVER, BC

### Production

- 140 - 1300 Meters Per Day

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**PEMBINA - EMPRESS, AB**

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## PEMBINA - EMPRESS, AB

### Materials Trenched

- Frozen Wet Sand

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## PEMBINA - EMPRESS, AB

### Dimension

- .9m Width x 1.5m Depth

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## PEMBINA - EMPRESS, AB

### Production

- 500 Meters Per Day

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**ENBRIDGE LINE 10, ON**

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## ENBRIDGE LINE 10, ON

- Replacement Project

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## ENBRIDGE LINE 10, ON

### Materials Trenched

- Silty Clay
- Dolomite Rock

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## ENBRIDGE LINE 10, ON

### Dimension

- .9m Width x 1.8m Depth

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## ENBRIDGE LINE 10, ON

### Production

- 50 - 1500 Meters Per Day

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**UPPER LILLOOET HYDRO, BC**

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## UPPER LILLOOET HYDRO, BC

- Trenching for Power
- Trenching for Fibre Optics Installation
- Installation Down Access Roads

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## UPPER LILLOOET HYDRO, BC

### Materials Trenched

- Pumice
- Lava Rock
- Blast Rock and Boulders

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## UPPER LILLOOET HYDRO, BC

### Dimension

- .46m Width x 1.2m Depth

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## UPPER LILLOOET HYDRO, BC

### Production

- 100 - 800 Meters Per Day

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**WOOD BUFFALO PIPELINE, AB**

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**PIPELINE TRENCHING | HARD ROCK TRENCHING**





## WOOD BUFFALO PIPELINE, AB

### Materials Trenched

- Solid Limestone

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## WOOD BUFFALO PIPELINE, AB

### Dimension

- 1.37m Width x 2.7m Depth
- 36 Inch Pipe

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## WOOD BUFFALO PIPELINE, AB

### Production

- 275 Meters Per Day

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**SASK ENERGY, SK**

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**PIPELINE TRENCHING | HARD ROCK TRENCHING**







## **SASK ENERGY, SK**

- Gas Distribution

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## **SASK ENERGY, SK**

### **Materials Trenched**

- Granite
- Shield Rock
- Hard as 241 MPA (35,000 PSI)

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## **SASK ENERGY, SK**

### **Dimension**

- .3m Width x 1.4m Depth

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**PIPELINE TRENCHING | HARD ROCK TRENCHING**







## **SASK ENERGY, SK**

### **Production**

- 100 - 800 Meters Per Day

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**PIPELINE TRENCHING | HARD ROCK TRENCHING**



**Jay Cridland**



President  
Project Manager

**Lori Cridland**




Administrative  
Project Coordinator

**Frank Mackie**



Consultant

**Matt Meunier**




Superintendent

**Hydroseeding  
Brushing**



Ken Wray

**Trenching  
Road Mining**



Jay Cridland  
Jamie Cridland

**Pipe**



Kurt Sandberg

**Maintenance**



Jay Cridland  
Jamie Cridland  
Kurt Sandberg

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YEAR	MAN HOURS WORKED	FATALITIES	LOST TIME INJURIES	MEDICAL AIDS	FIRST AIDS	LTI FREQUENCY	NON-LTI FREQUENCY
2019	1342	0	0	0	0	0	0
2018	1030	0	0	0	0	0	0
2017	1560	0	0	0	0	0	0
2016	575	0	0	0	0	0	0







The employer and senior management of Lakeside Heavy Equipment Ltd. are vitally interested in the health and safety of its workers. Above all, protection of workers from occupational hazards is a major continuing objective.

Lakeside Heavy Equipment Ltd. will make every effort to provide a safe and healthy work environment. All employers, supervisors and workers must be dedicated to the continuing objective of reducing risk of injury.

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**SAFETY PROGRAM**





Lakeside Heavy Equipment Ltd., as employer, is ultimately responsible for worker health and safety. As president of Lakeside Heavy Equipment Ltd., I give you my personal commitment that I will comply with my duties under the Act; such as taking every reasonable precaution for the protection of workers in the workplace.

Supervisors will be held accountable for the health and safety of workers under their supervision. Supervisors are subject to various duties in the workplace, including the duty to ensure that machinery and equipment are safe and that workers work are in compliance with established safe work practices and procedures.

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**SAFETY PROGRAM**





Every worker must protect his or her own health and safety by working in compliance with the law and with safe work practices and procedures established by the employer. Workers will receive information, training and competent supervision in their specific work tasks to protect their health and safety.

It is in the best interest of all parties to consider health and safety in every activity. Commitment to health and safety must form an integral part of this organization, from the president to the workers.

A handwritten signature in black ink, appearing to read "J. Cridland".

**Jay Cridland; President  
Lakeside Heavy Equipment Ltd**

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**SAFETY PROGRAM**







Lakeside Heavy Equipment Ltd. follows all commitments from specific environmental studies and executes them precisely. We have instilled in our team an environmental, as well as safety orientated mind set.

Our equipment and service vehicles come equipped with spill kits, shovels and fire extinguishers as specified per project. If there is a specific environmental request, such as a wash station for example, we can build them to your specifications at a pre agreed amount.

Lakeside adheres to manufacturers bearing time on all components, helping to avoid component failures and leaks and downtime.

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**ENVIRONMENTAL PROGRAM**





When required, near river crossings or water courses, we use only bio-oil in our equipment.

We supply oilers on the ground at all times to inspect for leaks and our mechanics adhere to equipment daily log books and work with the oilers to ensure our equipment is top notch and leak free.

If a failure should occur, we come fully equipped with a field response unit on site with contaminated material holding bins.

**Jay Cridland; President  
Lakeside Heavy Equipment Ltd**

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**ENVIRONMENTAL PROGRAM**



We believe an integral part of our success depends on our ability to mitigate the impact of, and adapt our business to, changing climatic conditions.

Our carbon footprint covers our entire fleet, buildings and yards, and we believe the single best way we can positively impact the environment is by continuously improving our fleet operating efficiency and reducing our carbon footprint.

This includes:

- Regular fleet maintenance
- Waste reduction
- Recycling
- Reduction of water usage
- Energy efficient equipment
- Utilizing green-friendly hotels

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**CARBON FOOTPRINT**





For many years the primary way to excavate for a pipeline and other projects through hard rock was by blasting.

More recently, trenching has become the favoured method in many situations as it offers several clear advantages:



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**BENEFITS OF TRENCHING vs Blasting**





- Cost effective
- High productivity
- Ability to work in extreme environmental conditions
- Increased safety/less risk of liability
- Reduced road transport
- Reduced environmental impact
- Carbon footprint speed efficiency
- Minimized over-excavation
- Maximized re-use of trench spoil for back-fill

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**BENEFITS OF TRENCHING vs Blasting**





Lakeside Heavy Equipment Ltd was formed in 1993 and primarily repaired heavy equipment; specializing in pipeline construction. Over the years, more time was spent repairing ditching equipment and being involved in major overhauls with Majestic, Banister, O.J., Marine and Spie.

In 2002, owner Jay Cridland was offered a distributorship from Tesmec, USA Inc. to sell and service their equipment. By 2005, after successfully selling seven units, Jay had the opportunity to utilize the 'Rocksaw' to work in the Alberta Rocky Mountains to showcase the trenching abilities in regards to the environment and wildlife minimal impact. And in 2006, Jay Cridland began doing what he liked best - using the trenching equipment!

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**COMPANY OVERVIEW**





Utilizing a team of experienced and dedicated staff, our company has cut rock all across Canada, USA, and North Africa and is a member in good standing as well as a registered contractor with the International Union of Operating Engineers Local 955.

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COMPANY OVERVIEW







We are able to work next to sensitive underground utilities, watertables, buildings and wildlife without disturbance unlike blasting. Continually, we have collected unique information on teeth application versus type of rock and specialize in backfilling techniques, padding and shading of the pipeline using spill from the trencher; eliminating expensive sand padding, foam, gunite, rockshield etc. from our business partners bottom line. Furthermore, employing our trenching equipment and methods provide significant savings in clean-up costs, and the overall quality of the finished clean-up will be higher due to the lack of boulders that never seem to fit back where they came from.

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**COMPANY OVERVIEW**





From our chain trenchers, road miners (20" cut x 12' width used for ROW operations) to our padding equipment, Lakeside Heavy Equipment Ltd. is certain we can help you finish safely, on time, and in the black with happy landowners and wildlife.

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**COMPANY OVERVIEW**

