



## Civil Capability Statement



**TOTAL ENGINEERING SOLUTIONS, FOR  
INSTALLATION, CONSTRUCTION,  
AND MAINTENANCE**



*MCA conducts its self from offices and facilities throughout the regional east coast of Australia, supported by a large fleet of construction equipment and competitive labour rates MCA can support your construction needs.*





## Vent Fan Footings

Mass pour installation & cure management of large volumes of concrete.

Detailed earthworks and sub grade preparation.

Suspended slab construction, formwork and reinforcement installation, concrete placement and finishing

Pad Footings with structural hold down bolts cast into position.

## Ground Support

Ground Mesh support system installation.

Scaling, Excavation of rock face to required geological or operational conditions.

Rock reinforcement by bolting & or resin injection

Machine mounted rock drilling equipment

Manual (Air legging) labour and equipment



## Drive In Sumps

Underground or surface design and construction

Optional Cast in steel wear rails and bump stops.

In situ or engineered formwork construction

Scaffolding Installation.

Low head height concrete line and boom pumps



## Head Wall

Ground Support c/w various rock bolting and drill attachments.

Pre-cast panel, placement and installation

MCA Mobile support plant to grade and shore up working levels as required.

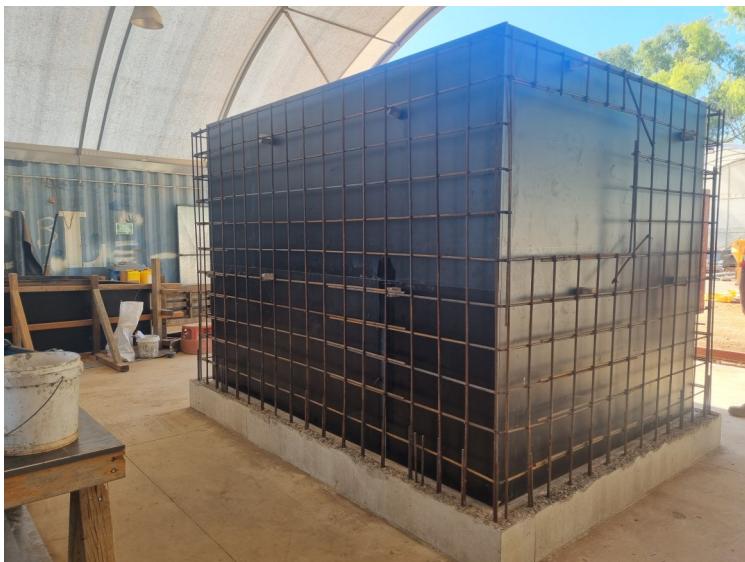
Franna and crawler cranes 20—80 ton

## In Ground Services

Detailed excavations for service trenches, pipe work and open drainage.

Design & install in-situ services and junction pits.

Conduit and piping installation.



## Pre Cast Pit Construction

Design and manufacture pre cast service and junction pits. Installation and custom built on site or in an MCA facility as required using inhouse profile cutting and fabrication services.



## Culverts & Head Walls

Design and installation of In Situ rebated ground slabs. Associated wing & head wall construction

Installation of Pre Cast Culvert's c/w all excavation, ground slab and remediation earth compaction post installation.

## Small Services Poly Welding

Mobile field welding both surface and underground.

Fusion and electrofusion welding available.

Supply of piping, elbows and fittings. Custom made pipe supports.

### Valves and Flanges



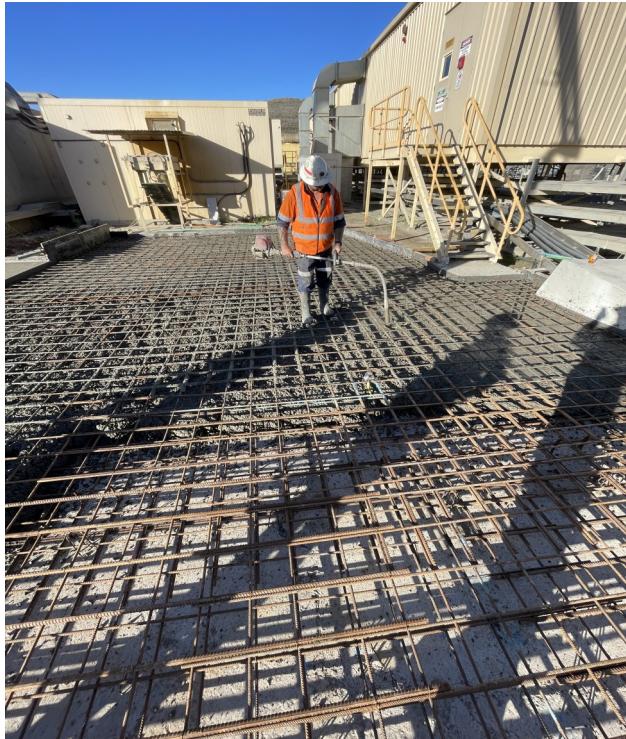
## Structural Steel Erection

MCA's inhouse manufacture and painting facilities .

80T Crawler and Franna cranes c/w experienced operators, dogman and riggers.

MCA utilises in house on site boilermakers and fitters.

EWP's and mobile welders are all supported through MCA's existing fleet.



## Large Poly Welding

Thrust block placement and installation on large poly pipe conveyances.

Large segment / section positioning and welding in situ.

Excavation and trenching c/w foundation / drainage beds.



## Ground Slabs

Installation and supply of reinforcement

Concrete placement and finishing

MCA utilises line and boom concrete pumps.

Concrete cutting and core drilling.



MCA owns and operates its own Polly Weld Machines with hire supply chain in place as required. Trained and ticketed operators

Pressure testing via hydrostatic and or low pressure air as required

Installation in conjunction with MCA Loaders and Excavators.



## Polly Line Valves & Controls

Bulk excavation and trenching.

Welding and fitting of transition components from ductile iron to polymer products.

Large / small valve installation and commissioning.

## Raise Bore Footing

Custom radial formwork installation c/w rebar reinforcement. Purpose built ID forming shells and supporting bracing to Australian standards.

Mass concrete pours utilizing MCA owned and operated pumping equipment.

MCA Manufacture custom profile formwork in house utilising profile cutting and fabrication services.



## Sheet Piling

MCA Cranage barge or shore mounted Supply and installation of Piling sheets vibrated into position.

Temporary / permeant shoring projects as required.



## MCA Fleet and Equipment

*MCA enjoys over 300 pieces of plant, vehicles and equipment to service its customers.*

- SANY Crawler Crane, 80T Lift capacity, 58m boom.
- 5,8 & 16T & Electric Excavators
- Volvo 70, 90 & 120 IT Loaders
- Kenworth T909 Truck and Trailer
- 12T Underground and Surface specked tilt tray trucks
- 12T Underground and Surface flat bed trucks
- Underground and Surface Landcruiser Utes and Troop Carriers
- Bobcats tracked and wheeled
- Franna cranes 20 & 25T
- Numerous Poly welding machines up to 930mm
- Numerous Telehandlers
- Numerous generators and diesel welders
- Concrete line pumps c/w placing boom
- Portable compressors
- Vacuum unit

## Contact Us

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