

NDD Services

The utilisation of Non Destructive Excavation represents a risk mitigating activity over past practices in digging methods over traditional invasive mechanical methods, utilising excavators and the likes. Non Destructive Excavation benefits the following advantages;



- Reduces any damage risk to underground assets such as cables and other site services
- NDD excavation allows for safe and efficient digging that mechanical equipment is simply not capable of
- The excavated area is more easily controlled
- Reduced costs in traditional deployment with floating
- Can be remotely accessed utilising various hose lengths

JR Richard's Applications

Hydro Excavation utilises either a Combo Unit or a dedicated NDD Unit, with a high pressure water pump. Our Hydro Excavation units utilise a mix of high pressure water and Vacuum to excavate and collect the spoil. The water is used to loosen the soil on the target surface, while a vacuum sucks up all the soil and other debris. This enables us to dig and create a hole or trench without damaging other services within the vicinity.

Air Excavation utilises Vacuum Unit and an air Compressor. Our Air Excavation units utilise a mix of high pressure air through an approved air lance, and Vacuum to excavate and collect the spoil. The air is used to loosen the soil on

the target surface while a vacuum sucks up all the soil and other debris. With this method the surrounding ground needs to be conducive to be loosened by air i.e. loose fill or sand. The advantage with Air Excavation is that the material removed is dry, and can be utilised again without the need to be transported and disposed off site. Again this enables us to dig and create a hole or trench without damaging other services within the vicinity.

NDD Excavation Services

JR Richard's NDD excavation services are commonly used in a wide variety of industries in both remote areas and metro locations. Our services are regularly employed by municipal councils, construction, rail network and telecommunication industries for:

- Upgrading of Network infrastructure
- Power pole installations
- Underground reticulation
- Identification of underground services, such as water pipes and sewers, telecommunication cables and power cables

There are a variety of factors that influence NDD excavation services which include the following;

- Work area access
- Ground conditions
- Location of underground services

In most cases, waste removal is required, and will be transported and disposed in a legal manner to an appropriate License Disposal site

Quality assurance

Our specialist fleet of vehicles is second to none, backed by a team of seasoned drivers with vast experience. Each vehicle operates under strict licensing standards, compliant with all state and environmental regulations.

