

# Hydro Excavation

The safer alternative  
to conventional excavation



# Clean Harbors Hydro Excavation: Safer. Cleaner. More Precise.

*In many industrial and municipal settings, excavators often have to make a “best guess” about the nature and location of pipelines, utilities, service pits and other hidden obstructions—making conventional manual or machine digging a significant risk to underground infrastructure and the surrounding ecosystem. But now, there’s a better way: Hydro Excavation from Clean Harbors.*

## Safer.

Mitigates risk of damage to unknown or congested underground infrastructure and injury to on-site personnel

## Turnkey Hydro Excavation services.

Ideal for excavation projects that require a higher level of safety, sensitivity and precision, Clean Harbors Hydro Excavation uses high-pressure water to break up soil and an industrial-strength vacuum that collects the resulting slurry in a holding tank. Collected debris can then be dumped on-site or in an off-site location, depending on project requirements. Thanks to our unique ability to manage and execute every phase of the Hydro Excavation operation—as well as transportation and disposal services—there is no need to engage multiple vendors, a significant savings of time and money.

Compared to conventional hard-edge excavation methods, the risk to underground infrastructure is greatly reduced, in most cases requiring substantially less backfilling and site restoration, and eliminating the need for costly repairs.

## A team of qualified experts.

Every Clean Harbors Hydro Vac project is conducted by an expert team of OSHA-qualified operators and technicians. Experienced in sensitive-site excavation and the latest Hydro Excavation technology, Clean Harbors personnel set the industry standard for water-propelled excavation safety and precision. Our outstanding safety record speaks for itself, exceeding all regulatory requirements.

## A cost-effective excavation solution.

Hydro Excavations can typically take more time than conventional “yellow-iron” methods, yet offer ten times the rate of manual digging. Coupled with lower associated insurance costs and liability exposure, Hydro Excavation offers a realistic, cost-effective approach to even the most complex and challenging excavation scenarios.

## A better way to keep plants on-line.

Damage caused by conventional excavation methods is costly to repair, and can have far-reaching consequences for chemical facilities, including prolonged downtime, a decrease in production and an increase in insurance rates. By comparison, Hydro Excavation can safely and effectively be used for interior plant applications without compromising plant efficiency and productivity.

## Cleaner.

Minimizes impact to the surrounding environment and requires less backfilling and site restoration



## Choose Clean Harbors' Hydro Excavation for:

- ✓ **Remote or congested excavation sites** inappropriate for conventional “yellow iron” machinery
- ✓ **Excavation projects that are at high risk for congested or unidentified underground infrastructure**
- ✓ **Excavation in or around fiber optic cables or other highly sensitive underground materials**
- ✓ **Excavation projects that require material removal faster than manual digging permits**
- ✓ **Daylighting, Potholing, Slot Trenching, Piling Holes, Shoring, Pit Cleaning, Trench/Culvert Cleaning**
- ✓ **Interior plant applications, including pipeline, terminal and dry tank cleaning**

## More Precise.

Areas of excavation can be pinpointed with greater accuracy and sensitivity compared to mechanical methods.

For more information about Clean Harbors services, call us:  
**Fort McMurray, AB 780.743.0222**



## The Clean Harbors Advantage

Clean Harbors provides comprehensive cleaning and routine maintenance to chemical and specialty chemical facilities throughout North America, delivering seamless end-to-end solutions from a broad network of recycling, transportation and disposal facilities professionals. For more information about Clean Harbors services call us at **780.743.0222** (Fort McMurray, AB).



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