



Precise, Safe and Efficient Digging



HYDRO EXCAVATION



» About Us

Ecotech Hydro Excavation is located in Lancaster, PA. We specialize in Hydro and Air Excavation as well as Stone Slinger Services.

Our policy is to reach for the highest level of safety in the conduct of our operations, while complying with government, health, safety laws and regulations. The safety of our employees, clients, the public, property, the environment and physical assets at all sites is very important to us.

We pride ourselves on promptness, reliability, and customer service. All of our equipment is inspected regularly, and serviced on schedule by our in house mechanics. Our mechanics are also equipped to do on-site repairs in the unforeseen event of equipment breakdown. This allows us to ensure minimal down time as possible. Our areas of service include Pennsylvania, Maryland, Delaware, New Jersey, and other areas of the North East. We are available 24/7 to assist you.



» Benefits of Hydro Excavation

- Ensure a safe work environment
- Avoid hits to underground utilities
- Prevent injuries or fatalities of workers and the public
- Avoid liability and insurance costs from damaged utilities
- Reduce construction cost with subsurface engineering and eliminate costly change orders
- Minimize restoration costs by the removal of less material
- Avoid high cost of repairing damaged underground infrastructure
- Able to excavate in hard to reach remote-access locations
- Works great in conjunction with traditional excavating equipment



» Why Water?

- Water is a lubricant therefore less abrasive to utility coatings
- Trucks are equipped with a 500,000 BTU boiler to heat the water allowing it to cut through frozen ground
- Using water eliminates static electricity
- Precise digging with water ensures minimal disruption allowing for cleaner work areas



» Pellets

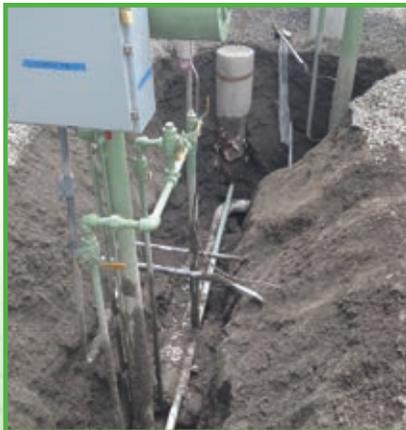
At Ecotech we utilize a custom engineered wood product that is mixed in the truck to absorb the water used for excavation. This process changes the slurry into a much dryer material allowing us to dump in a smaller containment area. Drier materials can also be loaded offsite in a dump truck or open container for disposal.



» Why Air?

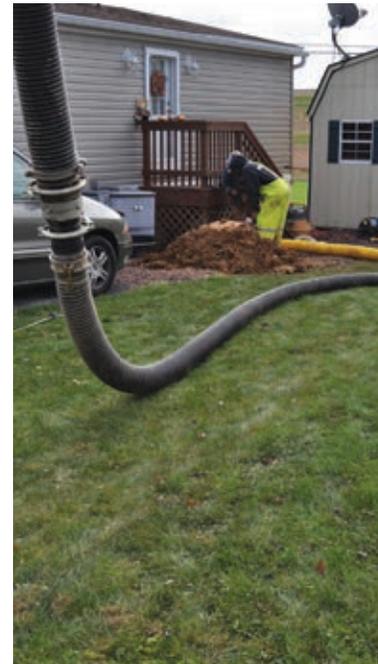


- With air, material stays dry and can be used for backfill
- Air allows for less damage to tree roots and to certain utilities



» Remote Excavation

Hydro excavation is ideal when access to the dig site is restricted. All of our trucks have powerful displacement blowers that are capable of digging several hundred feet away from the truck. This allows the truck to be parked in a safe location and hoses can be run to the excavation site when it is not possible to dig with standard equipment.





» Stone Slinger

Ecotech's Stone Slinger precisely places material from up to 100 feet away, with a 180° radius. Our conveyor system is the fastest way to spread aggregate, soil and sand on any job site.

Fast Facts

- Place material up to 90 ft. away
- 180° radius
- Can place 150 tons of material per hour
- Remote controlled boom for precise placement
- Holds up to 22 tons of material



Common Uses

- Concrete Flatwork
- Foundation Preparation
- Basement Perimeter Drains
- Ground-Leveling
- Trench Backfill
- Driveways
- Soil Placement
- Steep Slopes
- Erosion Control
- Roadside Application
- Retaining Wall Backfill
- Landscaping
- Fuel Tanks
- Park & Recreation
- Golf Courses

Materials

Aggregate/Stone | Screened Soil
Select Fill | Topsoil | Sand | Mulch

Industries Served



Utilities

Hydro excavation is quickly becoming the preferred excavating method by utility companies across the nation because of the immense safety benefit. No longer is accidental line damage a concern. Not only is the risk of disaster virtually eliminated, but damage to line casings and pipe coating are not a worry either. This process allows for exposure of energized buried lines. Ecotech, along with utility providers and installers, make a perfect match.

Plumbing



From preparation for installing new lines to regular maintenance and emergency repair, hydro excavation's surgical accuracy and its rapid vacuum capability prove to be remarkably valuable for plumbing applications. Many plumbing situations involve sucking thousands of gallons of water to get to the source of the problem. Ecotech's equipment can handle the job quickly.



Electrical

Construction activity in an electrical sub-station can be a daunting and dangerous task. Ecotech is able to produce critical path excavation such as trenches, pit boxes, and pier shafts. Ecotech's remote digging service is an essential component to safe excavation for electrical applications.

Oil & Gas



The oil and gas industry is very protective of the safety and integrity of their pipelines and facilities. Ecotech can safely excavate around high pressure lines in congested areas and around buried infrastructures. The oil and gas industry was the 1st to recognize the safety benefits of hydro excavation.



Construction

We know that hydro excavating is not a replacement for traditional excavating equipment. The best solution is to work in conjunction with these other services. Ecotech is capable of getting to those remote access locations that traditional excavating equipment cannot.

Municipal



The capabilities of hydro excavation within the municipal construction industry are virtually endless. Street light posts, road signs, and traffic lights all need to be installed by excavating the ground. Townships and municipal authorities are using hydro excavation for broken valve box replacements, sub-surface utility engineering, cleaning out catch basins and storm drainage systems, utility line locating, fire hydrant replacements, and emergency sewer and water line repairs. Advantages of Ecotech completing these tasks are less traffic and service disruptions, less surface damage, and greater safety for the public.



Engineering

Engineering firms are responsible to their customers for keeping current with the most recent codes, construction practices, keeping their projects uninterrupted and within budget. Ecotech Hydro Excavation provides the natural solution to those difficult or risky excavation projects.

Service Areas:



HYDRO EXCAVATION

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