We cover the full spectrum of civil infrastructure works from major bulk earthworks to detailed construction

**Capability**

**Civil Engineering**

McMahon Services is a leading and award winning civil contractor with over 25 years’ experience in delivering quality, innovative and cost-effective civil projects across a wide variety of markets. Our work spans large-scale inner-city projects through to remote works, with the ability to mobilise resources across Australia.

- Major bulk earthworks including site clearing, bulk cut to fill and excavation of basements, car parks, building plateaus including safe construction of batters, benches and ramps
- All work associated with Civil earthworks installation and construction - Sub-divisions and land developments
- Detailed excavation - strip footings, pad footings, pile caps and setbacks
- Installation of all underground infrastructure including potable water, fire mains, stormwater, sewer, electrical and communications
- Construction / upgrades of roads and car parks including asphalt, spray seal, concrete and block paving
- Installation of upright kerbs, signage, linemarking, wheelstops and bollards
- Excavation and construction of swales, detention ponds and wetlands
- Construction of concrete infrastructure including retaining walls and stairs
- Foreshore redevelopment
- Landscaping hard - street furniture, feature walls, footpaths, edging, timber boardwalks, water features, fencing, lighting and concrete structures
- Landscaping soft - cultivation, topsoiling, planting and hydroseeding
- Civil demolition of existing infrastructure for recycling
- Crushing, sieving and screening of oversized materials
- Installation and/or relocation of transformers, pits and gross pollutant traps

**Plant and Equipment**

McMahon Services is continuously investing in the latest technology and boasts a $70 million network of company owned plant and equipment. Our Civil Division is equipped with excavators ranging from 1.8 - 125t, along with loaders, water tankers, graders, dozers, compactors, dump trucks, water trucks ranging from 12,000L - 37,000L, quick fill tanks, screening machines and specialist soil stabilising equipment.

**3D Grade Control Technology**

Our team of highly experienced, in-house surveyors, have refined our excavation methods through the use of a Tractor-Scraper System, equipped with GNSS Infrastructure and Trimble Site Vision Grade Control Software. Aimed at delivering a more timely and accurate excavation and backfill process, this technology maximises machine productivity with 3D grade control. Design information and live cut/fill indication displayed in real time, allowing excavation and grading to be done without the use of timber stakes.

**Hydro-Excavation Unit**

Providing an innovative solution for locating and excavating around underground services and eliminates the risk of damage to gas, water and sewer mains, optical fibre, power and telecommunications.